

2011 Surface Work
On the
Wounded Moose Property

AM 1 to 280	YD28701 to YD29080
Wam 1 to 99	YD128701 to YD128799
Wam 100	YD128800
Wam 101 to 113	YE31501 to YE31513
Wam 114 to 117	YE31514 to YE31517
Wam 118 to 119	YE31518 to YE31519
Wam 120 to 123	YE31520 to YE31523
Wam 124 to 132	YE31524 to YE31532
Wam 133 to 138	YE31533 to YE31538
Wam 139 to 180	YE31539 to YE31580
Wam 181	YD63785
Wam 182 to 191	YE31582 to YE31591

Dawson Mining District, Yukon
NTS Sheet 115O10 & 115O07
63°32'N. Lat., 138°39'W. Long.

Operated by and Recorded to



By
Mark Fekete, P.Geo.
and
Marty Huber, GIT
December 10, 2011

Summary

From June 11, 2011 to September 21, 2011 Taku Gold Corp. completed a surface exploration program on the 471-claim (9750ha) Wounded Moose property located at the headwaters of Wounded Moose Creek, a tributary to the Indian River, some 64km southeast of Dawson City, Yukon. The work included a soil geochemical survey and limited prospecting. The goal of the work was to identify potential gold-bearing structures by outlining geochemical trends.

The Wounded Moose property is held 100% by Taku Gold Corp. under the terms of a purchase agreement with a local prospecting syndicate subject to 2% royalty on mineral production. The Property is located in an isolated part of the Yukon with no local resources or infrastructure. Fuel, supplies and equipment can be trucked in from Dawson City using a network of summer roads.

Previous work on Wounded Moose is limited. The northeast corner of the Property borders some former placer mines. The area has been placer mined since the Klondike Gold Rush.

The Property lies within the Yukon-Tanana Terrane which consists of several successions of complexly deformed Late Proterozoic to Late Permian sedimentary and volcanic rocks episodically intruded by various intrusive rocks in the Permian, Jurassic, Cretaceous, and Tertiary periods. The intrusive events have been accompanied by volcanic activity especially in the Upper Jurassic to Lower Cretaceous. Limited mapping on the Property indicates that it is underlain by Late Paleozoic Orthogneiss.

The Property lies in the underexplored Klondike-White Gold district of the loosely defined Tintina Gold Belt. Taku's exploration effort at Wounded Moose is based on practical survey methods that generate drill targets and have led to discoveries in the area including Underworld's May 2009 discovery of the Saddle and Arc zones approximately 70km south of Wounded Moose. Detailed geochemical surveys and closely spaced, low altitude, helicopter-borne geophysical surveys have been proven to be effective in the area. Due to the deeply weathered nature of the soils in this un-glaciated area, it is very important to take samples from the deeper C-horizon.

A total of 4,496 soil samples including duplicates were collected with hand augers on predetermined GPS traverse lines. The 2,068 preliminary ridge and spur samples were collected at 50m intervals. The 2,428 detailed grid samples were taken at 50m intervals on lines spaced 100m apart.

The soil geochemical results were generally weak except in two areas at the far north end of the Property that were both surveyed by detailed soil grids. One of the areas shows a moderate to strong linear gold trend over a distance of 500m in a northwest to southeast direction. The second area is located approximately 1.5km northwest of the linear anomaly and consists of a number of relatively high grade gold in soil values including 308.0, 745.7 and 566.8ppb Au. The first two values are field duplicates of other samples that returned only low gold values. These are very high grade gold values for soil and deserve to be further investigated. The presence of gravel deposits suggest this area may be covered by a bench similar to the White Channel gravels. This would certainly explain the high grade but erratic gold values obtained in numerous soil samples.

It is recommended that these two gold areas be thoroughly prospected and sampled. A number of areas anomalous with respect to silver, arsenic and antimony were also identified. Furthermore the airborne magnetic and electromagnetic data collected over the Property in 2010 indicates a number of interesting linear structures and circular features. It is recommended that the geochemical and geophysical data be compiled in order to pick out a number of prospecting targets beyond the two gold areas.

It is estimated that five days of compilation and target generation at a cost of \$2,500 followed by five days of prospecting and sampling at a cost of \$12,500 including manpower, food and lodgings, helicopter, assays etc. would be adequate to complete the recommended work at a total cost of \$15,000.

Certificate of Qualifications

I, Mark Fekete, having my place of residence at 178 Dennison Boulevard in Val d'Or in the Province of Quebec do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from the University of British Columbia in 1986, I have been engaged as a Geologist continuously since 1986 and I am a Member in good standing of the Order of Geologists of Quebec (OGQ #553) and the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC #31440), and I am a "qualified person" as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have visited the Wounded Moose property on numerous occasions including most recently in September 2011;
3. I wrote and I am, as the qualified person, responsible for the contents of this technical report entitled "2011 Surface Work on the Wounded Moose Property, Dawson Mining District, Yukon, NTS Sheet 115O10 & 115O07 (Black Hills Creek & Granville), 63°32'N. Lat., 138°39'W. Long.," based on my professional experience, a review of relevant reports and maps made available to me from government and corporate sources and my participation in the work programs described in the report;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I am an Officer and Director, and I beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Wounded Moose property as a result of my prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 10th day of December 2012,

(s) "**Mark Fekete**"

Mark Fekete, P.Geo.

Certificate of Qualifications

I, Marty Huber, having my place of residence at 16 Flax Mill Dr. in Conestogo in the Province of Ontario do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from Acadia University in May 2011, I have been engaged as a Geologist in Training (“GIT”) continuously since May 2011 and I am not a “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have visited the Wounded Moose property on numerous occasions including most recently in June 20, 2011;
3. I co-wrote this technical report entitled “2011 Surface Work on the Wounded Moose Property, Dawson Mining District, Yukon, NTS Sheet 115O10 & 115O07 (Black Hills Creek & Granville), 63°32’N. Lat., 138°39’W. Long.,” under the supervision of Mark Fekete, P.Geo.;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I do not beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Wounded Moose property as a result of my prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 10th day of December 2012,

(s) “Marty Huber”

Marty Huber, GIT.

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1. Introduction and Terms of Reference

Breakaway Exploration Management Inc. (“Breakaway”) was retained by Taku Gold Corp. (“Taku”) to write a technical report (the “Report”) describing the surface exploration work carried out on the Wounded Moose property (“Wounded Moose” or the “Property”) in Yukon in 2011. The Report describes the soil geochemical survey.

The goal of the surface work was to identify areas of anomalous gold-in-soil trends that may be related to the gold bearing structures similar to Kinross’s White Gold deposit located about 60km southeast of the Property.

The Report is based primarily on the results of the work completed on Wounded Moose in 2011 but also contains information obtained from a review of relevant reports and maps cited throughout the Report. The Report was prepared by Geologist in Training Marty Huber (the “Junior Author”) under the supervision of Professional Geologist Mark Fekete (the “Senior Author”). The Senior Author has visited and personally inspected the property on numerous occasions. The Senior Author is the designated “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101. The main purpose of the Report is to complete statutory assessment work filings required under the Yukon Quartz Mining Act. It is not intended to and does not fully comply with National Instrument 43-101. The Report contains specific recommendations and proposes a budget for further work.

The metric system is used for all units of measure mentioned in the Report and all dollar amounts are in Canadian funds unless otherwise stated. All figures presented in the Report are plotted in map projection UTM NAD 83, Zone 7 unless otherwise stated.

2. Reliance on Other Experts

The Authors may have relied on technical data and interpretations found in various sources cited throughout the report. The Authors may not have verified this information and take no responsibility for its accuracy or completeness. Reference to the compliance or non-compliance with NI 43-101 standards of historical information and data referred to in this Report are made where appropriate. The Authors do not offer any opinion concerning legal, title, environmental, political or other non-technical issues that may be relevant to the Report. The Report may contain links to several web-sites. The Authors take no responsibility for the functionality or content of these websites.

3. Location and Property Description

The Property covers an approximate area of 9,750 hectares within the Dawson Mining Division of Yukon. It is located at the headwaters of Wounded Moose Creek, a tributary of The Indian River, some 64km southeast of Dawson City (Figure 1). The approximate center of the Property is described by 63°32’00” North Latitude and 138°39’00” West Longitude on N.T.S. Sheets 115O07(Black Hills Creek) & 115O10 (Granville). The Property includes 471 contiguous, un-surveyed mineral titles (Figure 2) more fully described in Table 1 below.

On August 20, 2010 Taku entered into a purchase and sale agreement with a local prospecting syndicate (the “Vendors”) of Dawson City, Yukon. Under the terms of the agreement, the Company issued 330,000 shares and will make advance royalty payments of \$5,000 from Year 2 to Year 7 (which are deductible against the Net Smelter Return (“NSR”) Royalty). The property is subject to a 2.0% NSR, of which the Company has the option to purchase 1% of the NSR for \$1,000,000.

The mineral claims included in the Property were acquired under the Yukon Quartz Mining Act which grants only the hard rock mineral rights to the claim holder. The surface rights for the area of the Property are held by the Crown. To maintain the claims in good standing, a minimum of \$100 assessment work per claim must be completed annually. There are provisions to apply for more than one year work at a time up to a maximum of five years, to apply work from one claim to other adjoining claims (grouping) up to a maximum of 750 contiguous claims and to pay cash in lieu of work up to a maximum of five years. The

Quartz Mining Land Use Regulations consist of a classification system based on varying levels of specific activities. These threshold levels categorize exploration activities into four classes of operation. Classes 1 through 4 represent activities with increasing potential to cause adverse environmental impacts.

Activities within a Class 1 program are defined as “grassroots” exploration with low potential to cause adverse environmental effects, and where activities and reclamation are completed within a year. A Class 1 program does not require government approval but the operator must comply with the certain operating conditions. An assessment under the Yukon Environmental and Socio Economic Assessment Act (“YESAA”) is not required for a Class 1 program. The work described in this Report was completed as a Class 1 program.

Class 2 programs are considered to represent the upper level of “grassroots” exploration activities. A notification submitted through the Mining Lands Office which outlines the activities and how they will be reclaimed is required. These programs comprise activities that have a moderate potential to cause adverse environmental effects and therefore require an assessment through YESAA. All work and reclamation must be completed within one year.

All Class 3 and Class 4 programs require submission of a detailed “Operating Plan” to the Mining Lands Office. A YESAA assessment is required. The Operating Plan must be approved before any exploration activities can be undertaken. Operating Plans may entail multi-year exploration programs to allow greater flexibility for the operator.

The work described in this Report was completed as a Class 1 Program.

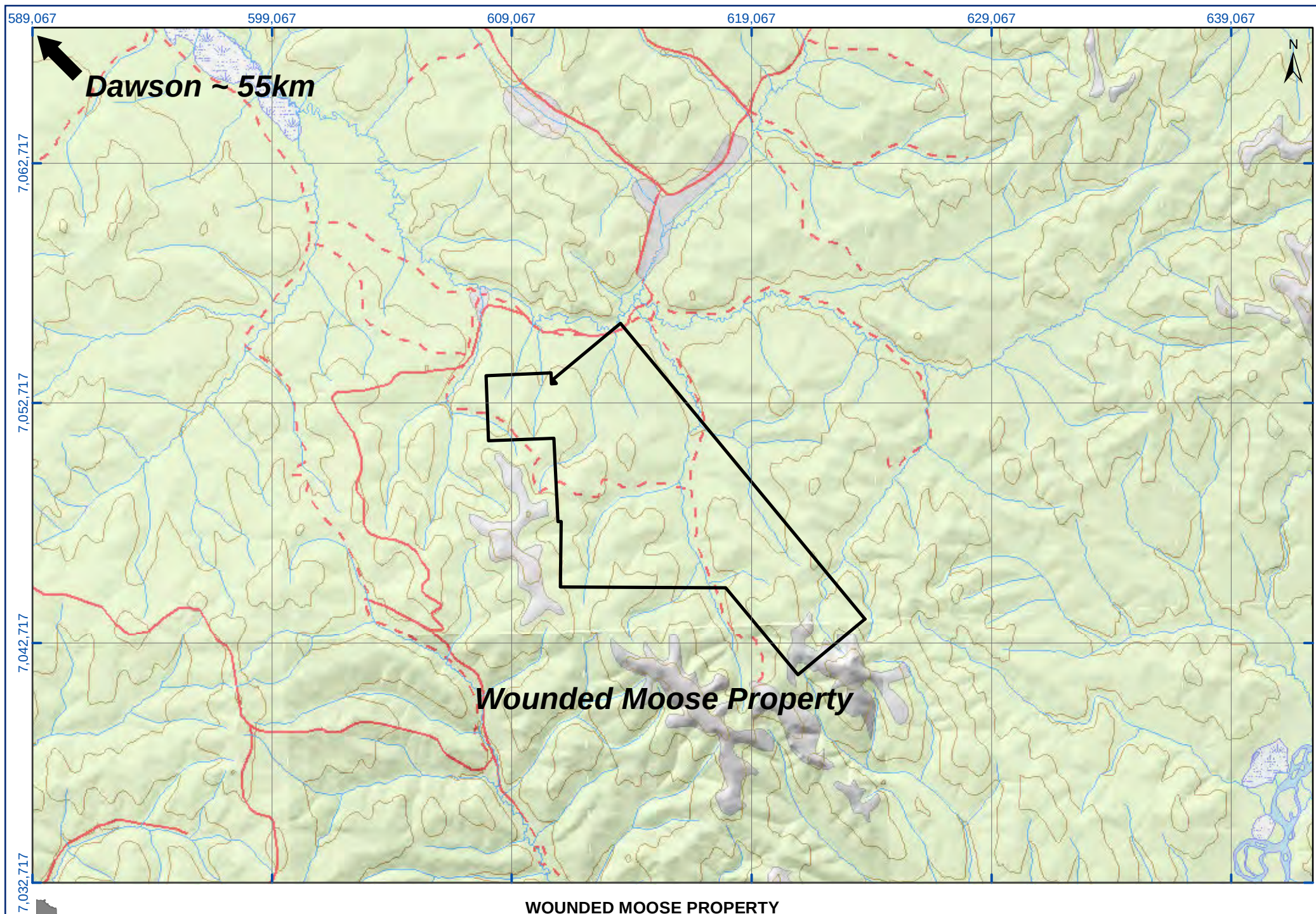
Table 1 – List of Claims

Claim Name No.	Tag No.	Expiry Date	#
AM 1 to 280	YD28701 to YD29080	30-Jan-13	280
Wam 1 to 99	YD128701 to YD128799	15-Mar-12	99
Wam 100	YD128800	11-Mar-12	1
Wam 101 to 113	YE31501 to YE31513	15-Mar-12	13
Wam 114 to 117	YE31514 to YE31517	12-Mar-12	4
Wam 118 to 119	YE31518 to YE31519	15-Mar-12	2
Wam 120 to 123	YE31520 to YE31523	11-Mar-12	4
Wam 124 to 132	YE31524 to YE31532	15-Mar-12	9
Wam 133 to 138	YE31533 to YE31538	11-Mar-12	6
Wam 139 to 180	YE31539 to YE31580	15-Mar-12	42
Wam 181	YD63785	13-Mar-12	1
Wam 182 to 191	YE31582 to YE31591	15-Mar-12	10
Total			471

4. Accessibility, Local Resources, Infrastructure, Physiography and Climate

Access to the northern part of the Property is relatively good in the summer months via a few roads and ATV trails leading in from the Black Hills road. These trails are rough and should not necessarily be relied on. The best means of access to the Property is by helicopter, which can be chartered year round from Dawson City. Taku maintains a summer camp at Dominion Creek that is only a five minute helicopter trip from the Property.

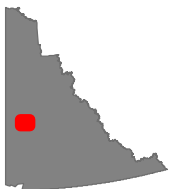
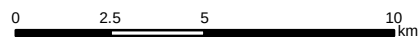
The Wounded Moose property is located in an isolated part of Yukon with relatively few local resources or infrastructure. The Property can be worked from the Dominion camp and can be supported from Dawson City, where services are limited, or from Whitehorse where a full range of services are available including line-cutting, geophysics, drilling, assaying, aircraft charters etc.



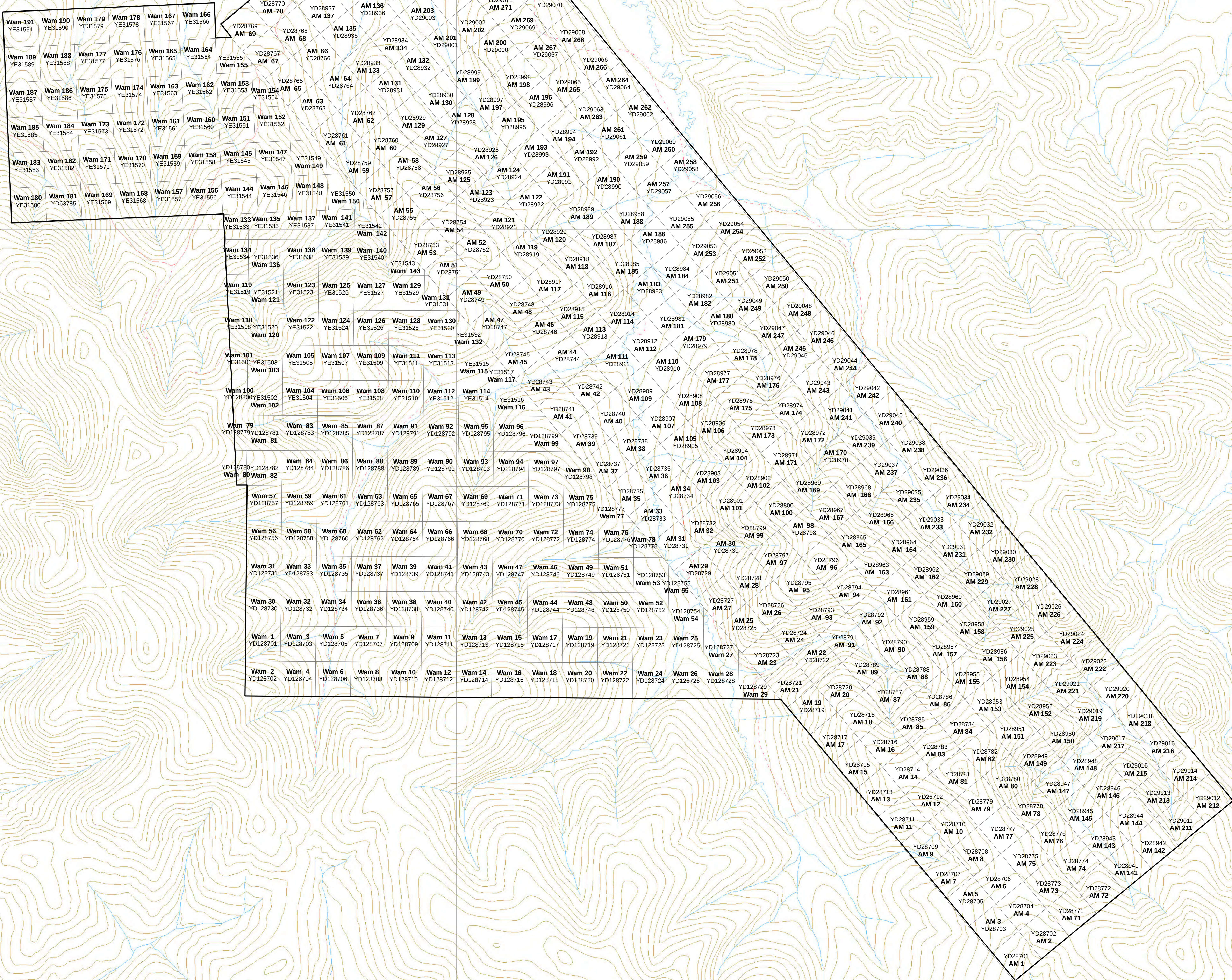
Wounded Moose Property

WOUNDED MOOSE PROPERTY
Figure 1. GENERAL LOCATION

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:200 000

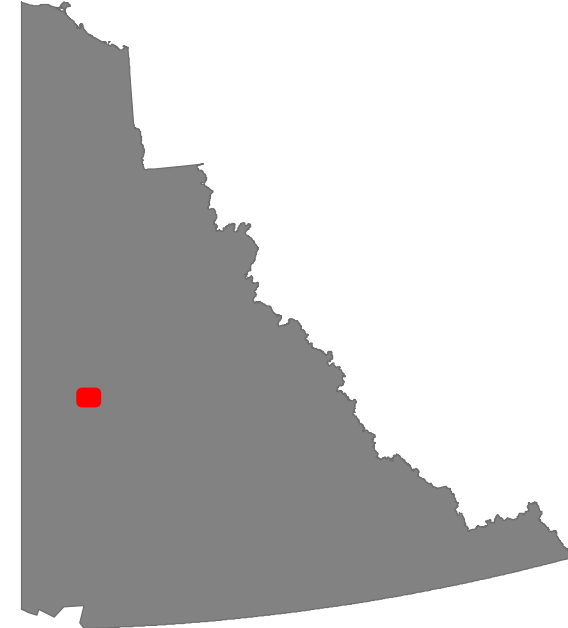
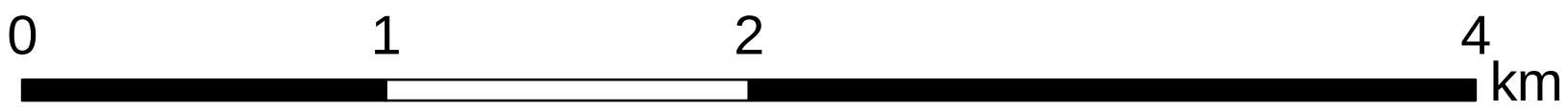


Wounded Moose Property
Figure 1. General Location
Taku Gold Corp.
NTS Sheet: 1150
Date: November 8, 2011

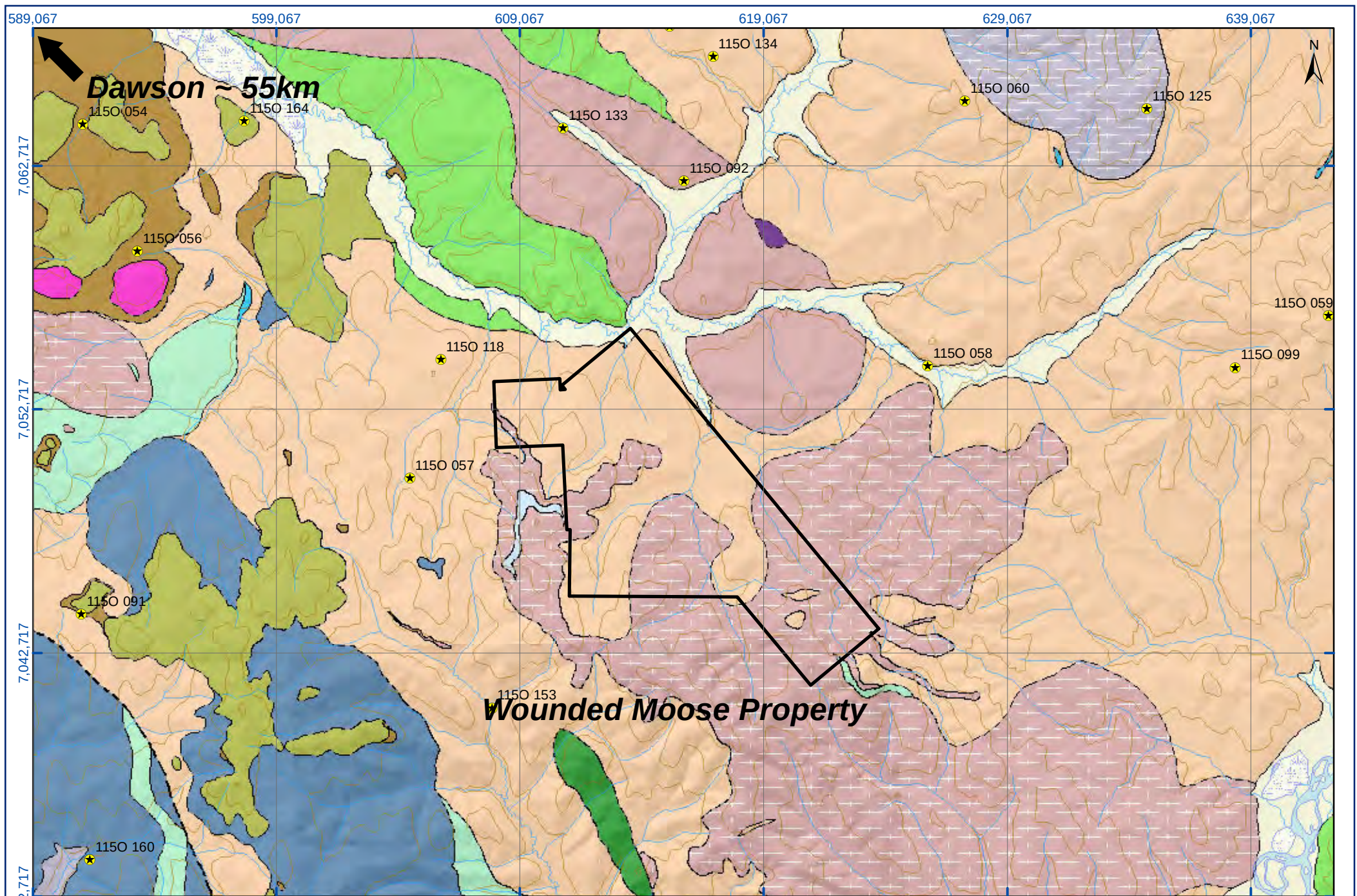


WOUNDED MOOSE PROPERTY
Figure 2. CLAIM MAP

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:20 000



Wounded Moose Property
Figure 2. Claim Map
Taku Gold Corp.
NTS Sheet: 115O/07 - 10
Date: November 4, 2011



★ Mineral Occurance

WOUNDED MOOSE PROPERTY Figure 3. REGIONAL GEOLOGY

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:200 000

0 2.5 5 10
km

Wounded Moose Property
Figure 3. Regional Geology
Taku Gold Corp.
NTS Sheet: 1150
Date: November 8, 2011

QUATERNARY

	Qs Fluvial silt, sand and gravel
	Qb Basalt

TERTIARY

	Ts Conglomerate, sandstone, shale

DEVONIAN TO MISSISSIPPIAN?

	DME Earn group

TERTIARY EOCENE

	Er Porphyry

CRETACEOUS UPPER CRETACEOUS

	uKCv Carmacks Group

MID?-CRETACEOUS

	Kg/Kgd Granite/Granodiorite

LOWER CRETACEOUS

	IKTcg Tantalus(?) Formation

JURASSIC EARLY JURASSIC

	EJgd Granodiorite

TRIASSIC LATE TRIASSIC

	LTrum Pyroxene Mountain Body

PALEOZOIC AND/OR MESOZOIC

	PMd Gabbro

CARBONIFEROUS

	CD Dawson-Clinton Creek Assemblage

MID(?) - TO LATE PALEOZOIC

	mPum/mPums Ultramafic-Gabbro

PERMIAN

	Pv Foliated volcanic
	PKs Klondike Schist
	Pg Jim Creek Pluton
	Pogg, Pogq/Poga Pogt Orthogneiss (Younger, 264-259 Ma)

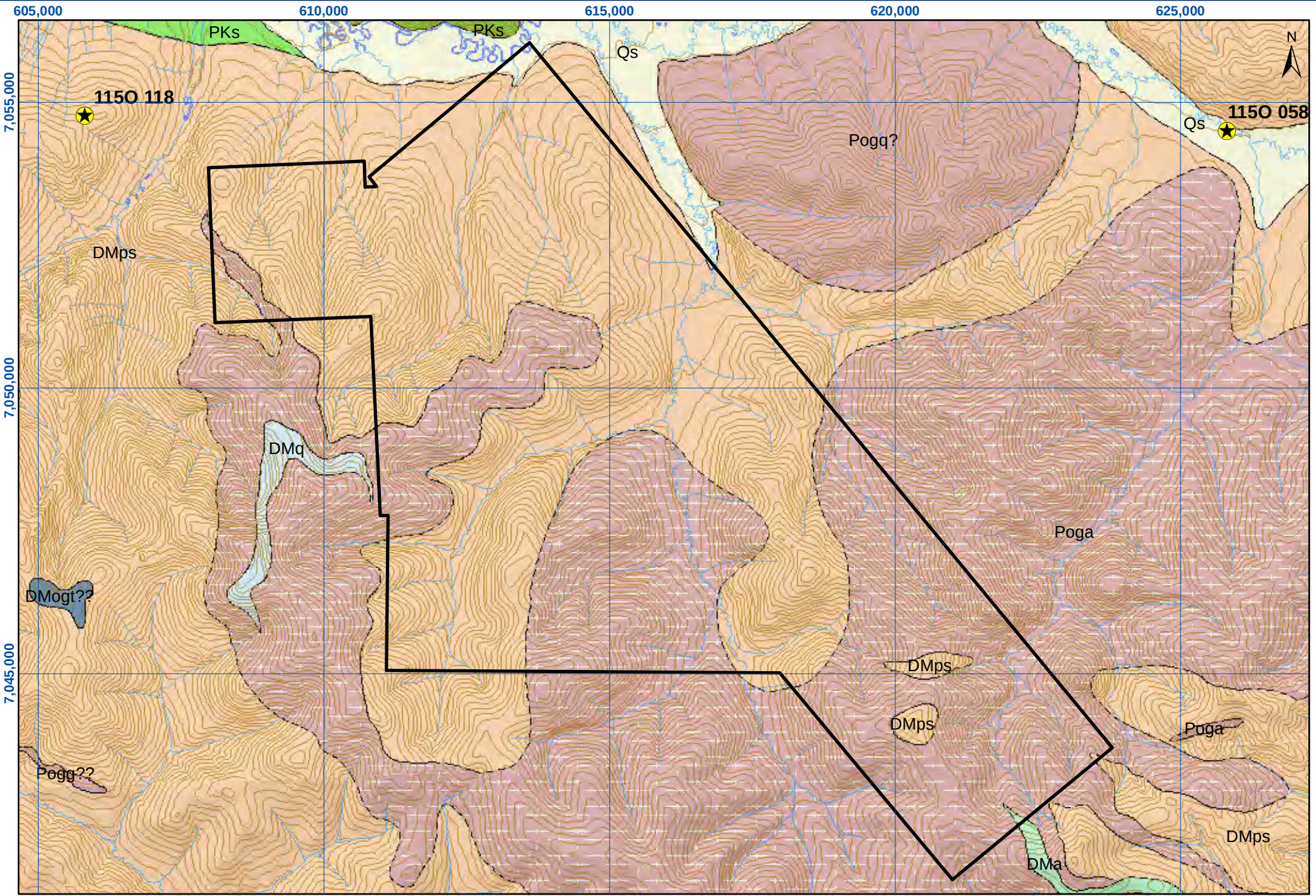
DEVONIAN TO MISSISSIPPIAN

	DMNq/DMNI Nasina Assemblage
	DMogg/DMoga DMogt Orthogneiss (Older, 363-343 Ma)
	DMogta Undivided DMogt (Orthogneiss (older)) and DMA (Amphibolite)
	DMA Amphibolite
	DMm Mafic schist
	DMc Marble
	DMps Quartz-Mica schist
	DMcg Metaconglomerate
	DMq Quartzite

SYMBOLS

	Geological contact (defined, approximate, assumed)
	
	Fault, sense of movement uncertain (defined, approximate, assumed)
	Fault, transcurrent, dextral (approximate)
	Fault, thrust (teeth on upper plate) (defined, approximate, assumed)
	Fault, normal (teeth on upper plate) (defined, approximate, assumed)
	Fault, low-angle normal (teeth on upper plate) (approximate, assumed)

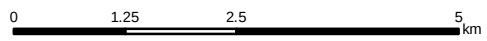
Figure 3 continued. Legend for Regional Geology



★ Mineral Occurance

WOUNDED MOOSE PROPERTY
Figure 4. PROPERTY GEOLOGY

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:85 000



Wounded Moose Property
Figure 4. Property Geology
Taku Gold Corp.
NTS Sheet: 1150/7 - 10
Date: November 1, 2011

The Property covers the headwaters of Wounded Moose Creek in the Dawson Range of Yukon. Unlike most parts of Yukon, the Dawson Range was not affected by the last period of continental glaciations and so it is characterized by low rolling hills incised with steep sided, V-shaped valleys. Bedrock is typically deeply weathered and there is very little (perhaps less than 5%) outcrop exposed; usually on ridges above tree-line or in rare canyons in the creek valleys. Elevations on the Property range from 600m to 1200m above sea level. Most of the Property lies below tree-line and is covered by a typical boreal mixture of pine, spruce, balsam fir, aspen and birch trees, and willow and alder brush. North and west slopes are often covered with thick moss blanketing permafrost.

The Dawson City area is characterized by a semi-arid, sub-arctic continental climate with mild to hot summers and cold winters. Precipitation is generally light in the summer and overall clear skies and warm temperatures prevail. Heavy morning fog can be a problem for aircraft especially towards the end of the summer season. Forest fires are common and thick smoke at times may impede exploration work. Maximum snow accumulations in the winter are typically less than one meter. Due to the northerly latitude of the region, summer days are long and winter days very short. The best season for exploration is during the summer months from mid-May to mid-October. Although it is possible to work during the winter months, costs rise exponentially due to cold temperatures, inclement weather and short daylight hours.

5. Exploration History

There has been very little to no recorded exploration on the Wounded Moose property. In 2010, Taku carried out a 673.3 line kilometer high resolution magnetic and radiometric airborne survey over the eastern portion of the Property on flight lines spaced 100m apart (Poon, 2010).

6. Geology

The Property lies within the Yukon-Tanana Terrane which, due to large areas with little or no bedrock exposure and limited modern regional or detailed mapping, remains very poorly understood. Generally it consists of several successions of layered sedimentary and volcanic rocks ranging from Late Proterozoic to Late Permian age that overlay the older Nisling Terrane. These complexly deformed layered rocks have been episodically intruded by various intrusive rocks in the Permian, Jurassic, Cretaceous and Tertiary periods. The intrusive events have been accompanied by volcanic activity especially in the Upper Jurassic to Lower Cretaceous. The Yukon-Tanana has been subjected to numerous prolonged deformational events including subduction and accretion that has led to significant structural thickening. Imbricated allochthonous terranes such as Slide Mountain Terrane are evidenced by altered ultramafic fragments.

The Property lies within the Klondike gold district of the Stewart River area (Figure 3). The district has been interpreted to be underlain by the Klondike assemblage (Mortensen, 1990, 1996) which is comprised of strongly deformed and altered mafic to felsic metavolcanic rocks and as well as deformed subvolcanic and plutonic equivalents, together with interlayered non-carbonaceous metasediments. This assemblage has been emplaced as a stack of three distinct thrust plates over rocks of the Late Devonian Early Mississippian Nasina assemblage.

The most recent regional mapping and compilation work in the Stewart River area (Ryan and Gordey, 2004) indicates that the Property is underlain entirely by Devonian to Mississippian tonalitic orthogneiss (DMogta). It is described as generally grey, banded to layered banded, commonly veined and interlayered with amphibolite schist or gneiss.

7. Deposit Types

The Property lies within an underexplored part of the loosely defined Tintina Gold Belt. This metallogical province has past production of 29.9 million ounces and 39.3 million ounces of resources for total gold resources of 69.2 million ounces. Notable gold deposits are Donlin Creek, Ft. Knox, Pogo and Brewery Creek. The underexplored nature of the Klondike-White Gold district was highlighted by Underworld's discovery of the Saddle and Arc zones in May 2009 on the White property located 60km south of Wounded Moose, and more recently by the Supremo discovery on Kaminak's Coffee property located approximately 90km south of Wounded Moose.

The Klondike-White Gold district lies within the larger Dawson Range area where a number of known gold and porphyry copper deposits show a wide range of styles, geological settings and geochemical associations. Taku's exploration effort at Wounded Moose is not adhering to any firm deposit model but is instead based on practical survey methods that generate drill targets and have led to discoveries by other groups working in the area.

Detailed geochemical surveys have proven to be effective in the area, as shown by prospector Shawn Ryan's success on the White and Coffee properties. The Dawson Range generally shows deeply weathered, oxidized soils in an unglaciated periglacial environment. This simply means that in order to collect soils that best represent the underlying bedrock it is necessary to take relatively deep soil samples that are likely less weathered and less oxidized. Another useful exploration tool is to fly closely spaced, low altitude, helicopter-borne geophysical surveys to assist in interpreting bedrock units, structure, and alteration.

8. Mineralization

Very little *in situ* mineralization has been identified on Property to date due primarily to the lack of outcrop. A number of quartz veins and quartz breccias have been uncovered with or without disseminated sulphides.

9. 2011 Exploration Work

9.1. Introduction

Exploration work in 2011 included a preliminary soil geochemical survey over most of the Property along ridge and spur lines, and later detailed grid work over the anomalies determined from the ridge and spur sampling. Limited prospecting and sampling was completed as well. Field work was supervised by the Senior Author and commenced on June 11, 2011 and was completed on July 30, 2011 and the analytical work was done by Acme Labs from June 22, 2011 to September 21, 2011. A detailed Statement of Work is included herein as Appendix A. The Junior Author compiled the field data into digital maps and wrote this Report up to December 10, 2011.

9.2. Sampling and Analytical Procedures

The work was done on foot and by helicopter by Breakaway Exploration Management Inc. from Taku's camp on Dominion Creek. A total of 4,496 soil samples including duplicates were collected with hand augers on predetermined GPS traverse lines. The 2,068 ridge and spur samples were collected at 50m intervals. The 2,428 grid samples were taken at 50m intervals on lines spaced 100m apart.

Sample locations were flagged in the field and recorded with HP iPAQ 200 series field computers running GeoInfoMobile and Tierra Mapper software paired with Holux GPS receivers in map datum UTM NAD 83 Zone 7. Sample locations (Figures 5, 6 and 7) and descriptions are included as Appendix B. A data CD is also included. Soil sample material varied from clay to sand with some humus samples. Sample depth varied from 40 to 110cm with an average depth of 60cm.

Soil samples were placed in Kraft-type paper bags with the appropriate sample numbers marked in indelible ink. Batches of samples were subsequently dried, sealed in rice bags and shipped to Acme Analytical Laboratories Ltd. ("Acme") in Vancouver, B.C. for analysis. Samples were dried and sieved to - 80 mesh size and analyzed for 36 elements (including gold) by 15 gram Aqua Regia digestion, ICP-MS finish (Appendix C). Acme is accredited under ISO 9001.

9.3. Data Verification

It is the Authors opinion that the sampling procedures, security measures, sample preparations and analytical methods applied to the soil and rock samples were diligently followed and are adequate to meet industry standards commonly accepted for this level of exploration. The Authors have relied upon the

adequacy and accuracy of the analytical results provided by Acme. Independent verification of those results has not been undertaken. The Authors reconciled the field data with the analytical results and found six discrepancies (samples 104275, 110666, 120145, 145074, 145282 and 145288). It appears as if these samples were not collected in the field and/or not shipped to Acme as no analytical results were received.

9.4. Results

The soil samples returned gold values ranging from below the detection limit (i.e. <5ppb Au) to a maximum of 566.8ppb Au (Sample 119340). Based on Taku's White Gold regional soil database, only seven samples returned highly anomalous gold values (i.e. ≥ 60 ppb Au), 10 returned moderately anomalous numbers (i.e. ≥ 30 ppb Au) and 20 returned weakly anomalous values (i.e. ≥ 20 ppb Au). Two field duplicates returned very high gold values. Sample 129090 (duplicate of 129089) returned 308.0ppb Au and Sample 119340 (duplicate of 119339) returned 745.7ppb Au. A number of areas anomalous with respect to silver, arsenic and antimony were also identified.

10. Adjacent Properties

No gold deposits are known to exist on the properties immediately adjacent to the Property. Significant gold mineralization has been reported approximately 60km southeast of Wounded Moose at Kinross's White Gold deposit with a current resource estimation at the Golden Saddle zone of 1,004,570 indicated ounces at 3.2gpt Au and 407,413 inferred ounces at 2.5gpt Au; and at the Arc Zone of 170,470 inferred ounces at 1.2gpt Au (Underworld Press Release – January 19, 2010). Kaminak's discovery hole of 15.5m over 17.1gpt Au at the Supremo zone (Kaminak Press Release – May 26, 2010) is located approximately 90km south of Wounded Moose.

The Authors have not verified the information made public on these adjacent properties and cautions that **any such information is not necessarily indicative of the mineralization on the Wounded Moose property**. However, this information does indicate that the White Gold district is an underexplored area that has solid potential for hosting significant gold deposits.

11. Mineral Processing and Metallurgical Testing

To date no mineral processing or metallurgical testing has been completed at Wounded Moose.

12. Mineral Resource and Mineral Reserve Estimates

To date no mineral resource or mineral reserve estimates have been completed at Wounded Moose. The Property is at a "grassroots" level of exploration such that it is too early to make any resource or reserve estimates.

13. Other Relevant Data and Information

The Authors are not aware of any other relevant data and information or explanation to make this report more understandable and not misleading.

14. Interpretation of Results and Conclusions

The 2011 Wounded Moose soil geochemical results were generally weak except in two areas at the far north end of the Property that were both surveyed by detailed soil grids. One of the areas shows a moderate to strong linear gold trend over a distance of 500m in a northwest to southeast direction (Figure 8). The second area is located approximately 1.5km northwest of the linear anomaly and consists of a number of relatively high grade gold in soil values including 308.0, 745.7 and 566.8ppb Au. The first two values are field duplicates of other samples that returned only low gold values. However, these are very high grade gold values for soil and that certainly deserve to be further investigated. The Senior Author noted numerous gravel deposits during a cursory walk through this area in September 2011. It lies at least 60m above the Indian River valley but there is the possibility that this area is covered by a bench similar to the White Channel gravels. This would certainly explain the high grade but erratic gold values obtained in numerous soil samples.

15. Recommendations

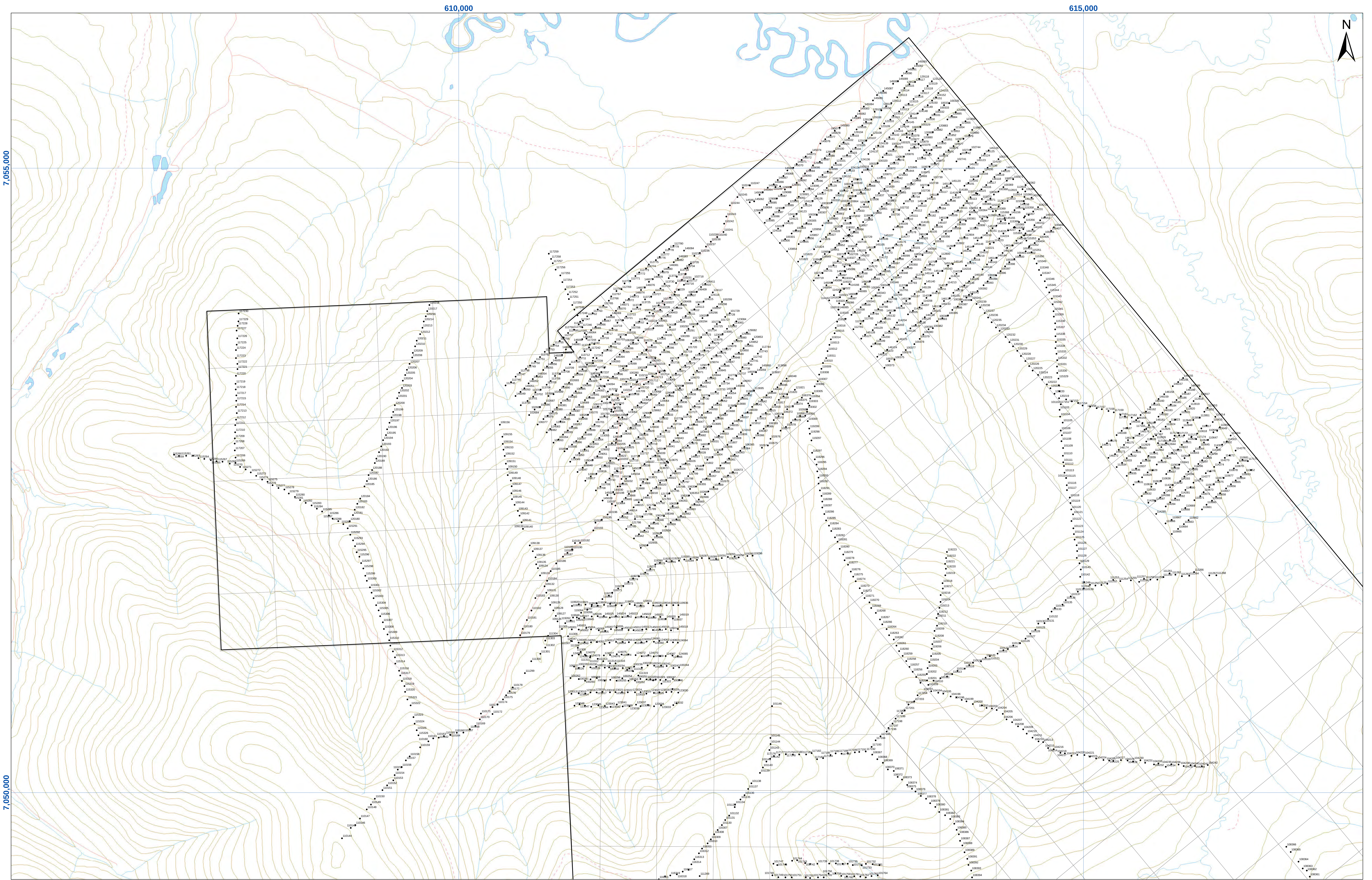
The surface work met its primary goal of outlining geochemical trends that may potentially be gold-bearing structures albeit there are only two zones of interest. It is recommended that these areas, located at the far north end of the Property, be thoroughly prospected and sampled.

The 2011 Wounded Moose soil sampling program was a preliminary effort focused primarily on gold. A number of areas anomalous with respect to silver, arsenic and antimony were also identified. Furthermore the airborne magnetic and electromagnetic data collected over the Property in 2010 indicates a number of interesting linear structures and circular features. It is recommended that the geochemical and geophysical data be compiled in order to pick out a number of prospecting targets beyond the two gold areas.

It is estimated that five days of compilation and target generation at a cost of \$2,500 followed by five days of prospecting and sampling at a cost of \$12,500 including manpower, food and lodgings, helicopter, assays etc. would be adequate to complete the recommended work at a total cost of \$15,000.

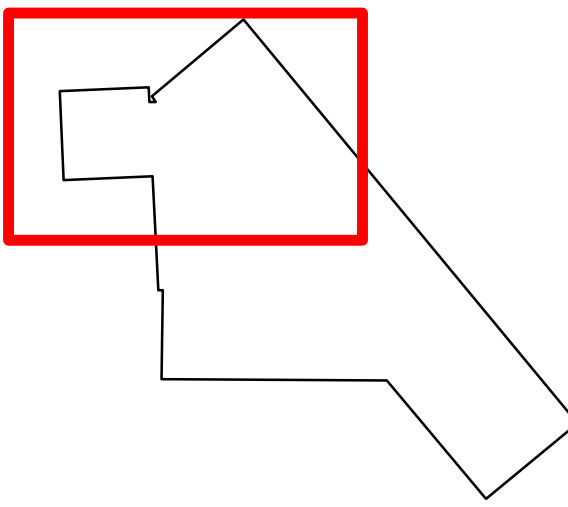
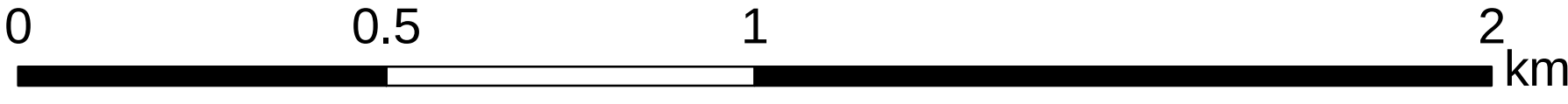
16. References

- Gordey, S.P. and Ryan, J.J. (2005): Geology, Stewart River Area (115 N, 115-O and part of 115 J), Yukon Territory; Geological Survey of Canada, Open File 4970, scale 1:250 000.
- Mortensen, J.K. (1996): Geological compilation maps of the northern Stewart River map area, Klondike and Sixtymile Districts (115N/15, 16; 115O/13, 14; and parts of 115O/15, 16). Exploration and Geological Services Division, Yukon region, Indian and Northern Affairs Canada, Open File 1996-1 (G).
- Poon, J. (2010): Airborne geophysical survey report, Wounded Moose property; Precision Geosurveys Inc. (unpubl.)

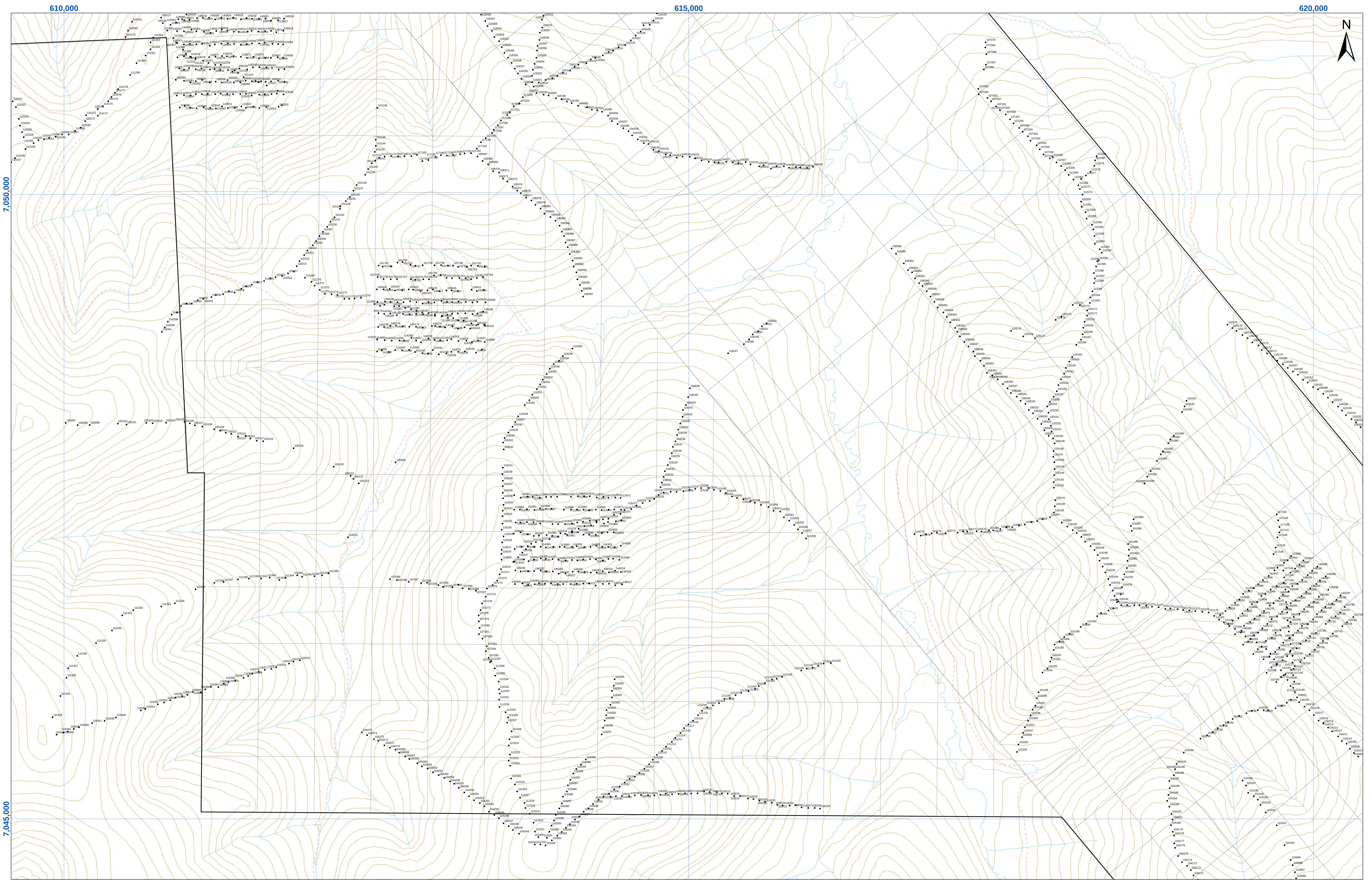


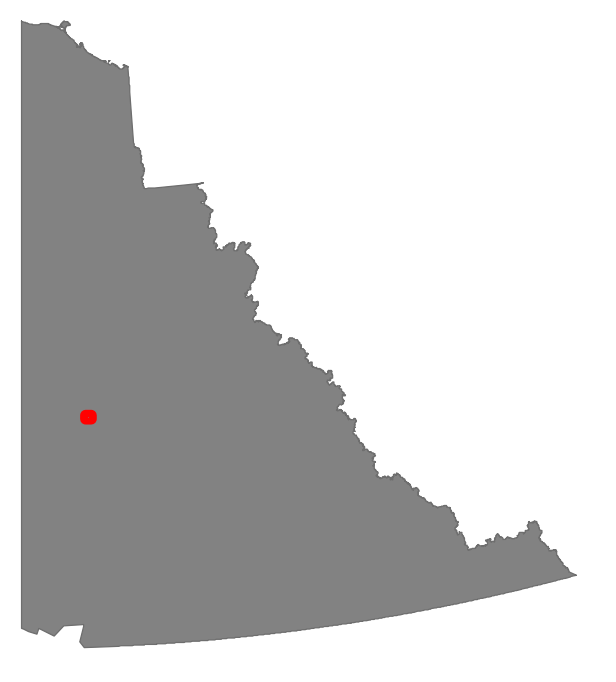
WOUNDED MOOSE PROPERTY
Figure 5. SAMPLE LOCATIONS I

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:9 000



Wounded Moose Property
Figure 5. Sample Locations I
Taku Gold Corp.
NTS Sheet: 115O/07 - 10
Date: November 4, 2011

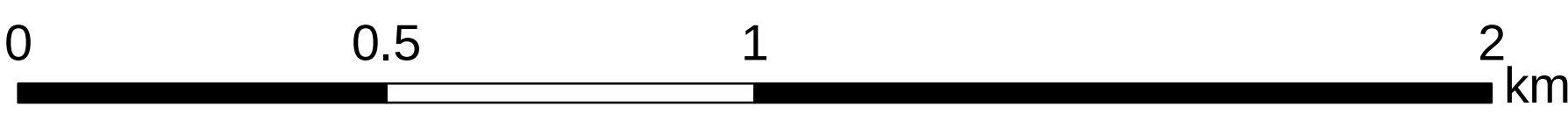


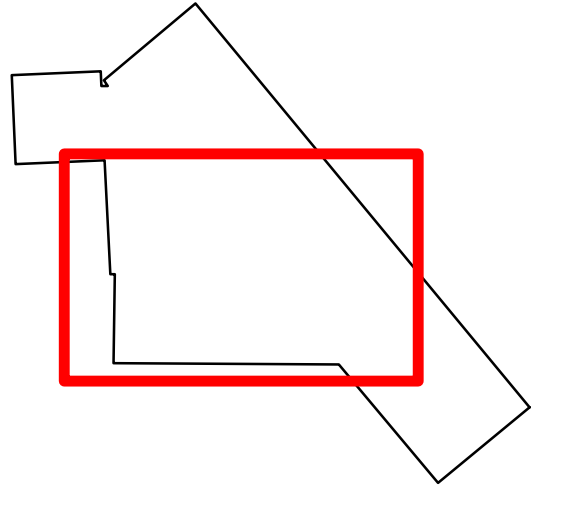


WOUNDED MOOSE PROPERTY

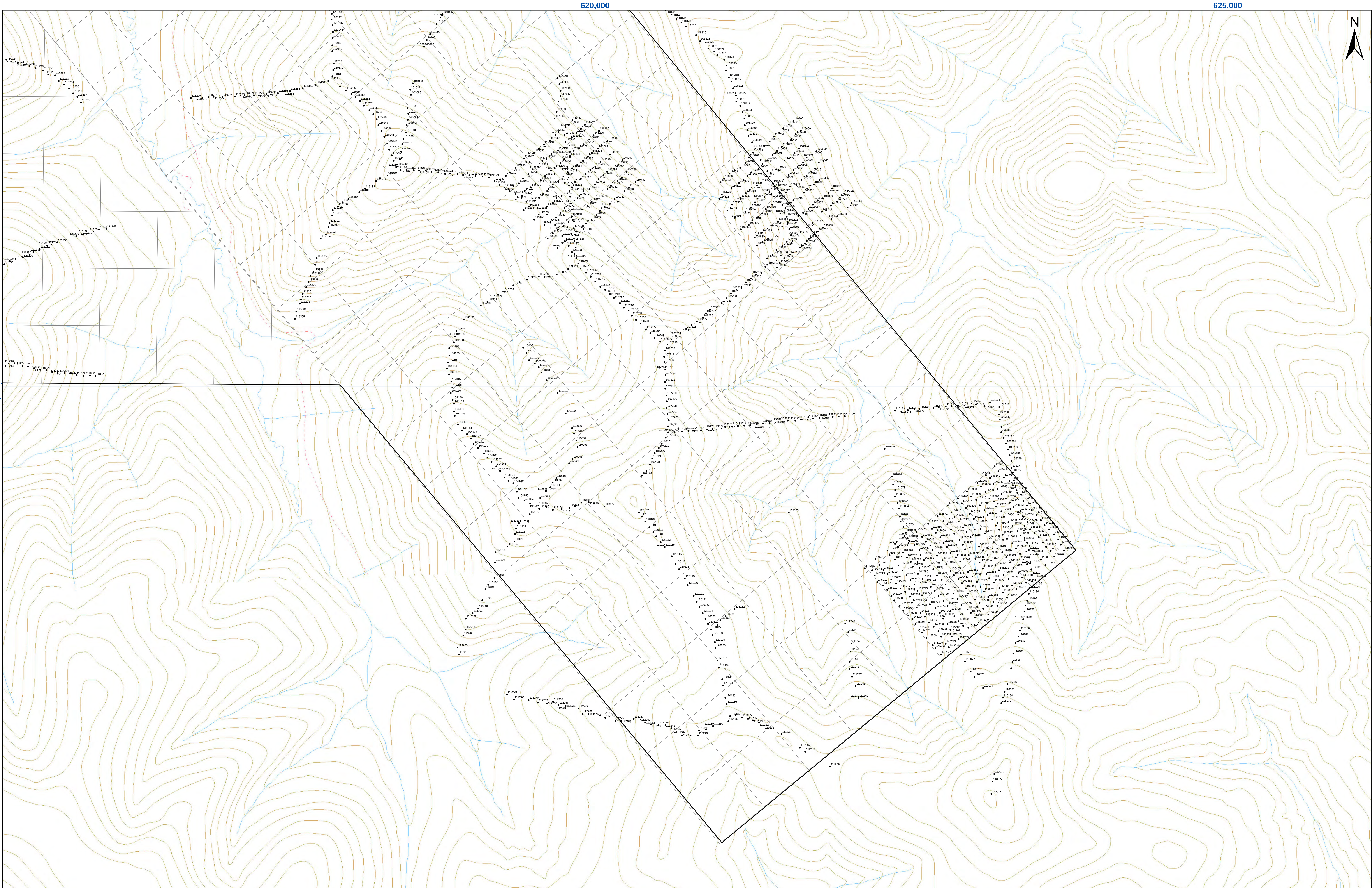
Figure 6. SAMPLE LOCATIONS II

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:9 000



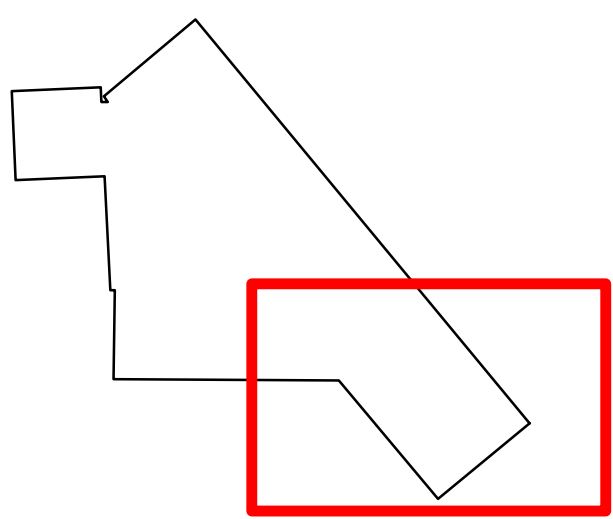
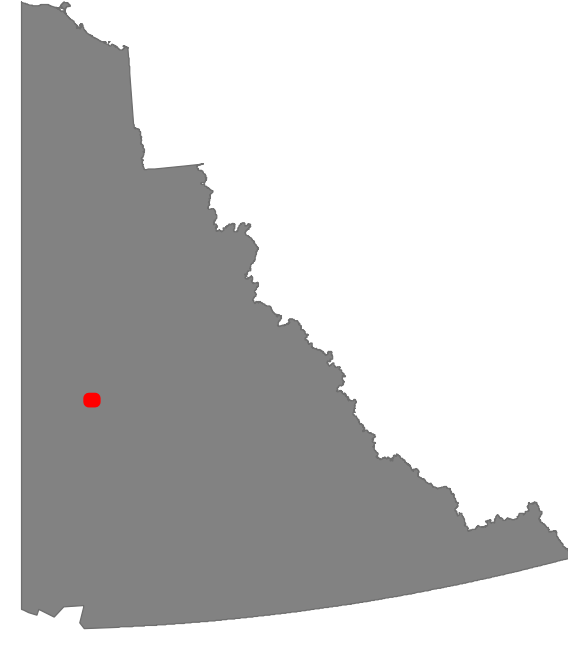
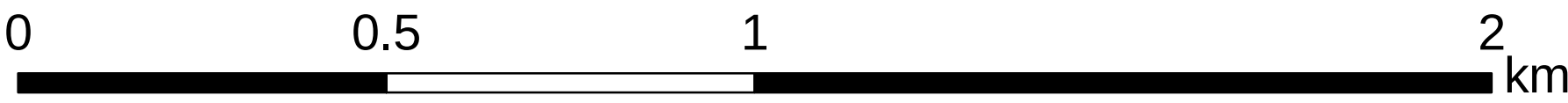


Wounded Moose Property
Figure 6. Sample Locations II
Taku Gold Corp.
NTS Sheet: 115O/07 - 10
Date: November 4, 2011



WOUNDED MOOSE PROPERTY
Figure 7. SAMPLE LOCATIONS III

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:9 000



Wounded Moose Property
Figure 7. Sample Locations III
Taku Gold Corp.
NTS Sheet: 115O/07 - 10
Date: November 4, 2011

603,816

613,816

623,816



7,051,058

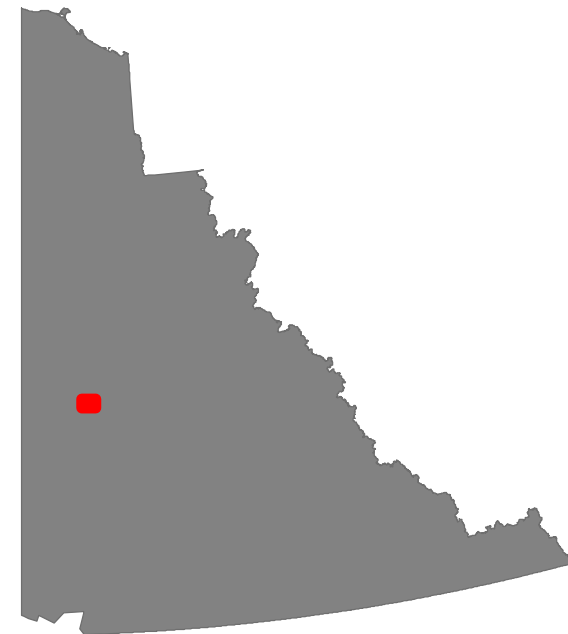
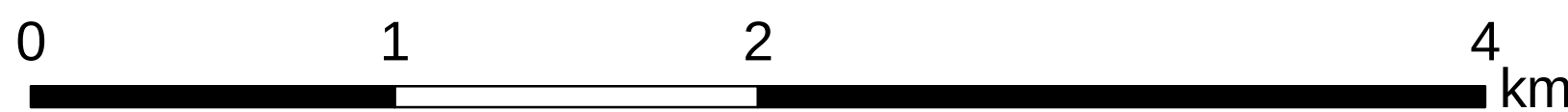
7,041,058

Soil Au ppb

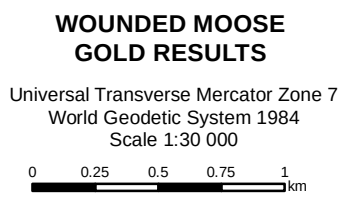
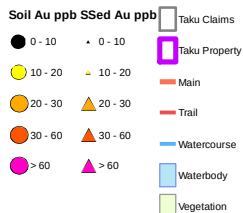
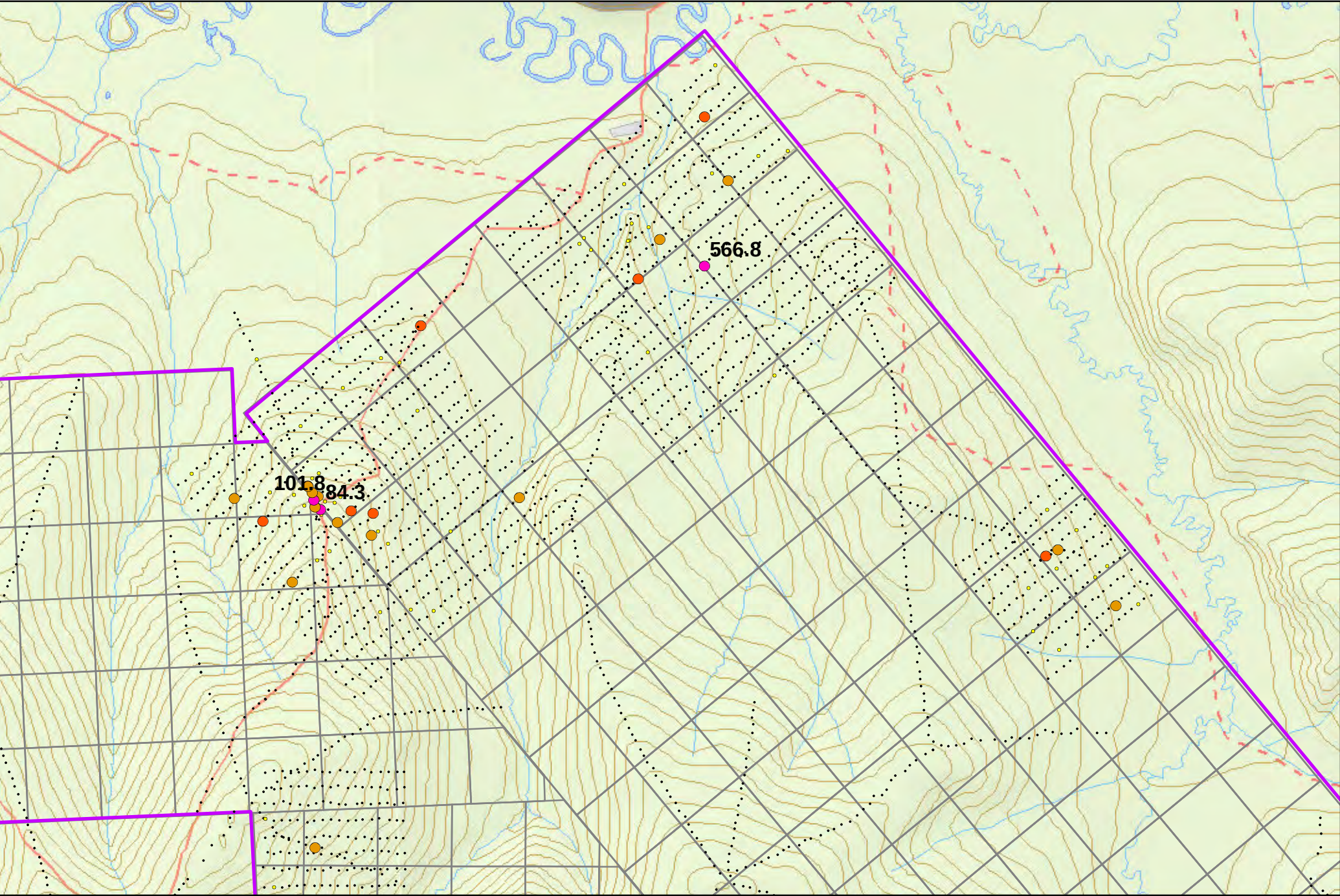
- 0 - 10
- 10 - 20
- 20 - 30
- 30 - 60
- > 60

WOUNDED MOOSE PROPERTY
Figure 8. DETAILED GOLD ANOMOLY MAP

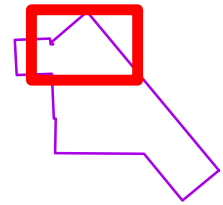
Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:20 000



Wounded Moose Property
Figure 8. Detailed Gold Anomaly Map
Taku Gold Corp.
NTS Sheet: 1150/07 - 10
Date: November 4, 2011



Wounded Moose Gold Results
NTS Sheet: 115O10
Date: September 16, 2011



Appendix A - Statement of Work Expenditures

I, _____,
TAKU GOLD CORP.

of 680 Third Ave., Suite 203 Val d'Or, Quebec J9P 1S5

Phone 819 874 8182

make oath and say that:

Office Date Stamp

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

SEE ATTACHED SCHEDULE

situated at WOUNDED MOOSE Claim sheet No. 1150/07 - 10

in the DAWSON Mining District, to the value of at least 205,296.23 dollars,

since the 11TH day of JUNE 20 11 ,

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

SEE ATTACHED SCHEDULE

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

THE WORK INCLUDED A SOIL GEOCHEMICAL SURVEY OVER THE ENTIRE BLOCK OF 471 CLAIMS. THE

WORK BEGAN JUNE 2ND, 2011 AND CONTINUED UNTILL SEPTEMBER 21TH, 2011. A TOTAL OF 4496

SAMPLES WERE COLLECTED.

Sworn before me at _____ this _____ day of _____ 20 ____ .

Notary Public

Owner or Authorized Agent

Access to Information and Protection of Privacy Act

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

Claim List for Cert of Work 2011 WM

Type	Claim Information				2011 Work Done	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date		Years	Annual Fee	Total
Quartz	YD28701	AM	1	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28702	AM	2	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28703	AM	3	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28704	AM	4	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28705	AM	5	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28706	AM	6	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28707	AM	7	30-Jan-13		3.25	\$ 5.00	\$ 16.25
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Claim List for Cert of Work 2011 WM

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Quartz	YD28768	AM	68	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
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Quartz	YD28910	AM	110	30-Jan-13		3.25	\$ 5.00	\$ 16.25
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Quartz	YD28915	AM	115	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
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Quartz	YD28919	AM	119	30-Jan-13		3.25	\$ 5.00	\$ 16.25
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Quartz	YD28924	AM	124	30-Jan-13		3.25	\$ 5.00	\$ 16.25

Claim List for Cert of Work 2011 WM

Type	Claim Information				2011 Work Done	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date		Years	Annual Fee	Total
Quartz	YD28925	AM	125	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28926	AM	126	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28927	AM	127	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28928	AM	128	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28929	AM	129	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28930	AM	130	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28931	AM	131	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28932	AM	132	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28933	AM	133	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28934	AM	134	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28935	AM	135	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28936	AM	136	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28937	AM	137	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28938	AM	138	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28939	AM	139	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28940	AM	140	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28941	AM	141	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28942	AM	142	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28943	AM	143	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28944	AM	144	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28945	AM	145	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28946	AM	146	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28947	AM	147	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28948	AM	148	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28949	AM	149	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28950	AM	150	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28951	AM	151	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28952	AM	152	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28953	AM	153	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28954	AM	154	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28955	AM	155	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28956	AM	156	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28957	AM	157	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28958	AM	158	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28959	AM	159	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28960	AM	160	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28961	AM	161	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28962	AM	162	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28963	AM	163	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28964	AM	164	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28965	AM	165	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28966	AM	166	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28967	AM	167	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28968	AM	168	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28969	AM	169	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28970	AM	170	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28971	AM	171	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28972	AM	172	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28973	AM	173	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28974	AM	174	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28975	AM	175	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28976	AM	176	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28977	AM	177	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28978	AM	178	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28979	AM	179	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28980	AM	180	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28981	AM	181	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28982	AM	182	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28983	AM	183	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28984	AM	184	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28985	AM	185	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28986	AM	186	30-Jan-13		3.25	\$ 5.00	\$ 16.25

Claim List for Cert of Work 2011 WM

Type	Claim Information				2011 Work Done	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date		Years	Annual Fee	Total
Quartz	YD28987	AM	187	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28988	AM	188	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28989	AM	189	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28990	AM	190	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28991	AM	191	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28992	AM	192	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28993	AM	193	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28994	AM	194	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28995	AM	195	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28996	AM	196	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28997	AM	197	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD28998	AM	198	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD28999	AM	199	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29000	AM	200	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29001	AM	201	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29002	AM	202	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29003	AM	203	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29004	AM	204	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29005	AM	205	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29006	AM	206	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29007	AM	207	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29008	AM	208	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29009	AM	209	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29010	AM	210	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29011	AM	211	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29012	AM	212	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29013	AM	213	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29014	AM	214	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29015	AM	215	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29016	AM	216	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29017	AM	217	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29018	AM	218	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29019	AM	219	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29020	AM	220	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29021	AM	221	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29022	AM	222	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29023	AM	223	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29024	AM	224	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29025	AM	225	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29026	AM	226	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29027	AM	227	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29028	AM	228	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29029	AM	229	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29030	AM	230	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29031	AM	231	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29032	AM	232	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29033	AM	233	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29034	AM	234	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29035	AM	235	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29036	AM	236	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29037	AM	237	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29038	AM	238	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29039	AM	239	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29040	AM	240	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29041	AM	241	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29042	AM	242	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29043	AM	243	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29044	AM	244	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29045	AM	245	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29046	AM	246	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29047	AM	247	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29048	AM	248	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25

Claim List for Cert of Work 2011 WM

Type	Claim Information				2011 Work Done	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date		Years	Annual Fee	Total
Quartz	YD29049	AM	249	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29050	AM	250	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29051	AM	251	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29052	AM	252	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29053	AM	253	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29054	AM	254	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29055	AM	255	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29056	AM	256	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29057	AM	257	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29058	AM	258	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29059	AM	259	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29060	AM	260	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29061	AM	261	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29062	AM	262	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29063	AM	263	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29064	AM	264	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29065	AM	265	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29066	AM	266	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29067	AM	267	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29068	AM	268	30-Jan-13		3.25	\$ 5.00	\$ 16.25
Quartz	YD29069	AM	269	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29070	AM	270	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29071	AM	271	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29072	AM	272	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29073	AM	273	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29074	AM	274	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29075	AM	275	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29076	AM	276	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29077	AM	277	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29078	AM	278	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29079	AM	279	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD29080	AM	280	30-Jan-13	\$ 763.18	3.25	\$ 5.00	\$ 16.25
Quartz	YD128701	Wam	1	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128702	Wam	2	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128703	Wam	3	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128704	Wam	4	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128705	Wam	5	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128706	Wam	6	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128707	Wam	7	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128708	Wam	8	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128709	Wam	9	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128710	Wam	10	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128711	Wam	11	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128712	Wam	12	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128713	Wam	13	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128714	Wam	14	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128715	Wam	15	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128716	Wam	16	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128717	Wam	17	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128718	Wam	18	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128719	Wam	19	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128720	Wam	20	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128721	Wam	21	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128722	Wam	22	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128723	Wam	23	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128724	Wam	24	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128725	Wam	25	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128726	Wam	26	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128727	Wam	27	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128728	Wam	28	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128729	Wam	29	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128730	Wam	30	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00

Claim List for Cert of Work 2011 WM

Type	Claim Information				2011 Work Done	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date		Years	Annual Fee	Total
Quartz	YD128731	Wam	31	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128732	Wam	32	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128733	Wam	33	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128734	Wam	34	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128735	Wam	35	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128736	Wam	36	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128737	Wam	37	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128738	Wam	38	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128739	Wam	39	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128740	Wam	40	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128741	Wam	41	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128742	Wam	42	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128743	Wam	43	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128744	Wam	44	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128745	Wam	45	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128746	Wam	46	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128747	Wam	47	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128748	Wam	48	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128749	Wam	49	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128750	Wam	50	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128751	Wam	51	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128752	Wam	52	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128753	Wam	53	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128754	Wam	54	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128755	Wam	55	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128756	Wam	56	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128757	Wam	57	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128758	Wam	58	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128759	Wam	59	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128760	Wam	60	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128761	Wam	61	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128762	Wam	62	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128763	Wam	63	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128764	Wam	64	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128765	Wam	65	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128766	Wam	66	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128767	Wam	67	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128768	Wam	68	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128769	Wam	69	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128770	Wam	70	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128771	Wam	71	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128772	Wam	72	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128773	Wam	73	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128774	Wam	74	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128775	Wam	75	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128776	Wam	76	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128777	Wam	77	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128778	Wam	78	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128779	Wam	79	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128780	Wam	80	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128781	Wam	81	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128782	Wam	82	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128783	Wam	83	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128784	Wam	84	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128785	Wam	85	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128786	Wam	86	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128787	Wam	87	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128788	Wam	88	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128789	Wam	89	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128790	Wam	90	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128791	Wam	91	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128792	Wam	92	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00

Claim List for Cert of Work 2011 WM

Type	Claim Information				2011 Work Done	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date		Years	Annual Fee	Total
Quartz	YD128793	Wam	93	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128794	Wam	94	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128795	Wam	95	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128796	Wam	96	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128797	Wam	97	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128798	Wam	98	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YD128799	Wam	99	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YD128800	Wam	100	11-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31501	Wam	101	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31502	Wam	102	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31503	Wam	103	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31504	Wam	104	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31505	Wam	105	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31506	Wam	106	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31507	Wam	107	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31508	Wam	108	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31509	Wam	109	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31510	Wam	110	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31511	Wam	111	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31512	Wam	112	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31513	Wam	113	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31514	Wam	114	12-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31515	Wam	115	12-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31516	Wam	116	12-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31517	Wam	117	12-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31518	Wam	118	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31519	Wam	119	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31520	Wam	120	11-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31521	Wam	121	11-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31522	Wam	122	11-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31523	Wam	123	11-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31524	Wam	124	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31525	Wam	125	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31526	Wam	126	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31527	Wam	127	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31528	Wam	128	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31529	Wam	129	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31530	Wam	130	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31531	Wam	131	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31532	Wam	132	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31533	Wam	133	11-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31534	Wam	134	11-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31535	Wam	135	11-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31536	Wam	136	11-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31537	Wam	137	11-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31538	Wam	138	11-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31539	Wam	139	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31540	Wam	140	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31541	Wam	141	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31542	Wam	142	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31543	Wam	143	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31544	Wam	144	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31545	Wam	145	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31546	Wam	146	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31547	Wam	147	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31548	Wam	148	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31549	Wam	149	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31550	Wam	150	15-Mar-12		3	\$ 5.00	\$ 15.00
Quartz	YE31551	Wam	151	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31552	Wam	152	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31553	Wam	153	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31554	Wam	154	15-Mar-12	\$ 763.18	3	\$ 5.00	\$ 15.00

Claim List for Cert of Work 2011 WM

Claim Information							Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	2011 Work	Done	Years	Annual Fee	Total
Quartz	YE31555	Wam	155	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31556	Wam	156	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31557	Wam	157	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31558	Wam	158	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31559	Wam	159	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31560	Wam	160	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31561	Wam	161	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31562	Wam	162	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31563	Wam	163	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31564	Wam	164	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31565	Wam	165	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31566	Wam	166	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31567	Wam	167	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31568	Wam	168	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31569	Wam	169	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31570	Wam	170	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31571	Wam	171	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31572	Wam	172	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31573	Wam	173	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31574	Wam	174	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31575	Wam	175	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31576	Wam	176	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31577	Wam	177	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31578	Wam	178	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31579	Wam	179	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31580	Wam	180	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YD63785	Wam	181	13-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31582	Wam	182	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31583	Wam	183	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31584	Wam	184	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31585	Wam	185	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31586	Wam	186	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31587	Wam	187	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31588	Wam	188	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31589	Wam	189	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
Quartz	YE31590	Wam	190	15-Mar-12			3	\$ 5.00	\$ 15.00
Quartz	YE31591	Wam	191	15-Mar-12	\$	763.18	3	\$ 5.00	\$ 15.00
			Column Total		\$	205,296.23	Total Renewal Fees		\$ 7,415.00
			From Statement of Costs		\$	205,296.23			
				Check	\$	(0.00)			
		Work done on this number of claims				269			
			Work done per claim		\$	763.18			
			Total Claims to renew			471			
PLEASE COMMON DATE ALL CLAIMS TO MARCH 15, 2015									
PLEASE GROUP ALL THE ABOVE CLAIMS									

Wounded Moose 2011 Expenses

Supplier	Invoice	Date	Geochem								Total
			Labour Contract	Food & Lodgings	Supplies	Transport	Rental	Maps	Assays	Other	
Name	Ref No.	Date	5150	5151	5152	5153	5154	5155	5156	5157	Total
1984 Enterprises	2010-1092	13-Jun-11	1035.87								1,035.87
1984 Enterprises	2010-1112	20-Jun-11	1051.09								1,051.09
1984 Enterprises	2010-1143	27-Jun-11	945.71								945.71
1984 Enterprises	2010-1174	4-Jul-11	1084.00								1,084.00
1984 Enterprises	2010-1177	14-Jul-11	1628.90								1,628.90
Acklands Grainger	6081 0372470	25-Jul-11			29.19						29.19
Acme	VANI086196	4-Jul-11							2513.70		2,513.70
Acme	VANI086197	4-Jul-11							5472.00		5,472.00
Acme	VANI086198	4-Jul-11							5472.00		5,472.00
Acme	VANI086199	4-Jul-11							5472.00		5,472.00
Acme	VANI086371	5-Jul-11							5472.00		5,472.00
Acme	VANI086505	6-Jul-11							5472.00		5,472.00
Acme	VANI086678	8-Jul-11							5472.00		5,472.00
Acme	VANI095133	13-Sep-11							5,301.00		5,301.00
Acme	VANI095135	13-Sep-11							5,420.70		5,420.70
Acme	VANI094134	13-Sep-11							5,454.90		5,454.90
Acme	VANI095583	15-Sep-11							5,420.70		5,420.70
Acme	VANI095950	19-Sep-11							5,454.90		5,454.90
Acme	VANI096093	20-Sep-11							5,318.10		5,318.10
Acme	VANI096643	23-Sep-11							5,437.80		5,437.80
Acme	VANI096947	26-Sep-11							3,659.40		3,659.40
AFD	IN016797	31-May-11				11.44					11.44
AFD	IN016635	31-May-11				98.59					98.59
AFD	IN20510	16-Jul-11				15.97					15.97
AFD	IN020509	16-Jul-11				92.92					92.92
AFD	YT18327-2861	22-Jul-11				539.60					539.60
AFD	IN21563	31-Jul-11				3.90					3.90
AFD	IN21562	31-Jul-11				198.63					198.63
AFD	YT2087-4735	2-Aug-11				209.07					209.07
AFD	IN022782	15-Aug-11			88.43						88.43
AFD	YT21913-4357	23-Aug-11			609.33						609.33
AFD	IN024164	31-Aug-11				22.98					22.98
AFD	IN024163	31-Aug-11				322.73					322.73
Arctic Inland	2082246	10-Aug-11			1.53						1.53
Arctic Inland	2082889	31-Aug-11			16.16						16.16
Arctic Inland	Stmt 09/01/11	1-Sep-11			18.58						18.58
Bonanaza Market	Stmt 16/09/2011	16-Sep-11		90.38							90.38
Bonanza Gold Mote	2011-040	17-May-11		249.38							249.38
Bonanza Gold Mote	2011-048	27-May-11		191.83							191.83
Bonanza Gold Mote	2011058	12-Jun-11		134.28							134.28
Bonanza Gold Mote	2011081	1-Jul-11		191.83							191.83
Bonanza Gold Mote	2011-094	27-Jul-11		191.83							191.83
Bonanza Market	14140	1-Jun-11		156.01							156.01
Bonanza Market	14160	1-Jun-11		835.76							835.76
Bonanza Market	14208	2-Jun-11		18.77							18.77
Bonanza Market	14240	3-Jun-11		3.19							3.19
Bonanza Market	14284	4-Jun-11		50.00							50.00
Bonanza Market	14340	5-Jun-11		41.28							41.28
Bonanza Market	14501	9-Jun-11		946.45							946.45
Bonanza Market	14532	10-Jun-11		2.36							2.36
Bonanza Market	14517	10-Jun-11		7.02							7.02
Bonanza Market	14693	10-Jun-11		15.74							15.74
Bonanza Market	16/06/2011	16-Jun-11		2149.95							2,149.95
Bonanza Market	01/07/2011	1-Jul-11		1747.17							1,747.17
Bonanza Market	Stmt 19-Jul-11	19-Jul-11		1083.41							1,083.41
Bonanza Market	Stmt 01/08/2011	1-Aug-11		1,135.14							1,135.14
Bonanza Market	Stmt 16/08/2011	16-Aug-11		662.88							662.88
Bonanza Market	Stmt 01/09/2011	1-Sep-11		933.16							933.16
BXM	680	23-Jun-11	30030.00			1200.00	5134.50				36,364.50
BXM	698	20-Sep-11					57.25				57.25
BXM	698	20-Sep-11			537.89						537.89
BXM	698	20-Sep-11		1,394.98							1,394.98
BXM	698	20-Sep-11				3,959.24					3,959.24
BXM	698	20-Sep-11	5941.53								5,941.53
BXM	728	31-Oct-11	1275.00	150.00							1,425.00
Dawson Hardware	31/05/2011	31-May-11			590.40						590.40
Dawson Hardware	Stmt 31/07/2011	31-Jul-11			111.41						111.41
Dawson Hardware	Stmt 31/08/2011	31-Aug-11			203.11						203.11
EIS	0000119840	8-Aug-11					332.50				332.50
Greg Davison		30-May-11		410.54	240.39	1,368.90				57.32	2,077.15
Greg Davison		30-Jun-11		42.24	122.32	3,030.92				38.37	3,233.85
Heli Dynamics	11887	24-Aug-11				986.57					986.57

Wounded Moose 2011 Expenses

Supplier	Invoice	Date	Geochem								Total
			Labour Contract	Food & Lodgings	Supplies	Transport	Rental	Maps	Assays	Other	
Name	Ref No.	Date	5150	5151	5152	5153	5154	5155	5156	5157	Total
Heli Dynamics	11897	31-Aug-11				426.62					426.62
Heli-Dynamics	10112	9-Jun-11				4500.00					4,500.00
Heli-Dynamics	10113	10-Jun-11				2700.00					2,700.00
Heli-Dynamics	10114	11-Jun-11				945.00					945.00
Heli-Dynamics	10115	12-Jun-11				3510.00					3,510.00
Heli-Dynamics	10116	13-Jun-11				3510.00					3,510.00
Heli-Dynamics	10117	14-Jun-11				2835.00					2,835.00
Heli-Dynamics	10118	15-Jun-11				2160.00					2,160.00
Heli-Dynamics	10119	16-Jun-11				2430.00					2,430.00
Heli-Dynamics	Fuel-1000	6-Jul-11				2131.54					2,131.54
Heli-Dynamics	11749	21-Jul-11				1248.00					1,248.00
Heli-Dynamics	11750	22-Jul-11				1248.00					1,248.00
Heli-Dynamics	10485	22-Jul-11				4,795.50					4,795.50
Heli-Dynamics	10487	23-Jul-11				2,293.50					2,293.50
Heli-Dynamics	11751	23-Jul-11				3588.00					3,588.00
Heli-Dynamics	10490	24-Jul-11				834.00					834.00
Heli-Dynamics	10491	25-Jul-11				834.00					834.00
Heli-Dynamics	10493	26-Jul-11				1,668.00					1,668.00
Heli-Dynamics	10494	27-Jul-11				1,668.00					1,668.00
Heli-Dynamics	10498	28-Jul-11				1,876.50					1,876.50
Heli-Dynamics	10496	29-Jul-11				1,459.50					1,459.50
Heli-Dynamics	10497	30-Jul-11				1,459.50					1,459.50
Jacobs Industries	68657	5-May-11					60.09				60.09
Kluane Freight Lines	155087	8-Jul-11				4.26					4.26
Kluane Freight Lines	156242	28-Jul-11				17.31					17.31
NIS	S014895	16-May-11			29.58						29.58
NIS	S015400	17-May-11			15.49						15.49
NIS	S016186	18-May-11			19.43						19.43
NIS	SC00631	21-May-11			-1.51						-1.51
NIS	S017428	21-May-11			26.10						26.10
NIS	S018030	24-May-11			1.15						1.15
NIS	S018037	24-May-11			15.31						15.31
NIS	S018782	26-May-11			5.15						5.15
NIS	S020437	30-May-11			177.08						177.08
NIS	S022356	2-Jun-11			18.85						18.85
NIS	S023163	3-Jun-11			79.81						79.81
NIS	S027339	14-Jun-11			2.08						2.08
NIS	SC00850	29-Jul-11			-68.78						-68.78
NIS	S046586	29-Jul-11			33.70						33.70
NIS	S046586	29-Jul-11			33.70						33.70
NIS	S047506	2-Aug-11			0.84						0.84
NIS	S047506	2-Aug-11			0.84						0.84
NIS	S048765	4-Aug-11			2.97						2.97
NIS	SC01903	6-Aug-11		-	2.97						-2.97
NIS	S049659	6-Aug-11			3.48						3.48
NIS	S058394	26-Aug-11			2.55						2.55
Pacesetter Petroleum	2011053110X	31-May-11				297.59					297.59
Pacesetter Petroleum	2011061401	14-Jun-11				1977.36					1,977.36
Pacesetter Petroleum	2011062107C	21-Jun-11				(15.35)					-15.35
Pacesetter Petroleum	11070802C	8-Jul-11				(236.59)					-236.59
Peacock Sales	IN74803	7-Jul-11			23.15						23.15
Peacock Sales	IN075301	29-Aug-11			28.77						28.77
Small's Exp.	K6982	31-Jul-11					9.59				9.59
Small's Exp.	K6945	31-Jul-11	38.37								38.37
Small's Exp.	K6964	31-Jul-11	53.71								53.71
Small's Exp.	K7045	1-Aug-11					44.76				44.76
Small's Exp.	K7276	24-Aug-11					79.30				79.30
Super Save Propane	1216423A	13-May-11		33.30							33.30
Super Save Propane	1216423	13-May-11		325.52							325.52
Super Save Propane	1216424	13-May-11		350.50							350.50
Super Save Propane	13130	14-May-11		437.10							437.10
Super Save Propane	1217296	26-Jul-11			261.18						261.18
Total North	11-1713	29-Aug-11					54.99				54.99
XplorNet	I-5212677	1-Aug-11					22.38				22.38
XplorNet	I-5212679	1-Aug-11					22.38				22.38
			43,084.18	13,982.01	3,276.71	62,226.70	5,817.75	0.00	76,813.20	95.68	205,296.23

QUARTZ MINING ACT FORM 12 SECTION 55
APPLICATION TO GROUP MINERAL CLAIMS

DAWSON

MINING DISTRICT

Office Date Stamp

I, (We) the undersigned owners or agent(s) of the owners of following mineral claims.

(Additional sheets or an appendix may be used) (Claim names and grant numbers to be listed in sequence eg. TOM 1-40, YC10001 - YC10040)

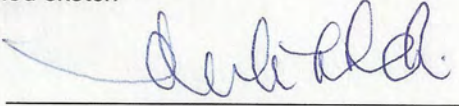
GRANT NUMBER	CLAIM NAME	MAP SHEET
SEE ATTACHED	SCHEDULE	

Give notice of intention to group the said claims for the performance of work and do hereby apply under the provisions of section 55 of the Quartz Mining Act for a certificate in form 6.

I (We) hereby certify that the above claims are adjoining as shown on the attached sketch

Dated at VAL D'OR, QUEBEC

This 16TH day of FEBRUARY, 2012



Applicant(s)

Access to Information and Protection of Privacy Act

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

Appendix B - Sample Locations and Descriptions (Volume II)

2011 Surface Work On the Wounded Moose Property

AM 1 to 280	YD28701 to YD29080
Wam 1 to 99	YD128701 to YD128799
Wam 100	YD128800
Wam 101 to 113	YE31501 to YE31513
Wam 114 to 117	YE31514 to YE31517
Wam 118 to 119	YE31518 to YE31519
Wam 120 to 123	YE31520 to YE31523
Wam 124 to 132	YE31524 to YE31532
Wam 133 to 138	YE31533 to YE31538
Wam 139 to 180	YE31539 to YE31580
Wam 181	YD63785
Wam 182 to 191	YE31582 to YE31591

**Dawson Mining District, Yukon
NTS Sheet 115O10 & 115O07
63°32'N. Lat., 138°39'W. Long.**

Operated by and Recorded to



Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
100226	21/07/2011	ChrisErdman	610923.1985	7051009.679	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100227	21/07/2011	ChrisErdman	610960.3904	7050999.269	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Poor	
100228	21/07/2011	ChrisErdman	611000.9397	7051010.834	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100229	21/07/2011	ChrisErdman	611053.3772	7051003.635	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100230	21/07/2011	ChrisErdman	611099.8228	7051008.605	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100231	21/07/2011	ChrisErdman	611168.2681	7051001.299	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100232	21/07/2011	ChrisErdman	611203.0542	7051002.852	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100233	21/07/2011	ChrisErdman	611250.0806	7050996.916	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	50	Dry	Excellent	
100234	21/07/2011	ChrisErdman	611312.281	7050997.646	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100235	21/07/2011	ChrisErdman	611365.0938	7050995.372	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	30	Dry	Good	
100236	21/07/2011	ChrisErdman	611404.0511	7051009.785	UTMZ7N_WGS84	Colluvium	Tan	Silt			40		Excellent	
100237	21/07/2011	ChrisErdman	611464.4675	7051001.869	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	
100238	21/07/2011	ChrisErdman	611511.3342	7051018.903	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100239	21/07/2011	ChrisErdman	611563.5539	7051017.95	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	
100241	21/07/2011	ChrisErdman	611619.5164	7051016.571	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40		Good	
100242	21/07/2011	ChrisErdman	611663.9742	7051014.454	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100243	21/07/2011	ChrisErdman	611717.7316	7050998.057	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	30	Dry	Good	
100244	21/07/2011	ChrisErdman	611763.1264	7051003.222	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100245	21/07/2011	ChrisErdman	611764.4086	7050903.241	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100246	21/07/2011	ChrisErdman	611713.7126	7050910.267	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40		Good	
100247	21/07/2011	ChrisErdman	611656.7225	7050905.475	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	40	Dry	Excellent	
100248	21/07/2011	ChrisErdman	611612.4577	7050903.473	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100249	21/07/2011	ChrisErdman	611555.44	7050899.462	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Moist	Poor	
100250	21/07/2011	ChrisErdman	611502.4951	7050906.858	UTMZ7N_WGS84									
100251	21/07/2011	ChrisErdman	611453.5436	7050910.938	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100252	21/07/2011	ChrisErdman	611410.605	7050898.057	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100253	21/07/2011	ChrisErdman	611357.8658	7050896.765	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100254	21/07/2011	ChrisErdman	611308.6931	7050915.671	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	80	Dry	Excellent	
100255	21/07/2011	ChrisErdman	611262.6572	7050897.554	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Good	
100256	21/07/2011	ChrisErdman	611212.9331	7050903.841	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Excellent	
100257	21/07/2011	ChrisErdman	611166.9417	7050897.213	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100258	21/07/2011	ChrisErdman	611105.2401	7050917.69	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100259	21/07/2011	ChrisErdman	611053.8253	7050906.971	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100260	21/07/2011	ChrisErdman	611010.4404	7050896.867	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100261	21/07/2011	ChrisErdman	610960.0172	7050910.382	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Excellent	
100262	21/07/2011	ChrisErdman	610893.8842	7050918.331	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	
100263	22/07/2011	ChrisErdman	610758.2292	7052802.923	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100264	22/07/2011	ChrisErdman	610797.0827	7052828.255	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	
100265	22/07/2011	ChrisErdman	610834.2509	7052867.689	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100266	22/07/2011	ChrisErdman	610872.5329	7052900.807	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Good	
100267	22/07/2011	ChrisErdman	610907.2481	7052930.79	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100268	22/07/2011	ChrisErdman	610951.8063	7052974.722	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100269	22/07/2011	ChrisErdman	610993.1976	7053005.497	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100270	22/07/2011	ChrisErdman	611034.0499	7053026.107	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100271	22/07/2011	ChrisErdman	611059.0216	7053069.02	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100272	22/07/2011	ChrisErdman	611113.5408	7053090.778	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	50	Dry	Excellent	
100273	22/07/2011	ChrisErdman	611145.0785	7053133.365	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100274	22/07/2011	ChrisErdman	611187.7307	7053152.144	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	50	Dry	Excellent	
100275	22/07/2011	ChrisErdman	611229.7371	7053190.75	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100276	22/07/2011	ChrisErdman	611260.0905	7053217.462	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100277	22/07/2011	ChrisErdman	611297.4175	7053250.663	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
100278	22/07/2011	ChrisErdman	611340.66	7053290.763	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	50	Dry	Good	
100279	22/07/2011	ChrisErdman	611376.1106	7053320.778	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60		Good	
100280	22/07/2011	ChrisErdman	611418.7892	7053344.356	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100281	22/07/2011	ChrisErdman	611466.3104	7053384.162	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100282	22/07/2011	ChrisErdman	611501.3096	7053408.587	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100283	22/07/2011	ChrisErdman	611535.4076	7053445.915	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100284	22/07/2011	ChrisErdman	611572.7289	7053479.12	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	50	Dry	Excellent	
100285	22/07/2011	ChrisErdman	611612.3651	7053508.615	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Excellent	
100286	22/07/2011	ChrisErdman	611643.7001	7053543.952	UTMZ7N_WGS84	Colluvium	Green	Silt		C	50	Dry	Excellent	
100287	22/07/2011	ChrisErdman	611676.712	7053572.546	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100288	22/07/2011	ChrisErdman	611727.1481	7053605.546	UTMZ7N_WGS84	Colluvium	Green	Silt		C	60	Dry	Excellent	
100289	22/07/2011	ChrisErdman	611768.3174	7053636.547	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100291	22/07/2011	ChrisErdman	611810.166	7053682.069	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100292	22/07/2011	ChrisErdman	611838.9886	7053715.312	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100293	22/07/2011	ChrisErdman	611876.9423	7053731.816	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100294	22/07/2011	ChrisErdman	611910.3332	7053755.185	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	70	Dry	Good	
100295	22/07/2011	ChrisErdman	611950.2517	7053800.418	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	70	Moist	Good	
100296	22/07/2011	ChrisErdman	611992.8008	7053824.557	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	60	Moist	Good	
100297	22/07/2011	ChrisErdman	612022.7681	7053861.857	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Moist	Good	
100298	22/07/2011	ChrisErdman	612067.6406	7053891.878	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	50	Moist	Poor	
100299	22/07/2011	ChrisErdman	612107.4858	7053930.643	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Moist	Good	
100300	23/07/2011	ChrisErdman	612570.2441	7054401.898	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100301	23/07/2011	ChrisErdman	612611.96	7054432.373	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100302	23/07/2011	ChrisErdman	612664.1272	7054477.494	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100303	23/07/2011	ChrisErdman	612699.365	7054504.394	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Good	
100304	23/07/2011	ChrisErdman	612748.9822	7054534.594	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	100	Moist	Good	
100305	23/07/2011	ChrisErdman	612783.0485	7054560.896	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Moist	Good	
100306	23/07/2011	ChrisErdman	612812.0596	7054610.66	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Moist	Poor	
100307	23/07/2011	ChrisErdman	612865.805	7054626.623	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100308	23/07/2011	ChrisErdman	612882.0533	7054666.678	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100309	23/07/2011	ChrisErdman	612903.8503	7054701.465	UTMZ7N_WGS84	Colluvium	BrownDark			B	60	Dry	Good	
100310	23/07/2011	ChrisErdman	612984.3285	7054725.074	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Moist	Poor	
100311	23/07/2011	ChrisErdman	613006.6336	7054763.672	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Moist	Poor	
100312	23/07/2011	ChrisErdman	613039.8997	7054799.762	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	60	Moist	Poor	
100313	23/07/2011	ChrisErdman	613085.511	7054825.141	UTMZ7N_WGS84	Alluvium	Tan	Sand		C	50	Dry	Good	
100314	23/07/2011	ChrisErdman	613124.2814	7054854.403	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	70	Dry	Good	
100315	23/07/2011	ChrisErdman	613146.9805	7054893.016	UTMZ7N_WGS84		Tan	Sand		C	70	Dry	Good	
100316	23/07/2011	ChrisErdman	613191.7178	7054909.445	UTMZ7N_WGS84		Brown	Sand		C	50	Dry	Poor	
100317	23/07/2011	ChrisErdman	613228.4207	7054968.743	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	70	Moist	Good	
100318	23/07/2011	ChrisErdman	613273.1299	7054992.866	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	60	Moist	Poor	
100319	23/07/2011	ChrisErdman	613307.0979	7055017.498	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Moist	Good	
100320	23/07/2011	ChrisErdman	613352.6726	7055040.984	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	60	Moist	Poor	
100321	23/07/2011	ChrisErdman	613392.8172	7055088.587	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Moist	Poor	
100322	23/07/2011	ChrisErdman	613424.1348	7055119.259	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	60	Moist	Poor	
100323	23/07/2011	ChrisErdman	613477.7193	7055150.505	UTMZ7N_WGS84		Tan	Sand		C	60	Dry	Poor	
100324	23/07/2011	ChrisErdman	613499.1033	7055177.142	UTMZ7N_WGS84		Tan	Sand		C	40	Dry	Poor	
100325	23/07/2011	ChrisErdman	613534.9446	7055225.596	UTMZ7N_WGS84		Tan	Silt		C	40	Dry	Poor	
100326	23/07/2011	ChrisErdman	613585.7815	7055248.94	UTMZ7N_WGS84		Tan	Silt		C	50	Dry	Good	
100327	23/07/2011	ChrisErdman	613630.1741	7055276.179	UTMZ7N_WGS84		Tan	Silt		C	40	Dry	Good	
100328	23/07/2011	ChrisErdman	613654.6474	7055310.735	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Poor	
100329	23/07/2011	ChrisErdman	613695.2252	7055330.813	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
100330	23/07/2011	ChrisErdman	613731.6996	7055373.94	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	90	Dry	Good	
100331	23/07/2011	ChrisErdman	613775.8894	7055406.75	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Dry	Good	
100332	23/07/2011	ChrisErdman	613807.703	7055433.094	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100333	23/07/2011	ChrisErdman	613845.2702	7055466.449	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Moist	Poor	
100334	23/07/2011	ChrisErdman	613884.0941	7055504.866	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	60	Moist	Poor	
100335	23/07/2011	ChrisErdman	613925.8036	7055520.974	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Moist	Poor	
100336	24/07/2011	ChrisErdman	613092.8409	7053793.891	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100337	24/07/2011	ChrisErdman	613142.8748	7053826.564	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100338	24/07/2011	ChrisErdman	613170.2012	7053849.842	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100339	24/07/2011	ChrisErdman	613216.5293	7053887.515	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	
100341	24/07/2011	ChrisErdman	613255.5031	7053915.558	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	80	Dry	Excellent	
100342	24/07/2011	ChrisErdman	613303.4178	7053957.415	UTMZ7N_WGS84	Colluvium		Silt		B	60	Dry	Good	
100343	24/07/2011	ChrisErdman	613337.0976	7053983.486	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100344	24/07/2011	ChrisErdman	613361.0386	7054026.383	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Moist	Good	
100345	24/07/2011	ChrisErdman	613397.1283	7054044.735	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Moist	Good	
100346	24/07/2011	ChrisErdman	613442.9569	7054068.453	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Frozen	Poor	
100347	24/07/2011	ChrisErdman	613466.0434	7054107.418	UTMZ7N_WGS84	Alluvium	Grey	Silt		B	80	Dry	Good	
100348	24/07/2011	ChrisErdman	613516.0145	7054142.995	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	80	Frozen	Good	
100349	24/07/2011	ChrisErdman	613552.0409	7054181.085	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Moist	Poor	
100350	24/07/2011	ChrisErdman	613594.162	7054209.803	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	80	Moist	Poor	
100351	24/07/2011	ChrisErdman	613624.2633	7054249.688	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	80	Moist	Poor	
100352	24/07/2011	ChrisErdman	613660.2188	7054292.461	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100353	24/07/2011	ChrisErdman	613711.884	7054305.576	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Moist	Poor	
100354	24/07/2011	ChrisErdman	613744.5675	7054337.08	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Moist	Poor	
100355	24/07/2011	ChrisErdman	613805.0106	7054396.122	UTMZ7N_WGS84		BrownDark	Silt		B	70	Moist	Poor	
100356	24/07/2011	ChrisErdman	613852.1461	7054434.391	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100357	24/07/2011	ChrisErdman	613898.4326	7054475.53	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100358	24/07/2011	ChrisErdman	613942.012	7054499.398	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100359	24/07/2011	ChrisErdman	613978.3245	7054532.039	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100360	24/07/2011	ChrisErdman	614013.55	7054568.656	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100361	24/07/2011	ChrisErdman	614058.2109	7054578.961	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	80	Dry	Excellent	
100362	24/07/2011	ChrisErdman	614090.4053	7054629.409	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	80	Dry	Excellent	
100363	24/07/2011	ChrisErdman	614125.1121	7054662.44	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	80	Moist	Good	
100364	24/07/2011	ChrisErdman	614173.6291	7054682.81	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	70	Dry	Excellent	
100365	24/07/2011	ChrisErdman	614221.1159	7054733.141	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	90	Dry	Good	
100366	24/07/2011	ChrisErdman	614254.2892	7054756.305	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	70	Dry	Good	
100367	24/07/2011	ChrisErdman	614282.2216	7054789.875	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Dry	Good	
100368	24/07/2011	ChrisErdman	614319.4555	7054813.297	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100369	24/07/2011	ChrisErdman	614358.8748	7054849.066	UTMZ7N_WGS84	Colluvium	Brown	Silt		A	60	Dry	Good	
100370	24/07/2011	ChrisErdman	614386.0713	7054900.23	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Dry	Good	
100371	24/07/2011	ChrisErdman	614437.6328	7054913.13	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100372	24/07/2011	ChrisErdman	614318.8331	7055072.886	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Dry	Good	
100373	25/07/2011	ChrisErdman	613407.1465	7053403.323	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Moist	Poor	
100374	25/07/2011	ChrisErdman	613445.604	7053455.66	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Moist	Poor	
100375	25/07/2011	ChrisErdman	613486.9489	7053467.51	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Moist	Poor	
100376	25/07/2011	ChrisErdman	613542.8622	7053506.645	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Frozen	Poor	
100377	25/07/2011	ChrisErdman	613577.6561	7053544.691	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Frozen	Poor	
100378	25/07/2011	ChrisErdman	613646.3741	7053592.316	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	70	Frozen	Poor	
100379	25/07/2011	ChrisErdman	613688.9324	7053633.986	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	70	Frozen	Poor	
100380	25/07/2011	ChrisErdman	613718.3015	7053669.497	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	70	Dry	Good	
100381	25/07/2011	ChrisErdman	613759.5643	7053711.234	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	70	Dry	Good	

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
100382	25/07/2011	ChrisErdman	613794.5313	7053719.402	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Dry	Good	
100383	25/07/2011	ChrisErdman	613828.6428	7053774.934	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100384	25/07/2011	ChrisErdman	613870.096	7053798.837	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100385	25/07/2011	ChrisErdman	613915.5899	7053822.216	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	80	Moist	Good	
100386	25/07/2011	ChrisErdman	613950.4357	7053865.509	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100387	25/07/2011	ChrisErdman	613993.9434	7053891.606	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100388	25/07/2011	ChrisErdman	614027.2373	7053931.052	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100389	25/07/2011	ChrisErdman	614062.9288	7053964.564	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100391	25/07/2011	ChrisErdman	614109.1408	7053994.105	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100392	25/07/2011	ChrisErdman	614151.5514	7054017.488	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Moist	Good	
100393	25/07/2011	ChrisErdman	614200.5032	7054063.3	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Moist	Good	
100394	25/07/2011	ChrisErdman	614233.036	7054094.804	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Frozen	Poor	
100395	25/07/2011	ChrisErdman	614255.765	7054125.509	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	
100396	25/07/2011	ChrisErdman	614300.8396	7054142.411	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	80	Moist	Good	
100397	25/07/2011	ChrisErdman	614335.6962	7054176.899	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Moist	Good	
100398	25/07/2011	ChrisErdman	614372.4687	7054214.691	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Moist	Poor	
100399	25/07/2011	ChrisErdman	614406.104	7054248.578	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	70	Dry	Good	
100400	25/07/2011	ChrisErdman	614447.0964	7054272.584	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Moist	Good	
100401	25/07/2011	ChrisErdman	614491.5622	7054303.518	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100402	25/07/2011	ChrisErdman	614537.2922	7054335.167	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Good	
100403	25/07/2011	ChrisErdman	614566.5645	7054377.04	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100404	25/07/2011	ChrisErdman	614609.4264	7054401.449	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	70	Dry	Excellent	
100405	25/07/2011	ChrisErdman	614643.2811	7054431.891	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100406	25/07/2011	ChrisErdman	614687.4326	7054471.403	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100407	25/07/2011	ChrisErdman	614741.5547	7054498.787	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100408	25/07/2011	ChrisErdman	614762.7415	7054527.99	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100409	26/07/2011	ChrisErdman	613357.2745	7049235.689	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100410	26/07/2011	ChrisErdman	613303.0387	7049226.729	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100411	27/07/2011	ChrisErdman	613261.1013	7049238.281	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100412	26/07/2011	ChrisErdman				Colluvium	Brown	Silt		C	50	Dry	Good	
100413	26/07/2011	ChrisErdman	613152.2383	7049227.154	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100414	26/07/2011	ChrisErdman	613101.5872	7049232.042	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	50	Dry	Excellent	
100415	26/07/2011	ChrisErdman	613060.2018	7049230.904	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100416	26/07/2011	ChrisErdman	613002.6937	7049225.847	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	50	Dry	Good	
100417	26/07/2011	ChrisErdman	612951.9148	7049238.539	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100418	26/07/2011	ChrisErdman	612907.0778	7049232.373	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100419	26/07/2011	ChrisErdman	612853.8806	7049226.358	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100420	26/07/2011	ChrisErdman	612794.5274	7049236.851	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100421	26/07/2011	ChrisErdman	612758.3939	7049240.476	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100422	26/07/2011	ChrisErdman	612706.4061	7049232.61	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100423	26/07/2011	ChrisErdman	612647.5021	7049231.859	UTMZ7N_WGS84	Colluvium	Tan	Silt			60	Dry	Excellent	
100424	26/07/2011	ChrisErdman	612606.1296	7049242.994	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100425	26/07/2011	ChrisErdman	612556.6242	7049239.456	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100426	26/07/2011	ChrisErdman	612502.9914	7049240.121	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Good	
100427	26/07/2011	ChrisErdman	612508.0917	7049139.606	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Good	
100428	26/07/2011	ChrisErdman	612568.4007	7049142.857	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	
100429	26/07/2011	ChrisErdman	612613.7041	7049140.113	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	50	Dry	Excellent	
100430	26/07/2011	ChrisErdman	612669.2074	7049135.835	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	
100431	26/07/2011	ChrisErdman	612716.779	7049137.857	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Excellent	
100432	26/07/2011	ChrisErdman	612769.835	7049145.092	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	
100433	26/07/2011	ChrisErdman	612820.4586	7049138.191	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
100434	26/07/2011	ChrisErdman	612869.7883	7049127.118	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Good	
100435	26/07/2011	ChrisErdman	612917.8504	7049140.534	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100436	26/07/2011	ChrisErdman	612963.5475	7049135.133	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	
100437	26/07/2011	ChrisErdman	613020.7959	7049147.54	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100438	26/07/2011	ChrisErdman	613063.767	7049140.482	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100439	26/07/2011	ChrisErdman	613106.2937	7049137.534	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100441	26/07/2011	ChrisErdman	613157.3741	7049141.583	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100442	26/07/2011	ChrisErdman	613215.519	7049139.974	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100443	26/07/2011	ChrisErdman	613268.5142	7049134.949	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100444	26/07/2011	ChrisErdman	613307.7057	7049140.472	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40		Good	
100445	26/07/2011	ChrisErdman	613372.3874	7049136.868	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	60	Dry	Good	
100446	27/07/2011	ChrisErdman	623108.6961	7043198.969	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40	Moist	Poor	
100447	27/07/2011	ChrisErdman	623068.5038	7043244.705	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	
100448	27/07/2011	ChrisErdman	623038.482	7043292.952	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Moist	Good	
100449	27/07/2011	ChrisErdman	623003.4253	7043318.03	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Moist	Poor	
100450	27/07/2011	ChrisErdman	622948.0416	7043363.626	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Poor	
100451	27/07/2011	ChrisErdman	622931.0542	7043407.359	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100452	27/07/2011	ChrisErdman	622899.74	7043447.862	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Moist	Good	
100453	27/07/2011	ChrisErdman	622872.0716	7043479.138	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100454	27/07/2011	ChrisErdman	622836.0184	7043510.759	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100455	27/07/2011	ChrisErdman	622809.492	7043544.756	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	70	Dry	Good	
100456	27/07/2011	ChrisErdman	622776.4207	7043596.011	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Moist	Good	
100457	27/07/2011	ChrisErdman	622747.2688	7043628.346	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100458	27/07/2011	ChrisErdman	622702.1147	7043664.749	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100459	27/07/2011	ChrisErdman	622666.1999	7043710.988	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100460	27/07/2011	ChrisErdman	622650.6076	7043744.515	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Moist	Good	
100461	27/07/2011	ChrisErdman	622614.0722	7043774.559	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Moist	Good	
100462	27/07/2011	ChrisErdman	622584.0538	7043812.661	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100463	27/07/2011	ChrisErdman	622540.8892	7043853.157	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100464	27/07/2011	ChrisErdman	622444.1388	7043819.1	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100465	27/07/2011	ChrisErdman	622480.8813	7043787.501	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
100466	27/07/2011	ChrisErdman	622525.9804	7043748.528	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Good	
100467	27/07/2011	ChrisErdman	622563.4465	7043709.82	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100468	27/07/2011	ChrisErdman	622572.186	7043667.887	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100469	27/07/2011	ChrisErdman	622599.1532	7043630.113	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100470	27/07/2011	ChrisErdman	622644.1014	7043588.682	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	
100471	27/07/2011	ChrisErdman	622673.1445	7043556.566	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100472	27/07/2011	ChrisErdman	622701.9016	7043508.601	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100473	27/07/2011	ChrisErdman	622738.965	7043474.005	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100474	27/07/2011	ChrisErdman	622769.6264	7043436.152	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Poor	
100475	27/07/2011	ChrisErdman	622793.8781	7043397.829	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Poor	
100476	27/07/2011	ChrisErdman	622832.3162	7043366.411	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	60	Dry	Good	
100477	27/07/2011	ChrisErdman	622865.8946	7043322.76	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	
100478	27/07/2011	ChrisErdman	622895.989	7043273.844	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100479	27/07/2011	ChrisErdman	622944.9788	7043240.269	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100480	27/07/2011	ChrisErdman	622970.1125	7043211.461	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100481	27/07/2011	ChrisErdman	623001.7313	7043174.762	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100482	27/07/2011	ChrisErdman	623031.2282	7043137.535	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	
100483	28/07/2011	ChrisErdman	621450.6197	7046461.481	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	40	Dry	Excellent	
100484	28/07/2011	ChrisErdman	621399.3738	7046438.446	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100485	28/07/2011	ChrisErdman	621349.0788	7046403.516	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	30	Dry	Good	

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
100486	28/07/2011	ChrisErdman	621319.9355	7046370.062	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100487	28/07/2011	ChrisErdman	621288.1856	7046340.969	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	40	Dry	Good	
100488	28/07/2011	ChrisErdman	621242.3749	7046315.022	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100489	28/07/2011	ChrisErdman	621215.5001	7046276.86	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100491	28/07/2011	ChrisErdman	621152.1229	7046244.11	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100492	28/07/2011	ChrisErdman	621105.5017	7046333.564	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100493	28/07/2011	ChrisErdman	621148.8314	7046350.158	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100494	28/07/2011	ChrisErdman	621188.0061	7046384.327	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100495	28/07/2011	ChrisErdman	621232.8595	7046414.475	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	
100496	28/07/2011	ChrisErdman	621264.1281	7046457.489	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100497	28/07/2011	ChrisErdman	621284.6717	7046485.374	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100498	28/07/2011	ChrisErdman	621338.6805	7046499.924	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100499	28/07/2011	ChrisErdman	621377.7634	7046535.096	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	
100500	28/07/2011	ChrisErdman	621415.3863	7046579.804	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Good	
100501	28/07/2011	ChrisErdman	621447.1838	7046611.465	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100502	28/07/2011	ChrisErdman	621488.5784	7046635.574	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100503	28/07/2011	ChrisErdman	621529.4916	7046672.268	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100504	28/07/2011	ChrisErdman	621567.5648	7046710.303	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Poor	
100505	28/07/2011	ChrisErdman	621599.0141	7046735.372	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100506	28/07/2011	ChrisErdman	621643.9667	7046773.114	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	
100507	28/07/2011	ChrisErdman	621672.2791	7046809.886	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100508	28/07/2011	ChrisErdman	621715.8878	7046831.964	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100509	28/07/2011	ChrisErdman	621750.7147	7046861.067	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100510	28/07/2011	ChrisErdman	621804.6773	7046785.621	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100511	28/07/2011	ChrisErdman	621766.3673	7046770.771	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	
100512	28/07/2011	ChrisErdman	621742.5664	7046722.796	UTMZ7N_WGS84	Colluvium	Brown			B	70	Dry	Good	
100513	28/07/2011	ChrisErdman	621708.5572	7046698.296	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100514	28/07/2011	ChrisErdman	621672.0237	7046666.898	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100515	28/07/2011	ChrisErdman	621630.6192	7046633.976	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100516	28/07/2011	ChrisErdman	621592.3581	7046593.032	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100517	28/07/2011	ChrisErdman	621541.5434	7046580.941	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60	Dry	Excellent	
100518	28/07/2011	ChrisErdman	621509.6758	7046532.883	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	
100519	28/07/2011	ChrisErdman	621475.6728	7046489.873	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	
101063	11/06/2011	ShawnTaylor	622564.4841	7043566.323	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101064	11/06/2011	ShawnTaylor	622547.7862	7043615.645	UTMZ7N_WGS84	Colluvium	Brown		ModerateN	C	50	Frozen	Excellent	ForestMixed
101065	11/06/2011	ShawnTaylor	622525.8852	7043651.272	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	42	Moist	Good	ForestMixed
101066	11/06/2011	ShawnTaylor	622491.2877	7043707.378	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101067	11/06/2011	ShawnTaylor	622475.2002	7043764.196	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Moist	Excellent	ForestMixed
101068	11/06/2011	ShawnTaylor	622470.4517	7043802.156	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101069	11/06/2011	ShawnTaylor	622455.2152	7043848.523	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101070	11/06/2011	ShawnTaylor	622436.805	7043893.207	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101071	11/06/2011	ShawnTaylor	622408.4767	7043972.976	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101072	11/06/2011	ShawnTaylor	622391.0924	7044079.151	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101073	11/06/2011	ShawnTaylor	622372.1228	7044183.816	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Moist	Excellent	ForestMixed
101074	11/06/2011	ShawnTaylor	622344.7668	7044288.939	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101075	11/06/2011	ShawnTaylor	622290.2473	7044508.562	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN		50	Moist	Excellent	ForestMixed
101076	12/06/2011	ShawnTaylor	618425.35	7046755.707	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101077	12/06/2011	ShawnTaylor	618457.1237	7046798.041	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101078	12/06/2011	ShawnTaylor	618467.2195	7046857.078	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101079	12/06/2011	ShawnTaylor	618475.4633	7046916.38	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101080	12/06/2011	ShawnTaylor	618485.8161	7046959.144	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101081	12/06/2011	ShawnTaylor	618505.8436	7047009.406	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101082	12/06/2011	ShawnTaylor	618510.7023	7047066.017	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Frozen	Excellent	ForestMixed
101083	12/06/2011	ShawnTaylor	618520.9711	7047108.332	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	60	Moist	Excellent	ForestMixed
101084	12/06/2011	ShawnTaylor	618522.9473	7047155.468	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Moist	Excellent	ForestMixed
101085	12/06/2011	ShawnTaylor	618516.1597	7047200.047	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Moist	Excellent	ForestMixed
101086	12/06/2011	ShawnTaylor	618544.9605	7047305.951	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Wet	Excellent	ForestMixed
101087	12/06/2011	ShawnTaylor	618538.5045	7047345.635	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101088	12/06/2011	ShawnTaylor	618559.2073	7047397.707	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	60	Moist	Excellent	ForestMixed
101089	12/06/2011	ShawnTaylor	618646.9828	7047686.143	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101090	12/06/2011	ShawnTaylor	618646.9124	7047686.698	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101091	12/06/2011	ShawnTaylor	618670.0538	7047739.977	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101092	12/06/2011	ShawnTaylor	618696.7154	7047785.582	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101093	12/06/2011	ShawnTaylor	618747.0111	7047865.86	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateE	C	60	Moist	Excellent	ForestMixed
101094	12/06/2011	ShawnTaylor	618777.6527	7047918.082	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101095	12/06/2011	ShawnTaylor	618795.3416	7047944.058	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101096	12/06/2011	ShawnTaylor	618838.6331	7048009.244	UTMZ7N_WGS84	Lithosoil	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101097	12/06/2011	ShawnTaylor	618854.751	7048038.619	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101098	12/06/2011	ShawnTaylor	618881.4978	7048067.166	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	42	Moist	Excellent	ForestMixed
101099	12/06/2011	ShawnTaylor	618947.7521	7048259.233	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	30	Moist	Excellent	ForestMixed
101100	12/06/2011	ShawnTaylor	618967.9714	7048302.591	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	60	Moist	Excellent	ForestMixed
101101	12/06/2011	ShawnTaylor	618984.1651	7048348.476	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101102	13/06/2011	ShawnTaylor	614818.2838	7053109.827	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101103	13/06/2011	ShawnTaylor	614808.0528	7053065.853	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101104	13/06/2011	ShawnTaylor	614813.1031	7053011.392	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101105	13/06/2011	ShawnTaylor	614833.716	7052963.405	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	50	Moist	Excellent	ForestMixed
101106	13/06/2011	ShawnTaylor	614817.8651	7052900.382	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101107	13/06/2011	ShawnTaylor	614826.689	7052862.451	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101108	13/06/2011	ShawnTaylor	614823.9246	7052815.291	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	60	Moist	Excellent	ForestMixed
101109	13/06/2011	ShawnTaylor	614836.2471	7052760.312	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101110	13/06/2011	ShawnTaylor	614835.2428	7052698.83	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101111	13/06/2011	ShawnTaylor	614837.9966	7052646.071	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101112	13/06/2011	ShawnTaylor	614843.3839	7052615.264	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101113	13/06/2011	ShawnTaylor	614848.3624	7052562.808	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	60	Moist	Excellent	ForestMixed
101114	13/06/2011	ShawnTaylor	614860.921	7052520.551	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Frozen	Excellent	ForestMixed
101115	13/06/2011	ShawnTaylor	614860.622	7052519.202	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101116	13/06/2011	ShawnTaylor	614866.2703	7052461.975	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	60	Moist	Excellent	ForestMixed
101117	13/06/2011	ShawnTaylor	614867.6932	7052422.661	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101118	13/06/2011	ShawnTaylor	614889.9738	7052363.025	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101119	13/06/2011	ShawnTaylor	614895.9248	7052319.414	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	50	Moist	Excellent	ForestMixed
101120	13/06/2011	ShawnTaylor	614902.0762	7052268.897	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	60	Moist	Excellent	ForestMixed
101121	13/06/2011	ShawnTaylor	614916.5902	7052228.941	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101122	13/06/2011	ShawnTaylor	614903.9621	7052175.625	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101123	13/06/2011	ShawnTaylor	614918.9018	7052117.062	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	60	Moist	Excellent	ForestMixed
101124	13/06/2011	ShawnTaylor	614923.5525	7052070.951	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	60	Moist	Excellent	ForestMixed
101125	13/06/2011	ShawnTaylor	614928.851	7052027.539	UTMZ7N_WGS84	Colluvium	Yellow	Sand	Ridge	C	80	Moist	Excellent	ForestMixed
101126	13/06/2011	ShawnTaylor	614945.1639	7051981.85	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	60	Moist	Excellent	ForestMixed
101127	13/06/2011	ShawnTaylor	614948.9581	7051934.704	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	50	Moist	Excellent	ForestMixed
101128	13/06/2011	ShawnTaylor	614946.4719	7051879.859	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	30	Moist	Excellent	ForestMixed
101129	13/06/2011	ShawnTaylor	614967.3873	7051837.459	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101130	15/06/2011	ShawnTaylor	612105.9264	7049741.052	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101131	15/06/2011	ShawnTaylor	612132.3026	7049781.236	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	30	Moist	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101132	15/06/2011	ShawnTaylor	612164.5959	7049817.168	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	30	Moist	Excellent	ForestMixed
101133	15/06/2011	ShawnTaylor	612208.1102	7049884.496	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101134	15/06/2011	ShawnTaylor	612211.5837	7049905.807	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101135	15/06/2011	ShawnTaylor	612254.5465	7049946.465	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Moist	Excellent	ForestMixed
101136	15/06/2011	ShawnTaylor	612287.2747	7049979.849	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101137	15/06/2011	ShawnTaylor	612316.069	7050030.267	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	80	Moist	Excellent	ForestMixed
101138	15/06/2011	ShawnTaylor	612341.6827	7050074.997	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE		50	Moist	Excellent	ForestMixed
101139	15/06/2011	ShawnTaylor	612410.1139	7050158.711	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Excellent	ForestMixed
101140	15/06/2011	ShawnTaylor	612433.6712	7050202.477	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	60	Moist	Excellent	ForestMixed
101141	15/06/2011	ShawnTaylor	612462.5493	7050248.997	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40		Excellent	ForestMixed
101142	15/06/2011	ShawnTaylor	612491.8276	7050271.556	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101143	15/06/2011	ShawnTaylor	612486.1651	7050341.608	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Moist	Excellent	ForestMixed
101144	15/06/2011	ShawnTaylor	612494.9988	7050389.76	UTMZ7N_WGS84	Colluvium	Pink	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
101145	15/06/2011	ShawnTaylor	612494.1151	7050438.572	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	B	30	Moist	Good	ForestMixed
101146	15/06/2011	ShawnTaylor	612507.2435	7050693.844	UTMZ7N_WGS84	Colluvium	Grey	Gravel	ModerateN	B	30	Moist	Poor	ForestMixed
101694	20/07/2011	ShawnTaylor	610846.8455	7052734.651	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	45	Moist	Excellent	ForestMixed
101695	20/07/2011	ShawnTaylor	610867.3357	7052752.428	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101696	20/07/2011	ShawnTaylor	610906.3659	7052786.91	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	40	Moist	Excellent	ForestMixed
101697	20/07/2011	ShawnTaylor	610940.5676	7052815.984	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101698	20/07/2011	ShawnTaylor	610988.2374	7052849.097	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101699	20/07/2011	ShawnTaylor	611014.9189	7052884.375	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Moist	Excellent	ForestMixed
101700	20/07/2011	ShawnTaylor	611053.2389	7052914.932	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101701	20/07/2011	ShawnTaylor	611086.9803	7052948.563	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101702	20/07/2011	ShawnTaylor	611118.9451	7052988.934	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101703	20/07/2011	ShawnTaylor	611165.5431	7053015.657	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101704	20/07/2011	ShawnTaylor	611220.4794	7053051.035	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101705	20/07/2011	ShawnTaylor	611251.0054	7053078.534	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101706	20/07/2011	ShawnTaylor	611292.1942	7053109.306	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101707	20/07/2011	ShawnTaylor	611331.793	7053151.397	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101708	20/07/2011	ShawnTaylor	611366.606	7053188.303	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101709	20/07/2011	ShawnTaylor	611412.3339	7053195.818	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101710	20/07/2011	ShawnTaylor	611444.1615	7053237.08	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101711	20/07/2011	ShawnTaylor	611481.8492	7053269.851	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	70	Moist	Excellent	ForestMixed
101712	20/07/2011	ShawnTaylor	611517.4553	7053291.174	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Excellent	ForestMixed
101713	20/07/2011	ShawnTaylor	611554.2017	7053333.726	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101714	20/07/2011	ShawnTaylor	611606.853	7053366.02	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	80	Moist	Excellent	ForestMixed
101715	20/07/2011	ShawnTaylor	611646.1985	7053381.232	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	ForestMixed
101716	20/07/2011	ShawnTaylor	611686.8019	7053425.593	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101717	20/07/2011	ShawnTaylor	611708.4999	7053459.588	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101718	20/07/2011	ShawnTaylor	611757.3367	7053483.053	UTMZ7N_WGS84	Colluvium	Green	Sand		C	50	Moist	Excellent	ForestMixed
101719	20/07/2011	ShawnTaylor	611788.6643	7053512.927	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101720	20/07/2011	ShawnTaylor	611828.2232	7053548.779	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Moist	Excellent	ForestMixed
101721	20/07/2011	ShawnTaylor	611860.6154	7053596.31	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	80	Moist	Excellent	ForestMixed
101722	20/07/2011	ShawnTaylor	611899.342	7053623.324	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Moist	Excellent	ForestMixed
101723	20/07/2011	ShawnTaylor	611940.0848	7053648.067	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	80	Frozen	Good	ForestMixed
101724	20/07/2011	ShawnTaylor	611984.4331	7053683.198	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	50	Frozen	Good	ForestMixed
101725	20/07/2011	ShawnTaylor	612033.6481	7053715.49	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	40	Frozen	Good	ForestMixed
101726	20/07/2011	ShawnTaylor	612065.5165	7053752.412	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	80	Frozen	Good	ForestMixed
101727	20/07/2011	ShawnTaylor	612090.6781	7053766.906	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	60	Frozen	Good	ForestMixed
101728	20/07/2011	ShawnTaylor	612132.5	7053810.201	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	40	Frozen	Good	ForestMixed
101729	20/07/2011	ShawnTaylor	612168.6056	7053839.579	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	60	Frozen	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101730	24/07/2011	ShawnTaylor	613366.3855	7049420.793	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101731	24/07/2011	ShawnTaylor	613312.5366	7049427.57	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101732	24/07/2011	ShawnTaylor	613258.1435	7049430.091	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Moist	Excellent	ForestMixed
101733	24/07/2011	ShawnTaylor	613224.8198	7049419.09	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	Drainage	C	50	Wet	Excellent	ForestMixed
101734	24/07/2011	ShawnTaylor	613153.0022	7049420.77	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Frozen	Good	ForestMixed
101735	24/07/2011	ShawnTaylor	613113.1021	7049431.058	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101736	24/07/2011	ShawnTaylor	613072.6549	7049430.176	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101737	24/07/2011	ShawnTaylor	613017.8095	7049434.247	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101738	24/07/2011	ShawnTaylor	612964.7435	7049433.029	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	50	Frozen	Good	ForestMixed
101739	24/07/2011	ShawnTaylor	612869.548	7049432.099	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	40	Frozen	Excellent	ForestMixed
101741	24/07/2011	ShawnTaylor	612811.12	7049429.243	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	40	Frozen	Good	ForestMixed
101742	24/07/2011	ShawnTaylor	612772.069	7049436.667	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	60	Moist	Excellent	ForestMixed
101743	24/07/2011	ShawnTaylor	612708.2327	7049458.712	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	60	Frozen	Good	ForestMixed
101744	24/07/2011	ShawnTaylor	612668.2324	7049455.063	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	80	Moist	Excellent	ForestMixed
101745	24/07/2011	ShawnTaylor	612616.5448	7049424.795	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50	Moist	Good	ForestMixed
101746	24/07/2011	ShawnTaylor	612548.8333	7049421.503	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	ForestMixed
101747	24/07/2011	ShawnTaylor	612518.3615	7049431.018	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	30	Moist	Poor	ForestMixed
101748	24/07/2011	ShawnTaylor	612510.3607	7049338.179	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101749	24/07/2011	ShawnTaylor	612557.3984	7049322.895	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101750	24/07/2011	ShawnTaylor	612614.7446	7049321.247	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101751	24/07/2011	ShawnTaylor	612664.9553	7049321.688	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101752	24/07/2011	ShawnTaylor	612777.0643	7049322.543	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80	Frozen	Excellent	ForestMixed
101753	24/07/2011	ShawnTaylor	612811.7961	7049317.754	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101754	24/07/2011	ShawnTaylor	612875.0737	7049321.339	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101755	24/07/2011	ShawnTaylor	612920.9834	7049321.075	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80	Moist	Excellent	ForestMixed
101756	24/07/2011	ShawnTaylor	612959.5484	7049352.554	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101757	24/07/2011	ShawnTaylor	613015.5024	7049355.101	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101758	24/07/2011	ShawnTaylor	613061.2825	7049333.312	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101759	24/07/2011	ShawnTaylor	613105.5687	7049329.758	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101760	24/07/2011	ShawnTaylor	613165.0553	7049330.873	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101761	24/07/2011	ShawnTaylor	613213.482	7049328.36	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101762	24/07/2011	ShawnTaylor	613257.4586	7049322.344	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101763	24/07/2011	ShawnTaylor	613303.4164	7049331.9	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	40	Wet	Good	ForestMixed
101764	24/07/2011	ShawnTaylor	613353.1764	7049338.024	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80	Frozen	Excellent	ForestMixed
101765	25/07/2011	ShawnTaylor	622874.0435	7043005.553	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	AlpineBare
101766	25/07/2011	ShawnTaylor	622845.0234	7043049.825	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Excellent	ForestMixed
101767	25/07/2011	ShawnTaylor	622806.6382	7043082.362	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	AlpineBare
101768	25/07/2011	ShawnTaylor	622786.4461	7043122.626	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	ForestMixed
101769	25/07/2011	ShawnTaylor	622750.3574	7043166.738	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101770	25/07/2011	ShawnTaylor	622725.5402	7043211.955	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101771	25/07/2011	ShawnTaylor	622690.9332	7043249.991	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	30	Moist	Good	ForestMixed
101772	25/07/2011	ShawnTaylor	622645.7189	7043281.373	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
101773	25/07/2011	ShawnTaylor	622617.422	7043312.181	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
101774	25/07/2011	ShawnTaylor	622583.4197	7043352.695	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101775	25/07/2011	ShawnTaylor	622549.1847	7043387.624	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101776	25/07/2011	ShawnTaylor	622524.2288	7043437.856	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101777	25/07/2011	ShawnTaylor	622492.7534	7043472.334	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101778	25/07/2011	ShawnTaylor	622459.8025	7043510.213	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101779	25/07/2011	ShawnTaylor	622429.7185	7043547.422	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	30	Moist	Excellent	ForestMixed
101780	25/07/2011	ShawnTaylor	622398.0183	7043587.803	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Moist	Excellent	ForestMixed
101781	25/07/2011	ShawnTaylor	622369.4387	7043633.881	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101782	25/07/2011	ShawnTaylor	622329.0717	7043669.023	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	ForestMixed
101783	25/07/2011	ShawnTaylor	622311.0288	7043705.469	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101784	25/07/2011	ShawnTaylor	622370.4451	7043756.823	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101785	25/07/2011	ShawnTaylor	622394.1617	7043733.533	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101786	25/07/2011	ShawnTaylor	622431.8318	7043689.478	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Moist	Excellent	ForestMixed
101787	25/07/2011	ShawnTaylor	622464.3645	7043649.463	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
101788	25/07/2011	ShawnTaylor	622496.2842	7043616.34	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101789	25/07/2011	ShawnTaylor	622510.2228	7043577.842	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101790	25/07/2011	ShawnTaylor	622552.5276	7043520.917	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101791	25/07/2011	ShawnTaylor	622588.2918	7043482.478	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101792	25/07/2011	ShawnTaylor	622614.1437	7043455.591	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
101793	25/07/2011	ShawnTaylor	622653.475	7043417.736	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101794	25/07/2011	ShawnTaylor	622683.5886	7043386.33	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
101795	25/07/2011	ShawnTaylor	622715.1535	7043345.723	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Good	ForestMixed
101796	25/07/2011	ShawnTaylor	622753.9116	7043307.289	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	AlpineBare
101797	25/07/2011	ShawnTaylor	622787.2851	7043267.645	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50	Moist	Good	ForestMixed
101798	25/07/2011	ShawnTaylor	622809.8367	7043226.914	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80	Moist	Excellent	AlpineBare
101799	25/07/2011	ShawnTaylor	622839.8295	7043185.801	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Moist	Excellent	ForestMixed
101800	25/07/2011	ShawnTaylor	622872.9478	7043146.371	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	60	Moist	Good	AlpineBare
101801	25/07/2011	ShawnTaylor	622908.809	7043109.5	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101802	25/07/2011	ShawnTaylor	622949.1037	7043094.66	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101803	26/07/2011	ShawnTaylor	621562.5247	7046311.96	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101804	26/07/2011	ShawnTaylor	621605.0949	7046348.383	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101805	26/07/2011	ShawnTaylor	621643.6299	7046371.827	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80	Moist	Excellent	ForestMixed
101806	26/07/2011	ShawnTaylor	621685.6401	7046403.323	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80	Moist	Excellent	ForestMixed
101807	26/07/2011	ShawnTaylor	621721.4282	7046437.369	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70	Moist	Excellent	ForestMixed
101808	26/07/2011	ShawnTaylor	621760.5946	7046472.884	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101809	26/07/2011	ShawnTaylor	621800.333	7046488.235	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101810	26/07/2011	ShawnTaylor	621846.7768	7046531.278	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Frozen	Excellent	ForestMixed
101811	26/07/2011	ShawnTaylor	621871.4036	7046566.795	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Frozen	Excellent	ForestMixed
101812	26/07/2011	ShawnTaylor	621819.8959	7046646.906	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	60	Frozen	Good	ForestMixed
101813	26/07/2011	ShawnTaylor	621773.1533	7046632.514	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Frozen	Excellent	ForestMixed
101814	26/07/2011	ShawnTaylor	621750.0682	7046619.139	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101815	26/07/2011	ShawnTaylor	621729.1957	7046597.373	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101816	26/07/2011	ShawnTaylor	621700.3195	7046590.915	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101817	26/07/2011	ShawnTaylor	621677.1044	7046566.607	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101818	26/07/2011	ShawnTaylor	621650.6589	7046533.029	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101819	26/07/2011	ShawnTaylor	621621.058	7046493.421	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101820	26/07/2011	ShawnTaylor	621566.4675	7046473.267	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101821	26/07/2011	ShawnTaylor	621525.8406	7046442.048	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101822	26/07/2011	ShawnTaylor	621503.7319	7046410.868	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101823	26/07/2011	ShawnTaylor	621465.1452	7046367.907	UTMZ7N_WGS84	Colluvium	Orange	Sand		C	40	Moist	Good	ForestMixed
101824	26/07/2011	ShawnTaylor	621518.6147	7046284.519	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101825	26/07/2011	ShawnTaylor	621479.2189	7046266.621	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50	Moist	Good	ForestMixed
101826	26/07/2011	ShawnTaylor	621449.1544	7046242.944	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Excellent	ForestMixed
101827	26/07/2011	ShawnTaylor	621368.4714	7046171.834	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	ForestMixed
101828	26/07/2011	ShawnTaylor	621324.6713	7046142.728	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101829	26/07/2011	ShawnTaylor	621279.3975	7046115.686	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101830	26/07/2011	ShawnTaylor	621260.4918	7046179.316	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101831	26/07/2011	ShawnTaylor	621278.9755	7046192.065	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101832	26/07/2011	ShawnTaylor	621318.2774	7046215.088	UTMZ7N_WGS84	Alluvium	BrownLight	Sand		B	50	Moist	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101833	26/07/2011	ShawnTaylor	621362.5615	7046248.451	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101834	26/07/2011	ShawnTaylor	621399.1154	7046275.608	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101835	26/07/2011	ShawnTaylor	621445.1528	7046302.124	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101836	27/07/2011	ShawnTaylor	613614.4249	7047373.66	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101837	27/07/2011	ShawnTaylor	613651.4117	7047371.859	UTMZ7N_WGS84	Alluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101838	27/07/2011	ShawnTaylor	613705.2714	7047376.907	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101839	27/07/2011	ShawnTaylor	613757.08	7047375.303	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101840	27/07/2011	ShawnTaylor	613811.9449	7047364.776	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70	Moist	Excellent	ForestMixed
101842	27/07/2011	ShawnTaylor	613908.9251	7047362.115	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101843	27/07/2011	ShawnTaylor	613953.9297	7047360.159	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101844	27/07/2011	ShawnTaylor	614009.6547	7047360.372	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101845	27/07/2011	ShawnTaylor	614065.1624	7047365.262	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101846	27/07/2011	ShawnTaylor	614108.052	7047373.715	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101847	27/07/2011	ShawnTaylor	614153.5165	7047378.357	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101848	27/07/2011	ShawnTaylor	614207.8241	7047387.556	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101849	27/07/2011	ShawnTaylor	614259.019	7047385.046	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101850	27/07/2011	ShawnTaylor	614321.1084	7047364.639	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101851	27/07/2011	ShawnTaylor	614353.2678	7047376.724	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101852	27/07/2011	ShawnTaylor	614416.5909	7047382.905	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101853	27/07/2011	ShawnTaylor	614460.0279	7047392.72	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101854	27/07/2011	ShawnTaylor	614400.0102	7047294.657	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101855	27/07/2011	ShawnTaylor	614349.7738	7047296.754	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101856	27/07/2011	ShawnTaylor	614304.834	7047288.559	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
101857	27/07/2011	ShawnTaylor	614256.0267	7047274.426	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101858	27/07/2011	ShawnTaylor	614202.6295	7047275.854	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101859	27/07/2011	ShawnTaylor	614157.2105	7047275.45	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101860	27/07/2011	ShawnTaylor	614113.1652	7047296.395	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101861	27/07/2011	ShawnTaylor	614065.7151	7047294.358	UTMZ7N_WGS84	Colluvium	Orange	Sand		C	40	Moist	Excellent	ForestMixed
101862	27/07/2011	ShawnTaylor	614010.6863	7047283.018	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101863	27/07/2011	ShawnTaylor	613951.448	7047261.38	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	60	Moist	Good	ForestMixed
101864	27/07/2011	ShawnTaylor	613907.4854	7047266.161	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	60	Wet	Excellent	ForestMixed
101865	27/07/2011	ShawnTaylor	613862.4373	7047273.469	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101866	27/07/2011	ShawnTaylor	613800.6917	7047269.029	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70	Moist	Excellent	ParklandPine
101867	27/07/2011	ShawnTaylor	613759.3243	7047266.656	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101868	27/07/2011	ShawnTaylor	613711.2925	7047278.097	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101869	27/07/2011	ShawnTaylor	613655.2097	7047294.827	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101870	27/07/2011	ShawnTaylor	613599.2514	7047285.802	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Moist	Excellent	ForestMixed
102654	22/07/2011	JBHebsgaard	611456.1544	7051960.578	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Dry	Good	ForestMixed
102655	22/07/2011	JBHebsgaard	611510.324	7051982.887	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
102656	22/07/2011	JBHebsgaard	611554.6299	7052025.704	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
102657	22/07/2011	JBHebsgaard	611585.4616	7052057.453	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
102658	22/07/2011	JBHebsgaard	611618.4303	7052080.692	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	70	Dry	Good	ForestBlackSpruce
102659	22/07/2011	JBHebsgaard	611657.1495	7052131.119	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
102660	22/07/2011	JBHebsgaard	611696.3496	7052163.61	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
102661	22/07/2011	JBHebsgaard	611742.0717	7052188.637	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
102662	22/07/2011	JBHebsgaard	611777.8858	7052215.657	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
102663	22/07/2011	JBHebsgaard	611816.646	7052250.699	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
102664	22/07/2011	JBHebsgaard	611853.7078	7052284.567	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	100	Dry	Excellent	ForestMixed
102665	22/07/2011	JBHebsgaard	611886.493	7052311.482	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNE	C	80	Dry	Excellent	ForestBlackSpruce
102666	22/07/2011	JBHebsgaard	611920.9664	7052348.27	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	60	Wet	Good	ForestBlackSpruce
102667	22/07/2011	JBHebsgaard	611970.5605	7052390.163	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNE	B	90	Moist	Good	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
102668	22/07/2011	JBHebsgaard	611997.5805	7052412.862	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNE	B	80	Moist	Good	ForestBlackSpruce
102669	22/07/2011	JBHebsgaard	612039.0088	7052446.774	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	80	Dry	Good	ForestMixed
102670	22/07/2011	JBHebsgaard	612085.4537	7052475.066	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
102671	22/07/2011	JBHebsgaard	612104.6567	7052510.87	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Good	ForestAspen
102672	22/07/2011	JBHebsgaard	612155.1332	7052540.309	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	80	Dry	Excellent	ForestBlackSpruce
102673	22/07/2011	JBHebsgaard	612194.0017	7052566.439	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Good	ForestBlackSpruce
102674	22/07/2011	JBHebsgaard	612426.4399	7052762.899	UTMZ7N_WGS84	OrganicMoss	Brown	Silt	ModerateW	B	80	Moist	Good	DrainageBrush
102675	22/07/2011	JBHebsgaard	612473.6526	7052780.519	UTMZ7N_WGS84	OrganicMoss	Brown	Silt	ModerateW	B	80	Frozen	Poor	DrainageBrush
102676	22/07/2011	JBHebsgaard	612495.1187	7052833.58	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	100	Moist	Poor	ForestMixed
102677	22/07/2011	JBHebsgaard	612575.9064	7052898.892	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	70	Dry	Good	ForestAspen
102678	22/07/2011	JBHebsgaard	612618.1788	7052928.271	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateW	B	40	Dry	Good	ForestAspen
102679	22/07/2011	JBHebsgaard	612659.5383	7052963.751	UTMZ7N_WGS84	Colluvium	Brown	Gravel	SteepW	C	50	Dry	Good	ForestAspen
102680	22/07/2011	JBHebsgaard	612692.9269	7052991.477	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	50	Dry	Excellent	ForestAspen
102681	22/07/2011	JBHebsgaard	612731.5036	7053017.157	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	C	50	Dry	Excellent	ForestAspen
102682	22/07/2011	JBHebsgaard	612787.9454	7053050.275	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	80	Dry	Excellent	ForestAspen
102683	22/07/2011	JBHebsgaard	612805.9552	7053099.759	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestAspen
102684	23/07/2011	JBHebsgaard	610563.5454	7053024.396	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	50	Dry	Good	ForestBlackSpruce
102685	23/07/2011	JBHebsgaard	610606.6875	7053067.717	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	80	Moist	Good	ForestBlackSpruce
102686	23/07/2011	JBHebsgaard	610650.3232	7053088.306	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	80	Moist	Good	ForestBlackSpruce
102687	23/07/2011	JBHebsgaard	610690.4483	7053119.814	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	80	Frozen	Good	ForestBlackSpruce
102688	23/07/2011	JBHebsgaard	610717.6244	7053176.517	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	120	Dry	Good	ForestMixed
102689	23/07/2011	JBHebsgaard	610758.3309	7053191.32	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	120	Dry	Good	ForestMixed
102690	23/07/2011	JBHebsgaard	610810.5331	7053225.369	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Dry	Good	ForestMixed
102691	23/07/2011	JBHebsgaard	610836.2267	7053251.914	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	80	Dry	Good	ForestMixed
102693	23/07/2011	JBHebsgaard	610882.5144	7053283.193	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	70	Dry	Good	ForestMixed
102694	23/07/2011	JBHebsgaard	610916.6945	7053329.773	UTMZ7N_WGS84	Colluvium	Blue	Silt	ModerateNW	C	60	Dry	Good	ForestMixed
102695	23/07/2011	JBHebsgaard	610950.5543	7053358.5	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	80	Dry	Excellent	ForestAspen
102696	23/07/2011	JBHebsgaard	610990.0738	7053390.102	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	80	Dry	Excellent	ForestAspen
102697	23/07/2011	JBHebsgaard	611025.6163	7053427.476	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	100	Dry	Excellent	ForestAspen
102698	23/07/2011	JBHebsgaard	611072.0289	7053459.32	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	100	Dry	Excellent	ForestAspen
102699	23/07/2011	JBHebsgaard	611103.0719	7053480.479	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	90	Dry	Excellent	ForestAspen
102700	23/07/2011	JBHebsgaard	611149.4372	7053522.136	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	70	Dry	Good	ForestAspen
102701	23/07/2011	JBHebsgaard	611188.6531	7053546.705	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	70	Dry	Good	ForestMixed
102702	23/07/2011	JBHebsgaard	611217.9215	7053575.943	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	100	Dry	Good	ForestMixed
102703	23/07/2011	JBHebsgaard	611252.9877	7053611.184	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	110	Moist	Good	ForestBlackSpruce
102704	23/07/2011	JBHebsgaard	611294.7322	7053648.555	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	110	Dry	Good	ForestBlackSpruce
102705	23/07/2011	JBHebsgaard	611338.568	7053665.928	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	100	Dry	Good	ForestBlackSpruce
102706	23/07/2011	JBHebsgaard	611373.67	7053705.743	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	80	Frozen	Good	ForestBlackSpruce
102707	23/07/2011	JBHebsgaard	611405.7117	7053745.005	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	90	Dry	Good	ForestBlackSpruce
102708	23/07/2011	JBHebsgaard	611444.0053	7053771.664	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	100	Dry	Good	ForestMixed
102709	23/07/2011	JBHebsgaard	611489.3841	7053797.345	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	100	Dry	Good	ForestMixed
102710	23/07/2011	JBHebsgaard	611527.5393	7053844.852	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	70	Dry	Excellent	ForestMixed
102711	23/07/2011	JBHebsgaard	611565.6297	7053874.404	UTMZ7N_WGS84	Colluvium	Blue	Silt	Flat	C	90	Dry	Excellent	ForestAspen
102712	23/07/2011	JBHebsgaard	611600.638	7053902.622	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	110	Dry	Excellent	ForestAspen
102713	23/07/2011	JBHebsgaard	611630.5856	7053936.349	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	100	Dry	Excellent	ForestAspen
102714	23/07/2011	JBHebsgaard	611726.85	7053989.027	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
102715	23/07/2011	JBHebsgaard	611760.786	7054026.464	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
102716	23/07/2011	JBHebsgaard	611802.4169	7054066.738	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	80	Dry	Excellent	ForestMixed
102717	23/07/2011	JBHebsgaard	611830.4663	7054095.047	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	90	Dry	Excellent	ForestAspen
102718	23/07/2011	JBHebsgaard	611879.9373	7054114.3	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Flat	C	40	Moist	Good	ForestAspen
102719	24/07/2011	JBHebsgaard	612840.5887	7054101.831	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Dry	Good	ForestAspen

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
102720	24/07/2011	JBHebsgaard	612879.8549	7054142.593	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
102721	24/07/2011	JBHebsgaard	612911.9547	7054161.466	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	60	Dry	Excellent	ForestMixed
102722	24/07/2011	JBHebsgaard	612948.1961	7054195.096	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Dry	Good	ForestMixed
102723	24/07/2011	JBHebsgaard	612998.927	7054224.781	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	80	Dry	Good	ForestMixed
102724	24/07/2011	JBHebsgaard	613033.808	7054256.133	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	C	110	Moist	Good	ForestBlackSpruce
102725	24/07/2011	JBHebsgaard	613070.8165	7054293.249	UTMZ7N_WGS84	Colluvium	Orange	Gravel	Flat	C	90	Wet	Good	ForestBlackSpruce
102726	24/07/2011	JBHebsgaard	613118.5319	7054319.707	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Flat	C	100	Dry	Good	ForestMixed
102727	24/07/2011	JBHebsgaard	613153.7396	7054355.755	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	100	Dry	Good	ForestAspen
102728	24/07/2011	JBHebsgaard	613183.8134	7054390.952	UTMZ7N_WGS84	Glacial	RustyOrange	Gravel	Flat	B	60	Dry	Poor	ForestAspen
102729	24/07/2011	JBHebsgaard	613230.2358	7054431.305	UTMZ7N_WGS84	OrganicMoss	Brown	Gravel	Drainage	B	50	Moist	Poor	DrainageBrush
102730	24/07/2011	JBHebsgaard	613451.6118	7054610.728	UTMZ7N_WGS84	OrganicHumus	Grey	Silt	Drainage	B	80	Wet	Poor	ForestFir
102731	24/07/2011	JBHebsgaard	613479.5825	7054650.424	UTMZ7N_WGS84	OrganicHumus	BrownDark	Silt	Drainage	B	80	Moist	Poor	ForestBlackSpruce
102732	24/07/2011	JBHebsgaard	613524.4906	7054666.306	UTMZ7N_WGS84	Glacial	RustyRed	Gravel	ModerateW	B	30	Dry	Poor	ForestAspen
102733	24/07/2011	JBHebsgaard	613562.4614	7054717.848	UTMZ7N_WGS84	Glacial	RustyRed	Gravel	Flat	B	40	Dry	Poor	ForestAspen
102734	24/07/2011	JBHebsgaard	613610.7914	7054751.807	UTMZ7N_WGS84	Glacial	Brown	Gravel	Flat	B	40	Dry	Poor	ForestAspen
102735	24/07/2011	JBHebsgaard	613638.7181	7054778.791	UTMZ7N_WGS84	Glacial	Brown	Gravel	Flat	B	40	Dry	Poor	ForestAspen
102736	24/07/2011	JBHebsgaard	613693.5897	7054801.946	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	80	Dry	Good	ForestAspen
102737	24/07/2011	JBHebsgaard	613714.5834	7054846.413	UTMZ7N_WGS84	Soil	RustyRed	Gravel	Flat	B	80	Dry	Poor	ForestMixed
102738	24/07/2011	JBHebsgaard	613759.9018	7054863.205	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	B	110	Dry	Good	ForestMixed
102739	24/07/2011	JBHebsgaard	613792.4062	7054909.2	UTMZ7N_WGS84	OrganicHumus	BrownDark	Silt	Flat	B	90	Moist	Poor	ForestBlackSpruce
102740	24/07/2011	JBHebsgaard	613867.8573	7054974.358	UTMZ7N_WGS84	OrganicHumus	Brown	Silt	Flat	B	80	Moist	Good	ForestBlackSpruce
102741	24/07/2011	JBHebsgaard	613982.8553	7055055.102	UTMZ7N_WGS84	OrganicHumus	BrownDark	Clay	Flat	B	80	Moist	Poor	ForestBlackSpruce
102742	24/07/2011	JBHebsgaard	614017.7331	7055115.014	UTMZ7N_WGS84	OrganicHumus	Brown	Silt	Flat	B	110	Moist	Good	ForestBlackSpruce
102743	24/07/2011	JBHebsgaard	614062.9131	7055127.233	UTMZ7N_WGS84	OrganicHumus	Brown	Silt	Flat	B	110	Dry	Poor	ForestMixed
102744	24/07/2011	JBHebsgaard	614096.7677	7055149.305	UTMZ7N_WGS84	OrganicHumus	Brown	Silt	Flat	B	110	Frozen	Poor	ForestBlackSpruce
104157	12/06/2011	MarkHiggins	619487.8985	7044077.622	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	C	60	Wet	Good	ForestMixed
104158	12/06/2011	MarkHiggins	619441.4293	7044101.195	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
104159	12/06/2011	MarkHiggins	619393.2249	7044120.576	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
104160	12/06/2011	MarkHiggins	619382.3041	7044170.017	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Excellent	SubAlpineBrush
104161	12/06/2011	MarkHiggins	619353.6482	7044236.749	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	C	35	Moist	Good	SubAlpineBrush
104162	12/06/2011	MarkHiggins	619314.8649	7044257.377	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	Ridge	C	40	Moist	Good	ForestBlackSpruce
104163	12/06/2011	MarkHiggins	619283.2526	7044283.404	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	C	40	Moist	Excellent	SubAlpineBrush
104164	12/06/2011	MarkHiggins	619249.2639	7044334.323	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	SubAlpineBrush
104165	12/06/2011	MarkHiggins	619249.3634	7044334.327	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	SubAlpineBrush
104166	12/06/2011	MarkHiggins	619217.957	7044372.184	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	60	Dry	Excellent	SubAlpineBrush
104167	12/06/2011	MarkHiggins	619180.9722	7044407.379	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	SubAlpineBrush
104168	12/06/2011	MarkHiggins	619147.7985	7044439.259	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Moist	Good	SubAlpineBrush
104169	12/06/2011	MarkHiggins	619121.6557	7044472.295	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Moist	Good	SubAlpineBrush
104170	12/06/2011	MarkHiggins	619073.637	7044514.885	UTMZ7N_WGS84	Lithosoil	Tan	Silt	ModerateN	C	40	Dry	Excellent	SubAlpineBrush
104171	12/06/2011	MarkHiggins	619040.5069	7044546.991	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Moist	Good	SubAlpineBrush
104172	12/06/2011	MarkHiggins	619018.5178	7044590.22	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	50	Moist	Excellent	SubAlpineBrush
104173	12/06/2011	MarkHiggins	618987.9253	7044625.098	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	35	Moist	Excellent	SubAlpineBrush
104174	12/06/2011	MarkHiggins	618947.635	7044652.923	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Excellent	SubAlpineBrush
104175	12/06/2011	MarkHiggins	618916.6481	7044702.397	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Moist	Good	SubAlpineBrush
104176	12/06/2011	MarkHiggins	618891.9975	7044768.947	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	50	Dry	Excellent	SubAlpineBrush
104177	12/06/2011	MarkHiggins	618885.701	7044804.176	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	50	Moist	Good	SubAlpineBrush
104178	12/06/2011	MarkHiggins	618884.1595	7044865.455	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestBlackSpruce
104179	12/06/2011	MarkHiggins	618873.5242	7044896.842	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestBlackSpruce
104180	12/06/2011	MarkHiggins	618858.7458	7044949.821	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	50	Dry	Excellent	SubAlpineBrush
104181	12/06/2011	MarkHiggins	618871.2777	7044994.34	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
104182	12/06/2011	MarkHiggins	618863.3474	7045039.991	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104183	12/06/2011	MarkHiggins	618845.1001	7045097.859	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateNE	C	40	Moist	Excellent	ForestBlackSpruce
104184	12/06/2011	MarkHiggins	618829.0554	7045144.768	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
104185	12/06/2011	MarkHiggins	618839.2573	7045191.654	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
104186	12/06/2011	MarkHiggins	618848.6995	7045245.537	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
104187	12/06/2011	MarkHiggins	618846.3546	7045304.333	UTMZ7N_WGS84	Lithosoil					20		Poor	
104188	12/06/2011	MarkHiggins	618882.5106	7045349.623	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
104189	12/06/2011	MarkHiggins	618891.7202	7045397.699	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	50	Moist	Good	ForestMixed
104190	12/06/2011	MarkHiggins	618891.8113	7045397.925	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	50	Dry	Good	
104191	12/06/2011	MarkHiggins	618904.0467	7045439.645	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNE	C	30	Dry	Good	ForestMixed
104192	12/06/2011	MarkHiggins	618960.933	7045531.101	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepNE	C	40	Wet	Good	ForestMixed
104193	13/06/2011	MarkHiggins	613781.013	7050811.932	UTMZ7N_WGS84	Lithosoil	Orange	Silt	Ridge	C	40	Dry	Excellent	ForestAspen
104194	13/06/2011	MarkHiggins	613837.9527	7050800.144	UTMZ7N_WGS84	Lithosoil	Orange	Silt	Ridge	C	40	Dry	Excellent	ForestAspen
104195	13/06/2011	MarkHiggins	613877.8422	7050792.542	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	70	Dry	Excellent	ForestAspen
104196	13/06/2011	MarkHiggins	613936.7726	7050771.014	UTMZ7N_WGS84	Lithosoil	Orange	Silt	Ridge	C	70	Dry	Good	ForestAspen
104197	13/06/2011	MarkHiggins	613982.1773	7050763.499	UTMZ7N_WGS84	Lithosoil	Yellow	Silt	Ridge	C	50	Dry	Excellent	ForestAspen
104198	13/06/2011	MarkHiggins	614025.254	7050743.3	UTMZ7N_WGS84	Lithosoil	Yellow	Silt	Ridge	C	40	Dry	Excellent	ForestAspen
104199	13/06/2011	MarkHiggins	614063.2197	7050731.17	UTMZ7N_WGS84	Lithosoil	Yellow	Silt	Ridge	C	60	Dry	Excellent	ForestAspen
104200	13/06/2011	MarkHiggins	614114.4295	7050710.149	UTMZ7N_WGS84	Lithosoil	Orange	Silt	Ridge	C	40	Dry	Excellent	ForestAspen
104201	13/06/2011	MarkHiggins	614186.8122	7050698.922	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Excellent	ForestAspen
104202	13/06/2011	MarkHiggins	614223.7351	7050678.505	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	80	Dry	Excellent	ForestAspen
104203	13/06/2011	MarkHiggins	614267.3874	7050674.164	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	80	Dry	Excellent	ForestAspen
104204	13/06/2011	MarkHiggins	614305.7898	7050662.387	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	40	Dry	Good	ForestAspen
104205	13/06/2011	MarkHiggins	614354.2612	7050631.904	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	ForestAspen
104206	13/06/2011	MarkHiggins	614383.799	7050587.469	UTMZ7N_WGS84	Lithosoil	Green	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
104207	13/06/2011	MarkHiggins	614429.2769	7050564.239	UTMZ7N_WGS84	Lithosoil	Orange	Sand		C	40	Dry	Good	ForestAspen
104208	13/06/2011	MarkHiggins	614475.9487	7050531.351	UTMZ7N_WGS84	Colluvium	Tan	Silt	Flat	C	70	Dry	Excellent	ForestAspen
104209	13/06/2011	MarkHiggins	614517.1945	7050506.966	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Moist	Excellent	ForestAspen
104210	13/06/2011	MarkHiggins	614545.8039	7050473.205	UTMZ7N_WGS84	Colluvium	Orange		Flat	C	60	Dry	Excellent	ForestMixed
104211	13/06/2011	MarkHiggins	614592.053	7050441.084	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	80	Dry	Excellent	
104212	13/06/2011	MarkHiggins	614639.7697	7050411.023	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	50	Dry	Good	ForestMixed
104213	13/06/2011	MarkHiggins	614677.5288	7050404.803	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	60	Dry	Excellent	ForestAspen
104214	13/06/2011	MarkHiggins	614717.0005	7050358.053	UTMZ7N_WGS84	Lithosoil	Grey	Silt	Flat	C	50	Dry	Excellent	ForestMixed
104215	13/06/2011	MarkHiggins	614716.8596	7050357.825	UTMZ7N_WGS84	Lithosoil	Grey	Silt	Flat	C	50	Dry	Excellent	ForestMixed
104216	13/06/2011	MarkHiggins	614760.8794	7050347.595	UTMZ7N_WGS84	Lithosoil	Orange	Silt	Flat	C	40	Dry	Excellent	ForestMixed
104217	13/06/2011	MarkHiggins	614815.2915	7050319.452	UTMZ7N_WGS84	Lithosoil	Green	Silt	Flat	C	50	Dry	Excellent	ForestMixed
104218	13/06/2011	MarkHiggins	614850.8352	7050314.046	UTMZ7N_WGS84	Lithosoil	Orange	Silt	ModerateE	C	50	Moist	Good	ForestMixed
104219	13/06/2011	MarkHiggins	614903.1858	7050296.2	UTMZ7N_WGS84	Lithosoil	Green	Silt	Flat	C	40	Dry	Excellent	ForestMixed
104220	13/06/2011	MarkHiggins	614950.0246	7050302.913	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	40	Dry	Excellent	ForestMixed
104221	13/06/2011	MarkHiggins	615007.2571	7050301.305	UTMZ7N_WGS84	Lithosoil	Orange	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
104222	13/06/2011	MarkHiggins	615051.6037	7050288.971	UTMZ7N_WGS84	Lithosoil	Green	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
104223	13/06/2011	MarkHiggins	615101.3148	7050274.045	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
104224	13/06/2011	MarkHiggins	615159.9003	7050262.563	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
104225	13/06/2011	MarkHiggins	615205.5826	7050257.305	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
104226	13/06/2011	MarkHiggins	615239.1239	7050255.065	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	80	Moist	Excellent	ForestMixed
104227	13/06/2011	MarkHiggins	615299.7824	7050261.838	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	40	Moist	Poor	ForestMixed
104228	13/06/2011	MarkHiggins	615352.2229	7050258.055	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
104229	13/06/2011	MarkHiggins	615397.5478	7050250.334	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
104230	13/06/2011	MarkHiggins	615455.2211	7050259.901	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
104231	13/06/2011	MarkHiggins	615493.5976	7050239.55	UTMZ7N_WGS84	Lithosoil	Orange	Silt	ModerateE	C	40	Dry	Good	ForestMixed
104232	13/06/2011	MarkHiggins	615564.4234	7050226.514	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
104233	13/06/2011	MarkHiggins	615599.4824	7050233.142	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104234	13/06/2011	MarkHiggins	615657.8786	7050207.835	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Good	ForestMixed
104235	13/06/2011	MarkHiggins	615703.1669	7050227.104	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
104236	13/06/2011	MarkHiggins	615761.0056	7050225.308	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	40	Dry	Good	ForestMixed
104237	13/06/2011	MarkHiggins	615802.3451	7050213.767	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
104238	13/06/2011	MarkHiggins	615856.5438	7050219.089	UTMZ7N_WGS84	Colluvium	Orange	Silt	SteepE	C	70	Dry	Excellent	ForestMixed
104239	13/06/2011	MarkHiggins	615892.0828	7050213.917	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
104240	13/06/2011	MarkHiggins	615891.7817	7050215.356	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
104241	13/06/2011	MarkHiggins	615947.0299	7050212.354	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
104242	13/06/2011	MarkHiggins	615994.8095	7050221.904	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
104243	14/06/2011	MarkHiggins	613767.4083	7044794.787	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	30	Moist	Good	ForestMixed
104244	14/06/2011	MarkHiggins	613640.554	7044881.585	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	30	Wet	Poor	SubAlpineBrush
104245	14/06/2011	MarkHiggins	613592.337	7044911.2	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	30	Moist	Poor	SubAlpineBrush
104246	14/06/2011	MarkHiggins	613558.9003	7044941.119	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	B	30	Dry	Good	SubAlpineBrush
104247	14/06/2011	MarkHiggins	613516.9552	7044965.271	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	B	30	Moist	Good	SubAlpineBrush
104248	14/06/2011	MarkHiggins	613480.797	7045005.911	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Dry	Good	SubAlpineBrush
104249	14/06/2011	MarkHiggins	613443.7095	7045032.133	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Moist	Good	SubAlpineBrush
104250	14/06/2011	MarkHiggins	613400.2149	7045057.903	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
104251	14/06/2011	MarkHiggins	613363.3474	7045101.753	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	B	30	Moist	Poor	SubAlpineBrush
104252	14/06/2011	MarkHiggins	613327.7937	7045126.916	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
104253	14/06/2011	MarkHiggins	613282.4112	7045149.833	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Dry	Excellent	SubAlpineBrush
104254	14/06/2011	MarkHiggins	613240.7067	7045181.357	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Dry	Good	SubAlpineBrush
104255	14/06/2011	MarkHiggins	613203.5761	7045211.706	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNW	C	40	Wet	Poor	SubAlpineBrush
104256	14/06/2011	MarkHiggins	613159.0237	7045249.151	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	40	Moist	Good	SubAlpineBrush
104257	14/06/2011	MarkHiggins	613122.1178	7045281.628	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateNW	C	70	Dry	Excellent	SubAlpineBrush
104258	14/06/2011	MarkHiggins	613089.0014	7045299.965	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	60	Dry	Good	SubAlpineBrush
104259	14/06/2011	MarkHiggins	613042.4505	7045327.863	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	BurnNew
104260	14/06/2011	MarkHiggins	612997.6816	7045350.471	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	BurnNew
104261	14/06/2011	MarkHiggins	612952.6828	7045373.964	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Moist	Good	BurnNew
104262	14/06/2011	MarkHiggins	612909.166	7045403.421	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	60	Dry	Excellent	BurnNew
104263	14/06/2011	MarkHiggins	612863.9999	7045420.441	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
104264	14/06/2011	MarkHiggins	612826.8963	7045446	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	60	Dry	Excellent	BurnNew
104266	14/06/2011	MarkHiggins	612762.0923	7045480.502	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	BurnNew
104267	14/06/2011	MarkHiggins	612730.0267	7045500.219	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	60	Dry	Excellent	BurnNew
104268	14/06/2011	MarkHiggins	612682.7488	7045530.549	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	BurnNew
104269	14/06/2011	MarkHiggins	612652.3142	7045553.446	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	BurnNew
104270	14/06/2011	MarkHiggins	612607.5352	7045569.481	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	BurnNew
104271	14/06/2011	MarkHiggins	612563.5257	7045589.111	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	40	Dry	Excellent	BurnNew
104272	14/06/2011	MarkHiggins	612514.1747	7045626.06	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	BurnNew
104273	14/06/2011	MarkHiggins	612479.5978	7045639.446	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	60	Dry	Excellent	BurnNew
104274	14/06/2011	MarkHiggins	612425.2543	7045671.202	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	BurnNew
104275	14/06/2011	MarkHiggins	612384.4086	7045692.954	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateNW	C	60	Dry	Excellent	BurnNew
105097	16/06/2011	JoeyTaylor	610012.9163	7048171.438	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	30	Moist	Good	SubAlpineBrush
105098	16/06/2011	JoeyTaylor	610108.428	7048152.666	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Moist	Good	SubAlpineBrush
105099	16/06/2011	JoeyTaylor	610205.1224	7048154.344	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Moist	Good	SubAlpineBrush
105100	16/06/2011	JoeyTaylor	610430.7348	7048165.184	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Wet	Good	SubAlpineFir
105101	16/06/2011	JoeyTaylor	610499.3	7048157.53	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Moist	Good	SubAlpineFir
105102	16/06/2011	JoeyTaylor	610658.8521	7048171.221	UTMZ7N_WGS84	Lacustrian	Grey	Clay	ModerateE	B	40	Moist	Poor	SubAlpineBrush
105103	16/06/2011	JoeyTaylor	610708.1948	7048168.478	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Good	SubAlpineBrush
105104	16/06/2011	JoeyTaylor	610816.6752	7048171.7	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Moist	Good	SubAlpineBrush
105105	16/06/2011	JoeyTaylor	610963.0778	7048180.152	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Good	SubAlpineBrush
105106	16/06/2011	JoeyTaylor	611005.7079	7048167.367	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Good	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
105107	16/06/2011	JoeyTaylor	611047.8734	7048152.225	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Moist	Excellent	ForestBlackSpruce
105108	16/06/2011	JoeyTaylor	611106.5408	7048140.336	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Moist	Excellent	ForestBlackSpruce
105109	16/06/2011	JoeyTaylor	611201.6501	7048119.129	UTMZ7N_WGS84	Colluvium	Red	Sand	ModerateE	C	60	Moist	Excellent	ForestBlackSpruce
105110	16/06/2011	JoeyTaylor	611250.2658	7048108.786	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	70	Dry	Excellent	ForestBlackSpruce
105111	16/06/2011	JoeyTaylor	611295.0025	7048092.734	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	70	Dry	Excellent	ForestBlackSpruce
105112	16/06/2011	JoeyTaylor	611337.4646	7048083.404	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	60	Dry	Excellent	ForestBlackSpruce
105113	16/06/2011	JoeyTaylor	611392.8274	7048062.26	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	55	Dry	Excellent	ForestMixed
105114	16/06/2011	JoeyTaylor	611452.3152	7048066.799	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	50	Dry	Excellent	ForestBlackSpruce
105115	16/06/2011	JoeyTaylor	611452.1087	7048067.014	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	50	Dry	Excellent	ForestBlackSpruce
105116	16/06/2011	JoeyTaylor	611491.1755	7048045.301	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	30	Moist	Good	ForestMixed
105117	16/06/2011	JoeyTaylor	611541.4492	7048028.888	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	40	Dry	Good	ForestMixed
105118	16/06/2011	JoeyTaylor	611593.6063	7048024.028	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	30	Dry	Good	ForestMixed
105119	16/06/2011	JoeyTaylor	611836.4802	7047968.778	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateE	B	40	Moist	Poor	ForestBlackSpruce
105120	16/06/2011	JoeyTaylor	612158.7277	7047820.11	UTMZ7N_WGS84	Lacustrian	Brown	Silt	SteepE	B	60	Frozen	Poor	ForestBlackSpruce
105121	16/06/2011	JoeyTaylor	612293.0328	7047747.572	UTMZ7N_WGS84	Soil	BrownDark	Silt	SteepE	B	40	Frozen	Poor	ForestMixed
105122	16/06/2011	JoeyTaylor	612315.2655	7047723.825	UTMZ7N_WGS84	Lacustrian	Grey	Clay	SteepE	B	70	Dry	Good	ForestMixed
105123	16/06/2011	JoeyTaylor	612358.3327	7047687.767	UTMZ7N_WGS84	TalusFine	BrownDark	Silt	SteepE	B	50	Dry	Good	ForestMixed
106342	22/07/2011	BenDubois	611402.0562	7052036.737	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	40	Dry	Excellent	ForestBlackSpruce
106343	22/07/2011	BenDubois	611441.9273	7052070.029	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
106344	22/07/2011	BenDubois	611486.2099	7052099.351	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Moist	Good	ForestMixed
106345	22/07/2011	BenDubois	611524.4276	7052135.82	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Moist	Excellent	ForestMixed
106346	22/07/2011	BenDubois	611562.0526	7052163.682	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
106347	22/07/2011	BenDubois	611596.8369	7052200.254	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
106348	22/07/2011	BenDubois	611642.4535	7052215.574	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
106349	22/07/2011	BenDubois	611679.9888	7052264.287	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Dry	Excellent	ForestMixed
106350	22/07/2011	BenDubois	611711.6721	7052295.733	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
106351	22/07/2011	BenDubois	611751.8596	7052318.447	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Excellent	ForestMixed
106352	22/07/2011	BenDubois	611789.4224	7052359.245	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Dry	Excellent	ForestMixed
106353	22/07/2011	BenDubois	611842.7407	7052380.081	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Moist	Excellent	ForestBlackSpruce
106354	22/07/2011	BenDubois	611851.4725	7052432.576	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	B	60	Moist	Good	ForestMixed
106355	22/07/2011	BenDubois	611898.9932	7052451.536	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	B	90	Moist	Poor	ForestBlackSpruce
106356	22/07/2011	BenDubois	611938.3809	7052488.386	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	40	Moist	Excellent	ForestBlackSpruce
106357	22/07/2011	BenDubois	611983.1547	7052516.171	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	80	Frozen	Excellent	ForestMixed
106358	22/07/2011	BenDubois	612010.1395	7052549.685	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	B	80	Moist	Good	ForestMixed
106359	22/07/2011	BenDubois	612049.8495	7052578.742	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	60	Moist	Excellent	ForestMixed
106360	22/07/2011	BenDubois	612093.9426	7052620.109	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	40	Dry	Excellent	ForestMixed
106361	22/07/2011	BenDubois	612136.312	7052648.369	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
106362	22/07/2011	BenDubois	612163.0522	7052676.077	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Excellent	ForestMixed
106363	22/07/2011	BenDubois	612207.3953	7052706.081	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	70	Moist	Good	ForestMixed
106364	22/07/2011	BenDubois	612253.189	7052738.589	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	70	Moist	Poor	ForestMixed
106365	22/07/2011	BenDubois	612285.9391	7052769.076	UTMZ7N_WGS84	Alluvium	BrownDark	Silt	Flat	B	40	Moist	Poor	ForestMixed
106366	22/07/2011	BenDubois	612365.2738	7052841.915	UTMZ7N_WGS84	Lacustrian	Grey	Silt	Flat	B	60	Frozen	Good	ForestMixed
106367	22/07/2011	BenDubois	612393.4429	7052878.262	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	B	60	Frozen	Good	ForestMixed
106368	22/07/2011	BenDubois	612439.9571	7052914.145	UTMZ7N_WGS84		BrownDark	Silt	Flat	B	85	Frozen	Excellent	ForestMixed
106369	22/07/2011	BenDubois	612474.064	7052939.886	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	80	Frozen	Good	ForestMixed
106370	22/07/2011	BenDubois	612520.5937	7052983.688	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	80	Moist	Good	ForestBlackSpruce
106371	22/07/2011	BenDubois	612559.7781	7053016.079	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
106372	22/07/2011	BenDubois	612594.0797	7053030.677	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Dry	Excellent	ForestAspen
106373	22/07/2011	BenDubois	612628.0095	7053071.134	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Dry	Excellent	ForestAspen
106374	22/07/2011	BenDubois	612673.9414	7053095.291	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Dry	Excellent	ForestAspen
106375	22/07/2011	BenDubois	612709.8309	7053126.674	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Dry	Excellent	ForestAspen

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
106376	22/07/2011	BenDubois	612746.0377	7053163.088	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	60	Dry	Excellent	ForestAspen
106377	23/07/2011	BenDubois	610631.2469	7052948.81	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Dry	Excellent	ForestMixed
106378	23/07/2011	BenDubois	610677.3882	7052993.016	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	60	Dry	Excellent	ForestMixed
106379	23/07/2011	BenDubois	610711.634	7053017.963	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	60	Moist	Excellent	ForestMixed
106380	23/07/2011	BenDubois	610752.5484	7053051.06	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Poor	ForestBlackSpruce
106381	23/07/2011	BenDubois	610784.9256	7053083.971	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	120	Moist	Excellent	ForestMixed
106382	23/07/2011	BenDubois	610818.4246	7053121.716	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNW	B	120	Dry	Excellent	ForestMixed
106383	23/07/2011	BenDubois	610867.795	7053151.542	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNW	C	60	Dry	Excellent	ForestMixed
106384	23/07/2011	BenDubois	610908.7878	7053182.302	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateNW	C	50	Dry	Excellent	ForestMixed
106385	23/07/2011	BenDubois	610935.7968	7053215.25	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Dry	Excellent	ForestMixed
106386	23/07/2011	BenDubois	610982.5483	7053243.202	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	60	Moist	Excellent	ForestBlackSpruce
106387	23/07/2011	BenDubois	611027.898	7053277.127	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	40	Dry	Excellent	ForestMixed
106388	23/07/2011	BenDubois	611051.6991	7053310.856	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Dry	Excellent	ForestAspen
106389	23/07/2011	BenDubois	611098.1856	7053337.796	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	ForestAspen
106391	23/07/2011	BenDubois	611139.9374	7053368.028	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	ForestAspen
106392	23/07/2011	BenDubois	611165.3684	7053403.377	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	ForestAspen
106393	23/07/2011	BenDubois	611213.4365	7053434.723	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Dry	Excellent	ForestMixed
106394	23/07/2011	BenDubois	611249.2289	7053470.547	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	80	Dry	Excellent	ForestMixed
106395	23/07/2011	BenDubois	611288.3153	7053508.717	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	60	Dry	Excellent	ForestMixed
106396	23/07/2011	BenDubois	611319.0165	7053539.568	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Dry	Excellent	ForestMixed
106397	23/07/2011	BenDubois	611361.2167	7053575.283	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	70	Moist	Excellent	ForestMixed
106398	23/07/2011	BenDubois	611395.4705	7053603.917	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateN	B	80	Dry	Excellent	ForestBlackSpruce
106399	23/07/2011	BenDubois	611436.9167	7053622.881	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateN	B	40	Moist	Good	ForestMixed
106400	23/07/2011	BenDubois	611558.0528	7053719.916	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	80	Dry	Excellent	ForestMixed
106401	23/07/2011	BenDubois	611591.0709	7053760.999	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
106402	23/07/2011	BenDubois	611623.522	7053795.595	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Dry	Excellent	ForestAspen
106403	23/07/2011	BenDubois	611671.2142	7053826.044	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNE	C	60	Dry	Excellent	ForestMixed
106404	23/07/2011	BenDubois	611709.8083	7053862.417	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateNE	C	40	Dry	Excellent	ForestAspen
106405	23/07/2011	BenDubois	611746.3886	7053885.451	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNE	C	70	Dry	Excellent	ForestAspen
106406	23/07/2011	BenDubois	611782.7029	7053914.609	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateNE	C	40	Dry	Good	ForestMixed
106407	23/07/2011	BenDubois	611820.1306	7053962.875	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNE	C	120	Dry	Excellent	ForestMixed
106408	23/07/2011	BenDubois	611860.8169	7053990.515	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	100	Dry	Excellent	ForestMixed
106409	23/07/2011	BenDubois	611905.0806	7054011.034	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	B	60	Moist	Good	ForestBlackSpruce
106410	23/07/2011	BenDubois	611938.9451	7054049.028	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	40	Moist	Poor	ForestBlackSpruce
106411	23/07/2011	BenDubois	611973.8678	7054073.901	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	50	Frozen	Good	ForestBlackSpruce
107196	12/06/2011	RandyCampbell	620369.0064	7044296.719	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	20	Moist	Poor	ForestMixed
107197	12/06/2011	RandyCampbell	620405.503	7044334.122	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	20	Moist	Poor	ForestMixed
107198	12/06/2011	RandyCampbell	620431.9464	7044384.416	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	B	30	Moist	Poor	ForestMixed
107199	12/06/2011	RandyCampbell	620452.3125	7044433.365	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	30	Moist	Poor	ForestMixed
107200	12/06/2011	RandyCampbell	620472.139	7044475.491	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	20	Moist	Poor	ForestMixed
107201	12/06/2011	RandyCampbell	620503.6192	7044515.047	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	60	Moist	Good	ForestMixed
107202	12/06/2011	RandyCampbell	620525.8912	7044549.124	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Frozen	Good	ForestMixed
107203	12/06/2011	RandyCampbell	620556.5756	7044599.134	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Moist	Good	ForestMixed
107204	12/06/2011	RandyCampbell	620577.6111	7044639.522	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	60	Moist	Good	ForestMixed
107205	12/06/2011	RandyCampbell	620576.4364	7044686.318	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
107206	12/06/2011	RandyCampbell	620579.739	7044738.525	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	50	Moist	Excellent	ForestMixed
107207	12/06/2011	RandyCampbell	620572.298	7044783.745	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Moist	Excellent	ForestMixed
107208	12/06/2011	RandyCampbell	620564.997	7044830.532	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
107209	12/06/2011	RandyCampbell	620567.6637	7044885.057	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	B	40	Dry	Good	ForestMixed
107210	12/06/2011	RandyCampbell	620564.4835	7044930.885	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	80	Moist	Excellent	ForestMixed
107211	12/06/2011	RandyCampbell	620553.7551	7044984.011	UTMZ7N_WGS84	Colluvium	RustyOrange	Clay	Ridge	C	60	Moist	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
107212	12/06/2011	RandyCampbell	620552.5103	7045036.603	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
107213	12/06/2011	RandyCampbell	620555.782	7045090.928	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Moist	Excellent	ForestMixed
107214	12/06/2011	RandyCampbell	620554.4969	7045135.378	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestMixed
107215	12/06/2011	RandyCampbell	620554.5921	7045135.493	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestMixed
107216	12/06/2011	RandyCampbell	620548.5534	7045192.365	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Moist	Good	ForestMixed
107217	12/06/2011	RandyCampbell	620545.8143	7045235.756	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Good	ForestMixed
107218	12/06/2011	RandyCampbell	620552.0856	7045284.507	UTMZ7N_WGS84	Soil	Brown	Clay	Ridge	B	40	Moist	Good	ForestMixed
107219	12/06/2011	RandyCampbell	620572.8004	7045331.909	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
107220	12/06/2011	RandyCampbell	620603.1211	7045372.873	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
107221	12/06/2011	RandyCampbell	620637.6881	7045402.956	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Moist	Excellent	ForestMixed
107222	12/06/2011	RandyCampbell	620675.1687	7045425.79	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Moist	Good	ForestMixed
107223	12/06/2011	RandyCampbell	620719.4811	7045456.244	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	C	50	Moist	Excellent	ForestMixed
107224	12/06/2011	RandyCampbell	620761.6037	7045487.954	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist	Good	ForestMixed
107225	12/06/2011	RandyCampbell	620803.0491	7045515.178	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
107226	12/06/2011	RandyCampbell	620851.9308	7045544.58	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
107227	12/06/2011	RandyCampbell	620876.051	7045579.512	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	40	Moist	Good	ForestMixed
107228	12/06/2011	RandyCampbell	620909.0272	7045608.088	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Moist	Good	ForestMixed
107229	12/06/2011	RandyCampbell	620998.7961	7045660.906	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	70	Moist	Excellent	ForestMixed
107230	12/06/2011	RandyCampbell	621039.818	7045699.158	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	40	Moist	Good	ForestMixed
107231	12/06/2011	RandyCampbell	621072.6101	7045736.429	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateN	B	30	Moist	Poor	ForestMixed
107232	12/06/2011	RandyCampbell	621117.7809	7045766.364	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Moist	Good	ForestMixed
107233	12/06/2011	RandyCampbell	621156.2753	7045781.993	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateN	B	30	Moist	Poor	ForestMixed
107234	12/06/2011	RandyCampbell	621192.3379	7045824.854	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	40	Moist	Good	ForestMixed
107235	12/06/2011	RandyCampbell	621232.747	7045852.936	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	ForestMixed
107236	12/06/2011	RandyCampbell	621269.6815	7045887.244	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	70	Dry	Excellent	ForestMixed
107237	12/06/2011	RandyCampbell	621313.7419	7045899.184	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	80	Dry	Excellent	ForestMixed
107238	12/06/2011	RandyCampbell	621343.946	7045946.731	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	ForestMixed
107239	12/06/2011	RandyCampbell	621391.5821	7045979.775	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateS	C	80	Moist	Excellent	ForestMixed
107240	12/06/2011	RandyCampbell	621390.3221	7045980.173	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateS	C	80	Moist	Excellent	ForestMixed
107241	12/06/2011	RandyCampbell	621433.2564	7045998.094	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	40	Moist	Good	ForestMixed
107242	12/06/2011	RandyCampbell	621467.1545	7046036.192	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	60	Moist	Excellent	ForestMixed
107243	12/06/2011	RandyCampbell	621517.0931	7046063.638	UTMZ7N_WGS84	Colluvium	Red	Silt	SteepS	B	30	Dry	Good	ForestMixed
107244	12/06/2011	RandyCampbell	621632.8487	7046110.776	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
107245	12/06/2011	RandyCampbell	621673.8046	7046151.711	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
107246	12/06/2011	RandyCampbell	621705.1397	7046175.996	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	40	Moist	Poor	ForestMixed
107247	12/06/2011	RandyCampbell	621729.8933	7046201.813	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	30	Moist	Poor	ForestMixed
107248	13/06/2011	RandyCampbell	617889.5629	7050288.76	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	60	Moist	Excellent	ForestBlackSpruce
107249	13/06/2011	RandyCampbell	617839.118	7050320.345	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	80	Dry	Excellent	ForestMixed
107250	13/06/2011	RandyCampbell	617809.1475	7050361.611	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	50	Dry	Excellent	ForestMixed
107251	13/06/2011	RandyCampbell	617784.0967	7050393.581	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	70	Dry	Excellent	ForestBlackSpruce
107252	13/06/2011	RandyCampbell	617734.5114	7050430.218	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	60	Dry	Excellent	ForestBlackSpruce
107253	13/06/2011	RandyCampbell	617714.4313	7050466.276	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	60	Dry	Excellent	ForestBlackSpruce
107254	13/06/2011	RandyCampbell	617672.8618	7050501.314	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	80	Dry	Excellent	ForestMixed
107255	13/06/2011	RandyCampbell	617645.2731	7050533.414	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	80	Dry	Excellent	ForestMixed
107256	13/06/2011	RandyCampbell	617599.7212	7050569.979	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	50	Frozen	Good	ForestMixed
107257	13/06/2011	RandyCampbell	617571.4387	7050602.054	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	C	60	Moist	Good	ForestMixed
107258	13/06/2011	RandyCampbell	617537.1051	7050641.823	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	80	Frozen	Good	ForestMixed
107259	13/06/2011	RandyCampbell	617491.0548	7050674.467	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	80	Dry	Excellent	ForestMixed
107260	13/06/2011	RandyCampbell	617490.1738	7050675.438	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	80	Dry	Good	ForestMixed
107261	13/06/2011	RandyCampbell	617460.9907	7050703.689	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	80	Frozen	Good	ForestMixed
107262	13/06/2011	RandyCampbell	617419.8172	7050745.659	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	50	Moist	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
107263	13/06/2011	RandyCampbell	617390.718	7050773.022	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	70	Frozen	Good	ForestMixed
107264	13/06/2011	RandyCampbell	617319.6541	7050801.956	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
107265	13/06/2011	RandyCampbell	617317.0569	7050846.691	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateW	C	90	Moist	Good	ForestMixed
107266	13/06/2011	RandyCampbell	617361.5084	7051001.117	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	50	Frozen	Poor	ForestMixed
107267	13/06/2011	RandyCampbell	617378.3268	7051038.318	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Moist	Excellent	ForestMixed
107268	13/06/2011	RandyCampbell	617381.8292	7051123.761	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Frozen	Good	ForestMixed
107269	13/06/2011	RandyCampbell	617372.9367	7051176.07	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	50	Moist	Good	ForestMixed
107270	13/06/2011	RandyCampbell	617375.5586	7051219.437	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Moist	Excellent	ForestBlackSpruce
107271	14/06/2011	RandyCampbell	613485.9446	7046958.031	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Moist	Good	ForestMixed
107272	14/06/2011	RandyCampbell	613466.6641	7046908.389	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Dry	Good	ForestMixed
107273	14/06/2011	RandyCampbell	613430.281	7046872.187	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Moist	Good	ForestMixed
107274	14/06/2011	RandyCampbell	613385.5728	7046844.722	UTMZ7N_WGS84	Colluvium	Red	Silt	Ridge	C	50	Moist	Good	ForestMixed
107275	14/06/2011	RandyCampbell	613375.1845	7046780.12	UTMZ7N_WGS84	Colluvium	Red	Silt	Ridge	C	60	Moist	Good	ForestMixed
107276	14/06/2011	RandyCampbell	613345.3368	7046723.857	UTMZ7N_WGS84	Colluvium	Red	Silt	Ridge	C	50	Dry	Good	ForestMixed
107277	14/06/2011	RandyCampbell	613333.757	7046671.702	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
107278	14/06/2011	RandyCampbell	613317.6481	7046629.31	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	30	Dry	Good	ForestMixed
107279	14/06/2011	RandyCampbell	613320.4319	7046581.905	UTMZ7N_WGS84	Colluvium	Red	Silt	ModerateE	C	60	Moist	Good	ForestMixed
107280	14/06/2011	RandyCampbell	613326.6095	7046530.048	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Good	ForestMixed
107281	14/06/2011	RandyCampbell	613321.2365	7046479.675	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Moist	Good	ForestMixed
107282	14/06/2011	RandyCampbell	613348.179	7046442.944	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	40	Dry	Good	ForestMixed
107283	14/06/2011	RandyCampbell	613383.1222	7046382.856	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	60	Frozen	Good	ForestMixed
107284	14/06/2011	RandyCampbell	613376.6031	7046343.706	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Moist	Good	ForestMixed
107285	14/06/2011	RandyCampbell	613397.503	7046290.813	UTMZ7N_WGS84	Colluvium	Red	Silt	ModerateE	C	50	Dry	Good	ForestMixed
107286	14/06/2011	RandyCampbell	613409.301	7046255.883	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Good	ForestMixed
107287	14/06/2011	RandyCampbell	613295.7736	7046827.025	UTMZ7N_WGS84	Colluvium	Red	Silt	Ridge	C	60	Moist	Good	ForestMixed
107288	14/06/2011	RandyCampbell	613239.2041	7046840.511	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Frozen	Poor	ForestMixed
107289	14/06/2011	RandyCampbell	613189.7182	7046846.556	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Frozen	Poor	ForestMixed
107291	14/06/2011	RandyCampbell	613155.3656	7046874.885	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Poor	ForestMixed
107292	14/06/2011	RandyCampbell	613108.5191	7046855.711	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	30	Frozen	Poor	ForestMixed
107293	14/06/2011	RandyCampbell	613032.6082	7046858.923	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	30	Moist	Poor	ForestMixed
107294	14/06/2011	RandyCampbell	612996.5546	7046872.138	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	C	60	Dry	Good	ForestMixed
107295	14/06/2011	RandyCampbell	612905.9667	7046890.666	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	50	Moist	Good	ForestMixed
107296	14/06/2011	RandyCampbell	612857.9638	7046888.628	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	40	Dry	Poor	ForestMixed
107297	14/06/2011	RandyCampbell	612758.1421	7046898.135	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	40	Moist	Poor	ForestMixed
107298	14/06/2011	RandyCampbell	612663.9329	7046912.192	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	40	Dry	Poor	ForestMixed
107299	14/06/2011	RandyCampbell	612609.5234	7046919.633	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	50	Moist	Good	ForestMixed
108264	11/06/2011	BenDubois	623415.3469	7043766.252	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
108265	11/06/2011	BenDubois	623414.3929	7043766.438	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
108266	11/06/2011	BenDubois	623394.586	7043806.937	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	70	Dry	Excellent	ForestMixed
108267	11/06/2011	BenDubois	623387.6242	7043864.439	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	70	Dry	Excellent	SubAlpineBrush
108268	11/06/2011	BenDubois	623392.4626	7043900.316	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Moist	Good	ForestMixed
108269	11/06/2011	BenDubois	623378.8101	7043976.185	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateN	C	60	Moist	Good	ForestMixed
108270	11/06/2011	BenDubois	623361.6395	7044018.124	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateN	C	50	Moist	Good	ForestMixed
108271	11/06/2011	BenDubois	623348.2207	7044066.119	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateN	C	30	Moist	Poor	ForestMixed
108272	11/06/2011	BenDubois	623338.908	7044116.17	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateN	C	60	Moist	Good	ForestMixed
108273	11/06/2011	BenDubois	623335.835	7044160.774	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateN	C	50	Moist	Good	ForestMixed
108274	11/06/2011	BenDubois	623322.5758	7044216.248	UTMZ7N_WGS84	Soil	BrownDark	Sand	Flat	C	70	Dry	Good	ForestBlackSpruce
108275	11/06/2011	BenDubois	623308.6969	7044259.43	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	C	80	Dry	Good	ForestBlackSpruce
108276	11/06/2011	BenDubois	623302.4254	7044322.313	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	C	90	Dry	Good	ForestBlackSpruce
108277	11/06/2011	BenDubois	623291.9548	7044357.262	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	70	Dry	Good	ForestMixed
108278	11/06/2011	BenDubois	623291.6458	7044414.13	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	70	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108279	11/06/2011	BenDubois	623276.5764	7044458.493	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	40	Dry	Good	ForestMixed
108280	11/06/2011	BenDubois	623262.6604	7044505.242	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	70	Moist	Excellent	ForestMixed
108281	11/06/2011	BenDubois	623247.8773	7044549.951	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateSE	C	50	Moist	Excellent	ForestMixed
108282	11/06/2011	BenDubois	623229.935	7044595.207	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateS	C	70	Frozen	Good	ForestMixed
108283	11/06/2011	BenDubois	623209.0043	7044640.458	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Moist	Good	ForestMixed
108284	11/06/2011	BenDubois	623209.9788	7044682.208	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	30	Moist	Good	ForestMixed
108285	11/06/2011	BenDubois	623197.6776	7044742.627	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepS	C	50	Dry	Good	ForestMixed
108286	11/06/2011	BenDubois	623190.0791	7044779.36	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepS	C	40	Moist	Good	ForestMixed
108287	11/06/2011	BenDubois	623194.9013	7044840.107	UTMZ7N_WGS84	Colluvium	Red	Silt	Ridge	C	20	Moist	Good	ForestMixed
108288	12/06/2011	BenDubois	621560.6036	7046149.838	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Moist	Good	SubAlpineBrush
108289	12/06/2011	BenDubois	621548.8591	7046197.903	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Moist	Good	SubAlpineBrush
108290	12/06/2011	BenDubois	621548.967	7046197.684	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Moist	Good	SubAlpineBrush
108291	12/06/2011	BenDubois	621535.1105	7046245	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Moist	Good	ForestMixed
108292	12/06/2011	BenDubois	621523.6157	7046300.882	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	30	Moist	Poor	SubAlpineBrush
108293	12/06/2011	BenDubois	621514.8077	7046342.479	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Good	SubAlpineBrush
108294	12/06/2011	BenDubois	621494.4597	7046373.376	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Moist	Good	SubAlpineBrush
108295	12/06/2011	BenDubois	621479.3018	7046435.252	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Moist	Good	SubAlpineBrush
108296	12/06/2011	BenDubois	621469.1745	7046487.952	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Excellent	SubAlpineBrush
108297	12/06/2011	BenDubois	621460.0424	7046531.545	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Good	SubAlpineBrush
108298	12/06/2011	BenDubois	621436.7413	7046572.032	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Moist	Good	SubAlpineBrush
108299	12/06/2011	BenDubois	621405.711	7046607.651	UTMZ7N_WGS84	Colluvium	Black	Sand	ModerateNE	C	80	Moist	Excellent	SubAlpineBrush
108300	12/06/2011	BenDubois	621379.843	7046660.643	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	60	Dry	Good	SubAlpineBrush
108301	12/06/2011	BenDubois	621359.9711	7046703.938	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Dry	Poor	ForestMixed
108302	12/06/2011	BenDubois	621327.3194	7046739.05	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Moist	Good	ForestMixed
108303	12/06/2011	BenDubois	621308.8316	7046791.766	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	60	Moist	Good	ForestMixed
108304	12/06/2011	BenDubois	621279.8597	7046827.019	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	30	Moist	Excellent	ForestMixed
108305	12/06/2011	BenDubois	621266.9334	7046882.735	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	50	Moist	Good	ForestMixed
108306	12/06/2011	BenDubois	621241.9268	7046931.523	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	30	Moist	Good	ForestMixed
108307	12/06/2011	BenDubois	621213.0767	7046980.61	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	60	Dry	Good	ForestMixed
108308	12/06/2011	BenDubois	621202.7864	7047027.282	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Moist	Good	ForestBlackSpruce
108309	12/06/2011	BenDubois	621182.7393	7047067.448	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
108310	12/06/2011	BenDubois	621179.66	7047119.525	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	30	Moist	Good	ForestMixed
108311	12/06/2011	BenDubois	621163.7063	7047168.547	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	30	Dry	Good	ForestMixed
108312	12/06/2011	BenDubois	621147.4281	7047219.563	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	30	Dry	Good	ForestMixed
108313	12/06/2011	BenDubois	621116.5741	7047253.407	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	40	Moist	Good	ForestMixed
108314	12/06/2011	BenDubois	621115.8735	7047300.556	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Moist	Good	ForestMixed
108315	12/06/2011	BenDubois	621109.478	7047301.205	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Good	ForestMixed
108316	12/06/2011	BenDubois	621091.8988	7047358.975	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	30	Dry	Good	ForestMixed
108317	12/06/2011	BenDubois	621077.3977	7047411.733	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Good	ForestAspen
108318	12/06/2011	BenDubois	621056.288	7047444.61	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	30	Moist	Good	ForestMixed
108319	12/06/2011	BenDubois	621036.1709	7047498.492	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
108320	12/06/2011	BenDubois	621039.1115	7047536.3	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Moist	Good	ForestAspen
108321	12/06/2011	BenDubois	620968.3982	7047621.157	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
108322	12/06/2011	BenDubois	620942.62	7047648.616	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Moist	Good	ForestMixed
108323	12/06/2011	BenDubois	620895.6918	7047672.147	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	ForestMixed
108324	12/06/2011	BenDubois	620873.6631	7047718.82	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Good	ForestMixed
108325	12/06/2011	BenDubois	620829.3546	7047731.077	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
108326	12/06/2011	BenDubois	620798.4725	7047778.975	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Moist	Good	ForestMixed
108327	13/06/2011	BenDubois	617880.3051	7048067.245	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Moist	Excellent	ForestMixed
108328	13/06/2011	BenDubois	617846.0012	7048110.805	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Moist	Good	ForestMixed
108329	13/06/2011	BenDubois	617821.7025	7048162.319	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	30	Moist	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108330	13/06/2011	BenDubois	617790.3107	7048203.869	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Moist	Good	ForestMixed
108331	13/06/2011	BenDubois	617755.1608	7048248.848	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Flat	C	40	Moist	Good	ForestAspen
108332	13/06/2011	BenDubois	617721.2098	7048274.913	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Flat	C	30	Moist	Good	ForestMixed
108333	13/06/2011	BenDubois	617693.5767	7048323.851	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	ForestMixed
108334	13/06/2011	BenDubois	617655.9338	7048348.888	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry	Excellent	ForestMixed
108335	13/06/2011	BenDubois	617624.6895	7048382.526	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Moist	Good	ForestMixed
108336	13/06/2011	BenDubois	617577.9565	7048409.904	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	30	Moist	Good	ForestMixed
108337	13/06/2011	BenDubois	617551.1692	7048448.169	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	40	Moist	Good	ForestMixed
108338	13/06/2011	BenDubois	617514.1308	7048481.148	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	40	Moist	Good	ForestBlackSpruce
108339	13/06/2011	BenDubois	617471.6462	7048520.171	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Moist	Good	ForestBlackSpruce
108340	13/06/2011	BenDubois	617471.344	7048520.271	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	80	Moist	Good	ForestMixed
108341	13/06/2011	BenDubois	617429.6453	7048551.518	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	30	Moist	Good	ForestBlackSpruce
108342	13/06/2011	BenDubois	617386.0156	7048571.764	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Moist	Good	ForestMixed
108343	13/06/2011	BenDubois	617362.4073	7048627.768	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Moist	Good	ForestMixed
108344	13/06/2011	BenDubois	617334.9254	7048668.796	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	20	Moist	Poor	ForestMixed
108345	13/06/2011	BenDubois	617289.2945	7048705.587	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
108346	13/06/2011	BenDubois	617277.9825	7048742.528	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
108347	13/06/2011	BenDubois	617239.3214	7048783.257	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Good	ForestBlackSpruce
108348	13/06/2011	BenDubois	617205.8883	7048819.829	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Excellent	ForestMixed
108349	13/06/2011	BenDubois	617170.4464	7048863.688	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Excellent	ForestMixed
108350	13/06/2011	BenDubois	617148.7424	7048901.92	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
108351	13/06/2011	BenDubois	617131.3908	7048931.391	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Moist	Good	ForestMixed
108352	13/06/2011	BenDubois	617092.607	7048976.912	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Excellent	ForestMixed
108353	13/06/2011	BenDubois	617064.9786	7049019.387	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Excellent	ForestBlackSpruce
108354	13/06/2011	SteveCrowell	617038.1475	7049055.088	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry		
108355	13/06/2011	BenDubois	616990.8334	7049094.609	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
108356	13/06/2011	BenDubois	616964.62	7049140.594	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Moist	Poor	ForestMixed
108357	13/06/2011	BenDubois	616935.1399	7049182.109	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
108358	13/06/2011	BenDubois	616904.635	7049225.818	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Excellent	ForestMixed
108359	13/06/2011	BenDubois	616871.1	7049266.739	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Dry	Excellent	
108360	13/06/2011	BenDubois	616843.4654	7049290.592	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Moist	Good	ForestMixed
108361	13/06/2011	BenDubois	616810.9236	7049327.535	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	40	Moist	Good	ForestBlackSpruce
108362	13/06/2011	BenDubois	616787.4641	7049377.191	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	65	Frozen	Good	ForestBlackSpruce
108363	13/06/2011	BenDubois	616754.6174	7049394.05	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	60	Frozen	Good	ForestBlackSpruce
108364	13/06/2011	BenDubois	616720.9427	7049448.35	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	35	Wet	Poor	ForestBlackSpruce
108365	13/06/2011	BenDubois	616658.2718	7049525.785	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	50	Frozen	Poor	ForestBlackSpruce
108366	13/06/2011	BenDubois	616623.5762	7049567.334	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	35	Frozen	Poor	ForestBlackSpruce
108367	14/06/2011	BenDubois	613308.8351	7050305.055	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	40	Dry	Good	ForestMixed
108368	14/06/2011	BenDubois	613349.7784	7050268.044	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	40	Dry	Good	ForestMixed
108369	14/06/2011	BenDubois	613394.1583	7050240.634	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Moist	Excellent	ForestMixed
108370	14/06/2011	BenDubois	613434.4705	7050186.539	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Good	ForestMixed
108371	14/06/2011	BenDubois	613482.0193	7050174.856	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	80	Moist	Excellent	ForestMixed
108372	14/06/2011	BenDubois	613513.0738	7050126.676	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
108373	14/06/2011	BenDubois	613547.0828	7050104.361	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateSE	C	60	Moist	Good	ForestMixed
108374	14/06/2011	BenDubois	613588.8561	7050062.364	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	C	50	Moist	Good	ForestMixed
108375	14/06/2011	BenDubois	613627.3322	7050031.958	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
108376	14/06/2011	BenDubois	613655.4596	7050010.104	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSE	C	60	Moist	Excellent	ForestMixed
108377	14/06/2011	BenDubois	613698.3571	7049974.282	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	80	Moist	Good	ForestMixed
108378	14/06/2011	BenDubois	613740.0897	7049951.577	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Moist	Good	ForestMixed
108379	14/06/2011	BenDubois	613772.5129	7049916.718	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	50	Dry	Good	ForestMixed
108380	14/06/2011	BenDubois	613814.1586	7049886.763	UTMZ7N_WGS84	Soil	Black	Silt	Flat	C	70	Moist	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108381	14/06/2011	BenDubois	613844.9118	7049845.824	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	40	Dry	Good	ForestMixed
108382	14/06/2011	BenDubois	613892.2614	7049819.084	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
108383	14/06/2011	BenDubois	613933.7245	7049790.127	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	50	Dry	Good	ForestMixed
108384	14/06/2011	BenDubois	613965.91	7049750.913	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
108385	14/06/2011	BenDubois	613984.6142	7049702.183	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateSE	C	80	Dry	Good	ForestMixed
108386	14/06/2011	BenDubois	614001.9831	7049667.121	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
108387	14/06/2011	BenDubois	614012.4528	7049615.085	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateSE	C	80	Dry	Excellent	ForestMixed
108388	14/06/2011	BenDubois	614030.697	7049577.824	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
108389	14/06/2011	BenDubois	614048.0833	7049522.914	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	B	30	Dry	Poor	ForestMixed
108391	14/06/2011	BenDubois	614070.3526	7049470.52	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateSE	C	50	Dry	Good	ForestMixed
108392	14/06/2011	BenDubois	614079.3926	7049422.336	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	50	Dry	Good	ForestMixed
108393	14/06/2011	BenDubois	614101.4727	7049376.626	UTMZ7N_WGS84	Soil	Green	Silt	ModerateSE	C	80	Dry	Excellent	ForestMixed
108394	14/06/2011	BenDubois	614107.7853	7049321.318	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	C	60	Dry	Good	ForestBlackSpruce
108395	14/06/2011	BenDubois	614128.6984	7049274.898	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateSE	B	60	Moist	Good	ForestBlackSpruce
108396	14/06/2011	BenDubois	614142.8651	7049228.013	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	40	Moist	Good	ForestBlackSpruce
108397	14/06/2011	BenDubois	614154.1211	7049183.254	UTMZ7N_WGS84									
109126	16/06/2011	IanLauzon	610790.2799	7051372.02	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	C	25	Dry	Good	ForestAspen
109127	16/06/2011	IanLauzon	610776.4697	7051416.031	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
109128	16/06/2011	IanLauzon	610757.1234	7051460.629	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109129	16/06/2011	IanLauzon	610732.0553	7051504.025	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109130	16/06/2011	IanLauzon	610721.0499	7051558.839	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
109131	16/06/2011	IanLauzon	610700.8963	7051602.406	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
109132	16/06/2011	IanLauzon	610686.7102	7051652.983	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109133	16/06/2011	IanLauzon	610650.2541	7051739.471	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Moist	Good	ForestMixed
109134	16/06/2011	IanLauzon	610633.5828	7051798.659	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109135	16/06/2011	IanLauzon	610619.4557	7051829.055	UTMZ7N_WGS84	Regolith	RustyOrange	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109136	16/06/2011	IanLauzon	610614.6748	7051884.979	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Wet	Poor	ForestMixed
109137	16/06/2011	IanLauzon	610592.0787	7051933.144	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateN	C	50	Dry	Excellent	ForestBlackSpruce
109138	16/06/2011	IanLauzon	610567.6518	7051979.686	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	30	Wet	Poor	ForestMixed
109139	16/06/2011	IanLauzon	610514.1553	7052113.419	UTMZ7N_WGS84	Regolith	RustyOrange	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109140	16/06/2011	IanLauzon	610513.4691	7052111.723	UTMZ7N_WGS84	Regolith	RustyOrange	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109141	16/06/2011	IanLauzon	610502.9239	7052164.881	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
109142	16/06/2011	IanLauzon	610486.157	7052218.379	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
109143	16/06/2011	IanLauzon	610472.8113	7052256.386	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109144	16/06/2011	IanLauzon	610446.7036	7052305.657	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Moist	Good	ForestMixed
109145	16/06/2011	IanLauzon	610426.2896	7052351.223	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	60	Moist	Good	ForestMixed
109146	16/06/2011	IanLauzon	610421.616	7052398.453	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
109147	16/06/2011	IanLauzon	610422.923	7052453.696	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	40	Moist	Good	ForestMixed
109148	16/06/2011	IanLauzon	610417.399	7052499.669	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109149	16/06/2011	IanLauzon	610391.5565	7052542.816	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
109150	16/06/2011	IanLauzon	610388.9549	7052591.902	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109151	16/06/2011	IanLauzon	610376.7575	7052635.524	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109152	16/06/2011	IanLauzon	610367.5167	7052696.98	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
109153	16/06/2011	IanLauzon	610357.9999	7052746.382	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	40	Wet	Good	ForestMixed
109154	16/06/2011	IanLauzon	610352.1677	7052792.679	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	30	Moist	Good	ForestMixed
109155	16/06/2011	IanLauzon	610349.1537	7052850.783	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Wet	Poor	ForestMixed
109156	16/06/2011	IanLauzon	610328.8137	7052947.201	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Wet	Poor	ForestMixed
110071	11/06/2011	JoelDemers	623131.4062	7041781.76	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	C	40	Dry	Good	AlpineBare
110072	11/06/2011	JoelDemers	623140.328	7041879.915	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	40	Dry	Good	AlpineBare
110073	11/06/2011	JoelDemers	623154.755	7041938.802	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	50	Dry	Excellent	AlpineBare
110074	11/06/2011	JoelDemers	623067.1533	7042619.088	UTMZ7N_WGS84	Regolith	BrownDark	Silt	ModerateN	B	30	Wet	Poor	AlpineBare

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
110075	11/06/2011	JoelDemers	622998.8235	7042707.903	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Wet	Poor	AlpineBare
110076	11/06/2011	JoelDemers	622967.8163	7042749.31	UTMZ7N_WGS84	Colluvium	BrownDark		ModerateN	B	30	Wet	Poor	AlpineBare
110077	11/06/2011	JoelDemers	622923.1209	7042829.001	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Moist	Poor	AlpineBare
110078	11/06/2011	JoelDemers	622892.7518	7042884.931	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Wet	Poor	AlpineBare
110079	11/06/2011	JoelDemers	622818.582	7043025.943	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Wet	Good	AlpineBare
110080	11/06/2011	JoelDemers	622807.2389	7043079.708	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Wet	Poor	AlpineBare
110081	11/06/2011	JoelDemers	622785.395	7043124.035	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Moist	Poor	AlpineBare
110082	11/06/2011	JoelDemers	622755.9041	7043184.462	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	ForestBlackSpruce
110083	11/06/2011	JoelDemers	622414.916	7043935.081	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Excellent	ForestBlackSpruce
110084	11/06/2011	JoelDemers	622401.5729	7044038.512	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Excellent	ForestFir
110085	11/06/2011	JoelDemers	622370.3021	7044132.666	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Moist	Excellent	ForestBlackSpruce
110086	11/06/2011	JoelDemers	622356.4874	7044226.376	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateN	C	40	Dry	Good	ForestBlackSpruce
110087	12/06/2011	JoelDemers	619551.1152	7044061.817	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Moist	Excellent	ForestBlackSpruce
110088	12/06/2011	JoelDemers	619565.3916	7044119.453	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	50	Moist	Excellent	ForestBlackSpruce
110089	12/06/2011	JoelDemers	619610.3177	7044174.114	UTMZ7N_WGS84	Colluvium	Grey	Silt	Ridge	C	50	Frozen	Good	ForestBlackSpruce
110090	12/06/2011	JoelDemers	619612.8084	7044176.772	UTMZ7N_WGS84	Colluvium	Grey	Silt	Ridge	C	50	Frozen	Good	ForestBlackSpruce
110091	12/06/2011	JoelDemers	619645.3923	7044204.539	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Moist	Good	ForestBlackSpruce
110092	12/06/2011	JoelDemers	619663.3207	7044244.469	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Moist	Good	ForestBlackSpruce
110093	12/06/2011	JoelDemers	619694.3635	7044277.42	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	40	Moist	Good	ForestBlackSpruce
110094	12/06/2011	JoelDemers	619795.5436	7044395.202	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNE	C	30	Moist	Poor	ForestBlackSpruce
110095	12/06/2011	JoelDemers	619822.1024	7044428.097	UTMZ7N_WGS84			Silt	ModerateNE	C	40	Frozen	Good	ForestBlackSpruce
110096	12/06/2011	JoelDemers	619861.0824	7044524.025	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Frozen	Poor	ForestBlackSpruce
110097	12/06/2011	JoelDemers	619851.9705	7044574.202	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNE	C	40	Moist	Poor	ForestBlackSpruce
110098	12/06/2011	JoelDemers	619833.3146	7044629.15	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	30	Wet	Poor	ForestBlackSpruce
110099	12/06/2011	JoelDemers	619817.6404	7044672.389	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Wet	Poor	ForestBlackSpruce
110100	12/06/2011	JoelDemers	619768.1421	7044789.857	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateNE	C	60	Moist	Excellent	ForestBlackSpruce
110101	12/06/2011	JoelDemers	619704.3937	7044948.61	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateNE	C	50	Wet	Good	ForestBlackSpruce
110102	12/06/2011	JoelDemers	619617.4456	7045051.624	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Wet	Good	ForestBlackSpruce
110103	12/06/2011	JoelDemers	619576.1857	7045111.857	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Excellent	ForestBlackSpruce
110104	12/06/2011	JoelDemers	619554.4081	7045154.645	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	50	Dry	Excellent	ForestFir
110105	12/06/2011	JoelDemers	619522.4079	7045181.881	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestBlackSpruce
110106	12/06/2011	JoelDemers	619478.0538	7045209.212	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestBlackSpruce
110107	12/06/2011	JoelDemers	619459.5886	7045267.292	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Moist	Good	ForestBlackSpruce
110108	12/06/2011	JoelDemers	619431.6352	7045307.506	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	30	Moist	Good	ForestBlackSpruce
110109	13/06/2011	JoelDemers	613758.2837	7050863.641	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
110110	13/06/2011	JoelDemers	613799.2176	7050896.22	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
110111	13/06/2011	JoelDemers	613854.0347	7050917.254	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	90	Moist	Excellent	ForestMixed
110112	13/06/2011	JoelDemers	613908.6721	7050930.811	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
110113	13/06/2011	JoelDemers	613948.9951	7050949.877	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
110114	13/06/2011	JoelDemers	613992.2251	7050975.182	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
110115	13/06/2011	JoelDemers				Colluvium	Brown	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
110116	13/06/2011	JoelDemers	614049.3399	7050993.068	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
110117	13/06/2011	JoelDemers	614085.5902	7051021.691	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Moist	Good	ForestMixed
110118	13/06/2011	JoelDemers	614116.4834	7051040.309	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Moist	Good	ForestMixed
110119	13/06/2011	JoelDemers	614180.0201	7051050.957	UTMZ7N_WGS84	Lithosoil	Brown	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
110120	13/06/2011	JoelDemers	614216.5319	7051081.933	UTMZ7N_WGS84	Lithosoil	BrownLight	Gravel	ModerateN	C	60	Dry	Excellent	ForestMixed
110121	13/06/2011	JoelDemers	614250.9188	7051093.206	UTMZ7N_WGS84	Lithosoil	Brown	Sand	ModerateN	C	40	Dry	Excellent	ForestMixed
110122	13/06/2011	JoelDemers	614312.0781	7051113.25	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	ModerateN	C	40	Dry	Good	ForestMixed
110123	13/06/2011	JoelDemers	614359.1483	7051140.817	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
110124	13/06/2011	JoelDemers	614394.8072	7051151.245	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
110125	13/06/2011	JoelDemers	614438.8026	7051178.591	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	60	Dry	Excellent	SubAlpineAlder

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
110126	13/06/2011	JoelDemers	614492.3793	7051196.581	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	ModerateN	C	40	Dry	Good	ForestMixed
110127	13/06/2011	JoelDemers	614536.3632	7051233.852	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	
110128	13/06/2011	JoelDemers	614574.5455	7051273.48	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
110129	13/06/2011	JoelDemers	614614.6959	7051305.373	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
110130	13/06/2011	JoelDemers	614638.4636	7051354.629	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Excellent	ForestMixed
110131	13/06/2011	JoelDemers	614687.8398	7051358.085	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
110132	13/06/2011	JoelDemers	614716.8604	7051392.589	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
110133	13/06/2011	JoelDemers	614744.7373	7051450.47	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
110134	13/06/2011	JoelDemers	614770.0649	7051478.484	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Flat	C	40	Dry	Excellent	ForestMixed
110135	13/06/2011	JoelDemers	614832.0237	7051506.373	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
110136	13/06/2011	JoelDemers	614857.8246	7051541.876	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	50	Dry	Excellent	ForestMixed
110137	13/06/2011	JoelDemers	614897.5247	7051572.307	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	40	Dry	Excellent	SubAlpineAlder
110138	13/06/2011	JoelDemers	614954.899	7051610.07	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Flat	C	50	Dry	Excellent	ForestMixed
110139	13/06/2011	JoelDemers	615002.5133	7051635.993	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Flat	C	40	Dry	Excellent	ForestMixed
110140	13/06/2011	JoelDemers	615001.9338	7051635.526	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Flat	C	40	Dry	Excellent	ForestMixed
110141	13/06/2011	JoelDemers	615004.4455	7051686.915	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
110142	13/06/2011	JoelDemers	614973.6311	7051728.176	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNE	C	50	Dry	Excellent	ForestMixed
110143	13/06/2011	JoelDemers	614978.4615	7051786.897	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	80	Dry	Excellent	ForestMixed
110144	15/06/2011	JoelDemers	609065.1466	7049635.437	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Dry	Poor	ForestBlackSpruce
110145	15/06/2011	JoelDemers	609135.6309	7049718.477	UTMZ7N_WGS84									
110146	15/06/2011	JoelDemers	609171.8203	7049740.349	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	40	Moist	Poor	SubAlpineBrush
110147	15/06/2011	JoelDemers	609209.5309	7049793.162	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateN	B	30	Moist	Poor	SubAlpineBrush
110148	15/06/2011	JoelDemers	609263.4498	7049866.158	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Dry	Good	SubAlpineBrush
110149	15/06/2011	JoelDemers	609297.2473	7049905.457	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	SubAlpineBrush
110150	15/06/2011	JoelDemers	609328.4686	7049951.692	UTMZ7N_WGS84	Lithosoil	BrownDark	Sand	ModerateN	C	30	Dry	Good	SubAlpineBrush
110151	15/06/2011	JoelDemers	609389.0401	7050020.459	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	SubAlpineBrush
110152	15/06/2011	JoelDemers	609426.2073	7050058.537	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	50	Dry	Excellent	SubAlpineBrush
110153	15/06/2011	JoelDemers	609475.9929	7050099.726	UTMZ7N_WGS84	Lithosoil	Grey	Silt	ModerateN	C	40	Dry	Excellent	SubAlpineBrush
110154	15/06/2011	JoelDemers	609486.4171	7050140.563	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	ModerateN	C	40	Dry	Excellent	ForestBlackSpruce
110155	15/06/2011	JoelDemers	609511.5527	7050185.81	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateN	C	40	Dry	Excellent	ForestBlackSpruce
110156	15/06/2011	JoelDemers	609542.9489	7050205.18	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateN	C	50	Dry	Excellent	ForestBlackSpruce
110157	15/06/2011	JoelDemers	609576.9232	7050259.318	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	ForestBlackSpruce
110158	15/06/2011	JoelDemers	609607.0934	7050291.135	UTMZ7N_WGS84	Regolith	Green	Silt	Flat	C	40	Dry	Excellent	ForestBlackSpruce
110159	15/06/2011	JoelDemers	609691.0939	7050363.393	UTMZ7N_WGS84	Regolith	Brown	Sand	Flat	C	40	Dry	Good	ForestMixed
110160	15/06/2011	JoelDemers	609756.6046	7050411.041	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	ForestBlackSpruce
110161	15/06/2011	JoelDemers	609795.3019	7050434.791	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestBlackSpruce
110162	15/06/2011	JoelDemers	609839.251	7050441.775	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	60	Dry	Excellent	ForestBlackSpruce
110163	15/06/2011	JoelDemers	609881.1249	7050452.702	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	C	30	Dry	Good	ForestBlackSpruce
110164	15/06/2011	JoelDemers	609933.8798	7050462.333	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	C	30	Dry	Good	ForestMixed
110165	15/06/2011	JoelDemers	609931.2557	7050463.468	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	C	30	Dry	Good	ForestMixed
110166	15/06/2011	JoelDemers	609984.2064	7050480.355	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestBlackSpruce
110167	15/06/2011	JoelDemers	610036.872	7050481.064	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	40	Dry	Good	ForestMixed
110168	15/06/2011	JoelDemers	610087.9388	7050509.262	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110169	15/06/2011	JoelDemers	610133.7999	7050535.607	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Good	SubAlpineAlder
110170	15/06/2011	JoelDemers	610168.8804	7050587.56	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	40	Dry	Excellent	ForestMixed
110171	15/06/2011	JoelDemers	610177.107	7050634.122	UTMZ7N_WGS84	Lithosoil	Grey	Silt	Flat	C	50	Dry	Excellent	ForestMixed
110172	15/06/2011	JoelDemers	610269.6576	7050629.863	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110173	15/06/2011	JoelDemers	610269.7564	7050684.283	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110174	15/06/2011	JoelDemers	610310.2686	7050707.1	UTMZ7N_WGS84	Lithosoil	Grey	Silt	Flat	C	40	Dry	Good	ForestMixed
110175	15/06/2011	JoelDemers	610353.9805	7050746.532	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	70	Dry	Excellent	SubAlpineAlder
110176	15/06/2011	JoelDemers	610378.6419	7050780.619	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	35	Dry	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
110177	15/06/2011	JoelDemers	610407.4347	7050814.515	UTMZ7N_WGS84	Lithosoil	Green	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
110178	15/06/2011	JoelDemers	610431.8876	7050843.131	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
110179	16/06/2011	JoelDemers	610491.3074	7051260.908	UTMZ7N_WGS84	Lithosoil	Grey	Silt	Flat	C	50	Dry	Excellent	ForestMixed
110180	16/06/2011	JoelDemers	610512.315	7051312.711	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	40	Dry	Good	ForestMixed
110181	16/06/2011	JoelDemers	610545.1557	7051382.879	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
110182	16/06/2011	JoelDemers	610581.6683	7051458.862	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateN	C	30	Dry	Good	ForestMixed
110183	16/06/2011	JoelDemers	610612.557	7051559.294	UTMZ7N_WGS84	Lithosoil	Grey	Sand	ModerateN	C	35	Dry	Good	ForestMixed
110184	16/06/2011	JoelDemers	610707.1815	7051697.186	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
110185	16/06/2011	JoelDemers	610735.2525	7051774.215	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
110186	16/06/2011	JoelDemers	610779.5744	7051836.869	UTMZ7N_WGS84	Regolith	Grey	Sand	ModerateN	C	50	Dry	Good	ForestMixed
110187	16/06/2011	JoelDemers	610833.4984	7051889.154	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
110188	16/06/2011	JoelDemers	610869.7359	7051921.42	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
110189	16/06/2011	JoelDemers	610907.1822	7051948.933	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Dry	Good	ForestMixed
110190	16/06/2011	JoelDemers	610909.7685	7051946.013	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Dry	Good	ForestMixed
110191	16/06/2011	JoelDemers	610930.2551	7051999.585	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
110192	16/06/2011	JoelDemers	610971.1039	7052000.79	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	ModerateN	C	40	Dry	Good	ForestMixed
110193	16/06/2011	JoelDemers	611076.6779	7052100.382	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	40	Dry	Good	ForestMixed
110194	16/06/2011	JoelDemers	611093.6087	7052161.748	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
110195	16/06/2011	JoelDemers	611144.9201	7052186.181	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
110196	16/06/2011	JoelDemers	611191.4305	7052228.512	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
110197	16/06/2011	JoelDemers	611225.2462	7052312.661	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Moist	Excellent	ForestMixed
110198	16/06/2011	JoelDemers	611245.8817	7052390.104	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	ForestMixed
110199	16/06/2011	JoelDemers	611291.955	7052453.274	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Good	ForestMixed
110200	16/06/2011	JoelDemers	611302.2251	7052511.732	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	ModerateE	C	30	Dry	Good	ForestMixed
110201	16/06/2011	JoelDemers	611270.3285	7052574.175	UTMZ7N_WGS84	Regolith	BrownLight	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
110202	16/06/2011	JoelDemers	611312.3804	7052617.355	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
110203	16/06/2011	JoelDemers	611278.1631	7052666.67	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	ModerateE	C	30	Dry	Excellent	ForestMixed
110204	16/06/2011	JoelDemers	611260.7696	7052740.55	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	ModerateE	C	40	Dry	Excellent	SubAlpineAlder
110205	16/06/2011	JoelDemers	611257.3933	7052801.428	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
110206	16/06/2011	JoelDemers	611264.2074	7052880.506	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
110207	16/06/2011	JoelDemers	611292.1868	7052939.585	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
110208	16/06/2011	JoelDemers	611280.0634	7053004.84	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	50	Dry	Excellent	ForestMixed
110209	16/06/2011	JoelDemers	611237.184	7053049.168	UTMZ7N_WGS84	Colluvium	Purple	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
110210	16/06/2011	JoelDemers	611244.2646	7053109.298	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
110211	16/06/2011	JoelDemers	611273.1458	7053159.599	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	80	Dry	Excellent	ForestMixed
110212	16/06/2011	JoelDemers	611308.1612	7053206.324	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Dry	Excellent	ForestMixed
110213	16/06/2011	JoelDemers	611378.5659	7053250.835	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
110214	16/06/2011	JoelDemers	611422.6624	7053286.394	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
110215	16/06/2011	JoelDemers	611429.3122	7053292.203	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
110216	16/06/2011	JoelDemers	611503.3956	7053323.799	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
110217	16/06/2011	JoelDemers	611548.4764	7053335.531	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
110218	16/06/2011	JoelDemers	611579.5021	7053357.141	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
110219	16/06/2011	JoelDemers	611572.9971	7053415.01	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
110220	16/06/2011	JoelDemers	611501.8171	7053485.994	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
110221	16/06/2011	JoelDemers	611500.861	7053544.281	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	40	Dry	Good	ForestMixed
110222	16/06/2011	JoelDemers	611500.286	7053603.028	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	ForestPine
110223	16/06/2011	JoelDemers	611480.2714	7053692.092	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
110224	16/06/2011	JoelDemers	611509.3336	7053759.574	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
110225	16/06/2011	JoelDemers	611554.9712	7053835.781	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
110226	16/06/2011	JoelDemers	611612.4441	7053867.688	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
110227	16/06/2011	JoelDemers	611645.9194	7053907.003	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
110228	16/06/2011	JoelDemers	611691.4507	7053964.92	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
110229	16/06/2011	JoelDemers	611729.5839	7054010.088	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
110230	16/06/2011	JoelDemers	611738.9948	7054081.23	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110231	16/06/2011	JoelDemers	611786.2669	7054106.536	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110232	16/06/2011	JoelDemers	611815.9872	7054153.639	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	80	Dry	Excellent	ForestMixed
110233	16/06/2011	JoelDemers	611828.8287	7054202.042	UTMZ7N_WGS84	Colluvium	Blue	Silt	Flat	C	50	Dry	Excellent	ForestMixed
110234	16/06/2011	JoelDemers	611858.22	7054237.313	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110235	16/06/2011	JoelDemers	611885.6836	7054299.056	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
110236	16/06/2011	JoelDemers	611929.6044	7054322.128	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110237	16/06/2011	JoelDemers	611978.1449	7054373.242	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	70	Dry	Excellent	ForestMixed
110238	16/06/2011	JoelDemers	612017.0425	7054411.972	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	70	Dry	Excellent	ForestMixed
110239	16/06/2011	JoelDemers	612068.3295	7054449.915	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110240	16/06/2011	JoelDemers	612068.8112	7054448.928	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110241	16/06/2011	JoelDemers	612118.2631	7054489.594	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110242	16/06/2011	JoelDemers	612123.8993	7054556.255	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
110243	16/06/2011	JoelDemers	612141.3396	7054613.409	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110244	16/06/2011	JoelDemers	612169.9215	7054703.631	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
110245	16/06/2011	JoelDemers	612230.4757	7054769.894	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	50	Dry	Excellent	ForestMixed
110246	16/06/2011	JoelDemers	612273.805	7054844.469	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	30	Dry	Poor	ForestMixed
110247	16/06/2011	JoelDemers	612329.786	7054861.73	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Good	ForestMixed
110248	16/06/2011	JoelDemers	612534.2593	7054849.242	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	40	Dry	Good	ForestMixed
110249	16/06/2011	JoelDemers	612571.7544	7054855.814	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Flat	C	40	Dry	Good	ForestMixed
110614	26/07/2011	JoelDemers	616054.8117	7053009.17	UTMZ7N_WGS84	Colluvium	Grey	Silt		C	90	Moist	Excellent	
110615	26/07/2011	JoelDemers	616034.4497	7052968.278	UTMZ7N_WGS84	Colluvium	BrownDark	Clay		B	55	Moist	Good	
110616	26/07/2011	JoelDemers	615984.6015	7052940.36	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	55	Dry	Excellent	
110617	26/07/2011	JoelDemers	615943.1764	7052917.1	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	55	Dry	Excellent	
110618	26/07/2011	JoelDemers	615909.9173	7052875.627	UTMZ7N_WGS84	Colluvium	BrownDark	Clay		C	60	Wet	Poor	
110619	26/07/2011	JoelDemers	615864.3397	7052851.77	UTMZ7N_WGS84	Colluvium	BrownDark	Clay		B	60	Wet	Good	
110620	26/07/2011	JoelDemers	615826.9929	7052814.721	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	60	Dry	Excellent	
110621	26/07/2011	JoelDemers	615786.7442	7052786.376	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	90	Dry	Excellent	
110622	26/07/2011	JoelDemers	615757.3826	7052748.28	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	80	Moist	Good	
110623	26/07/2011	JoelDemers	615708.2452	7052722.512	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	90	Moist	Good	
110624	26/07/2011	JoelDemers	615671.5886	7052696.418	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	45	Dry	Excellent	
110625	26/07/2011	JoelDemers	615625.1307	7052661.158	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	60	Dry	Excellent	
110626	26/07/2011	JoelDemers	615586.5948	7052627.972	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	65	Dry	Excellent	
110627	26/07/2011	JoelDemers	615553.5357	7052582.161	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	55	Dry	Excellent	
110628	26/07/2011	JoelDemers	615513.4342	7052564.642	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	65	Dry	Excellent	
110629	26/07/2011	JoelDemers	615469.095	7052525.67	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	50	Dry	Excellent	
110630	26/07/2011	JoelDemers	615440.7892	7052492.523	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	55	Dry	Excellent	
110631	26/07/2011	JoelDemers	615400.5442	7052467.975	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	50	Dry	Excellent	
110632	26/07/2011	JoelDemers	615466.9037	7052375.598	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	60	Dry	Excellent	
110633	26/07/2011	JoelDemers	615498.9763	7052407.656	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	65	Dry	Excellent	
110634	26/07/2011	JoelDemers	615542.7578	7052451.069	UTMZ7N_WGS84	Colluvium	Green	Silt		C	50	Dry	Excellent	
110635	26/07/2011	JoelDemers	615580.0331	7052475.287	UTMZ7N_WGS84	Colluvium	Green	Silt		C	60	Dry	Excellent	
110636	26/07/2011	JoelDemers	615619.9569	7052497.707	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	55	Dry	Excellent	
110637	26/07/2011	JoelDemers	615662.5601	7052551.561	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	55	Dry	Excellent	
110638	26/07/2011	JoelDemers	615690.979	7052578.804	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	65	Dry	Excellent	
110639	26/07/2011	JoelDemers	615729.1767	7052607.63	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	80	Dry	Excellent	
110641	26/07/2011	JoelDemers	615766.9504	7052627.632	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	70	Moist	Good	
110642	26/07/2011	JoelDemers	615809.0393	7052679.128	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	70	Moist	Good	
110643	26/07/2011	JoelDemers	615847.1777	7052702.712	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	80	Moist	Good	

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
110644	26/07/2011	JoelDemers	615886.115	7052735.694	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	75	Frozen	Poor	
110645	26/07/2011	JoelDemers	615931.1084	7052768.785	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	75	Moist	Excellent	
110646	26/07/2011	JoelDemers	615964.5719	7052804.69	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	70	Frozen	Poor	
110647	26/07/2011	JoelDemers	615996.1988	7052825.585	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	70	Moist	Good	
110648	26/07/2011	JoelDemers	616040.0928	7052885.961	UTMZ7N_WGS84	Colluvium	BrownLight	Clay		B	80	Moist	Good	
110649	26/07/2011	JoelDemers	616070.5396	7052898.338	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	80	Moist	Good	
110650	26/07/2011	JoelDemers	616091.3499	7052926.979	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	65	Dry	Excellent	
110651	27/07/2011	JoelDemers	616341.015	7052584.501	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	55	Dry	Excellent	
110652	27/07/2011	JoelDemers	616293.73	7052563.81	UTMZ7N_WGS84	Colluvium	BrownDark	Clay		B	45	Frozen	Poor	
110653	27/07/2011	JoelDemers	616259.3795	7052530.434	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	65	Frozen	Poor	
110654	27/07/2011	JoelDemers	616218.0629	7052500.037	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	80	Moist	Poor	
110655	27/07/2011	JoelDemers	616179.8999	7052468.976	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	85	Wet	Poor	
110656	27/07/2011	JoelDemers	616141.3548	7052436.116	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	80	Moist	Poor	
110657	27/07/2011	JoelDemers	616092.8407	7052397.317	UTMZ7N_WGS84	Colluvium	Grey	Silt		C	55	Frozen	Good	
110658	27/07/2011	JoelDemers	616062.0742	7052369.093	UTMZ7N_WGS84	Colluvium	Grey	Silt		C	45	Frozen	Good	
110659	27/07/2011	JoelDemers	616028.5398	7052339.095	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	75	Frozen	Poor	
110660	27/07/2011	JoelDemers	615984.5919	7052307.155	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	65	Frozen	Poor	
110661	27/07/2011	JoelDemers	615948.0074	7052268.125	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	70	Frozen	Poor	
110662	27/07/2011	JoelDemers	615841.2086	7052182.928	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	70	Moist	Good	
110663	27/07/2011	JoelDemers	615803.5457	7052150.217	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	50	Wet	Good	
110664	27/07/2011	JoelDemers	615757.3269	7052112.288	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	65	Wet	Poor	
110665	27/07/2011	JoelDemers	615706.5114	7052072.296	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	65	Dry	Excellent	
110666	27/07/2011	JoelDemers	615656.4838	7052156.565	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	40	Moist	Good	
110667	27/07/2011	JoelDemers	615705.4755	7052185.226	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	50	Frozen	Poor	
110668	27/07/2011	JoelDemers	615772.593	7052249.566	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	40	Frozen	Poor	
110669	27/07/2011	JoelDemers	615815.0583	7052279.999	UTMZ7N_WGS84	Colluvium	Brown	Clay		C	75	Moist	Good	
110671	27/07/2011	JoelDemers	615887.6907	7052342.87	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	45	Frozen	Poor	
110672	27/07/2011	JoelDemers	615934.7024	7052373.917	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	75	Moist	Good	
110673	27/07/2011	JoelDemers	615961.6191	7052406.906	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	70	Frozen	Good	
110674	27/07/2011	JoelDemers	616006.5791	7052446.465	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	60	Frozen	Good	
110675	27/07/2011	JoelDemers	616043.7519	7052470.686	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	50	Frozen	Poor	
110676	27/07/2011	JoelDemers	616078.7447	7052501.518	UTMZ7N_WGS84	Colluvium	BrownDark	Clay		B	70	Dry	Good	
110677	27/07/2011	JoelDemers	616122.0204	7052520.498	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	65	Frozen	Poor	
110678	27/07/2011	JoelDemers	616155.9273	7052564.674	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	65	Frozen	Poor	
110679	27/07/2011	JoelDemers	616203.8269	7052597.095	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	60	Frozen	Poor	
110680	27/07/2011	JoelDemers	616235.8913	7052639.978	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	65	Moist	Good	
110681	27/07/2011	JoelDemers	616271.9448	7052666.167	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	55	Frozen	Poor	
110682	28/07/2011	JoelDemers	620992.5359	7046614.995	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	
110683	28/07/2011	JoelDemers	621021.1028	7046645.301	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
110684	28/07/2011	JoelDemers	621062.7327	7046682.908	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	55	Dry	Excellent	
110685	28/07/2011	JoelDemers	621101.289	7046709.693	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	35	Dry	Excellent	
110686	28/07/2011	JoelDemers	621146.9843	7046729.388	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Excellent	
110687	28/07/2011	JoelDemers	621187.829	7046766.633	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Excellent	
110688	28/07/2011	JoelDemers	621215.8179	7046809.41	UTMZ7N_WGS84	Colluvium	Green	Silt		C	65	Dry	Excellent	
110689	28/07/2011	JoelDemers	621249.215	7046848.713	UTMZ7N_WGS84	Colluvium	Green	Silt		C	50	Dry	Excellent	
110691	28/07/2011	JoelDemers	621323.8566	7046760.665	UTMZ7N_WGS84	Colluvium	Green	Silt		C	55	Dry	Excellent	
110692	28/07/2011	JoelDemers	621360.2002	7046789.264	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	75	Dry	Excellent	
110693	28/07/2011	JoelDemers	621401.427	7046830.764	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Excellent	
110694	28/07/2011	JoelDemers	621437.7567	7046863.601	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Excellent	
110695	28/07/2011	JoelDemers	621476.8521	7046896.991	UTMZ7N_WGS84									
110696	28/07/2011	JoelDemers	621520.3532	7046927.092	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
110697	28/07/2011	JoelDemers	621553.6499	7046958.477	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
110698	28/07/2011	JoelDemers	621586.2076	7046994.852	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	65	Dry	Excellent	
110699	28/07/2011	JoelDemers	621626.1476	7047021.696	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	65	Dry	Excellent	
110700	28/07/2011	JoelDemers	621566.9614	7047101.182	UTMZ7N_WGS84	Colluvium	Green	Silt		C	70	Dry	Excellent	
110701	28/07/2011	JoelDemers	621529.6093	7047071.761	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
110702	28/07/2011	JoelDemers	621487.1214	7047041.253	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Excellent	
110703	28/07/2011	JoelDemers	621454.1358	7047005.643	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	35	Dry	Excellent	
110704	28/07/2011	JoelDemers	621413.4114	7046974.533	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Excellent	
110705	28/07/2011	JoelDemers	621379.6145	7046936.663	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Excellent	
110706	28/07/2011	JoelDemers	621335.7809	7046902.201	UTMZ7N_WGS84	Colluvium	Green	Silt		C	60	Dry	Excellent	
110707	28/07/2011	JoelDemers	621302.7595	7046879.194	UTMZ7N_WGS84	Colluvium	Green	Silt		C	50	Dry	Excellent	
110708	29/07/2011	JoelDemers	619624.6863	7046170.476	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	60	Dry	Excellent	
110709	29/07/2011	JoelDemers	619702.1527	7046096.439	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	45	Dry	Excellent	
110710	29/07/2011	JoelDemers	619740.5985	7046133.238	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	
110711	29/07/2011	JoelDemers	619664.9197	7046212.696	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	60	Dry	Excellent	
110712	29/07/2011	JoelDemers	619703.5527	7046235.227	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	55	Dry	Excellent	
110713	29/07/2011	JoelDemers	619775.0175	7046157.954	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40	Dry	Excellent	
110714	29/07/2011	JoelDemers	619820.721	7046193.69	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	60	Dry	Excellent	
110715	29/07/2011	JoelDemers	619752.2099	7046270.515	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	
110716	29/07/2011	JoelDemers	619788.8404	7046302.563	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	90	Dry	Excellent	
110717	29/07/2011	JoelDemers	619849.8076	7046225.12	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	60	Dry	Excellent	
110718	29/07/2011	JoelDemers	619894.1646	7046256.902	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	70	Dry	Excellent	
110719	29/07/2011	JoelDemers	619812.2492	7046336.679	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
110720	29/07/2011	JoelDemers	619863.8603	7046366.169	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	70	Dry	Excellent	
110721	29/07/2011	JoelDemers	619927.024	7046288.587	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
110722	29/07/2011	JoelDemers	619970.7044	7046319.788	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
110723	29/07/2011	JoelDemers	619897.3882	7046401.225	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Excellent	
110724	29/07/2011	JoelDemers	619939.1214	7046429.898	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	65	Dry	Excellent	
110725	29/07/2011	JoelDemers	620010.4461	7046355.079	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Excellent	
110726	29/07/2011	JoelDemers	620037.477	7046389.444	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Wet	Good	
110727	29/07/2011	JoelDemers	619972.0065	7046463.48	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
110728	29/07/2011	JoelDemers	620020.5922	7046488.621	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
110729	29/07/2011	JoelDemers	620075.9616	7046425.023	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Excellent	
110730	29/07/2011	JoelDemers	620117.1016	7046444.308	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Excellent	
110731	29/07/2011	JoelDemers	620154.5426	7046483.752	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	35	Dry	Excellent	
110732	29/07/2011	JoelDemers	620098.5762	7046561.825	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	
110733	29/07/2011	JoelDemers	620127.2898	7046589.787	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	
110734	29/07/2011	JoelDemers	620231.1896	7046543.526	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	55	Dry	Excellent	
110735	29/07/2011	JoelDemers	620267.7675	7046574.128	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	30	Dry	Excellent	
110736	29/07/2011	JoelDemers	620176.9941	7046623.448	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Excellent	
110737	29/07/2011	JoelDemers	620213.2741	7046652.7	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	
110738	29/07/2011	JoelDemers	620249.2749	7046697.221	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	30	Dry	Excellent	
110739	29/07/2011	JoelDemers	620319.1222	7046616.776	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	
111229	12/06/2011	JordanHarrington	621618.6041	7042146.803	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	20	Frozen	Good	SubAlpineBrush
111230	12/06/2011	JordanHarrington	621473.268	7042254.459	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	20	Frozen	Good	SubAlpineBrush
111231	12/06/2011	JordanHarrington	621337.8521	7042321.791	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	B	20	Frozen	Poor	SubAlpineBrush
111232	12/06/2011	JordanHarrington	621295.1796	7042346.709	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Moist	Good	SubAlpineBrush
111233	12/06/2011	JordanHarrington	621247.6392	7042364.64	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	40	Moist	Good	SubAlpineBrush
111234	12/06/2011	JordanHarrington	621207.8285	7042375.951	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	30	Wet	Good	SubAlpineBrush
111235	12/06/2011	JordanHarrington	621160.594	7042385.865	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	30	Wet	Good	SubAlpineBrush
111236	12/06/2011	JordanHarrington	621111.062	7042406.398	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	40	Wet	Good	SubAlpineBrush

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
111237	12/06/2011	JordanHarrington	621661.0137	7042115.857	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	40	Wet	Good	SubAlpineBrush
111238	12/06/2011	JordanHarrington	621855.7084	7041998.051	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	60	Frozen	Good	AlpineBare
111239	12/06/2011	JordanHarrington	622082.3566	7042540.494	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Frozen	Good	SubAlpineBrush
111240	12/06/2011	JordanHarrington	622082.3068	7042540.492	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Frozen	Good	SubAlpineBrush
111241	12/06/2011	JordanHarrington	622058.3143	7042634.593	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	20	Wet	Good	SubAlpineFir
111242	12/06/2011	JordanHarrington	622030.0098	7042708.567	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Frozen	Good	SubAlpineFir
111243	12/06/2011	JordanHarrington	622011.0447	7042769.069	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	20	Wet	Good	SubAlpineFir
111244	12/06/2011	JordanHarrington	622012.0833	7042826.545	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Frozen	Good	SubAlpineFir
111245	12/06/2011	JordanHarrington	622018.8039	7042907.436	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	20	Wet	Good	SubAlpineFir
111246	12/06/2011	JordanHarrington	622026.0687	7042971.508	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	20	Frozen	Good	SubAlpineFir
111247	12/06/2011	JordanHarrington	621999.7083	7043061.169	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	20	Frozen	Poor	SubAlpineFir
111248	12/06/2011	JordanHarrington	621977.1097	7043128.112	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	20	Frozen	Good	SubAlpineFir
111249	13/06/2011	JordanHarrington	615051.5523	7051665.092	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	50	Frozen	Good	ForestMixed
111250	13/06/2011	JordanHarrington	615095.5847	7051659.551	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Good	ForestMixed
111251	13/06/2011	JordanHarrington	615143.695	7051663.526	UTMZ7N_WGS84	Lithosoil	Brown	Sand	ModerateE	C	70	Moist	Good	ForestMixed
111252	13/06/2011	JordanHarrington	615190.5247	7051674.034	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	70	Frozen	Good	ForestMixed
111253	13/06/2011	JordanHarrington	615237.2381	7051704.167	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Frozen	Good	ForestMixed
111254	13/06/2011	JordanHarrington	615294.3278	7051694.865	UTMZ7N_WGS84	Regolith	RustyOrange	Silt	ModerateE	C	40	Moist	Good	ForestMixed
111255	13/06/2011	JordanHarrington	615378.8578	7051700.389	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Frozen	Good	ForestMixed
111256	13/06/2011	JordanHarrington	615445.4173	7051688.981	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	60	Dry	Good	ForestMixed
111257	13/06/2011	JordanHarrington	615484.5299	7051712.149	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111258	13/06/2011	JordanHarrington	615535.1674	7051706.743	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	90	Dry	Excellent	ForestMixed
111259	13/06/2011	JordanHarrington	615590.6354	7051706.532	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111260	13/06/2011	JordanHarrington	615640.7869	7051726.759	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111261	13/06/2011	JordanHarrington	615689.2862	7051756.851	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateE	B	30	Frozen	Good	ForestMixed
111262	13/06/2011	JordanHarrington	615735.6884	7051744.937	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111263	13/06/2011	JordanHarrington	615787.778	7051733.789	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111264	13/06/2011	JordanHarrington	615846.2797	7051737.596	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	70	Dry	Good	ForestMixed
111266	13/06/2011	JordanHarrington	615885.2353	7051766.34	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Moist	Good	ForestMixed
111267	13/06/2011	JordanHarrington	616006.6296	7051739.437	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	B	30	Frozen	Poor	ForestMixed
111268	13/06/2011	JordanHarrington	616062.9956	7051740.493	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	B	30	Frozen	Poor	ForestMixed
111269	14/06/2011	JordanHarrington	611927.7395	7049332.658	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
111270	14/06/2011	JordanHarrington	611980.3413	7049300.5	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111271	14/06/2011	JordanHarrington	612005.1277	7049270.261	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111272	14/06/2011	JordanHarrington	612046.1522	7049236.47	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111273	14/06/2011	JordanHarrington	612086.9042	7049204.788	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
111274	14/06/2011	JordanHarrington	612139.6421	7049201.296	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSE	C	40	Moist	Good	ForestAspen
111275	14/06/2011	JordanHarrington	612188.0264	7049195.755	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	ModerateSE	C	40	Dry	Good	ForestAspen
111276	14/06/2011	JordanHarrington	612243.6994	7049165.494	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	60	Dry	Good	ForestMixed
111277	14/06/2011	JordanHarrington	612281.6495	7049163.935	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	80	Dry	Excellent	ForestMixed
111278	14/06/2011	JordanHarrington	612324.6432	7049166.012	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Dry	Good	ForestAspen
111279	14/06/2011	JordanHarrington	612376.1691	7049171.514	UTMZ7N_WGS84	Soil	RustyOrange	Sand	Flat	C	80	Dry	Excellent	ForestAspen
111280	14/06/2011	JordanHarrington	612484.2362	7049123.707	UTMZ7N_WGS84	Regolith	Brown	Silt	Flat	C	70	Frozen	Good	ForestMixed
111281	14/06/2011	JordanHarrington	612528.5647	7049107.769	UTMZ7N_WGS84	Regolith	RustyOrange	Sand	Flat	C	40	Dry	Good	ForestMixed
111282	14/06/2011	JordanHarrington	612563.1987	7049117.024	UTMZ7N_WGS84	Regolith	RustyOrange	Silt	Flat	C	60	Dry	Excellent	ForestMixed
111283	14/06/2011	JordanHarrington	612642.1067	7049104.877	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111284	14/06/2011	JordanHarrington	612681.5644	7049105.719	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	50	Dry	Good	ForestMixed
111285	14/06/2011	JordanHarrington	612731.0922	7049091.863	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111286	14/06/2011	JordanHarrington	612777.1779	7049081.121	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111287	14/06/2011	JordanHarrington	612818.4278	7049069.315	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Moist	Good	ForestAspen
111288	14/06/2011	JordanHarrington	612866.6575	7049055.638	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
111289	14/06/2011	JordanHarrington	612969.5693	7049027.291	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepE	C	50	Dry	Good	ForestMixed
111291	14/06/2011	JordanHarrington	613025.3541	7049029.163	UTMZ7N_WGS84	Regolith	Brown	Silt	SteepSE	C	40	Dry	Good	ForestAspen
111292	14/06/2011	JordanHarrington	613071.4053	7049011.063	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepSE	C	40	Dry	Good	ForestMixed
111293	14/06/2011	JordanHarrington	613114.4128	7049010.028	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	SteepSE	C	40	Dry	Good	ForestMixed
111294	14/06/2011	JordanHarrington	613155.3209	7048992.527	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepSE	C	60	Dry	Good	ForestMixed
111295	14/06/2011	JordanHarrington	613197.1006	7048989.666	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	SteepSE	C	50	Frozen	Good	ForestMixed
111296	14/06/2011	JordanHarrington	613260.6499	7048969.07	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
111297	14/06/2011	JordanHarrington	613314.2162	7048959.27	UTMZ7N_WGS84	Lithosoil	Pink	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
111298	14/06/2011	JordanHarrington	613367.2285	7048949.675	UTMZ7N_WGS84	Lithosoil	Pink	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
111299	15/06/2011	JordanHarrington	610528.801	7050957.567	UTMZ7N_WGS84	Regolith	Brown	Silt	Ridge	B	20	Moist	Poor	ForestAspen
111300	15/06/2011	JordanHarrington	610579.7702	7051052.453	UTMZ7N_WGS84	Regolith	Brown	Silt	Ridge	B	20	Moist	Good	ForestAspen
111301	15/06/2011	JordanHarrington	610653.0169	7051112.655	UTMZ7N_WGS84	Regolith	Brown	Silt	Ridge	B	20	Dry	Good	ForestAspen
111302	15/06/2011	JordanHarrington	610691.9741	7051162.743	UTMZ7N_WGS84	Regolith	Brown	Silt	Ridge	C	40	Dry	Good	ForestAspen
111303	15/06/2011	JordanHarrington	610691.7662	7051218.602	UTMZ7N_WGS84	Regolith	Brown	Silt	Ridge	B	30	Moist	Good	ForestAspen
111304	15/06/2011	JordanHarrington	610715.2875	7051256.667	UTMZ7N_WGS84	Regolith	Brown	Silt	Ridge	B	30	Moist	Good	ForestAspen
111305	15/06/2011	JordanHarrington	610825.1766	7051311.907	UTMZ7N_WGS84	Soil	BrownDark	Silt	Ridge	B	30	Dry	Good	ForestAspen
111306	15/06/2011	JordanHarrington	610874.2054	7051252.734	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestAspen
111307	15/06/2011	JordanHarrington	610897.1499	7051216.179	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestAspen
111308	15/06/2011	JordanHarrington	610952.5137	7051160.685	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	50	Dry	Good	ForestAspen
111309	15/06/2011	JordanHarrington	610975.5571	7051127.033	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	80	Dry	Excellent	ForestAspen
111310	15/06/2011	JordanHarrington	611017.483	7051099.172	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	50	Moist	Good	ForestAspen
111311	15/06/2011	JordanHarrington	611050.9777	7051083.616	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	60	Dry	Good	ForestAspen
111312	15/06/2011	JordanHarrington	611111.7566	7051072.361	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	C	40	Dry	Good	ForestAspen
111313	15/06/2011	JordanHarrington	611156.1603	7051053.285	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateSE	C	50	Dry	Good	ForestAspen
111314	15/06/2011	JordanHarrington	611210.5555	7051037.014	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateSE	C	50	Dry	Good	ForestMixed
111316	15/06/2011	JordanHarrington	611254.5529	7051036.659	UTMZ7N_WGS84	Colluvium	Pink	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
111317	15/06/2011	JordanHarrington	611347.7131	7050983.611	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
111318	15/06/2011	JordanHarrington	611394.4195	7050972.648	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
111319	15/06/2011	JordanHarrington	611436.8407	7050939.345	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSE	C	30	Dry	Good	ForestMixed
111320	15/06/2011	JordanHarrington	611532.3442	7050908.91	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Moist	Good	ForestMixed
111321	15/06/2011	JordanHarrington	611577.1469	7050906.915	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
111322	15/06/2011	JordanHarrington	611622.7101	7050873.39	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	50	Moist	Good	ForestMixed
111323	15/06/2011	JordanHarrington	611709.6214	7050830.169	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	30	Moist	Poor	ForestMixed
111324	16/06/2011	JordanHarrington	609907.9858	7045813.307	UTMZ7N_WGS84	Regolith	BrownDark	Silt	RidgeAlpine	C	40	Frozen	Excellent	SubAlpineBrush
111325	16/06/2011	JordanHarrington	609971.408	7045983.207	UTMZ7N_WGS84	Regolith	BrownDark	Silt	ModerateE	C	60	Frozen	Good	SubAlpineBrush
111326	16/06/2011	JordanHarrington	610018.4258	7046130.685	UTMZ7N_WGS84	Regolith	BrownDark	Silt	ModerateE	B	20	Frozen	Good	SubAlpineAlder
111327	16/06/2011	JordanHarrington	610033.6164	7046206.702	UTMZ7N_WGS84	Regolith	BrownDark	Silt	ModerateNE	B	20	Frozen	Good	SubAlpineAlder
111328	16/06/2011	JordanHarrington	610105.6959	7046305.762	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	40	Frozen	Good	SubAlpineAlder
111329	16/06/2011	JordanHarrington	610256.193	7046408.21	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Frozen	Good	SubAlpineAlder
111330	16/06/2011	JordanHarrington	610383.5006	7046508.857	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateNE	B	30	Frozen	Good	SubAlpineAlder
111331	16/06/2011	JordanHarrington	610466.0348	7046628.807	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateNE	C	40	Frozen	Good	SubAlpineAlder
111332	16/06/2011	JordanHarrington	610554.3883	7046671.351	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Depression	C	40	Frozen	Good	SubAlpineFir
111333	16/06/2011	JordanHarrington	610777.8597	7046700.981	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateE	C	40	Frozen	Good	SubAlpineFir
111334	16/06/2011	JordanHarrington	610886.6499	7046726.739	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Frozen	Good	ForestMixed
111335	16/06/2011	JordanHarrington	611052.5667	7046839.577	UTMZ7N_WGS84	Colluvium	Grey	Silt	Depression	C	40	Wet	Excellent	ForestMixed
111336	16/06/2011	JordanHarrington	611202.2202	7046889.187	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Frozen	Good	ForestMixed
111337	16/06/2011	JordanHarrington	611277.4885	7046897.061	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateE	B	30	Frozen	Good	ForestBlackSpruce
111338	16/06/2011	JordanHarrington	611391.9768	7046917.572	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	30	Frozen	Good	ForestBlackSpruce
111339	16/06/2011	JordanHarrington	611479.2199	7046924.531	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	ModerateNE	C	50	Frozen	Excellent	ForestBlackSpruce
111341	16/06/2011	JordanHarrington	611577.6934	7046924.862	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Frozen	Good	ForestBlackSpruce
111342	16/06/2011	JordanHarrington	611646.3457	7046932.624	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	30	Frozen	Good	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
111343	16/06/2011	JordanHarrington	611722.9997	7046912.344	UTMZ7N_WGS84	Soil	RustyRed	Silt	ModerateNE	C	60	Frozen	Good	ForestBlackSpruce
111344	16/06/2011	JordanHarrington	611772.878	7046930.377	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateE	C	60	Frozen	Good	ForestBlackSpruce
111345	16/06/2011	JordanHarrington	611865.416	7046950.915	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	30	Frozen	Good	ForestBlackSpruce
111346	16/06/2011	JordanHarrington	611905.3208	7046938.379	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Frozen	Good	ForestBlackSpruce
111347	16/06/2011	JordanHarrington	612004.9181	7046943.558	UTMZ7N_WGS84	Soil	RustyRed	Silt	ModerateE	C	70	Dry	Good	ForestBlackSpruce
111348	16/06/2011	JordanHarrington	612064.6345	7046950.679	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Wet	Good	ForestBlackSpruce
111349	16/06/2011	JordanHarrington	612116.9408	7046966.127	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	30	Frozen	Good	ForestMixed
112237	12/06/2011	MarkLam	621052.6735	7042355.666	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	20	Moist	Good	SubAlpineBrush
112238	12/06/2011	MarkLam	620986.6479	7042331.411	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	20	Moist	Good	SubAlpineBrush
112239	12/06/2011	MarkLam	620933.2733	7042319.236	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Moist	Good	SubAlpineBrush
112240	12/06/2011	MarkLam	620932.32	7042318.084	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Moist	Good	ForestMixed
112241	12/06/2011	MarkLam	620876.4483	7042292.879	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	40	Moist	Excellent	AlpineBare
112242	12/06/2011	MarkLam	620821.4856	7042284.437	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	20	Moist	Poor	SubAlpineBrush
112243	12/06/2011	MarkLam	620812.1371	7042244.38	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Moist	Excellent	SubAlpineBrush
112244	12/06/2011	MarkLam	620753.3564	7042243.267	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	30	Moist	Good	SubAlpineBrush
112245	12/06/2011	MarkLam	620687.5518	7042243.339	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Excellent	SubAlpineBrush
112246	12/06/2011	MarkLam	620629.4778	7042267.014	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Good	SubAlpineBrush
112247	12/06/2011	MarkLam	620602.7844	7042300.576	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Good	SubAlpineBrush
112248	12/06/2011	MarkLam	620554.272	7042327.179	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	B	30	Moist	Good	SubAlpineBrush
112249	12/06/2011	MarkLam	620502.7848	7042327.016	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	B	40	Moist	Good	SubAlpineBrush
112250	12/06/2011	MarkLam	620442.5719	7042330.873	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Good	SubAlpineBrush
112251	12/06/2011	MarkLam	620396.3106	7042348.084	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Good	SubAlpineBrush
112252	12/06/2011	MarkLam	620358.7838	7042368.971	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateW	C	30	Moist	Good	SubAlpineBrush
112253	12/06/2011	MarkLam	620305.2329	7042374.644	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Moist	Excellent	SubAlpineBrush
112254	12/06/2011	MarkLam	620252.907	7042361.07	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	50	Dry	Excellent	SubAlpineBrush
112255	12/06/2011	MarkLam	620207.5739	7042357.687	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Moist	Good	SubAlpineBrush
112256	12/06/2011	MarkLam	620161.3331	7042361.184	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
112257	12/06/2011	MarkLam	620079.9913	7042383.434	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	40	Dry	Excellent	ForestMixed
112258	12/06/2011	MarkLam	620039.3109	7042403.425	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	40	Dry	Excellent	SubAlpineBrush
112259	12/06/2011	MarkLam	619988.6593	7042412.892	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	40	Dry	Excellent	SubAlpineBrush
112260	12/06/2011	MarkLam	619948.9996	7042413.741	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		C	50	Dry	Good	ForestMixed
112261	12/06/2011	MarkLam	619900.5124	7042416.043	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Moist	Excellent	ForestMixed
112262	12/06/2011	MarkLam	619869.6894	7042457.596	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	20	Moist	Poor	ForestMixed
112263	12/06/2011	MarkLam	619822.1648	7042472.76	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Moist	Poor	ForestMixed
112264	12/06/2011	MarkLam	619767.5462	7042480.409	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	30	Moist	Poor	ForestMixed
112265	12/06/2011	MarkLam	619767.2214	7042471.81	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	30	Moist	Poor	ForestMixed
112266	12/06/2011	MarkLam	619711.4192	7042484.434	UTMZ7N_WGS84	Lithosoil	Brown	Silt		C	30	Moist	Good	ForestMixed
112267	12/06/2011	MarkLam	619668.401	7042511.033	UTMZ7N_WGS84	Regolith	Brown	Silt		B	30	Moist	Poor	ForestMixed
112268	12/06/2011	MarkLam	619620.4144	7042496.071	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Poor	ForestMixed
112269	12/06/2011	MarkLam	619548.3298	7042504.295	UTMZ7N_WGS84	Colluvium	Pink	Sand		C	50	Dry	Excellent	ForestMixed
112270	12/06/2011	MarkLam	619475.1644	7042524.078	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Poor	ForestMixed
112271	12/06/2011	MarkLam	619422.25	7042542.169	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	80	Dry	Excellent	ForestMixed
112272	12/06/2011	MarkLam	619358.3019	7042527.505	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
112273	12/06/2011	MarkLam	619303.2974	7042568.158	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Good	ForestMixed
112274	14/06/2011	MarkLam	618151.5479	7049999.838	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112275	13/06/2011	MarkLam	618130.2439	7050043.209	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	30	Dry	Good	ForestMixed
112276	13/06/2011	MarkLam	618140.7848	7050124.789	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112277	13/06/2011	MarkLam	618178.7819	7050152.633	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
112278	13/06/2011	MarkLam	618214.966	7050181.079	UTMZ7N_WGS84	Colluvium	Blue	Silt	Flat	C	50	Dry	Excellent	ForestMixed
112279	13/06/2011	MarkLam	618245.7399	7050229.287	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	60	Dry	Excellent	ForestMixed
112280	13/06/2011	MarkLam	618252.3654	7050273.027	UTMZ7N_WGS84									

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112281	13/06/2011	MarkLam	618263.5182	7050306.007	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Poor	ForestMixed
112282	13/06/2011	MarkLam	618117.2787	7050073.618	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112283	13/06/2011	MarkLam	618210.5439	7049131.715	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112284	13/06/2011	MarkLam	618212.6121	7049175.063	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	20	Moist	Poor	ForestMixed
112285	13/06/2011	MarkLam	618230.4789	7049224.24	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112286	13/06/2011	MarkLam	618244.1391	7049290.211	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
112287	13/06/2011	MarkLam	618249.4352	7049328.326	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
112288	13/06/2011	MarkLam	618242.4177	7049371.224	UTMZ7N_WGS84	Soil	Green	Silt	Ridge	C	60	Moist	Excellent	ForestMixed
112289	13/06/2011	MarkLam	618260.2287	7049423.187	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112290	13/06/2011	MarkLam	618269.2117	7049465.119	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
112291	13/06/2011	MarkLam	618280.5225	7049472.566	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
112292	13/06/2011	MarkLam	618305.0157	7049533.365	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112293	13/06/2011	MarkLam	618289.2371	7049561.773	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112294	13/06/2011	MarkLam	618249.9506	7049605.812	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112295	13/06/2011	MarkLam	618246.1935	7049666.675	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112296	13/06/2011	MarkLam	618238.5633	7049720.702	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112298	13/06/2011	MarkLam	618227.0192	7049758.301	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	40	Dry	Good	ForestMixed
112299	13/06/2011	MarkLam	618183.9491	7049806.549	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112300	13/06/2011	MarkLam	618175.8236	7049857.882	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112301	13/06/2011	MarkLam	618144.8888	7049900.782	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112302	13/06/2011	MarkLam	618140.4348	7049942.995	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Frozen	Excellent	ForestMixed
112303	13/06/2011	MarkLam	618079.0389	7050120.486	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112304	13/06/2011	MarkLam	618040.879	7050155.87	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
112305	13/06/2011	MarkLam	618012.5885	7050194.632	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Poor	ForestMixed
112306	13/06/2011	MarkLam	617980.5209	7050228.012	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Dry	Poor	ForestMixed
112307	13/06/2011	MarkLam	617943.0583	7050256.732	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Dry	Excellent	ForestMixed
112308	13/06/2011	MarkLam	617913.5204	7050298.348	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
112309	14/06/2011	MarkLam	613796.3165	7044854.03	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112310	14/06/2011	MarkLam	613811.4957	7044795.805	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	30	Dry	Good	SubAlpineBrush
112311	14/06/2011	MarkLam	613768.7339	7044898.43	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	30	Dry	Good	SubAlpineBrush
112312	14/06/2011	MarkLam	613757.5783	7044969.512	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	30	Moist	Poor	SubAlpineBrush
112313	14/06/2011	MarkLam	613726.0262	7045041.426	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	30	Frozen	Poor	SubAlpineBrush
112314	14/06/2011	MarkLam	613691.744	7045088.041	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Moist	Excellent	SubAlpineBrush
112316	14/06/2011	MarkLam	613685.826	7045126.86	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Moist	Good	SubAlpineBrush
112317	14/06/2011	MarkLam	613649.1342	7045171.27	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	40	Moist	Good	SubAlpineBrush
112318	14/06/2011	MarkLam	613626.5551	7045219.307	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Moist	Poor	SubAlpineBrush
112319	14/06/2011	MarkLam	613608.0468	7045276.076	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Frozen	Poor	SubAlpineBrush
112320	14/06/2011	MarkLam	613578.0095	7045323.847	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	80	Dry	Excellent	BurnOld
112321	14/06/2011	MarkLam	613571.063	7045426.415	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
112322	14/06/2011	MarkLam	613558.6823	7045467.791	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Excellent	BurnOld
112323	14/06/2011	MarkLam	613568.4582	7045514.752	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Dry	Excellent	ForestMixed
112324	14/06/2011	MarkLam	613559.142	7045587.461	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Dry	Poor	BurnOld
112325	14/06/2011	MarkLam	613564.9117	7045637.848	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateNW	C	40	Dry	Excellent	BurnOld
112326	14/06/2011	MarkLam	613581.9905	7045700.571	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
112327	14/06/2011	MarkLam	613545.7148	7045771.203	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	SubAlpineBrush
112328	14/06/2011	MarkLam	613553.1346	7045811.613	UTMZ7N_WGS84	Colluvium	Brown		ModerateNW	C	40	Dry	Excellent	SubAlpineBrush
112329	14/06/2011	MarkLam	613534.6297	7045854.443	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112330	14/06/2011	MarkLam	613485.0481	7045897.614	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
112331	14/06/2011	MarkLam	613482.0379	7045955.494	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
112332	14/06/2011	MarkLam	613486.9525	7046004.735	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112333	14/06/2011	MarkLam	613481.4154	7046038.549	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112334	14/06/2011	MarkLam	613477.8684	7046100.313	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112335	14/06/2011	MarkLam	613451.4413	7046146.206	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112336	14/06/2011	MarkLam	613446.984	7046205.596	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Moist	Poor	ForestMixed
112337	14/06/2011	MarkLam	613418.1724	7046262.556	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
112708	22/07/2011	JoshJudson	611097.3546	7052420.92	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateNW	C	40	Moist	Good	ForestMixed
112709	22/07/2011	JoshJudson	611133.3489	7052449.946	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateW	C	50	Moist	Good	ForestMixed
112710	22/07/2011	JoshJudson	611175.5431	7052486.327	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	30	Moist	Excellent	ForestMixed
112711	22/07/2011	JoshJudson	611205.5468	7052516.148	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateN	C	40	Moist	Good	ForestMixed
112712	22/07/2011	JoshJudson	611231.7217	7052546.059	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateN	C	50	Moist	Good	ForestMixed
112713	22/07/2011	JoshJudson	611264.4376	7052576.422	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
112714	22/07/2011	JoshJudson	611318.7292	7052596.39	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Moist	Excellent	ForestMixed
112715	22/07/2011	JoshJudson	611358.7787	7052641.397	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
112716	22/07/2011	JoshJudson	611395.8716	7052674.368	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateNE	C	40	Moist	Good	ForestMixed
112717	22/07/2011	JoshJudson	611442.6888	7052697.756	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	40	Moist	Good	ForestMixed
112718	22/07/2011	JoshJudson	611471.004	7052733.097	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
112719	22/07/2011	JoshJudson	611510.8549	7052773.749	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	60	Moist	Good	ForestMixed
112720	22/07/2011	JoshJudson	611540.9114	7052801.903	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	50	Moist	Good	ForestMixed
112721	22/07/2011	JoshJudson	611576.7955	7052833.83	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	50	Dry	Good	ForestMixed
112722	22/07/2011	JoshJudson	611614.9244	7052872.528	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
112723	22/07/2011	JoshJudson	611658.4731	7052901.157	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
112724	22/07/2011	JoshJudson	611704.6659	7052933.672	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
112725	22/07/2011	JoshJudson	611737.3098	7052978.534	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
112726	22/07/2011	JoshJudson	611788.4002	7052991.82	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	60	Dry	Good	ForestMixed
112727	22/07/2011	JoshJudson	611829.915	7053028.743	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	80	Dry	Good	ForestMixed
112728	22/07/2011	JoshJudson	611856.7499	7053067.827	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	70	Dry	Excellent	ForestMixed
112729	22/07/2011	JoshJudson	611888.3123	7053095.368	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
112730	22/07/2011	JoshJudson	611924.9666	7053136.248	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	50	Moist	Good	ForestMixed
112731	22/07/2011	JoshJudson	611961.7639	7053163.194	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	50	Moist	Good	ForestMixed
112732	22/07/2011	JoshJudson	612005.4026	7053179.231	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	80	Moist	Good	ForestMixed
112733	22/07/2011	JoshJudson	612056.3633	7053210.135	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	60	Moist	Good	ForestMixed
112734	22/07/2011	JoshJudson	612090.1907	7053257.831	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateE	B	80	Moist	Poor	ForestMixed
112735	22/07/2011	JoshJudson	612123.5728	7053292.799	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateE	B	60	Frozen	Poor	ForestMixed
112736	22/07/2011	JoshJudson	612159.9949	7053324.641	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	C	90	Frozen	Good	ForestMixed
112737	22/07/2011	JoshJudson	612221.5761	7053337.412	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	C	100	Frozen	Poor	ForestMixed
112738	22/07/2011	JoshJudson	612253.5999	7053377.017	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	C	60	Moist	Good	ForestMixed
112739	22/07/2011	JoshJudson	612271.1251	7053408.081	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	B	70	Frozen	Poor	ForestMixed
112741	22/07/2011	JoshJudson	612319.4349	7053439.342	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	B	70	Frozen	Poor	ForestMixed
112742	22/07/2011	JoshJudson	612349.9492	7053472.427	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	C	80	Moist	Good	ForestMixed
112743	22/07/2011	JoshJudson	612393.3748	7053515.336	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	B	100	Moist	Good	ForestBlackSpruce
112744	22/07/2011	JoshJudson	612418.8902	7053550.698	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	80	Moist	Good	ForestBlackSpruce
112745	23/07/2011	JoshJudson	610374.623	7053260.912	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	B	50	Frozen	Poor	ForestMixed
112746	23/07/2011	JoshJudson	610418.8873	7053287.653	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateW	B	60	Frozen	Poor	ForestMixed
112747	23/07/2011	JoshJudson	610454.8767	7053330.946	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	50	Frozen	Poor	ForestMixed
112748	23/07/2011	JoshJudson	610487.7204	7053361.863	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	50	Frozen	Good	ForestMixed
112749	23/07/2011	JoshJudson	610538.3282	7053394.625	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	50	Frozen	Good	ForestMixed
112750	23/07/2011	JoshJudson	610570.6808	7053421.066	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	60	Frozen	Good	ForestMixed
112751	23/07/2011	JoshJudson	610611.1378	7053452.918	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Moist	Good	ForestMixed
112752	23/07/2011	JoshJudson	610650.0118	7053488.842	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	40	Moist	Good	ForestMixed
112753	23/07/2011	JoshJudson	610688.5535	7053529.996	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	60	Moist	Good	ForestMixed
112754	23/07/2011	JoshJudson	610724.4038	7053560.017	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	90	Dry	Excellent	ForestMixed
112755	23/07/2011	JoshJudson	610760.7173	7053586.709	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	60	Moist	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112756	23/07/2011	JoshJudson	610808.1958	7053616.468	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	40	Moist	Good	ForestMixed
112757	23/07/2011	JoshJudson	610839.3137	7053645.433	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	70	Moist	Good	ForestMixed
112758	23/07/2011	JoshJudson	610875.0959	7053681.587	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Moist	Excellent	ForestMixed
112759	23/07/2011	JoshJudson	610922.7083	7053707.449	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Excellent	ForestMixed
112760	23/07/2011	JoshJudson	610960.1019	7053750.016	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	100	Moist	Good	ForestMixed
112761	23/07/2011	JoshJudson	610993.7844	7053779.407	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	70	Moist	Good	ForestMixed
112762	23/07/2011	JoshJudson	611028.3051	7053814.626	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	60	Moist	Good	ForestMixed
112763	23/07/2011	JoshJudson	611071.8942	7053839.012	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	80	Moist	Good	ForestMixed
112764	23/07/2011	JoshJudson	611112.1056	7053869.079	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	80	Moist	Good	ForestMixed
112765	23/07/2011	JoshJudson	611156.9052	7053899.976	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	100	Moist	Good	ForestMixed
112766	23/07/2011	JoshJudson	611201.1971	7053939.666	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	90	Moist	Good	ForestMixed
112767	23/07/2011	JoshJudson	611220.0916	7053974.339	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	90	Moist	Good	ForestMixed
112768	23/07/2011	JoshJudson	611261.8539	7054016.729	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	60	Moist	Good	ForestMixed
112769	23/07/2011	JoshJudson	611302.17	7054030.967	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	40	Moist	Good	ForestMixed
112770	23/07/2011	JoshJudson	611326.6987	7054077.659	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	50	Moist	Good	ForestMixed
112771	23/07/2011	JoshJudson	611372.5434	7054098.449	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	70	Moist	Good	ForestMixed
112772	23/07/2011	JoshJudson	611414.0305	7054137.263	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateN	C	90	Wet	Poor	ForestMixed
112773	23/07/2011	JoshJudson	611444.322	7054165.424	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	60	Moist	Good	ForestMixed
112774	23/07/2011	JoshJudson	611499.0544	7054197.456	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	80	Wet	Poor	ForestMixed
112775	23/07/2011	JoshJudson	611521.2692	7054229.349	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	20	Frozen	Poor	ForestBlackSpruce
112776	23/07/2011	JoshJudson	611577.824	7054264.569	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	80	Moist	Good	ForestMixed
112777	23/07/2011	JoshJudson	611607.9928	7054290.498	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateN	B	100	Moist	Good	ForestMixed
112778	23/07/2011	JoshJudson	611642.7606	7054325.399	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateN	B	90	Wet	Poor	ForestMixed
112779	23/07/2011	JoshJudson	611683.3326	7054353.367	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateN	B	120	Wet	Poor	ForestMixed
112780	23/07/2011	JoshJudson	611718.6921	7054378.476	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	B	120	Wet	Poor	ForestMixed
112781	25/07/2011	JoshJudson	613158.6738	7053710.818	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateNE	C	90	Dry	Excellent	ForestMixed
112782	25/07/2011	JoshJudson	613215.0244	7053755.762	UTMZ7N_WGS84	Colluvium	Blue	Sand	ModerateNE	C	90	Dry	Excellent	ForestMixed
112783	25/07/2011	JoshJudson	613239.0279	7053778.922	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	B	100	Moist	Good	ForestMixed
112784	25/07/2011	JoshJudson	613283.6324	7053816.199	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateNE	C	60	Moist	Good	ForestMixed
112785	25/07/2011	JoshJudson	613318.5437	7053843.987	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateNE	C	90	Moist	Good	ForestMixed
112786	25/07/2011	JoshJudson	613357.2236	7053871.909	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	60	Moist	Good	ForestMixed
112787	25/07/2011	JoshJudson	613394.3583	7053909.702	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	70	Dry	Good	ForestMixed
112788	25/07/2011	JoshJudson	613430.4423	7053935.191	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	80	Moist	Good	ForestBlackSpruce
112789	25/07/2011	JoshJudson	613471.2142	7053968.431	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	B	50	Frozen	Poor	ForestBlackSpruce
112791	25/07/2011	JoshJudson	613520.0664	7054006.199	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	B	60	Frozen	Poor	ForestBlackSpruce
112792	25/07/2011	JoshJudson	613561.3	7054043.137	UTMZ7N_WGS84	Colluvium	Grey	Clay	Flat	B	80	Frozen	Poor	ForestBlackSpruce
112793	25/07/2011	JoshJudson	613588.0468	7054063.052	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateW	B	50	Frozen	Poor	ForestBlackSpruce
112794	25/07/2011	JoshJudson	613625.2545	7054097.282	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	50	Frozen	Poor	ForestBlackSpruce
112795	25/07/2011	JoshJudson	613658.933	7054128.821	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	50	Frozen	Poor	ForestBlackSpruce
112796	25/07/2011	JoshJudson	613703.4791	7054170.229	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	60	Dry	Good	ForestMixed
112797	25/07/2011	JoshJudson	613733.2633	7054205.086	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	60	Frozen	Poor	ForestMixed
112798	25/07/2011	JoshJudson	613771.1657	7054232.317	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	60	Frozen	Poor	ForestMixed
112799	25/07/2011	JoshJudson	613821.3745	7054256.979	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	80	Frozen	Good	ForestMixed
112800	25/07/2011	JoshJudson	613855.3885	7054295.67	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	70	Frozen	Poor	ForestMixed
112801	25/07/2011	JoshJudson	613933.9628	7054358.599	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateNW	B	30	Frozen	Poor	DrainageBrush
112802	25/07/2011	JoshJudson	613968.745	7054381.371	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	80	Frozen	Good	ForestMixed
112803	25/07/2011	JoshJudson	613998.84	7054421.26	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	60	Moist	Good	ForestMixed
112804	25/07/2011	JoshJudson	614047.2579	7054448.65	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
112805	25/07/2011	JoshJudson	614081.3502	7054498.832	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Good	ForestMixed
112806	25/07/2011	JoshJudson	614134.7114	7054525.397	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
112807	25/07/2011	JoshJudson	614162.5361	7054559.296	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	80	Dry	Excellent	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112808	25/07/2011	JoshJudson	614189.5978	7054595.064	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	90	Moist	Good	DrainageBrush
112809	25/07/2011	JoshJudson	614231.039	7054605.143	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateNW	B	80	Moist	Good	ForestMixed
112810	25/07/2011	JoshJudson	614274.8074	7054655.341	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Dry	Good	ForestMixed
112811	25/07/2011	JoshJudson	614321.7887	7054693.501	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	90	Dry	Good	ForestMixed
112812	25/07/2011	JoshJudson	614351.2902	7054722.109	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Dry	Good	ForestMixed
112813	25/07/2011	JoshJudson	614392.1866	7054738.974	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	60	Dry	Good	ForestMixed
112814	25/07/2011	JoshJudson	614429.0828	7054771.753	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	70	Dry	Good	ForestMixed
112815	25/07/2011	JoshJudson	614474.0625	7054807.501	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	70	Dry	Good	ForestMixed
112816	25/07/2011	JoshJudson	614511.796	7054832.17	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	60	Dry	Good	ForestMixed
112817	26/07/2011	JoshJudson	615931.626	7053173.395	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	70	Frozen	Good	ForestBlackSpruce
112818	26/07/2011	JoshJudson	615880.9192	7053136.414	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	80	Dry	Good	ForestMixed
112819	26/07/2011	JoshJudson	615850.8319	7053093.831	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
112820	26/07/2011	JoshJudson	615814.2533	7053057.59	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateE	C	50	Dry	Good	ForestMixed
112821	26/07/2011	JoshJudson	615776.6614	7053028.673	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	50	Dry	Good	ForestMixed
112822	26/07/2011	JoshJudson	615732.4247	7052985.797	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateE	C	50	Dry	Good	ForestMixed
112823	26/07/2011	JoshJudson	615693.9007	7052968.78	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateE	B	60	Dry	Good	ForestMixed
112824	26/07/2011	JoshJudson	615657.1488	7052931.754	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	60	Frozen	Good	ForestMixed
112825	26/07/2011	JoshJudson	615616.6751	7052894.593	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNE	B	60	Frozen	Good	ForestMixed
112826	26/07/2011	JoshJudson	615580.8506	7052862.063	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	30	Frozen	Poor	ForestMixed
112827	26/07/2011	JoshJudson	615540.1044	7052833.703	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	50	Dry	Good	ForestMixed
112828	26/07/2011	JoshJudson	615502.4504	7052811.813	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	50	Dry	Good	ForestMixed
112829	26/07/2011	JoshJudson	615455.6018	7052768.177	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	50	Moist	Good	ForestMixed
112830	26/07/2011	JoshJudson	615426.228	7052741.236	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	80	Moist	Good	ForestMixed
112831	26/07/2011	JoshJudson	615382.7106	7052709.767	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Moist	Good	ForestMixed
112832	26/07/2011	JoshJudson	615346.3044	7052679.449	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Moist	Good	ForestMixed
112833	26/07/2011	JoshJudson	615309.1146	7052641.965	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	60	Dry	Good	ForestMixed
112834	26/07/2011	JoshJudson	615265.5389	7052607.931	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
112835	26/07/2011	JoshJudson	615346.4797	7052537.939	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateNE	C	60	Dry	Good	ForestMixed
112836	26/07/2011	JoshJudson	615375.8572	7052566.217	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	60	Dry	Good	ForestMixed
112837	26/07/2011	JoshJudson	615421.3431	7052595.527	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	70	Moist	Good	ForestMixed
112838	26/07/2011	JoshJudson	615460.0216	7052639.869	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Dry	Excellent	ForestMixed
112839	26/07/2011	JoshJudson	615499.9722	7052666.972	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateNE	C	80	Dry	Good	ForestMixed
112841	26/07/2011	JoshJudson	615520.4884	7052697.048	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Good	ForestMixed
112842	26/07/2011	JoshJudson	615566.1615	7052726.591	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateNE	C	60	Dry	Good	ForestMixed
112843	26/07/2011	JoshJudson	615622.5535	7052767.342	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	20	Moist	Good	ForestMixed
112844	26/07/2011	JoshJudson	615659.1311	7052799.677	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Dry	Good	ForestMixed
112845	26/07/2011	JoshJudson	615692.6023	7052824.539	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	70	Dry	Good	ForestMixed
112846	26/07/2011	JoshJudson	615728.593	7052859.307	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	80	Moist	Good	ForestMixed
112847	26/07/2011	JoshJudson	615757.6288	7052880.439	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateNE	C	90	Frozen	Good	ForestBlackSpruce
112848	26/07/2011	JoshJudson	615793.9095	7052924.921	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNE	C	70	Dry	Good	ForestMixed
112849	26/07/2011	JoshJudson	615833.3561	7052962.939	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	90	Moist	Good	ForestMixed
112850	26/07/2011	JoshJudson	615879.0095	7052984.679	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Wet	Poor	ForestMixed
112851	26/07/2011	JoshJudson	615931.097	7053002.975	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	70	Dry	Good	ForestMixed
112852	26/07/2011	JoshJudson	615967.5161	7053050.363	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Frozen	Poor	ForestBlackSpruce
112853	26/07/2011	JoshJudson	615992.1849	7053082.155	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	30	Frozen	Poor	ForestBlackSpruce
112854	27/07/2011	JoshJudson	623178.9277	7043269.606	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	40	Moist	Good	ForestMixed
112855	27/07/2011	JoshJudson	623147.4338	7043299.17	UTMZ7N_WGS84	Colluvium	Brown	Gravel	SteepNW	C	30	Moist	Poor	SubAlpineBrush
112856	27/07/2011	JoshJudson	623107.5716	7043337.668	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	C	40	Moist	Good	SubAlpineBrush
112857	27/07/2011	JoshJudson	623072.233	7043380.356	UTMZ7N_WGS84	Colluvium	Brown	Silt	Drainage	C	40	Moist	Good	ForestMixed
112858	27/07/2011	JoshJudson	623046.6859	7043417.289	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateNE	B	40	Moist	Poor	SubAlpineBrush
112859	27/07/2011	JoshJudson	623017.6722	7043457.545	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	20	Dry	Poor	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112860	27/07/2011	JoshJudson	622982.2058	7043498.445	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	30	Moist	Poor	SubAlpineBrush
112861	27/07/2011	JoshJudson	622947.7692	7043535.927	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	30	Moist	Poor	SubAlpineBrush
112862	27/07/2011	JoshJudson	622887.1662	7043617.458	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Moist	Good	SubAlpineBrush
112863	27/07/2011	JoshJudson	622852.1015	7043651.906	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	30	Moist	Good	SubAlpineFir
112864	27/07/2011	JoshJudson	622806.5348	7043686.06	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Moist	Good	SubAlpineFir
112865	27/07/2011	JoshJudson	622780.544	7043733.35	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Moist	Good	SubAlpineFir
112866	27/07/2011	JoshJudson	622753.6751	7043764.657	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	60	Moist	Good	SubAlpineFir
112867	27/07/2011	JoshJudson	622728.1094	7043811.295	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Wet	Good	SubAlpineFir
112868	27/07/2011	JoshJudson	622693.0742	7043845.076	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Moist	Good	SubAlpineFir
112869	27/07/2011	JoshJudson	622662.7372	7043875.916	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Moist	Good	SubAlpineFir
112870	27/07/2011	JoshJudson	622632.0105	7043916.89	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Moist	Good	SubAlpineFir
112871	27/07/2011	JoshJudson	622707.8279	7043978.14	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	20	Moist	Good	SubAlpineFir
112872	27/07/2011	JoshJudson	622750.8507	7043938.756	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	20	Moist	Poor	ForestMixed
112873	27/07/2011	JoshJudson	622783.8633	7043913.485	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	30	Moist	Good	SubAlpineFir
112874	27/07/2011	JoshJudson	622814.2027	7043872.274	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	30	Moist	Poor	SubAlpineFir
112875	27/07/2011	JoshJudson	622839.0891	7043838.102	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	20	Frozen	Poor	SubAlpineFir
112876	27/07/2011	JoshJudson	622880.7632	7043789.857	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	60	Moist	Good	SubAlpineFir
112877	27/07/2011	JoshJudson	622905.7362	7043750.893	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Moist	Good	SubAlpineFir
112878	27/07/2011	JoshJudson	622925.2656	7043714.843	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Moist	Good	SubAlpineFir
112879	27/07/2011	JoshJudson	622952.8534	7043668.843	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	60	Moist	Good	SubAlpineFir
112880	27/07/2011	JoshJudson	623005.4059	7043637.079	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Moist	Good	ForestMixed
112881	27/07/2011	JoshJudson	623038.2264	7043610.464	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	60	Moist	Good	SubAlpineFir
112882	27/07/2011	JoshJudson	623064.5531	7043563.636	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepNW	C	40	Moist	Good	ForestMixed
112883	27/07/2011	JoshJudson	623091.6642	7043519.737	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	30	Moist	Good	SubAlpineFir
112884	27/07/2011	JoshJudson	623114.7648	7043485.499	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	20	Moist	Poor	SubAlpineFir
112885	27/07/2011	JoshJudson	623151.1886	7043452.11	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	40	Moist	Good	SubAlpineFir
112886	27/07/2011	JoshJudson	623195.5424	7043406.983	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	40	Moist	Good	SubAlpineBrush
112887	27/07/2011	JoshJudson	623224.0105	7043373.175	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	50		Good	SubAlpineBrush
112888	27/07/2011	JoshJudson	623256.1215	7043332.818	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	60	Moist	Good	SubAlpineBrush
112889	28/07/2011	JoshJudson	623557.0867	7043590.959	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Moist	Excellent	SubAlpineFir
112891	28/07/2011	JoshJudson	623524.0896	7043634.848	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Excellent	SubAlpineFir
112892	28/07/2011	JoshJudson	623491.5215	7043677.974	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	SubAlpineFir
112893	28/07/2011	JoshJudson	623460.7376	7043704.663	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNE	C	60	Moist	Excellent	SubAlpineFir
112894	28/07/2011	JoshJudson	623433.2457	7043742.855	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	60	Moist	Good	SubAlpineFir
112895	28/07/2011	JoshJudson	623395.0924	7043787.439	UTMZ7N_WGS84	Colluvium	Grey	Sand	Ridge	C	40	Dry	Good	SubAlpineBrush
112896	28/07/2011	JoshJudson	623361.3783	7043825.502	UTMZ7N_WGS84	Colluvium	Grey	Silt	Ridge	C	40	Dry	Excellent	SubAlpineFir
112897	28/07/2011	JoshJudson	623337.6386	7043856.926	UTMZ7N_WGS84	Colluvium	Grey	Silt	Ridge	C	40	Moist	Good	SubAlpineFir
112898	28/07/2011	JoshJudson	623297.9996	7043901.341	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	40	Moist	Good	SubAlpineFir
112899	28/07/2011	JoshJudson	623266.5879	7043928.9	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Moist	Good	SubAlpineFir
112900	28/07/2011	JoshJudson	623232.3021	7043971.515	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	SubAlpineFir
112901	28/07/2011	JoshJudson	623209.7909	7044015.033	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	C	40	Moist	Good	SubAlpineFir
112902	28/07/2011	JoshJudson	623168.8889	7044052.263	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Good	SubAlpineFir
112903	28/07/2011	JoshJudson	623153.8842	7044092.39	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Dry	Excellent	SubAlpineFir
112904	28/07/2011	JoshJudson	623115.7283	7044115.34	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	60	Dry	Excellent	SubAlpineFir
112905	28/07/2011	JoshJudson	623085.962	7044166.161	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Dry	Good	SubAlpineFir
112906	28/07/2011	JoshJudson	623048.1837	7044210.316	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Frozen	Good	SubAlpineFir
112907	28/07/2011	JoshJudson	623021.8992	7044239.414	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Frozen	Poor	SubAlpineFir
112908	28/07/2011	JoshJudson	622939.5175	7044172.995	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	SubAlpineFir
112909	28/07/2011	JoshJudson	622970.8087	7044132.938	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Moist	Good	SubAlpineFir
112910	28/07/2011	JoshJudson	623011.5774	7044105.515	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Moist	Good	SubAlpineFir
112911	28/07/2011	JoshJudson	623041.2991	7044062.275	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Moist	Good	SubAlpineFir

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112912	28/07/2011	JoshJudson	623076.268	7044023.81	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Moist	Good	SubAlpineFir
112913	28/07/2011	JoshJudson	623102.2025	7043985.778	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	40	Moist	Good	SubAlpineFir
112914	28/07/2011	JoshJudson	623138.9171	7043951.173	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Excellent	SubAlpineFir
112915	28/07/2011	JoshJudson	623167.1895	7043902.971	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Dry	Excellent	SubAlpineFir
112916	28/07/2011	JoshJudson	623192.9254	7043868.835	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Moist	Good	SubAlpineFir
112917	28/07/2011	JoshJudson	623222.4166	7043830.383	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	SubAlpineFir
112918	28/07/2011	JoshJudson	623255.8311	7043797.437	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Excellent	SubAlpineFir
112919	28/07/2011	JoshJudson	623296.6164	7043763.326	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Dry	Excellent	SubAlpineFir
112920	28/07/2011	JoshJudson	623326.2022	7043721.198	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	SubAlpineFir
112921	28/07/2011	JoshJudson	623358.1987	7043678.606	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	SubAlpineFir
112922	28/07/2011	JoshJudson	623385.274	7043633.148	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Good	SubAlpineFir
112923	28/07/2011	JoshJudson	623414.8888	7043598.048	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Dry	Excellent	SubAlpineFir
112924	28/07/2011	JoshJudson	623446.803	7043553.781	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	SubAlpineFir
112925	28/07/2011	JoshJudson	623485.0927	7043522.476	UTMZ7N_WGS84									
112926	29/07/2011	JoshJudson	619252.6885	7046631.042	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	20	Dry	Good	ForestMixed
112927	29/07/2011	JoshJudson	619316.9734	7046560.182	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	20	Dry	Good	ForestMixed
112928	29/07/2011	JoshJudson	619353.387	7046586.083	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
112929	29/07/2011	JoshJudson	619294.5589	7046665.4	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
112930	29/07/2011	JoshJudson	619328.4441	7046692.321	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
112931	29/07/2011	JoshJudson	619397.4278	7046607.699	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
112932	29/07/2011	JoshJudson	619431.3337	7046645.997	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Moist	Excellent	ForestMixed
112933	29/07/2011	JoshJudson	619371.5212	7046730.294	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
112934	29/07/2011	JoshJudson	619407.0208	7046756.608	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
112935	29/07/2011	JoshJudson	619472.2832	7046678.315	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateE	C	60	Dry	Good	ForestMixed
112936	29/07/2011	JoshJudson	619507.3799	7046717.998	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateE	C	60	Dry	Good	ForestMixed
112937	29/07/2011	JoshJudson	619436.9292	7046801.894	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	60	Moist	Good	ForestMixed
112938	29/07/2011	JoshJudson	619481.9921	7046828.01	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
112939	29/07/2011	JoshJudson	619549.0863	7046738.078	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	30	Dry	Good	ForestMixed
112941	29/07/2011	JoshJudson	619582.9235	7046784.74	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	30	Moist	Good	ForestMixed
112942	29/07/2011	JoshJudson	619521.6508	7046848.236	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	50	Moist	Good	ForestMixed
112943	29/07/2011	JoshJudson	619556.0899	7046878.861	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Moist	Good	ForestMixed
112944	29/07/2011	JoshJudson	619615.8321	7046800.475	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Moist	Good	ForestMixed
112945	29/07/2011	JoshJudson	619656.9413	7046837.709	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	20	Dry	Good	ForestMixed
112946	29/07/2011	JoshJudson	619595.0085	7046913.447	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Wet	Good	ForestMixed
112947	29/07/2011	JoshJudson	619641.2256	7046945.854	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNE	B	40	Moist	Good	ForestMixed
112948	29/07/2011	JoshJudson	619706.1683	7046865.546	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist	Good	ForestMixed
112949	29/07/2011	JoshJudson	619687.4491	7046989.972	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	50	Moist	Good	ForestMixed
112950	29/07/2011	JoshJudson	619711.7826	7047011.296	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	80	Frozen	Good	ForestMixed
112951	29/07/2011	JoshJudson	619815.1665	7046971.583	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Frozen	Good	ForestBlackSpruce
112952	29/07/2011	JoshJudson	619764.2854	7047051.191	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNE	B	80	Frozen	Good	ForestBlackSpruce
112953	29/07/2011	JoshJudson	619793.8409	7047072.602	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNE	B	70	Frozen	Good	ForestBlackSpruce
112954	29/07/2011	JoshJudson	619852.5124	7047004.217	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Frozen	Good	ForestBlackSpruce
112955	29/07/2011	JoshJudson	619887.6874	7047036.324	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Frozen	Good	ForestBlackSpruce
112956	29/07/2011	JoshJudson	619820.3506	7047104.827	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	60	Frozen	Poor	ForestBlackSpruce
112957	29/07/2011	JoshJudson	619919.8913	7047069.322	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	70	Frozen	Good	ForestBlackSpruce
112959	30/07/2011	JoshJudson	613602.1137	7047592.903	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	40	Dry	Good	ForestMixed
112960	30/07/2011	JoshJudson	613654.3469	7047572.355	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	B	30	Moist	Good	ForestMixed
112961	30/07/2011	JoshJudson	613710.8149	7047582.292	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Moist	Good	ForestMixed
112962	30/07/2011	JoshJudson	613750.3321	7047576.456	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Moist	Good	ForestMixed
112963	30/07/2011	JoshJudson	613807.6001	7047572.372	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	70	Dry	Good	ForestMixed
112964	30/07/2011	JoshJudson	613857.3833	7047578.615	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Frozen	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112965	30/07/2011	JoshJudson	613897.8879	7047579.954	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Frozen	Good	ForestMixed
112966	30/07/2011	JoshJudson	613946.7553	7047579.809	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNE	C	80	Moist	Excellent	ForestMixed
112967	30/07/2011	JoshJudson	614057.9534	7047580.116	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	60	Frozen	Poor	ForestBlackSpruce
112968	30/07/2011	JoshJudson	614112.7934	7047584.091	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Frozen	Poor	ForestBlackSpruce
112969	30/07/2011	JoshJudson	614162.1915	7047584.414	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Frozen	Poor	ForestBlackSpruce
112970	30/07/2011	JoshJudson	614207.8289	7047584.157	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	20	Moist	Good	ForestBlackSpruce
112971	30/07/2011	JoshJudson	614262.3363	7047573.849	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	40	Moist	Good	ForestBlackSpruce
112972	30/07/2011	JoshJudson	614315.6654	7047578.33	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	60	Moist	Good	ForestBlackSpruce
112973	30/07/2011	JoshJudson	614356.0016	7047570.525	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	30	Moist	Good	ForestBlackSpruce
112974	30/07/2011	JoshJudson	614412.2075	7047573.885	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	60	Dry	Good	ForestBlackSpruce
112975	30/07/2011	JoshJudson	614453.3736	7047570.683	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
112976	30/07/2011	JoshJudson	614457.556	7047476.603	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
112977	30/07/2011	JoshJudson	614402.7705	7047477.977	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	30	Dry	Good	ForestMixed
112978	30/07/2011	JoshJudson	614358.4322	7047475.267	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	60	Dry	Good	ForestMixed
112979	30/07/2011	JoshJudson	614301.9762	7047471.899	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
112980	30/07/2011	JoshJudson	614256.1193	7047476.83	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
112981	30/07/2011	JoshJudson	614202.3594	7047470.438	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	30	Dry	Good	ForestMixed
112982	30/07/2011	JoshJudson	614157.7491	7047475.304	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	40	Dry	Good	ForestMixed
112983	30/07/2011	JoshJudson	614105.9274	7047478.686	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	50	Frozen	Good	ForestBlackSpruce
112984	30/07/2011	JoshJudson	614056.8481	7047476.367	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Frozen	Poor	ForestBlackSpruce
112985	30/07/2011	JoshJudson	613999.9026	7047475.552	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Frozen	Good	ForestBlackSpruce
112986	30/07/2011	JoshJudson	613899.7465	7047482.222	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Frozen	Good	ForestBlackSpruce
112987	30/07/2011	JoshJudson	613856.7776	7047481.576	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Frozen	Good	ForestBlackSpruce
112988	30/07/2011	JoshJudson	613809.7869	7047486.25	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
112989	30/07/2011	JoshJudson	613765.4673	7047473.289	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	70	Wet	Good	ForestBlackSpruce
112991	30/07/2011	JoshJudson	613704.5298	7047481.146	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
112992	30/07/2011	JoshJudson	613648.8052	7047476.812	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Dry	Good	ForestMixed
112993	30/07/2011	JoshJudson	613601.7712	7047477.139	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Dry	Good	ForestMixed
113177	12/06/2011	LauraRatcliffe	620074.8694	7044052.751	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	30	Moist	Poor	ForestMixed
113178	12/06/2011	LauraRatcliffe	619991.0787	7044075.02	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	20	Wet	Poor	ForestMixed
113179	12/06/2011	LauraRatcliffe	619950.4015	7044088.878	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateW	B	20	Wet	Poor	ForestMixed
113180	12/06/2011	LauraRatcliffe	619893.1529	7044085.049	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	15	Wet	Poor	ForestMixed
113181	12/06/2011	LauraRatcliffe	619839.957	7044055.612	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	20	Wet	Poor	SubAlpineBrush
113182	12/06/2011	LauraRatcliffe	619796.5132	7044042.378	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	40	Wet	Good	SubAlpineBrush
113183	12/06/2011	LauraRatcliffe	619735.9242	7044033.297	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	40	Moist	Poor	SubAlpineBrush
113184	12/06/2011	LauraRatcliffe	619666.0678	7044026.879	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	40	Moist	Good	SubAlpineBrush
113185	12/06/2011	LauraRatcliffe	619613.6102	7044049.331	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Dry	Good	SubAlpineBrush
113186	12/06/2011	LauraRatcliffe	619558.8643	7044034.562	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	60	Dry	Excellent	SubAlpineBrush
113187	12/06/2011	LauraRatcliffe	619482.8121	7043991.447	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	15	Moist	Poor	SubAlpineBrush
113188	12/06/2011	LauraRatcliffe	619443.6508	7043942.358	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	20	Moist	Poor	SubAlpineBrush
113189	12/06/2011	LauraRatcliffe	619397.913	7043922.464	UTMZ7N_WGS84	Soil	RustyRed	Silt	ModerateW	B	20	Moist	Poor	SubAlpineBrush
113190	12/06/2011	LauraRatcliffe	619396.7319	7043920.747	UTMZ7N_WGS84	Soil	RustyRed	Silt	ModerateW	B	20	Moist	Poor	SubAlpineBrush
113191	12/06/2011	LauraRatcliffe	619376.5885	7043879.955	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	40	Moist	Good	SubAlpineBrush
113192	12/06/2011	LauraRatcliffe	619366.5163	7043836.307	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	20	Moist	Poor	SubAlpineBrush
113193	12/06/2011	LauraRatcliffe	619363.293	7043777.414	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
113194	12/06/2011	LauraRatcliffe	619308.945	7043738.575	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
113195	12/06/2011	LauraRatcliffe	619214.1251	7043692.088	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Dry	Excellent	ForestMixed
113196	12/06/2011	LauraRatcliffe	619210.4714	7043612.658	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	20	Moist	Poor	ForestMixed
113197	12/06/2011	LauraRatcliffe	619204.0891	7043490.303	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	C	40	Wet	Good	ForestMixed
113198	12/06/2011	LauraRatcliffe	619155.4843	7043434.953	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateW	B	40	Moist	Good	ForestMixed
113199	12/06/2011	LauraRatcliffe	619132.5138	7043398.964	UTMZ7N_WGS84	Lithosoil	Brown	Sand	ModerateW	C	40	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
113200	12/06/2011	LauraRatcliffe	619107.7428	7043312.5	UTMZ7N_WGS84	Colluvium	Red	Sand	ModerateW	C	60	Dry	Excellent	ForestMixed
113201	12/06/2011	LauraRatcliffe	619076.7881	7043247.441	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateW	C	50	Dry	Good	ForestMixed
113202	12/06/2011	LauraRatcliffe	619031.7412	7043210.07	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateW	C	65	Dry	Excellent	ForestMixed
113203	12/06/2011	LauraRatcliffe	618978.516	7043167.487	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	C	60	Moist	Good	ForestMixed
113204	12/06/2011	LauraRatcliffe	618977.3892	7043082.912	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSW	B	60	Moist	Good	ForestMixed
113205	12/06/2011	LauraRatcliffe	618959.1141	7043033.16	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	B	40	Moist	Good	ForestMixed
113206	12/06/2011	LauraRatcliffe	618912.7821	7042937.974	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSW	B	30	Dry	Poor	ForestBlackSpruce
113207	12/06/2011	LauraRatcliffe	618922.3008	7042884.576	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	B	20	Dry	Poor	ForestMixed
113664	22/07/2011	LauraRatcliffe	611253.3919	7052299.151	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	65	Moist	Good	ForestMixed
113665	22/07/2011	LauraRatcliffe	611308.0488	7052331.51	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateE	B	25	Moist	Good	ForestMixed
113666	22/07/2011	LauraRatcliffe	611335.79	7052360.696	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Moist	Good	ForestMixed
113667	22/07/2011	LauraRatcliffe	611362.1077	7052393.623	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	45	Moist	Good	ForestMixed
113668	22/07/2011	LauraRatcliffe	611409.0587	7052417.573	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	60	Moist	Good	ForestMixed
113669	22/07/2011	LauraRatcliffe	611455.066	7052459.89	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	45	Moist	Good	ForestMixed
113670	22/07/2011	LauraRatcliffe	611474.3307	7052489.894	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	45	Moist	Excellent	ForestMixed
113671	22/07/2011	LauraRatcliffe	611510.8572	7052507.904	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	65	Moist	Excellent	ForestPine
113672	22/07/2011	LauraRatcliffe	611553.9736	7052549.006	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	65	Moist	Excellent	ForestMixed
113673	22/07/2011	LauraRatcliffe	611599.4403	7052581.159	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	45	Moist	Excellent	ForestMixed
113674	22/07/2011	LauraRatcliffe	611656.277	7052620.515	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateE	C	45	Moist	Good	ForestMixed
113675	22/07/2011	LauraRatcliffe	611675.0283	7052645.262	UTMZ7N_WGS84	Colluvium	Brown		ModerateE	C	45	Moist	Good	ForestMixed
113676	22/07/2011	LauraRatcliffe	611664.8193	7052653.043	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	65	Moist	Good	ForestMixed
113677	22/07/2011	LauraRatcliffe	611733.6922	7052715.907	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	65	Moist	Excellent	ForestMixed
113678	22/07/2011	LauraRatcliffe	611775.6859	7052743.591	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Good	ForestMixed
113679	22/07/2011	LauraRatcliffe	611832.5061	7052779.047	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	65	Moist	Excellent	ForestMixed
113681	22/07/2011	LauraRatcliffe	611868.4051	7052804.845	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Moist	Good	ForestMixed
113682	22/07/2011	LauraRatcliffe	611900.8453	7052842.788	UTMZ7N_WGS84									
113683	22/07/2011	LauraRatcliffe	611925.6312	7052870.982	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	65	Moist	Good	ForestMixed
113684	22/07/2011	LauraRatcliffe	611978.3931	7052911.539	UTMZ7N_WGS84	Soil	BrownDark	Silt	Swamp	B	40	Frozen	Poor	ForestBlackSpruce
113685	22/07/2011	LauraRatcliffe	612020.6583	7052934.218	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	B	60	Frozen	Good	ForestMixed
113686	22/07/2011	LauraRatcliffe	612041.3617	7052978.104	UTMZ7N_WGS84	Colluvium	Brown		Flat	C	65	Moist	Excellent	ForestMixed
113687	22/07/2011	LauraRatcliffe	612077.0151	7053005.123	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60		Good	ForestMixed
113688	22/07/2011	LauraRatcliffe	612132.2625	7053037.072	UTMZ7N_WGS84	Colluvium	Brown	Silt	Swamp	B	65	Moist	Good	ForestMixed
113689	22/07/2011	LauraRatcliffe	612175.6383	7053081.649	UTMZ7N_WGS84	Soil	BrownLight	Clay	ModerateE	B	60	Dry	Good	ForestMixed
113690	22/07/2011	LauraRatcliffe	612218.1953	7053095.978	UTMZ7N_WGS84	Soil	BrownLight	Clay	ModerateE	B	60	Dry	Poor	ForestMixed
113691	22/07/2011	LauraRatcliffe	612239.3878	7053135.757	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	65	Moist	Excellent	ForestMixed
113692	22/07/2011	LauraRatcliffe	612269.9542	7053163.267	UTMZ7N_WGS84	Soil	BrownDark	Silt	Swamp	B	60	Wet	Good	ForestMixed
113694	22/07/2011	LauraRatcliffe	612320.9253	7053196.63	UTMZ7N_WGS84	Soil	BrownDark	Silt	Swamp	B	60	Frozen	Good	ForestMixed
113695	22/07/2011	LauraRatcliffe	612362.9465	7053220.42	UTMZ7N_WGS84	Lacustrian	Black	Silt	Swamp	B	20	Wet	Poor	ForestMixed
113697	22/07/2011	LauraRatcliffe	612497.1351	7053348.287	UTMZ7N_WGS84	Soil	BrownDark	Silt	Swamp	B	40	Wet	Good	ForestMixed
113698	22/07/2011	LauraRatcliffe	612545.1259	7053402.512	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Swamp	B	45	Wet	Good	ForestMixed
113700	23/07/2011	LauraRatcliffe	610496.0741	7053103.449	UTMZ7N_WGS84									
113701	23/07/2011	LauraRatcliffe	610550.3601	7053137.678	UTMZ7N_WGS84	Soil	Grey	Gravel	ModerateW	B	60	Wet	Good	ForestMixed
113702	23/07/2011	LauraRatcliffe	610595.1467	7053172.246	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	60	Moist	Good	ForestMixed
113703	23/07/2011	LauraRatcliffe	610613.3516	7053205.665	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	60	Moist	Good	ForestMixed
113704	23/07/2011	LauraRatcliffe	610655.9163	7053226.998	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	60	Dry	Good	ForestMixed
113705	23/07/2011	LauraRatcliffe	610703.8336	7053267.141	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	85	Moist	Good	ForestMixed
113706	23/07/2011	LauraRatcliffe	610735.6496	7053297.578	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	80	Wet	Poor	ForestMixed
113707	23/07/2011	LauraRatcliffe	610770.4005	7053337.82	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	45	Moist	Good	ForestMixed
113708	23/07/2011	LauraRatcliffe	610810.204	7053352.815	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	C	45	Moist	Good	ForestMixed
113709	23/07/2011	LauraRatcliffe	610844.5478	7053383.342	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Moist	Good	ForestMixed
113710	23/07/2011	LauraRatcliffe	610889.521	7053430.856	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	60	Moist	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
113711	23/07/2011	LauraRatcliffe	610943.2061	7053459.273	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	55	Moist	Good	ForestMixed
113712	23/07/2011	LauraRatcliffe	610971.1237	7053487.458	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	55	Moist	Excellent	ForestMixed
113713	23/07/2011	LauraRatcliffe	611007.0818	7053534.213	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
113714	23/07/2011	LauraRatcliffe	611042.3591	7053566.336	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	75	Moist	Excellent	ForestMixed
113715	23/07/2011	LauraRatcliffe	611083.7019	7053593.989	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	80	Moist	Good	ForestMixed
113716	23/07/2011	LauraRatcliffe	611123.3459	7053621.917	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	75	Moist	Good	ForestMixed
113717	23/07/2011	LauraRatcliffe	611153.6823	7053656.099	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	70	Moist	Good	ForestMixed
113718	23/07/2011	LauraRatcliffe	611192.4415	7053686.561	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	65	Moist	Excellent	ForestMixed
113719	23/07/2011	LauraRatcliffe	611229.5883	7053719.087	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	55	Moist	Good	ForestMixed
113720	23/07/2011	LauraRatcliffe	611270.0739	7053763.997	UTMZ7N_WGS84	Soil	Brown		ModerateNW	B	45	Moist	Good	ForestMixed
113721	23/07/2011	LauraRatcliffe	611314.476	7053782.17	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	45	Moist	Good	ForestMixed
113722	23/07/2011	LauraRatcliffe	611339.6662	7053811.489	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	45	Moist	Good	ForestMixed
113723	23/07/2011	LauraRatcliffe	611380.9973	7053854.869	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	45	Moist	Good	ForestMixed
113724	23/07/2011	LauraRatcliffe	611428.5264	7053885.754	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Moist	Good	ForestMixed
113725	23/07/2011	LauraRatcliffe	611456.4096	7053909.037	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Moist	Good	ForestMixed
113726	23/07/2011	LauraRatcliffe	611490.9487	7053950.618	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Moist	Excellent	ForestMixed
113727	23/07/2011	LauraRatcliffe	611539.967	7053972.971	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Moist	Excellent	ForestMixed
113728	23/07/2011	LauraRatcliffe	611565.3519	7054006.537	UTMZ7N_WGS84	Colluvium	Brown		Flat	C	50	Moist	Excellent	ForestMixed
113729	23/07/2011	LauraRatcliffe	611614.5095	7054037.594	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Flat	C	35	Dry	Good	ForestMixed
113730	23/07/2011	LauraRatcliffe	611646.5852	7054074.296	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	C	45	Moist	Excellent	ForestMixed
113731	23/07/2011	LauraRatcliffe	611680.1042	7054120.75	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	ModerateNW	C	55	Moist	Excellent	ForestMixed
113732	23/07/2011	LauraRatcliffe	611745.4038	7054131.859	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	60	Dry	Excellent	ForestMixed
113733	23/07/2011	LauraRatcliffe	611762.9926	7054168.163	UTMZ7N_WGS84	Lithosoil	Grey	Gravel	Flat	B	50	Wet	Poor	ForestMixed
113734	23/07/2011	LauraRatcliffe	611812.54	7054197.899	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	45	Dry	Good	ForestMixed
113735	23/07/2011	LauraRatcliffe	611844.546	7054228.021	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	40	Dry		ForestMixed
114162	24/07/2011	LaurenWilson	612964.5594	7053941.983	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	70	Dry	Good	ForestMixed
114163	24/07/2011	LaurenWilson	613002.7867	7053984.047	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	B	40	Dry	Good	ForestMixed
114164	24/07/2011	LaurenWilson	613047.8433	7054008.625	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	110	Dry	Good	ForestMixed
114165	24/07/2011	LaurenWilson	613083.2919	7054033.864	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	90	Dry	Good	ForestMixed
114166	24/07/2011	LaurenWilson	613126.5156	7054072.206	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	90	Dry	Good	ForestMixed
114167	24/07/2011	LaurenWilson	613164.035	7054113.132	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Ridge	C	80	Dry	Good	ForestMixed
114168	24/07/2011	LaurenWilson	613193.3718	7054139.827	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	80	Moist	Poor	ForestMixed
114169	24/07/2011	LaurenWilson	613231.8029	7054169.078	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	70	Moist	Poor	ForestMixed
114170	24/07/2011	LaurenWilson	613272.4055	7054197.291	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	80	Moist	Poor	ForestBlackSpruce
114171	24/07/2011	LaurenWilson	613310.9524	7054242.717	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	80	Moist	Poor	ForestBlackSpruce
114172	24/07/2011	LaurenWilson	613355.6399	7054267.732	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	100	Moist	Poor	ForestBlackSpruce
114173	24/07/2011	LaurenWilson	613393.6821	7054305	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Drainage	B	80	Moist	Poor	DrainageAlder
114174	24/07/2011	LaurenWilson	613447.9985	7054341.177	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Drainage	B	80	Moist	Poor	DrainageAlder
114175	24/07/2011	LaurenWilson	613476.7145	7054364.285	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	80	Moist	Poor	ForestMixed
114176	24/07/2011	LaurenWilson	613501.4067	7054391.597	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	60	Moist	Poor	ForestBlackSpruce
114177	24/07/2011	LaurenWilson	613531.1676	7054434.035	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	60	Moist	Poor	ForestBlackSpruce
114178	24/07/2011	LaurenWilson	613582.8641	7054469.787	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	80	Moist	Poor	ForestBlackSpruce
114179	24/07/2011	LaurenWilson	613617.5487	7054499.466	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	40	Moist	Poor	ForestBlackSpruce
114180	24/07/2011	LaurenWilson	613658.7154	7054525.586	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	60	Moist	Poor	ForestBlackSpruce
114181	24/07/2011	LaurenWilson	613690.2362	7054550.692	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	90	Dry	Good	ForestBlackSpruce
114182	24/07/2011	LaurenWilson	613741.0779	7054603.255	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	100	Dry	Good	ForestBlackSpruce
114183	24/07/2011	LaurenWilson	613765.734	7054631.461	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	110	Dry	Poor	ForestBlackSpruce
114184	24/07/2011	LaurenWilson	613821.56	7054659.893	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Poor	ForestBlackSpruce
114185	24/07/2011	LaurenWilson	613850.511	7054687.362	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
114186	24/07/2011	LaurenWilson	613899.7135	7054720.465	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	50	Dry	Good	ForestBirch
114187	24/07/2011	LaurenWilson	613939.6986	7054747.55	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	70	Dry	Good	ForestBirch

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
114188	24/07/2011	LaurenWilson	613977.9479	7054785.614	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	100	Dry	Good	ForestBirch
114189	24/07/2011	LaurenWilson	614012.3458	7054809.265	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	100	Moist	Poor	ForestMixed
114191	24/07/2011	LaurenWilson	614047.521	7054859.597	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	70	Moist	Good	ForestMixed
114192	24/07/2011	LaurenWilson	614079.1652	7054882.481	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	80	Moist	Poor	ForestBlackSpruce
114193	24/07/2011	LaurenWilson	614119.5717	7054912.93	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	60	Moist	Poor	ForestBlackSpruce
114194	24/07/2011	LaurenWilson	614158.3677	7054937.076	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	60	Moist	Poor	ForestBlackSpruce
114195	24/07/2011	LaurenWilson	614199.7902	7054972.357	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	90	Dry	Poor	ForestBlackSpruce
114196	24/07/2011	LaurenWilson	614232.1803	7055003.41	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Dry	Poor	ForestBlackSpruce
114197	24/07/2011	LaurenWilson	614265.3175	7055034.379	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	70	Dry	Poor	ForestBlackSpruce
114198	25/07/2011	LaurenWilson	613302.9554	7053574.121	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNE	B	40	Dry	Poor	ForestBirch
114199	25/07/2011	LaurenWilson	613334.9432	7053599.016	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
114200	25/07/2011	LaurenWilson	613373.5723	7053629.837	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	30	Moist	Poor	ForestBlackSpruce
114201	25/07/2011	LaurenWilson	613398.9632	7053664.199	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Moist	Poor	ForestBlackSpruce
114202	25/07/2011	LaurenWilson	613444.9177	7053694.278	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	50	Moist	Poor	ForestBlackSpruce
114203	25/07/2011	LaurenWilson	613485.6037	7053725.843	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	60	Moist	Poor	ForestBlackSpruce
114204	25/07/2011	LaurenWilson	613507.5855	7053765.214	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Drainage	B	40	Moist	Poor	DrainageAlder
114205	25/07/2011	LaurenWilson	613595.147	7053830.128	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Drainage	B	80	Moist	Poor	DrainageAlder
114206	25/07/2011	LaurenWilson	613634.5864	7053858.973	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	80	Moist	Poor	ForestMixed
114207	25/07/2011	LaurenWilson	613687.2638	7053885.617	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Dry	Good	ForestMixed
114208	25/07/2011	LaurenWilson	613712.0916	7053920.296	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNW	C	60	Dry	Good	ForestBirch
114209	25/07/2011	LaurenWilson	613743.2297	7053961.781	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	60	Moist	Good	ForestMixed
114210	25/07/2011	LaurenWilson	613777.4073	7053982.188	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	100	Moist	Good	ForestMixed
114211	25/07/2011	LaurenWilson	613824.3927	7054013.76	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	60	Moist	Good	ForestBlackSpruce
114212	25/07/2011	LaurenWilson	613859.5444	7054044.35	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	60	Moist	Poor	ForestBlackSpruce
114213	25/07/2011	LaurenWilson	613905.126	7054067.956	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Moist	Poor	ForestBlackSpruce
114214	25/07/2011	LaurenWilson	613929.6178	7054118.795	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	50	Moist	Poor	ForestBlackSpruce
114215	25/07/2011	LaurenWilson	613983.1679	7054155.512	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	60	Moist	Poor	ForestBlackSpruce
114216	25/07/2011	LaurenWilson	614021.8843	7054176.642	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	80	Moist	Poor	ForestBlackSpruce
114217	25/07/2011	LaurenWilson	614059.3167	7054221.033	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Moist	Poor	ForestBlackSpruce
114218	25/07/2011	LaurenWilson	614093.9825	7054249.824	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Moist	Poor	ForestBlackSpruce
114219	25/07/2011	LaurenWilson	614129.6945	7054279.881	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Moist	Poor	ForestBlackSpruce
114220	25/07/2011	LaurenWilson	614159.9656	7054307.957	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Moist	Poor	ForestBlackSpruce
114221	25/07/2011	LaurenWilson	614206.7859	7054343.878	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Moist	Poor	ForestBlackSpruce
114222	25/07/2011	LaurenWilson	614251.2864	7054394.548	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	B	70	Dry	Good	ForestMixed
114223	25/07/2011	LaurenWilson	614281.7848	7054405.238	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	80	Dry	Good	ForestBirch
114224	25/07/2011	LaurenWilson	614326.3145	7054438.514	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	80	Dry	Good	ForestBirch
114225	25/07/2011	LaurenWilson	614359.0151	7054477.608	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	80	Dry	Good	ForestMixed
114226	25/07/2011	LaurenWilson	614395.8651	7054502.133	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Moist	Poor	ForestBlackSpruce
114227	25/07/2011	LaurenWilson	614441.5929	7054525.529	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	110	Dry	Good	ForestBirch
114228	25/07/2011	LaurenWilson	614484.0554	7054569.215	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	110	Moist	Poor	ForestMixed
114229	25/07/2011	LaurenWilson	614524.3231	7054604.905	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateNW	C	60	Dry	Good	ForestBirch
114230	25/07/2011	LaurenWilson	614561.2628	7054626.87	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNW	C	60	Dry	Good	ForestAspen
114231	25/07/2011	LaurenWilson	614597.5747	7054653.831	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNW	C	60	Dry	Poor	ForestAspen
114232	25/07/2011	LaurenWilson	614636.2199	7054689.017	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNE	C	60	Dry	Poor	ForestAspen
114233	26/07/2011	LaurenWilson	613344.7332	7048757.626	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	50	Moist	Poor	ForestBlackSpruce
114234	26/07/2011	LaurenWilson	613297.5903	7048733.642	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateSE	B	40	Moist	Poor	ForestBlackSpruce
114235	26/07/2011	LaurenWilson	613207.01	7048743.573	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	B	40	Dry	Poor	ForestAspen
114236	26/07/2011	LaurenWilson	613154.8642	7048739.932	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	60	Dry	Poor	ForestMixed
114237	26/07/2011	LaurenWilson	613099.7221	7048739.419	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Poor	ForestAspen
114238	26/07/2011	LaurenWilson	613059.7002	7048727.736	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Poor	ForestBirch
114239	26/07/2011	LaurenWilson	612998.9655	7048719.443	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Poor	ForestBirch

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
114241	26/07/2011	LaurenWilson	612950.9836	7048753.979	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	40	Dry	Poor	ForestAspen
114242	26/07/2011	LaurenWilson	612914.7204	7048727.489	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Poor	ForestBirch
114243	26/07/2011	LaurenWilson	612868.4229	7048728.632	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	50	Dry	Good	ForestAspen
114244	26/07/2011	LaurenWilson	612808.4762	7048738.771	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Good	ForestAspen
114245	26/07/2011	LaurenWilson	612761.9119	7048755.852	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	60	Dry	Good	ForestAspen
114246	26/07/2011	LaurenWilson	612705.8971	7048750.52	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	80	Dry	Good	ForestAspen
114247	26/07/2011	LaurenWilson	612651.144	7048754.489	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	40	Dry	Good	ForestAspen
114248	26/07/2011	LaurenWilson	612600.074	7048738.74	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	30	Dry	Good	ForestAspen
114249	26/07/2011	LaurenWilson	612542.7062	7048750.536	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	30	Dry	Good	ForestAspen
114250	26/07/2011	LaurenWilson	612505.7137	7048741.755	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	100	Dry	Good	ForestAspen
114251	26/07/2011	LaurenWilson	612505.8028	7048838.997	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	30	Dry	Poor	ForestAspen
114252	26/07/2011	LaurenWilson	612566.2446	7048834.447	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	40	Moist	Poor	ForestAspen
114253	26/07/2011	LaurenWilson	612622.3649	7048829.744	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Good	ForestAspen
114254	26/07/2011	LaurenWilson	612684.6243	7048830.055	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	30	Dry	Poor	ForestAspen
114255	26/07/2011	LaurenWilson	612720.7794	7048831.56	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	30	Dry	Good	ForestAspen
114256	26/07/2011	LaurenWilson	612780.8569	7048851.311	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	60	Dry	Good	ForestAspen
114257	26/07/2011	LaurenWilson	612818.0468	7048830.663	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	40	Dry	Good	ForestAspen
114258	26/07/2011	LaurenWilson	612856.7623	7048816.091	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	40	Dry	Poor	ForestAspen
114259	26/07/2011	LaurenWilson	612915.947	7048846.963	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Poor	ForestAspen
114260	26/07/2011	LaurenWilson	612964.4767	7048834.749	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	40	Dry	Good	ForestAspen
114261	26/07/2011	LaurenWilson	613010.5957	7048831.593	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Good	ForestAspen
114262	26/07/2011	LaurenWilson	613066.1594	7048832.789	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Poor	ForestAspen
114263	26/07/2011	LaurenWilson	613098.234	7048842.74	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	40	Dry	Good	ForestAspen
114265	26/07/2011	LaurenWilson	613219.4975	7048828.657	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	30	Dry	Good	ForestAspen
114266	26/07/2011	LaurenWilson	613264.204	7048819.099	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	B	40	Dry	Good	ForestAspen
114267	26/07/2011	LaurenWilson	613312.9212	7048830.983	UTMZ7N_WGS84	Colluvium	Brown		Flat	B	40	Moist	Poor	ForestBlackSpruce
114268	26/07/2011	LaurenWilson	613366.7304	7048818.628	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	40	Moist	Poor	ForestBlackSpruce
114269	26/07/2011	LaurenWilson	613157.2554	7048826.441	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Dry	Poor	ForestMixed
114270	27/07/2011	LaurenWilson	616217.0838	7052739.768	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	80	Moist	Poor	ForestBlackSpruce
114271	27/07/2011	LaurenWilson	616168.9969	7052700.314	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	60	Moist	Poor	ForestBlackSpruce
114272	27/07/2011	LaurenWilson	616131.1653	7052681.978	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	80	Moist	Poor	ForestBlackSpruce
114273	27/07/2011	LaurenWilson	616090.2795	7052643.904	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114274	27/07/2011	LaurenWilson	616046.1652	7052608.5	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114275	27/07/2011	LaurenWilson	616013.6967	7052572.519	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	100	Moist	Poor	ForestBlackSpruce
114276	27/07/2011	LaurenWilson	615978.8997	7052558.088	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114277	27/07/2011	LaurenWilson	615935.7079	7052513.686	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	80	Moist	Poor	ForestBlackSpruce
114278	27/07/2011	LaurenWilson	615880.2218	7052482.107	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	80	Moist	Poor	ForestBlackSpruce
114279	27/07/2011	LaurenWilson	615855.9412	7052446.316	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Moist	Poor	ForestMixed
114280	27/07/2011	LaurenWilson	615815.4188	7052423.983	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Moist	Poor	ForestMixed
114281	27/07/2011	LaurenWilson	615773.9508	7052385.334	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
114282	27/07/2011	LaurenWilson	615733.7699	7052356.323	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
114283	27/07/2011	LaurenWilson	615693.8346	7052324.646	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Moist	Poor	ForestBlackSpruce
114284	27/07/2011	LaurenWilson	615658.2399	7052292.458	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114285	27/07/2011	LaurenWilson	615581.9198	7052232.469	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114286	27/07/2011	LaurenWilson	615519.4966	7052321.641	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Moist	Poor	ForestBlackSpruce
114287	27/07/2011	LaurenWilson	615573.9182	7052336.224	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestMixed
114288	27/07/2011	LaurenWilson	615614.1079	7052363.672	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	B	40	Moist	Poor	ForestMixed
114289	27/07/2011	LaurenWilson	615646.2952	7052402.092	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	B	50	Moist	Poor	ForestMixed
114291	27/07/2011	LaurenWilson	615693.1675	7052445.173	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
114292	27/07/2011	LaurenWilson	615715.0941	7052463.815	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Dry	Poor	ForestMixed
114293	27/07/2011	LaurenWilson	615774.7295	7052496.1	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Moist	Poor	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
114294	27/07/2011	LaurenWilson	615807.3625	7052531.75	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114295	27/07/2011	LaurenWilson	615838.6283	7052570.808	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114296	27/07/2011	LaurenWilson	615877.8895	7052596.329	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114297	27/07/2011	LaurenWilson	615919.5259	7052632.978	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
114298	27/07/2011	LaurenWilson	615949.7459	7052662.52	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114299	27/07/2011	LaurenWilson	615995.1978	7052693.956	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114300	27/07/2011	LaurenWilson	616022.677	7052726.409	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	80	Moist	Poor	ForestBlackSpruce
114301	27/07/2011	LaurenWilson	616067.2745	7052763.503	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
114302	27/07/2011	LaurenWilson	616109.6353	7052787.022	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114303	27/07/2011	LaurenWilson	616146.6014	7052812.686	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	80	Moist	Poor	ForestBlackSpruce
114304	27/07/2011	LaurenWilson	616178.0008	7052860.116	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114305	28/07/2011	LaurenWilson	621291.9749	7046722.088	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	B	40	Moist	Good	SubAlpineAlder
114306	28/07/2011	LaurenWilson	621233.0735	7046693.634	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Poor	ForestMixed
114307	28/07/2011	LaurenWilson	621204.0604	7046664.647	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	30	Moist	Good	ForestAspen
114308	28/07/2011	LaurenWilson	621174.5605	7046632.742	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	60	Dry	Good	ForestAspen
114309	28/07/2011	LaurenWilson	621137.9856	7046608.82	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	50	Dry	Good	ForestAspen
114310	28/07/2011	LaurenWilson	621078.0789	7046570.071	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	40	Dry	Good	ForestAspen
114311	28/07/2011	LaurenWilson	621050.6354	7046533.784	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	30	Dry	Good	ForestAspen
114312	28/07/2011	LaurenWilson	621000.3629	7046519.157	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	100	Dry	Good	ForestAspen
114313	28/07/2011	LaurenWilson	620981.7827	7046484.101	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	B	40	Dry	Poor	ForestAspen
114314	28/07/2011	LaurenWilson	621045.6302	7046393.182	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	80	Dry	Good	ForestAspen
114315	28/07/2011	LaurenWilson	621082.2481	7046438.294	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	70	Moist	Poor	ForestMixed
114316	28/07/2011	LaurenWilson	621114.7437	7046463.509	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	40	Dry	Good	ForestAspen
114317	28/07/2011	LaurenWilson	621150.9405	7046490.873	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	40	Dry	Good	ForestAspen
114318	28/07/2011	LaurenWilson	621192.425	7046529.703	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	60	Dry	Good	ForestAspen
114319	28/07/2011	LaurenWilson	621222.3337	7046554.82	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	50	Dry	Good	ForestAspen
114320	28/07/2011	LaurenWilson	621280.2247	7046590.262	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	70	Dry	Good	ForestMixed
114321	28/07/2011	LaurenWilson	621312.1431	7046613.561	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	40	Dry	Good	ForestMixed
114322	28/07/2011	LaurenWilson	621352.3681	7046661.825	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	50	Moist	Good	SubAlpineAlder
114323	28/07/2011	LaurenWilson	621641.9945	7046900.18	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
114324	28/07/2011	LaurenWilson	621610.4153	7046882.466	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	40	Dry	Good	ForestBlackSpruce
114325	28/07/2011	LaurenWilson	621576.8923	7046845.273	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Poor	ForestBlackSpruce
114326	28/07/2011	LaurenWilson	621543.6584	7046812.217	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	40	Dry	Good	ForestBlackSpruce
114327	28/07/2011	LaurenWilson	621497.1807	7046787.021	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	60	Dry	Good	ForestBlackSpruce
114328	28/07/2011	LaurenWilson	621468.1779	7046738.292	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	40	Dry	Good	ForestBlackSpruce
114329	28/07/2011	LaurenWilson	621430.6168	7046718.121	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	60	Moist	Poor	ForestBlackSpruce
114330	28/07/2011	LaurenWilson	621389.8246	7046688.682	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
114331	29/07/2011	LaurenWilson	613606.1941	7047060.791	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Poor	ForestMixed
114332	29/07/2011	LaurenWilson	613680.9037	7047077.177	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Poor	ForestMixed
114333	29/07/2011	LaurenWilson	613717.0975	7047062.859	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed
114334	29/07/2011	LaurenWilson	613761.2918	7047076.706	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	40	Dry	Good	ForestMixed
114335	29/07/2011	LaurenWilson	613816.2853	7047086.368	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	80	Dry	Good	ForestMixed
114336	29/07/2011	LaurenWilson	613855.2321	7047082.744	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	50	Dry	Good	ForestMixed
114337	29/07/2011	LaurenWilson	613909.169	7047080.215	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	80	Dry	Good	ForestMixed
114338	29/07/2011	LaurenWilson	613956.8817	7047075.01	UTMZ7N_WGS84									
114339	29/07/2011	LaurenWilson	614012.6285	7047069.202	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	70	Moist	Good	ForestMixed
114341	29/07/2011	LaurenWilson	614064.7438	7047073.078	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	60	Dry	Good	ForestMixed
114342	29/07/2011	LaurenWilson	614107.9158	7047069.608	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	60	Dry	Poor	ForestBlackSpruce
114343	29/07/2011	LaurenWilson	614155.2449	7047077.886	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	100	Dry	Good	ForestMixed
114344	29/07/2011	LaurenWilson	614209.2589	7047080.16	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	60	Dry	Good	ForestMixed
114345	29/07/2011	LaurenWilson	614256.3078	7047076.832	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	50	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
114346	29/07/2011	LaurenWilson	614312.2269	7047069.028	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	50	Dry	Good	ForestMixed
114347	29/07/2011	LaurenWilson	614356.2761	7047081.317	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	60	Dry	Good	ForestMixed
114348	29/07/2011	LaurenWilson	614394.5466	7047082.693	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	60	Dry	Good	ForestMixed
114349	29/07/2011	LaurenWilson	614444.8577	7047074.467	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	70	Dry	Good	ForestMixed
114350	29/07/2011	LaurenWilson	614455.2848	7047187.138	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	40	Dry	Good	ForestMixed
114351	29/07/2011	LaurenWilson	614405.9234	7047174.545	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	40	Dry	Good	ForestMixed
114352	29/07/2011	LaurenWilson	614355.8383	7047176.535	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	40	Dry	Good	ForestMixed
114353	29/07/2011	LaurenWilson	614306.7392	7047178.784	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	B	30	Dry	Good	ForestMixed
114354	29/07/2011	LaurenWilson	614260.5153	7047188.275	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	60	Dry	Poor	ForestMixed
114355	29/07/2011	LaurenWilson	614212.8586	7047178.088	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	50	Dry	Good	ForestMixed
114356	29/07/2011	LaurenWilson	614164.5578	7047176.131	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	30	Moist	Poor	ForestMixed
114357	29/07/2011	LaurenWilson	614103.0249	7047183.736	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	40	Dry	Poor	ForestMixed
114358	29/07/2011	LaurenWilson	614066.6568	7047179.309	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	50	Dry	Good	ForestMixed
114359	29/07/2011	LaurenWilson	614005.8333	7047178.243	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Dry	Poor	ForestMixed
114360	29/07/2011	LaurenWilson	613966.7866	7047177.736	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	50	Dry	Poor	ForestMixed
114361	29/07/2011	LaurenWilson	613915.9725	7047179.26	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	80	Dry	Good	ForestMixed
114362	29/07/2011	LaurenWilson	613855.8673	7047173.428	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	60	Dry	Poor	ForestMixed
114363	29/07/2011	LaurenWilson	613815.4423	7047179.453	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	60	Dry	Good	ForestMixed
114364	29/07/2011	LaurenWilson	613762.251	7047177.884	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	60	Dry	Poor	ForestMixed
114365	29/07/2011	LaurenWilson	613711.258	7047184.424	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	80	Dry	Good	SubAlpineAlder
114366	29/07/2011	LaurenWilson	613659.8104	7047180.02	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	80	Dry	Good	SubAlpineAlder
114367	29/07/2011	LaurenWilson	613606.9257	7047161.515	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Dry	Poor	SubAlpineAlder
115159	12/06/2011	NedaDokic	620967.1479	7043114.023	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	SubAlpineBrush
115160	12/06/2011	NedaDokic	620989.778	7043154.585	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Wet	Good	SubAlpineBrush
115161	12/06/2011	NedaDokic	621031.3544	7043185.719	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Flat	B	40	Wet	Poor	SubAlpineBrush
115162	12/06/2011	NedaDokic	621103.7803	7043243.008	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNE	B	50	Wet	Good	SubAlpineBrush
115163	12/06/2011	NedaDokic	621529.7692	7044004.339	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Moist	Good	ForestMixed
115164	12/06/2011	NedaDokic	623121.2628	7044877.855	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
115165	12/06/2011	NedaDokic	623075.7848	7044848.214	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Dry	Excellent	ForestMixed
115166	12/06/2011	NedaDokic	623011.7834	7044860.908	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Dry	Excellent	ForestMixed
115167	12/06/2011	NedaDokic	622975.3056	7044867.752	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Dry	Excellent	ForestMixed
115168	12/06/2011	NedaDokic	622917.7795	7044850.808	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	45	Dry	Excellent	ForestMixed
115169	12/06/2011	NedaDokic	622868.6795	7044849.136	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Excellent	ForestMixed
115170	12/06/2011	NedaDokic	622815.2068	7044847.184	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	45	Moist	Excellent	ForestMixed
115171	12/06/2011	NedaDokic	622772.0206	7044843.287	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Wet	Excellent	ForestMixed
115172	12/06/2011	NedaDokic	622716.4341	7044838.021	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Excellent	ForestMixed
115173	12/06/2011	NedaDokic	622674.0659	7044829.696	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Frozen	Good	ForestMixed
115174	12/06/2011	NedaDokic	622623.4287	7044836.891	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	40	Frozen	Good	ForestMixed
115175	12/06/2011	NedaDokic	622563.0294	7044822.073	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Frozen	Good	ForestMixed
115176	12/06/2011	NedaDokic	622524.8809	7044823.17	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Dry	Excellent	ForestMixed
115177	12/06/2011	NedaDokic	622472.6425	7044815.026	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateW	C	50	Dry	Excellent	ForestMixed
115178	12/06/2011	NedaDokic	622419.8763	7044801.174	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
115179	12/06/2011	NedaDokic	622370.109	7044809.075	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Frozen	Good	ForestMixed
115180	13/06/2011	NedaDokic	618397.4617	7046685.191	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	ForestMixed
115181	13/06/2011	NedaDokic	618359.2608	7046668.379	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115182	13/06/2011	NedaDokic	618299.5478	7046647.757	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Dry	Good	ForestMixed
115183	13/06/2011	NedaDokic	618268.7401	7046623.526	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
115184	13/06/2011	NedaDokic	618181.7415	7046562.859	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Moist	Excellent	ForestMixed
115185	13/06/2011	NedaDokic	618136.4412	7046536.084	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
115186	13/06/2011	NedaDokic	618048.9785	7046482.43	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
115187	13/06/2011	NedaDokic	618004.977	7046456.82	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
115188	13/06/2011	NedaDokic	617966.7776	7046422.393	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
115189	13/06/2011	NedaDokic	617926.8426	7046395.821	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	40	Dry	Excellent	ForestMixed
115190	13/06/2011	NedaDokic	617922.0644	7046352.819	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
115191	13/06/2011	NedaDokic	617902.6678	7046293.218	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	40	Dry	Good	ForestMixed
115192	13/06/2011	NedaDokic	617892.5503	7046259.944	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	30	Dry	Good	ForestMixed
115193	13/06/2011	NedaDokic	617870.8785	7046203.938	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	40	Dry	Excellent	ForestMixed
115194	13/06/2011	NedaDokic	617831.1087	7046171.462	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115195	13/06/2011	NedaDokic	617798.7153	7046013.688	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	40	Dry	Good	ForestMixed
115196	13/06/2011	NedaDokic	617785.9206	7045966.598	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
115197	13/06/2011	NedaDokic	617773.7448	7045908.157	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
115198	13/06/2011	NedaDokic	617751.5424	7045875.775	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
115199	13/06/2011	NedaDokic	617735.3693	7045828.45	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepS	C	60	Dry	Excellent	ForestMixed
115200	13/06/2011	NedaDokic	617716.2302	7045787.26	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepS	C	50	Dry	Excellent	ForestMixed
115201	13/06/2011	NedaDokic	617689.0866	7045733.618	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	60	Dry	Excellent	ForestMixed
115202	13/06/2011	NedaDokic	617675.8707	7045688.409	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	60	Dry	Excellent	ForestMixed
115203	13/06/2011	NedaDokic	617666.9333	7045654.065	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	60	Dry	Excellent	ForestMixed
115204	13/06/2011	NedaDokic	617638.423	7045595.578	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
115205	13/06/2011	NedaDokic	617627.5766	7045536.072	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	ModerateS	C	40	Dry	Excellent	ForestMixed
115206	15/06/2011	NedaDokic	613596.3412	7047057.986	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Excellent	ForestMixed
115207	14/06/2011	NedaDokic	613634.9488	7047094.492	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
115208	14/06/2011	NedaDokic	613667.6849	7047132.35	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
115209	14/06/2011	NedaDokic	613696.8143	7047159.709	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	60	Dry	Excellent	ForestMixed
115210	14/06/2011	NedaDokic	613738.1248	7047202.669	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	55	Dry	Excellent	ForestMixed
115211	14/06/2011	NedaDokic	613776.7884	7047216.654	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
115212	14/06/2011	NedaDokic	613826.7181	7047225.912	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	50	Dry	Excellent	ForestMixed
115213	14/06/2011	NedaDokic	613886.2269	7047241.424	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
115214	14/06/2011	NedaDokic	613972.0736	7047287.098	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	60	Dry	Excellent	ForestMixed
115215	14/06/2011	NedaDokic	614026.5912	7047275.224	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	40	Dry	Excellent	ForestMixed
115216	14/06/2011	NedaDokic	614065.5521	7047305.839	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Excellent	ForestMixed
115217	14/06/2011	NedaDokic	614117.9094	7047323.664	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115218	14/06/2011	NedaDokic	614165.4705	7047344.774	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115219	14/06/2011	NedaDokic	614217.8291	7047351.45	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	60	Dry	Excellent	ForestMixed
115220	14/06/2011	NedaDokic	614262.4547	7047373.906	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115221	14/06/2011	NedaDokic	614313.8162	7047398.613	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115222	14/06/2011	NedaDokic	614356.207	7047402.925	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115223	14/06/2011	NedaDokic	614401.3393	7047434.769	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115224	14/06/2011	NedaDokic	614453.2543	7047442.659	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115225	14/06/2011	NedaDokic	614485.2559	7047472.916	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	30	Dry	Excellent	ForestMixed
115226	14/06/2011	NedaDokic	614538.7805	7047480.308	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
115227	14/06/2011	NedaDokic	614580.8915	7047508.923	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115228	14/06/2011	NedaDokic	614631.0472	7047529.689	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115229	14/06/2011	NedaDokic	614686.6682	7047546.526	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115230	14/06/2011	NedaDokic	614723.5284	7047562.018	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Excellent	ForestMixed
115231	14/06/2011	NedaDokic	614758.5925	7047594.173	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	30	Dry	Excellent	ForestMixed
115232	14/06/2011	NedaDokic	614798.9628	7047613.027	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
115233	14/06/2011	NedaDokic	614854.4226	7047620.494	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115234	14/06/2011	NedaDokic	614902.3646	7047618.434	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	40	Dry	Excellent	ForestMixed
115235	14/06/2011	NedaDokic	614958.0041	7047623.679	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115236	14/06/2011	NedaDokic	615006.1303	7047635.791	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115237	14/06/2011	NedaDokic	615052.2712	7047642.255	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115238	14/06/2011	NedaDokic	615099.4193	7047649.76	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	50	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
115239	14/06/2011	NedaDokic	615155.9097	7047649.352	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
115241	14/06/2011	NedaDokic	615201.5665	7047634.836	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
115242	14/06/2011	NedaDokic	615252.3014	7047625.746	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	40	Dry	Excellent	ForestMixed
115243	14/06/2011	NedaDokic	615296.9049	7047608.74	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
115244	14/06/2011	NedaDokic	615345.7539	7047583.078	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
115245	14/06/2011	NedaDokic	615385.5336	7047570.136	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
115246	14/06/2011	NedaDokic	615438.0529	7047558.548	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
115247	14/06/2011	NedaDokic	615493.7397	7047546.073	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepE	C	60	Dry	Excellent	ForestMixed
115248	14/06/2011	NedaDokic	615529.2376	7047531.862	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepE	C	40	Dry	Excellent	ForestMixed
115249	14/06/2011	NedaDokic	615577.6046	7047515.442	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepE	C	50	Dry	Excellent	ForestMixed
115250	14/06/2011	NedaDokic	615637.5623	7047497.772	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepE	C	50	Dry	Excellent	ForestMixed
115251	14/06/2011	NedaDokic	615678.2706	7047467.581	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepE	C	50	Dry	Excellent	ForestMixed
115252	14/06/2011	NedaDokic	615731.7494	7047461.163	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepE	C	50	Dry	Excellent	ForestMixed
115253	14/06/2011	NedaDokic	615761.7333	7047415.306	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepE	C	60	Dry	Excellent	ForestMixed
115254	14/06/2011	NedaDokic	615803.6843	7047387.95	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepE	C	40	Dry	Excellent	ForestMixed
115255	14/06/2011	NedaDokic	615843.2291	7047354.262	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepE	C	40	Dry	Excellent	ForestMixed
115256	14/06/2011	NedaDokic	615873.2936	7047318.557	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
115257	14/06/2011	NedaDokic	615906.6641	7047289.105	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
115258	14/06/2011	NedaDokic	615937.1754	7047245.276	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
115259	15/06/2011	NedaDokic	607720.99	7052705.839	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115260	15/06/2011	NedaDokic	607760.5398	7052696.701	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115261	15/06/2011	NedaDokic	607817.6253	7052697.747	UTMZ7N_WGS84	Colluvium	Grey	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115262	15/06/2011	NedaDokic	607873.1922	7052699.636	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115263	15/06/2011	NedaDokic	607916.6897	7052679.594	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115264	15/06/2011	NedaDokic	607963.4504	7052673.156	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	45	Dry	Excellent	ForestMixed
115265	15/06/2011	NedaDokic	608014.9505	7052663.2	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115266	15/06/2011	NedaDokic	608061.2456	7052654.406	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115267	15/06/2011	NedaDokic	608109.2518	7052650.801	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115268	15/06/2011	NedaDokic	608167.0717	7052634.707	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115269	15/06/2011	NedaDokic	608212.3819	7052641.715	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	45	Dry	Excellent	ForestMixed
115270	15/06/2011	NedaDokic	608250.2934	7052609.333	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115271	15/06/2011	NedaDokic	608293.9512	7052589.079	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115272	15/06/2011	NedaDokic	608335.6168	7052564.631	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115273	15/06/2011	NedaDokic	608378.8818	7052537.005	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	60	Dry	Excellent	ForestMixed
115274	15/06/2011	NedaDokic	608426.3877	7052507.406	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	60	Dry	Excellent	ForestMixed
115275	15/06/2011	NedaDokic	608469.8041	7052489.933	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115276	15/06/2011	NedaDokic	608509.4913	7052462.409	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115277	15/06/2011	NedaDokic	608557.2824	7052440.515	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115278	15/06/2011	NedaDokic	608604.6739	7052427.418	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry	Excellent	ForestMixed
115279	15/06/2011	NedaDokic	608639.3591	7052395.153	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115280	15/06/2011	NedaDokic	608688.6712	7052368.072	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115281	15/06/2011	NedaDokic	608730.4115	7052343.074	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115282	15/06/2011	NedaDokic	608775.0533	7052320.407	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115283	15/06/2011	NedaDokic	608822.5431	7052300.179	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	C	30	Dry	Excellent	ForestMixed
115284	15/06/2011	NedaDokic	608864.1862	7052273.73	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry	Excellent	ForestMixed
115285	15/06/2011	NedaDokic	608905.952	7052250.966	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	C	50	Dry	Excellent	ForestMixed
115286	15/06/2011	NedaDokic	608960.4142	7052220.163	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
115287	15/06/2011	NedaDokic	608990.1274	7052193.975	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
115288	15/06/2011	NedaDokic	609035.3761	7052174.008	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
115289	15/06/2011	NedaDokic	609075.6673	7052150.861	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	30	Dry	Good	ForestMixed
115291	15/06/2011	NedaDokic	609110.746	7052117.499	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Dry	Poor	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
115292	15/06/2011	NedaDokic	609131.4824	7052066.361	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
115293	15/06/2011	NedaDokic	609153.9632	7052020.858	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Dry	Good	ForestMixed
115294	15/06/2011	NedaDokic	609169.9706	7051974.352	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNW	C	40	Dry	Excellent	ForestMixed
115295	15/06/2011	NedaDokic	609182.944	7051925.065	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Dry	Excellent	ForestMixed
115296	15/06/2011	NedaDokic	609204.8984	7051889.134	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Flat	C	30	Dry	Excellent	ForestMixed
115297	15/06/2011	NedaDokic	609218.6133	7051838.535	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Good	ForestMixed
115298	15/06/2011	NedaDokic	609236.3437	7051795.434	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	40	Dry	Excellent	ForestMixed
115299	15/06/2011	NedaDokic	609251.7592	7051737.311	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	45	Dry	Excellent	ForestMixed
115300	15/06/2011	NedaDokic	609263.9546	7051696.249	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Good	ForestMixed
115301	15/06/2011	NedaDokic	609288.7349	7051644.693	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Excellent	ForestMixed
115302	15/06/2011	NedaDokic	609301.9126	7051601.101	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Excellent	ForestMixed
115303	15/06/2011	NedaDokic	609318.0953	7051556.832	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115304	15/06/2011	NedaDokic	609338.5102	7051502.227	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115305	15/06/2011	NedaDokic	609358.565	7051459.541	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115306	15/06/2011	NedaDokic	609371.2368	7051413.367	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Excellent	ForestMixed
115307	15/06/2011	NedaDokic	609392.3015	7051364.471	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	60	Dry	Excellent	ForestMixed
115308	15/06/2011	NedaDokic	609400.6036	7051311.01	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Excellent	ForestMixed
115309	15/06/2011	NedaDokic	609429.5299	7051267.626	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Good	ForestMixed
115310	15/06/2011	NedaDokic	609443.2307	7051220.484	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115311	15/06/2011	NedaDokic	609452.3223	7051177.309	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115312	15/06/2011	NedaDokic	609472.9957	7051131.188	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	30	Dry	Good	ForestMixed
115313	15/06/2011	NedaDokic	609488.5992	7051083.666	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Flat	C	35	Dry	Good	ForestMixed
115314	15/06/2011	NedaDokic	609492.2709	7051033.391	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115316	15/06/2011	NedaDokic	609522.5321	7050977.342	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115317	15/06/2011	NedaDokic	609531.693	7050939.41	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Dry	Excellent	ForestMixed
115318	15/06/2011	NedaDokic	609544.594	7050893.914	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
115319	15/06/2011	NedaDokic	609564.8719	7050853.578	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
115320	15/06/2011	NedaDokic	609570.4496	7050807.16	UTMZ7N_WGS84	Colluvium	Grey	Gravel	ModerateN	C	30	Dry	Excellent	ForestMixed
115321	15/06/2011	NedaDokic	609588.6631	7050746.012	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	40	Dry	Excellent	ForestMixed
115322	15/06/2011	NedaDokic	609614.5269	7050699.402	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
115323	15/06/2011	NedaDokic	609637.4047	7050605.41	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist	Good	ForestMixed
115324	15/06/2011	NedaDokic	609646.8346	7050552.545	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Moist	Good	ForestMixed
115325	15/06/2011	NedaDokic	609663.5134	7050499.931	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
115326	15/06/2011	NedaDokic	609676.8823	7050459.692	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Dry	Good	ForestMixed
115327	16/06/2011	NedaDokic	614806.7205	7053215.238	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115328	16/06/2011	NedaDokic	614802.6925	7053262.041	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	65	Dry	Good	ForestMixed
115329	16/06/2011	NedaDokic	614799.8947	7053316.026	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	35	Dry	Excellent	ForestMixed
115330	16/06/2011	NedaDokic	614790.3058	7053361.401	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
115331	16/06/2011	NedaDokic	614787.8074	7053412.608	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
115332	16/06/2011	NedaDokic	614789.2972	7053463.403	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
115333	16/06/2011	NedaDokic	614783.9553	7053514.953	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Excellent	ForestMixed
115334	16/06/2011	NedaDokic	614775.6768	7053559.818	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
115335	16/06/2011	NedaDokic	614778.5542	7053609.325	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
115336	16/06/2011	NedaDokic	614775.8899	7053655.508	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	40	Dry	Excellent	ForestMixed
115337	16/06/2011	NedaDokic	614773.4811	7053709.73	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
115338	16/06/2011	NedaDokic	614773.2041	7053758.564	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
115339	16/06/2011	NedaDokic	614762.3009	7053811.475	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Dry	Excellent	ForestMixed
115341	16/06/2011	NedaDokic	614760.019	7053855.33	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115342	16/06/2011	NedaDokic	614753.3919	7053910.849	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Excellent	ForestMixed
115343	16/06/2011	NedaDokic	614746.2805	7053956.426	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	30	Dry	Excellent	ForestMixed
115344	16/06/2011	NedaDokic	614725.6928	7054006.644	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	40	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
115345	16/06/2011	NedaDokic	614702.6777	7054045.735	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115346	16/06/2011	NedaDokic	614690.2525	7054095.469	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Excellent	ForestMixed
115347	16/06/2011	NedaDokic	614660.4036	7054143.68	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115348	16/06/2011	NedaDokic	614643.6961	7054186.902	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115349	16/06/2011	NedaDokic	614624.3925	7054237.391	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115350	16/06/2011	NedaDokic	614606.2104	7054276.099	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115351	16/06/2011	NedaDokic	614584.612	7054328.29	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
115352	16/06/2011	NedaDokic	614562.9113	7054368.209	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Excellent	ForestMixed
115353	16/06/2011	NedaDokic	614543.4464	7054420.477	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	80	Dry	Excellent	ForestMixed
115354	16/06/2011	NedaDokic	614525.0088	7054462.187	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Moist	Good	ForestMixed
115355	16/06/2011	NedaDokic	614518.0138	7054512.898	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Moist	Good	ForestMixed
115356	16/06/2011	NedaDokic	614531.5216	7054567.806	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Moist	Good	ForestMixed
115357	16/06/2011	NedaDokic	614530.9444	7054615.403	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Moist	Good	ForestMixed
115358	16/06/2011	NedaDokic	614523.5848	7054673.461	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Good	ForestMixed
115359	16/06/2011	NedaDokic	614526.4383	7054718.171	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	70	Moist	Good	ForestMixed
115360	16/06/2011	NedaDokic	614527.2961	7054771.395	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Good	ForestMixed
115361	16/06/2011	NedaDokic	614534.2512	7054815.25	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Good	ForestMixed
115362	16/06/2011	NedaDokic	614536.2921	7054865.952	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Good	ForestMixed
115363	16/06/2011	NedaDokic	614488.1592	7054499.553	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Good	ForestMixed
115364	16/06/2011	NedaDokic	614451.4524	7054526.108	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Good	ForestMixed
115365	16/06/2011	NedaDokic	614447.8662	7054530.55	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	80	Moist	Good	ForestMixed
115366	16/06/2011	NedaDokic	614403.3296	7054556.711	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Good	ForestMixed
115367	16/06/2011	NedaDokic	614370.073	7054601.902	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	60	Dry	Good	ForestMixed
115368	16/06/2011	NedaDokic	614326.7536	7054628.777	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	60	Dry	Good	ForestMixed
115369	16/06/2011	NedaDokic	614298.2632	7054658.863	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry	Excellent	ForestMixed
115370	16/06/2011	NedaDokic	614257.241	7054688.163	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Excellent	ForestMixed
115371	16/06/2011	NedaDokic	614217.1734	7054732.33	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	60	Moist	Excellent	ForestMixed
115372	16/06/2011	NedaDokic	614186.2212	7054753.63	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Excellent	ForestMixed
115373	16/06/2011	NedaDokic	614151.4576	7054795.312	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	70	Moist	Excellent	ForestMixed
115374	16/06/2011	NedaDokic	613769.3623	7055118.358	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115375	16/06/2011	NedaDokic	613724.7285	7055144.859	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
115376	16/06/2011	NedaDokic	613697.5119	7055181.24	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115377	16/06/2011	NedaDokic	613652.101	7055212.844	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry	Excellent	ForestMixed
115378	16/06/2011	NedaDokic	613609.0769	7055242.972	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	45	Moist	Excellent	ForestMixed
115379	16/06/2011	NedaDokic	613582.9234	7055278.835	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
116179	11/06/2011	JoshJudson	623208.8432	7042499.875	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNE	B	20	Wet	Excellent	AlpineBare
116180	11/06/2011	JoshJudson	623223.3398	7042541.367	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	20	Frozen	Excellent	AlpineBare
116181	11/06/2011	JoshJudson	623236.5108	7042590.057	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	20	Wet	Good	AlpineBare
116182	11/06/2011	JoshJudson	623260.0832	7042648.183	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	20	Wet	Good	AlpineBare
116183	11/06/2011	JoshJudson	623288.271	7042775.078	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	20	Moist	Good	AlpineBare
116184	11/06/2011	JoshJudson	623296.9671	7042824.711	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	20	Moist	Good	AlpineBare
116185	11/06/2011	JoshJudson	623306.7257	7042890.667	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	20	Moist	Good	AlpineBare
116186	11/06/2011	JoshJudson	623322.1968	7042975.136	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	20	Frozen	Poor	AlpineBare
116187	11/06/2011	JoshJudson	623346.025	7043025.243	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	20	Wet	Good	AlpineBare
116188	11/06/2011	JoshJudson	623357.1444	7043072.739	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	20	Moist	Good	AlpineBare
116189	11/06/2011	JoshJudson	623384.2236	7043161.115	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNE	B	20	Moist	Good	AlpineBare
116190	11/06/2011	JoshJudson	623384.4422	7043161.904	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNE	B	20	Moist	Good	AlpineBare
116191	11/06/2011	JoshJudson	623393.7987	7043222.715	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	30	Moist	Good	ForestMixed
116192	11/06/2011	JoshJudson	623402.8135	7043270.465	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	20	Frozen	Good	ForestMixed
116193	11/06/2011	JoshJudson	623415.6284	7043308.881	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	30	Moist	Good	ForestMixed
116194	11/06/2011	JoshJudson	623428.4641	7043363.47	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	30	Moist	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
116195	11/06/2011	JoshJudson	623435.8098	7043411.824	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
116196	11/06/2011	JoshJudson	623453.7932	7043462.152	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	30	Moist	Good	ForestMixed
116197	11/06/2011	JoshJudson	623451.6279	7043511.587	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
116198	11/06/2011	JoshJudson	623447.1214	7043557.139	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Excellent	ForestMixed
116199	11/06/2011	JoshJudson	623438.349	7043604.757	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Excellent	ForestMixed
116200	11/06/2011	JoshJudson	623430.0221	7043648.6	UTMZ7N_WGS84	Lithosoil	Grey	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
116201	11/06/2011	JoshJudson	623428.5482	7043709.772	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNE	C	40	Moist	Poor	ForestMixed
116202	13/06/2011	JoshJudson	620514.7723	7045357.147	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	20	Moist	Good	ForestMixed
116203	12/06/2011	JoshJudson	620468.6742	7045385.625	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	ForestMixed
116204	12/06/2011	JoshJudson	620437.2335	7045422.911	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	C	40	Moist	Good	ForestMixed
116205	12/06/2011	JoshJudson	620400.4067	7045452.521	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Moist	Excellent	ForestMixed
116206	12/06/2011	JoshJudson	620358.6715	7045500.013	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Moist	Excellent	ForestMixed
116207	12/06/2011	JoshJudson	620323.3473	7045528.12	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Moist	Excellent	ForestMixed
116208	12/06/2011	JoshJudson	620290.6233	7045561.233	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	20	Moist	Good	ForestMixed
116209	12/06/2011	JoshJudson	620264.7869	7045601.855	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	40	Moist	Good	ForestMixed
116210	12/06/2011	JoshJudson	620227.3548	7045623.861	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	30	Dry	Excellent	ForestMixed
116211	12/06/2011	JoshJudson	620196.0025	7045660.26	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	40	Moist	Good	ForestMixed
116212	12/06/2011	JoshJudson	620149.1136	7045700.645	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	40	Moist	Good	ForestMixed
116213	12/06/2011	JoshJudson	620117.1936	7045732.34	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	40	Moist	Good	ForestMixed
116214	12/06/2011	JoshJudson	620080.6142	7045768.766	UTMZ7N_WGS84	Alluvium	BrownDark	Clay	Flat	B	20	Moist	Good	ForestMixed
116215	12/06/2011	JoshJudson	620079.0007	7045764.021	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	C	20	Moist	Good	ForestMixed
116216	12/06/2011	JoshJudson	620040.1747	7045787.426	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	20	Moist	Good	ForestMixed
116217	12/06/2011	JoshJudson	620002.1549	7045831.717	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Ridge	B	20	Moist	Good	ForestMixed
116218	12/06/2011	JoshJudson	619967.293	7045868.879	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	C	20	Moist	Good	ForestMixed
116219	12/06/2011	JoshJudson	619928.3909	7045899.643	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Excellent	ForestMixed
116220	12/06/2011	JoshJudson	619884.7391	7045934.912	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Moist	Good	ForestMixed
116221	12/06/2011	JoshJudson	619867.783	7045972.637	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	40	Moist	Excellent	ForestMixed
116222	12/06/2011	JoshJudson	619818.6297	7045954.392	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Moist	Good	ForestMixed
116223	12/06/2011	JoshJudson	619786.4749	7045930.319	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	40	Moist	Good	ForestMixed
116224	12/06/2011	JoshJudson	619746.0365	7045906.715	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateW	C	40	Moist	Good	ForestMixed
116225	12/06/2011	JoshJudson	619696.7455	7045886.794	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	40	Moist	Good	ForestMixed
116226	12/06/2011	JoshJudson	619635.6479	7045869.663	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	30	Moist	Good	ForestMixed
116227	12/06/2011	JoshJudson	619600.7968	7045869.58	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	40	Moist	Good	ForestMixed
116228	12/06/2011	JoshJudson	619553.6885	7045871.044	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	50	Dry	Excellent	ForestMixed
116229	12/06/2011	JoshJudson	619506.7773	7045865.936	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	40	Moist	Good	ForestMixed
116230	12/06/2011	JoshJudson	619462.8627	7045845.997	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
116231	12/06/2011	JoshJudson	619403.8073	7045824.822	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	C	40	Moist	Good	ForestMixed
116232	12/06/2011	JoshJudson	619352.8735	7045800.829	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	40	Moist	Good	ForestMixed
116233	12/06/2011	JoshJudson	619316.1396	7045775.251	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	50	Moist	Good	ForestMixed
116234	12/06/2011	JoshJudson	619281.087	7045751.298	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
116235	12/06/2011	JoshJudson	619233.918	7045726.445	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	30	Moist	Good	ForestMixed
116236	12/06/2011	JoshJudson	619194.776	7045695.982	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	50	Moist	Good	ForestMixed
116237	12/06/2011	JoshJudson	619147.5394	7045670.236	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	60	Moist	Good	ForestMixed
116238	12/06/2011	JoshJudson	619095.446	7045642.524	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Moist	Excellent	ForestMixed
116239	14/06/2011	JoshJudson	618426.9994	7046735.471	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	20	Moist	Good	ForestMixed
116240	13/06/2011	JoshJudson	618438.8338	7046741.153	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	20	Moist	Good	ForestMixed
116241	13/06/2011	JoshJudson	618407.7857	7046786.279	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	20	Moist	Good	ForestMixed
116242	13/06/2011	JoshJudson	618393.1086	7046828.892	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	20	Moist	Good	ForestMixed
116243	13/06/2011	JoshJudson	618372.3137	7046872.726	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	20	Moist	Good	ForestMixed
116244	13/06/2011	JoshJudson	618357.836	7046920.699	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	20	Moist	Good	ForestMixed
116245	13/06/2011	JoshJudson	618333.6374	7046973.106	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	50	Moist	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
116246	13/06/2011	JoshJudson	618312.6784	7047021.396	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	20	Moist	Excellent	ForestMixed
116247	13/06/2011	JoshJudson	618286.9321	7047067.278	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Moist	Good	ForestMixed
116248	13/06/2011	JoshJudson	618273.703	7047112.51	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Moist	Good	ForestMixed
116249	13/06/2011	JoshJudson	618247.0135	7047153.003	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Moist	Good	ForestMixed
116250	13/06/2011	JoshJudson	618215.1348	7047184.494	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Moist	Good	ForestMixed
116251	13/06/2011	JoshJudson	618172.2483	7047220.26	UTMZ7N_WGS84	Colluvium	Red	Clay	Flat	B	40	Moist	Good	ForestMixed
116252	13/06/2011	JoshJudson	618141.6593	7047257.264	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Good	ForestMixed
116253	13/06/2011	JoshJudson	618104.6678	7047288.454	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	30	Moist	Good	ForestMixed
116254	13/06/2011	JoshJudson	618073.6281	7047313.509	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116255	13/06/2011	JoshJudson	618029.0173	7047340.848	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116256	13/06/2011	JoshJudson	617985.2275	7047371.564	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	20	Dry	Excellent	ForestMixed
116257	13/06/2011	JoshJudson	617890.7614	7047416.127	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	20	Moist	Good	ForestMixed
116258	13/06/2011	JoshJudson	617832.5974	7047401.034	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	20	Moist	Good	ForestMixed
116259	13/06/2011	JoshJudson	617788.5012	7047385.015	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateSW	C	30	Moist	Good	ForestMixed
116260	13/06/2011	JoshJudson	617742.2939	7047377.616	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	20	Moist	Good	ForestMixed
116261	13/06/2011	JoshJudson	617689.0065	7047358.469	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	40	Moist	Good	ForestMixed
116262	13/06/2011	JoshJudson	617643.7924	7047349.77	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	30	Moist	Good	ForestMixed
116263	13/06/2011	JoshJudson	617588.5254	7047335.682	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	20	Moist	Good	ForestMixed
116264	13/06/2011	JoshJudson	617542.2194	7047336.312	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116265	13/06/2011	JoshJudson	617541.1543	7047332.816	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116266	13/06/2011	JoshJudson	617493.5738	7047320.798	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	30	Moist	Good	ForestMixed
116267	13/06/2011	JoshJudson	617436.588	7047310.106	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Dry	Good	ForestMixed
116268	13/06/2011	JoshJudson	617402.8514	7047311.313	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	30	Dry	Good	ForestMixed
116269	13/06/2011	JoshJudson	617341.504	7047300.128	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	30	Dry	Good	ForestMixed
116270	13/06/2011	JoshJudson	617303.647	7047302.411	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	C	30	Moist	Good	ForestMixed
116271	13/06/2011	JoshJudson	617228.1342	7047301.523	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	30	Dry	Good	ForestMixed
116272	13/06/2011	JoshJudson	617196.9854	7047300.04	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	30	Dry	Good	ForestMixed
116273	13/06/2011	JoshJudson	617151.9558	7047291.69	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	30	Moist	Good	ForestMixed
116274	13/06/2011	JoshJudson	617055.3075	7047287.685	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	C	50	Moist	Good	ForestMixed
116275	13/06/2011	JoshJudson	616986.0046	7047291.157	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	B	30	Moist	Good	ForestMixed
116276	13/06/2011	JoshJudson	616943.0384	7047286.231	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	B	30	Dry	Good	ForestMixed
116277	13/06/2011	JoshJudson	616898.2204	7047280.234	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateSW	C	50	Moist	Good	ForestMixed
116278	13/06/2011	JoshJudson	616856.1789	7047269.098	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	50	Moist	Excellent	ForestMixed
116279	13/06/2011	JoshJudson	616805.2391	7047280.721	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	50	Moist	Good	ForestMixed
116280	14/06/2011	JoshJudson				Colluvium	Brown	Clay	ModerateNW	B	20	Moist	Good	ForestMixed
116281	14/06/2011	JoshJudson	613865.1205	7044849.019	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	20	Moist	Good	ForestMixed
116282	14/06/2011	JoshJudson	613884.4279	7044896.769	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Moist	Good	ForestMixed
116283	14/06/2011	JoshJudson	613901.606	7044945.558	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateNW	B	30	Moist	Good	ForestMixed
116284	14/06/2011	JoshJudson	613922.2713	7044987.334	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateNW	B	30	Moist	Good	SubAlpineBrush
116285	14/06/2011	JoshJudson	613934.9186	7045033.285	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Moist	Good	SubAlpineBrush
116286	14/06/2011	JoshJudson	613963.631	7045083.937	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	40	Moist	Good	ForestMixed
116287	14/06/2011	JoshJudson	613983.6323	7045123.348	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	B	40	Wet	Good	SubAlpineBrush
116288	14/06/2011	JoshJudson	613993.7329	7045177.795	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Frozen	Good	SubAlpineBrush
116289	14/06/2011	JoshJudson	614023.6453	7045219.903	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Moist	Good	ForestMixed
116291	14/06/2011	JoshJudson	614032.4644	7045268.394	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	20	Moist	Good	SubAlpineBrush
116292	14/06/2011	JoshJudson	614051.3968	7045312.563	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	40	Moist	Good	SubAlpineBrush
116293	14/06/2011	JoshJudson	614076.2753	7045363.078	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	20	Moist	Good	SubAlpineBrush
116294	14/06/2011	JoshJudson	614099.6213	7045399.377	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	20	Frozen	Good	SubAlpineBrush
116295	14/06/2011	JoshJudson	614137.0339	7045434.953	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNW	C	50	Wet	Excellent	ForestMixed
116296	14/06/2011	JoshJudson	614175.6741	7045475.147	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNW	B	20	Wet	Good	SubAlpineBrush
116297	14/06/2011	JoshJudson	614303.0889	7045677.548	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	20	Frozen	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
116298	14/06/2011	JoshJudson	614313.8086	7045729.787	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNW	B	30	Moist	Excellent	ForestMixed
116299	14/06/2011	JoshJudson	614326.6528	7045788.014	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNW	B	20	Moist	Good	ForestMixed
116300	14/06/2011	JoshJudson	614338.6227	7045830.373	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNW	C	70	Dry	Excellent	ForestMixed
116301	14/06/2011	JoshJudson	614342.0684	7045871.646	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	C	40	Moist	Good	ForestMixed
116302	14/06/2011	JoshJudson	614372.4165	7045913.775	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNW	B	30	Moist	Good	ForestMixed
116303	14/06/2011	JoshJudson	614384.3597	7045972.08	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	B	40	Moist	Good	ForestMixed
116304	14/06/2011	JoshJudson	614384.5638	7046025.949	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	40	Moist	Good	ForestMixed
116305	14/06/2011	JoshJudson	614400.0585	7046065.76	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	40	Wet	Good	ForestMixed
116306	14/06/2011	JoshJudson	614405.9699	7046118.719	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	30	Wet	Good	ForestMixed
116307	15/06/2011	JoshJudson	612072.2218	7049701.392	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateE	C	40	Dry	Good	ForestMixed
116308	15/06/2011	JoshJudson	612044.1042	7049666.835	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	30	Dry	Good	ForestMixed
116309	15/06/2011	JoshJudson	612017.0919	7049626.295	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	40	Dry	Good	ForestMixed
116310	15/06/2011	JoshJudson	611991.5306	7049593.948	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateE	B	30	Moist	Good	ForestMixed
116311	15/06/2011	JoshJudson	611946.7651	7049552.003	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateE	B	30	Moist	Good	ForestMixed
116312	15/06/2011	JoshJudson	611921.8298	7049514.549	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateE	B	20	Moist	Good	ForestMixed
116313	15/06/2011	JoshJudson	611884.3303	7049466.727	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateE	B	40	Dry	Good	ForestMixed
116314	15/06/2011	JoshJudson	611861.8833	7049426.35	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	20	Dry	Good	ForestMixed
116316	15/06/2011	JoshJudson	611839.6605	7049382.413	UTMZ7N_WGS84	Colluvium	Red	Clay	Flat	B	20	Dry	Good	ForestMixed
116317	15/06/2011	JoshJudson	611792.3747	7049368.148	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	B	30	Dry	Good	ForestMixed
116318	15/06/2011	JoshJudson	611744.8463	7049346.627	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateW	B	30	Dry	Good	ForestMixed
116319	15/06/2011	JoshJudson	611692.3475	7049337.756	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	C	30	Moist	Excellent	ForestMixed
116320	15/06/2011	JoshJudson	611650.6142	7049329.599	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	B	40	Dry	Good	ForestMixed
116321	15/06/2011	JoshJudson	611600.8127	7049306.216	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Dry	Good	ForestMixed
116322	15/06/2011	JoshJudson	611550.1885	7049297.748	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	60	Dry	Good	ForestMixed
116323	15/06/2011	JoshJudson	611502.3729	7049278.674	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	20	Moist	Good	ForestMixed
116324	15/06/2011	JoshJudson	611457.3845	7049264.049	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	20	Moist	Good	ForestMixed
116325	15/06/2011	JoshJudson	611418.7603	7049245.187	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateE	B	30	Moist	Good	ForestMixed
116326	15/06/2011	JoshJudson	611364.5592	7049215.298	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	20	Moist	Good	ForestMixed
116327	15/06/2011	JoshJudson	611319.9449	7049225.443	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateE	B	20	Moist	Good	ForestMixed
116328	15/06/2011	JoshJudson	611273.0241	7049202.055	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateE	C	40	Moist	Good	ForestMixed
116329	15/06/2011	JoshJudson	611214.621	7049195.55	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry	Good	ForestMixed
116330	15/06/2011	JoshJudson	611178.9553	7049177.353	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateE	C	30	Dry	Good	ForestMixed
116331	15/06/2011	JoshJudson	611115.1542	7049163.078	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	20	Moist	Good	ForestMixed
116332	15/06/2011	JoshJudson	611069.7702	7049152.571	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	20	Moist	Good	ForestMixed
116333	15/06/2011	JoshJudson	611021.6495	7049125.019	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
116334	15/06/2011	JoshJudson	610979.0662	7049125.427	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	30	Dry	Good	ForestMixed
116335	15/06/2011	JoshJudson	610936.8615	7049106.446	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	30	Dry	Excellent	ForestMixed
116336	15/06/2011	JoshJudson	610904.2119	7049055.907	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	30	Moist	Good	ForestMixed
116337	15/06/2011	JoshJudson	610861.1001	7049037.231	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	30	Moist	Good	ForestMixed
116338	15/06/2011	JoshJudson	610831.0649	7048981.543	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	20	Moist	Good	ForestMixed
116339	15/06/2011	JoshJudson	610806.1742	7048935.179	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	B	20	Moist	Good	ForestMixed
116341	15/06/2011	JoshJudson	610783.4767	7048901.492	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	20	Moist	Poor	ForestMixed
116342	16/06/2011	JoshJudson	609940.3835	7045673.814	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	20	Moist	Poor	AlpineBare
116343	16/06/2011	JoshJudson	609997.2217	7045690.051	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	50	Moist	Good	AlpineBare
116344	16/06/2011	JoshJudson	610030.1363	7045699.887	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	30	Frozen	Good	AlpineBare
116345	16/06/2011	JoshJudson	610077.8695	7045720.271	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	40	Moist	Excellent	SubAlpineBrush
116346	16/06/2011	JoshJudson	610119.4345	7045733.306	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	50	Moist	Good	SubAlpineBrush
116347	16/06/2011	JoshJudson	610225.1545	7045766.851	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	30	Moist	Good	SubAlpineBrush
116348	16/06/2011	JoshJudson	610323.8322	7045785.213	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	30	Frozen	Poor	SubAlpineBrush
116349	16/06/2011	JoshJudson	610414.3703	7045812.885	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	30	Frozen	Good	SubAlpineBrush
116350	16/06/2011	JoshJudson	610614.0646	7045868.104	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	30	Moist	Good	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
116351	16/06/2011	JoshJudson	610649.893	7045879.943	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	30	Moist	Good	SubAlpineBrush
116352	16/06/2011	JoshJudson	610751.3331	7045917.483	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	SubAlpineBrush
116353	16/06/2011	JoshJudson	610800.1211	7045931.67	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	20	Moist	Good	SubAlpineBrush
116354	16/06/2011	JoshJudson	610849.3883	7045950.67	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateE	B	40	Moist	Good	SubAlpineBrush
116355	16/06/2011	JoshJudson	610893.5937	7045972.06	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	B	20	Moist	Good	SubAlpineBrush
116356	16/06/2011	JoshJudson	610946.0921	7045982.587	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	30	Wet	Poor	SubAlpineBrush
116357	16/06/2011	JoshJudson	610986.4317	7045993.473	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Moist	Good	ForestMixed
116358	16/06/2011	JoshJudson	611030.8796	7046016.433	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	20	Moist	Good	ForestMixed
116359	16/06/2011	JoshJudson	611092.8425	7046013.913	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	30	Moist	Good	ForestMixed
116360	16/06/2011	JoshJudson	611129.4867	7046037.941	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	40	Moist	Good	ForestMixed
116361	16/06/2011	JoshJudson	611175.3579	7046057.162	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
116362	16/06/2011	JoshJudson	611234.3597	7046055.321	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateE	B	20	Moist	Poor	ForestMixed
116363	16/06/2011	JoshJudson	611278.2095	7046082.502	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	30	Moist	Good	ForestMixed
116364	16/06/2011	JoshJudson	611315.6039	7046096.41	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Dry	Good	ForestMixed
116366	16/06/2011	JoshJudson	611370.4525	7046110.819	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateE	B	20	Frozen	Poor	ForestMixed
116367	16/06/2011	JoshJudson	611436.7752	7046128.753	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateE	B	30	Moist	Good	ForestMixed
116368	16/06/2011	JoshJudson	611473.4061	7046144.532	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateE	B	30	Moist	Good	ForestMixed
116369	16/06/2011	JoshJudson	611506.2522	7046163.191	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	30	Moist	Good	ForestMixed
116370	16/06/2011	JoshJudson	611558.1539	7046177.834	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	20	Moist	Poor	ForestMixed
116371	16/06/2011	JoshJudson	611606.7427	7046193.254	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	40	Moist	Good	ForestMixed
116372	16/06/2011	JoshJudson	611659.4825	7046201.014	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	20	Moist	Good	ForestMixed
116373	16/06/2011	JoshJudson	611698.6872	7046214.322	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	20	Frozen	Poor	ForestMixed
116374	16/06/2011	JoshJudson	611800.9184	7046244.341	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	20	Moist	Good	ForestMixed
116375	16/06/2011	JoshJudson	611836.5023	7046260.088	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Good	ForestMixed
116376	16/06/2011	JoshJudson	611887.9389	7046269.48	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Moist	Good	ForestMixed
117124	12/06/2011	HugoGirard	619837.1115	7046049.326	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	B	40	Moist		
117125	12/06/2011	HugoGirard	619845.5156	7046099.828	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	60	Wet		
117126	12/06/2011	HugoGirard	619837.4126	7046151.047	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Dry		
117127	12/06/2011	HugoGirard	619840.8321	7046201.696	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry		
117128	12/06/2011	HugoGirard	619830.9689	7046252.068	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Dry		
117129	12/06/2011	HugoGirard	619832.5476	7046305.324	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry		
117130	12/06/2011	HugoGirard	619816.0267	7046347.416	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Dry		
117131	12/06/2011	HugoGirard	619817.0089	7046400.65	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Dry		
117132	12/06/2011	HugoGirard	619813.2755	7046446.903	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	80	Dry		
117133	12/06/2011	HugoGirard	619802.583	7046500.813	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Dry		
117134	12/06/2011	HugoGirard	619798.0432	7046544.694	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Dry		
117135	12/06/2011	HugoGirard	619792.5043	7046589.987	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Moist		
117136	12/06/2011	HugoGirard	619789.7623	7046652.226	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist		
117137	12/06/2011	HugoGirard	619783.6895	7046697.164	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry		
117138	12/06/2011	HugoGirard	619779.9722	7046736.392	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	80	Dry		
117139	12/06/2011	HugoGirard	619775.2038	7046836.584	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist		
117140	12/06/2011	HugoGirard				Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist		
117141	12/06/2011	HugoGirard	619763.0874	7046891.332	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist		
117142	12/06/2011	HugoGirard	619765.0644	7046934.009	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	60	Dry		
117143	12/06/2011	HugoGirard	619758.6853	7046988.415	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	40	Wet		
117144	12/06/2011	HugoGirard	619680.0524	7047120.399	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	40	Wet		
117145	12/06/2011	HugoGirard	619696.5309	7047171.875	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	50	Wet		
117146	12/06/2011	HugoGirard	619711.1146	7047253.836	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	50	Moist		
117147	12/06/2011	HugoGirard	619726.5943	7047294.79	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Dry		
117148	12/06/2011	HugoGirard	619727.3656	7047337.756	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	50	Dry		
117149	12/06/2011	HugoGirard	619717.414	7047390.578	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	60	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117150	12/06/2011	HugoGirard	619705.1707	7047438.184	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	50	Dry		
117151	13/06/2011	HugoGirard	614861.2824	7053148.741	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	40	Dry		
117152	13/06/2011	HugoGirard	614907.0098	7053134.227	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	40	Dry		
117153	13/06/2011	HugoGirard	614955.9338	7053120.61	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	60	Dry		
117154	13/06/2011	HugoGirard	614992.9921	7053099.983	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	80	Dry		
117155	13/06/2011	HugoGirard	615053.1331	7053092.127	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry		
117156	13/06/2011	HugoGirard	615105.4814	7053078.636	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Moist		
117157	13/06/2011	HugoGirard	615146.772	7053070.098	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	100	Dry		
117158	13/06/2011	HugoGirard	615200.3401	7053055.872	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	100	Moist		
117159	13/06/2011	HugoGirard	615242.597	7053045.363	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry		
117160	13/06/2011	HugoGirard	615295.4217	7053025.647	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	70	Dry		
117161	13/06/2011	HugoGirard	615331.6959	7053013.026	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry		
117162	13/06/2011	HugoGirard	615385.8571	7053004.401	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	70	Dry		
117163	13/06/2011	HugoGirard	615435.0759	7052997.827	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	80	Dry		
117164	13/06/2011	HugoGirard	615472.2052	7052960.37	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Wet		
117165	13/06/2011	HugoGirard	615470.3617	7052955.061	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Wet		
117166	13/06/2011	HugoGirard	615502.7953	7052911.523	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Wet		
117167	13/06/2011	HugoGirard	615558.9328	7052852.789	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Wet		
117168	13/06/2011	HugoGirard	615596.4802	7052799.847	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	110	Dry		
117169	13/06/2011	HugoGirard	615661.4489	7052797.419	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	40	Moist		
117170	13/06/2011	HugoGirard	615724.9052	7052833.746	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry		
117171	13/06/2011	HugoGirard	615765.1659	7052861.756	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Dry		
117172	13/06/2011	HugoGirard	615805.867	7052861.345	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	90	Dry		
117173	13/06/2011	HugoGirard	615863.2662	7052847.159	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Wet		
117174	13/06/2011	HugoGirard	615901.618	7052830.828	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	90	Wet		
117175	13/06/2011	HugoGirard	616315.3392	7052654.71	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	B	50	Wet		
117176	14/06/2011	HugoGirard	612522.4997	7050294.053	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist		
117177	14/06/2011	HugoGirard	612565.7779	7050304.507	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist		
117178	14/06/2011	HugoGirard	612617.8604	7050307.803	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	80	Dry		
117179	14/06/2011	HugoGirard	612673.8264	7050305.327	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry		
117180	14/06/2011	HugoGirard	612724.3833	7050306.786	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry		
117181	14/06/2011	HugoGirard	612780.2286	7050306.315	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry		
117182	14/06/2011	HugoGirard	612824.0522	7050316.793	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	40	Dry		
117183	14/06/2011	HugoGirard	612867.4644	7050267.485	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	70	Dry		
117184	14/06/2011	HugoGirard	612915.7864	7050275.893	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	80	Dry		
117185	14/06/2011	HugoGirard	612975.0292	7050301.529	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNW	C	90	Dry		
117186	14/06/2011	HugoGirard	613016.3124	7050314.929	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	80	Dry		
117187	14/06/2011	HugoGirard	613063.3992	7050311.922	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry		
117188	14/06/2011	HugoGirard	613112.7944	7050316.691	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry		
117189	14/06/2011	HugoGirard	613170.2192	7050323.532	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry		
117191	14/06/2011	HugoGirard	613205.1239	7050327.563	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	70	Dry		
117192	14/06/2011	HugoGirard	613256.6259	7050330.403	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateW	C	60	Dry		
117193	14/06/2011	HugoGirard	613304.376	7050367.344	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry		
117194	14/06/2011	HugoGirard	613336.2348	7050419.108	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	B	50	Moist		
117195	14/06/2011	HugoGirard	613374.7917	7050451.709	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	60	Moist		
117196	14/06/2011	HugoGirard	613424.6138	7050490.399	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry		
117197	14/06/2011	HugoGirard	613439.1832	7050518.129	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	90	Dry		
117198	14/06/2011	HugoGirard	613471.8594	7050553.865	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	80	Dry		
117199	14/06/2011	HugoGirard	613496.0548	7050593.202	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry		
117200	14/06/2011	HugoGirard	613546.9669	7050636.06	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	50	Dry		
117201	14/06/2011	HugoGirard	613569.4346	7050659.723	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	40	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117202	14/06/2011	HugoGirard	613599.384	7050706.293	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	70	Dry		
117203	14/06/2011	HugoGirard	613645.4321	7050730.801	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	90	Dry		
117204	14/06/2011	HugoGirard	613672.1644	7050779.709	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	40	Dry		
117205	14/06/2011	HugoGirard				Colluvium	Brown	Silt	Ridge	C	40	Dry		
117206	15/06/2011	HugoGirard	608213.1063	7052683.109	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Dry		
117207	15/06/2011	HugoGirard	608207.4218	7052740.564	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	70	Dry		
117208	15/06/2011	HugoGirard	608206.7935	7052795.404	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	70	Dry		
117209	15/06/2011	HugoGirard	608207.3423	7052837.573	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Moist		
117210	15/06/2011	HugoGirard	608210.3728	7052887.074	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	80	Dry		
117211	15/06/2011	HugoGirard	608211.0954	7052943.075	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Dry		
117212	15/06/2011	HugoGirard	608217.0288	7052987.546	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry		
117213	15/06/2011	HugoGirard	608223.2876	7053039.945	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	100	Dry		
117214	15/06/2011	HugoGirard	608217.5217	7053089.592	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry		
117215	15/06/2011	HugoGirard	608218.6664	7053139.028	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	80	Moist		
117217	15/06/2011	HugoGirard	608219.2987	7053181.646	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	80	Moist		
117218	15/06/2011	HugoGirard	608214.8186	7053229.998	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	C	40	Moist		
117219	15/06/2011	HugoGirard	608213.2151	7053274.101	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	40	Dry		
117220	15/06/2011	HugoGirard	608216.8267	7053338.563	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Moist		
117221	15/06/2011	HugoGirard	608228.7734	7053391.602	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	30	Dry		
117222	15/06/2011	HugoGirard	608227.9896	7053433.502	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Dry		
117223	15/06/2011	HugoGirard	608216.3591	7053480.385	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	70	Dry		
117224	15/06/2011	HugoGirard	608216.273	7053544.052	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	80	Dry		
117225	15/06/2011	HugoGirard	608222.7499	7053587.092	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	40	Dry		
117226	15/06/2011	HugoGirard	608227.3659	7053638.097	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	40	Dry		
117227	15/06/2011	HugoGirard	608221.7661	7053700.35	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry		
117228	15/06/2011	HugoGirard	608229.8824	7053738.985	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry		
117229	15/06/2011	HugoGirard	608236.2582	7053773.324	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry		
117230	15/06/2011	HugoGirard	608237.4264	7053838.038	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry		
117231	16/06/2011	HugoGirard	611222.887	7053065.951	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN		70	Dry		
117232	16/06/2011	HugoGirard	611212.121	7053125.121	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateN	C	60	Dry		
117233	16/06/2011	HugoGirard	611203.6012	7053166.974	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry		
117234	16/06/2011	HugoGirard	611193.667	7053212.345	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	70	Dry		
117235	16/06/2011	HugoGirard	611164.755	7053255.045	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	90	Dry		
117236	16/06/2011	HugoGirard	611135.7774	7053309.562	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry		
117237	16/06/2011	HugoGirard	611125.0458	7053346.543	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	80	Dry		
117238	16/06/2011	HugoGirard	611100.459	7053389.171	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry		
117239	16/06/2011	HugoGirard	611075.4589	7053439.368	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry		
117241	16/06/2011	HugoGirard	611075.8269	7053482.759	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	80	Dry		
117242	16/06/2011	HugoGirard	611055.3182	7053543.707	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	80	Moist		
117243	16/06/2011	HugoGirard	611048.145	7053589.733	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Dry		
117244	16/06/2011	HugoGirard	611022.2954	7053635.886	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Moist		
117245	16/06/2011	HugoGirard	611008.184	7053680.108	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	80	Dry		
117246	16/06/2011	HugoGirard	610989.3969	7053727.401	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Moist		
117247	16/06/2011	HugoGirard	610971.4818	7053772.494	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Moist		
117248	16/06/2011	HugoGirard	610950.844	7053821.617	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Moist		
117249	16/06/2011	HugoGirard	610925.6305	7053868.128	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Dry		
117250	16/06/2011	HugoGirard	610908.6761	7053905.672	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Dry		
117251	16/06/2011	HugoGirard	610880.7663	7053952.646	UTMZ7N_WGS84	Colluvium	Grey	Clay	Swamp	B	70	Moist		
117252	16/06/2011	HugoGirard	610873.4184	7053990.972	UTMZ7N_WGS84	Colluvium	Grey	Clay	Swamp	B	70	Moist		
117253	16/06/2011	HugoGirard	610853.1054	7054032.302	UTMZ7N_WGS84	Colluvium	Green	Clay	Swamp	B	60	Moist		
117254	16/06/2011	HugoGirard	610829.1014	7054088.334	UTMZ7N_WGS84	Colluvium	Grey	Clay	Swamp	B	60	Wet		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117255	16/06/2011	HugoGirard	610812.9121	7054142.408	UTMZ7N_WGS84	Colluvium	Grey	Clay	Swamp	B	40	Moist		
117256	16/06/2011	HugoGirard	610775.424	7054187.934	UTMZ7N_WGS84	Colluvium	Grey	Clay	Swamp	B	50	Moist		
117257	16/06/2011	HugoGirard	610752.5395	7054238.987	UTMZ7N_WGS84	Colluvium	Grey	Clay	Swamp	B	60	Moist		
117258	16/06/2011	HugoGirard	610738.8976	7054274.194	UTMZ7N_WGS84	Colluvium	Grey	Clay	Swamp	B	50	Moist		
117259	16/06/2011	HugoGirard	610720.2321	7054315.359	UTMZ7N_WGS84	Colluvium	Grey	Clay	Swamp	B	50	Moist		
118141	12/06/2011	DrewMacPhail	621021.1251	7047583.906	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118142	12/06/2011	DrewMacPhail	620720.0284	7047846.257	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118143	12/06/2011	DrewMacPhail	620681.7332	7047877.145	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Moist		
118144	12/06/2011	DrewMacPhail	620642.8318	7047905.669	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	45	Dry		
118145	12/06/2011	DrewMacPhail	620603.1923	7047941.861	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry		
118146	12/06/2011	DrewMacPhail	620555.7439	7047972.739	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118147	12/06/2011	DrewMacPhail	620520.3065	7048007.083	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118148	12/06/2011	DrewMacPhail	620482.9231	7048036.336	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118149	12/06/2011	DrewMacPhail	620446.8613	7048071.438	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Moist		
118150	12/06/2011	DrewMacPhail	620412.1774	7048103.024	UTMZ7N_WGS84	Soil	Grey	Sand	ModerateN	C	50	Dry		
118151	12/06/2011	DrewMacPhail	620377.5294	7048137.623	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateSW	C	60	Dry		
118152	12/06/2011	DrewMacPhail	620340.1232	7048174.126	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	55	Dry		
118153	12/06/2011	DrewMacPhail	620304.7233	7048202.34	UTMZ7N_WGS84	Soil	RustyRed	Sand	Flat	C	60	Dry		
118154	12/06/2011	DrewMacPhail	620259.4889	7048232.748	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118155	12/06/2011	DrewMacPhail	620227.1234	7048270.223	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	45	Dry		
118156	12/06/2011	DrewMacPhail	620196.8329	7048301.531	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	65	Dry		
118157	12/06/2011	DrewMacPhail	620152.4253	7048337.771	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	60	Dry		
118158	12/06/2011	DrewMacPhail	620115.8526	7048373.415	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
118159	12/06/2011	DrewMacPhail	620078.1572	7048404.556	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118160	12/06/2011	DrewMacPhail	620036.0091	7048440.325	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	60	Dry		
118161	12/06/2011	DrewMacPhail	619996.9774	7048458.145	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118162	12/06/2011	DrewMacPhail	619953.2075	7048494.746	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
118163	12/06/2011	DrewMacPhail	619917.5698	7048516.264	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
118164	12/06/2011	DrewMacPhail	619874.9876	7048557.037	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	50	Dry		
118166	12/06/2011	DrewMacPhail	619835.1136	7048582.746	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	45	Dry		
118167	12/06/2011	DrewMacPhail	619793.6695	7048611.853	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
118168	12/06/2011	DrewMacPhail	619754.7892	7048640.276	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
118169	12/06/2011	DrewMacPhail	619710.792	7048669.846	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	60	Dry		
118170	12/06/2011	DrewMacPhail	619675.7215	7048698.859	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	45	Dry		
118171	12/06/2011	DrewMacPhail	619628.6172	7048727.755	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	60	Dry		
118172	12/06/2011	DrewMacPhail	619585.5507	7048755.131	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Moist		
118173	12/06/2011	DrewMacPhail	619559.8142	7048791.3	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	50	Dry		
118174	12/06/2011	DrewMacPhail	619509.6803	7048814.842	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118175	12/06/2011	DrewMacPhail	619472.8765	7048849.035	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118176	12/06/2011	DrewMacPhail	619431.5731	7048874.583	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNW	C	60	Dry		
118177	12/06/2011	DrewMacPhail	619384.356	7048907.939	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Moist		
118178	12/06/2011	DrewMacPhail	619350.7921	7048930.098	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	C	60	Dry		
118179	12/06/2011	DrewMacPhail	619310.6903	7048958.146	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	65	Moist		
118180	13/06/2011	DrewMacPhail	613853.6835	7044787.277	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	45	Moist		
118181	13/06/2011	DrewMacPhail	613903.6797	7044827.761	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	45	Moist		
118182	13/06/2011	DrewMacPhail	613947.6168	7044866.357	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118183	13/06/2011	DrewMacPhail	613983.0767	7044895.505	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	40	Dry		
118184	13/06/2011	DrewMacPhail	614016.8145	7044929.61	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	60	Dry		
118185	13/06/2011	DrewMacPhail	614047.4846	7044957.583	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	55	Dry		
118186	13/06/2011	DrewMacPhail	614089.1224	7044996.321	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Dry		
118187	13/06/2011	DrewMacPhail	614126.4403	7045019.404	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	60	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118188	13/06/2011	DrewMacPhail	614158.8797	7045057.702	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Dry		
118189	13/06/2011	DrewMacPhail	614197.4868	7045085.07	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Dry		
118191	13/06/2011	DrewMacPhail	614234.1185	7045120.285	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118192	13/06/2011	DrewMacPhail	614277.9731	7045152.637	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	40	Moist		
118193	13/06/2011	DrewMacPhail	614318.5439	7045177.958	UTMZ7N_WGS84	Soil	RustyRed	Sand	Ridge	C	60	Dry		
118194	13/06/2011	DrewMacPhail	614374.4028	7045178.293	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	40	Dry		
118195	13/06/2011	DrewMacPhail	614416.9885	7045182.165	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	55	Dry		
118196	13/06/2011	DrewMacPhail	614464.4862	7045183.761	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118197	13/06/2011	DrewMacPhail	614521.7463	7045181.137	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	60	Dry		
118198	13/06/2011	DrewMacPhail	614567.7466	7045188.369	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118199	13/06/2011	DrewMacPhail	614617.9473	7045190.957	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118200	13/06/2011	DrewMacPhail	614673.1461	7045190.269	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118201	13/06/2011	DrewMacPhail	614724.7828	7045187.557	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118202	13/06/2011	DrewMacPhail	614772.5016	7045194.073	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	60	Moist		
118203	13/06/2011	DrewMacPhail	614816.4317	7045203.463	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	45	Moist		
118204	13/06/2011	DrewMacPhail	614866.4564	7045197.128	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Frozen		
118205	13/06/2011	DrewMacPhail	614918.1826	7045200.222	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	65	Dry		
118206	13/06/2011	DrewMacPhail	614970.0337	7045203.99	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Dry		
118207	13/06/2011	DrewMacPhail	615020.4921	7045203.583	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	60	Dry		
118208	13/06/2011	DrewMacPhail	615070.425	7045203.938	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	65	Dry		
118209	13/06/2011	DrewMacPhail	615123.2926	7045220.904	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	65	Dry		
118210	13/06/2011	DrewMacPhail	615166.7211	7045215.227	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	60	Dry		
118211	13/06/2011	DrewMacPhail	615225.0827	7045215.221	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	65	Dry		
118212	13/06/2011	DrewMacPhail	615265.1527	7045203.29	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118213	13/06/2011	DrewMacPhail	615311.2753	7045201.615	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	40	Dry		
118214	13/06/2011	DrewMacPhail	615362.7105	7045182.513	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	45	Moist		
118216	13/06/2011	DrewMacPhail	615411.148	7045182.931	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	60	Dry		
118217	13/06/2011	DrewMacPhail	615473.0695	7045164.435	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118218	13/06/2011	DrewMacPhail	615517.4741	7045159.355	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118219	13/06/2011	DrewMacPhail	615565.5732	7045147.162	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118220	13/06/2011	DrewMacPhail	615609.0042	7045137.364	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	65	Dry		
118221	13/06/2011	DrewMacPhail	615663.1669	7045129.63	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	65	Dry		
118222	13/06/2011	DrewMacPhail	615709.0164	7045112.227	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118223	13/06/2011	DrewMacPhail	615750.145	7045108.258	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
118224	13/06/2011	DrewMacPhail	615806.1785	7045106.616	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	45	Dry		
118225	13/06/2011	DrewMacPhail	615856.1977	7045108.771	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	50	Dry		
118226	13/06/2011	DrewMacPhail	615902.3847	7045091.718	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	55	Dry		
118227	13/06/2011	DrewMacPhail	615955.93	7045087.312	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	60	Dry		
118228	13/06/2011	DrewMacPhail	616007.2791	7045088.514	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	60	Dry		
118229	13/06/2011	DrewMacPhail	616051.3581	7045082.872	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Moist		
118230	14/06/2011	DrewMacPhail	614774.438	7047656.971	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	45	Dry		
118231	14/06/2011	DrewMacPhail	614784.6104	7047693.581	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118232	14/06/2011	DrewMacPhail	614798.9156	7047738.369	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118233	14/06/2011	DrewMacPhail	614808.1654	7047783.979	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118234	14/06/2011	DrewMacPhail	614831.6105	7047834.673	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	B	60	Dry		
118235	14/06/2011	DrewMacPhail	614849.1793	7047885.49	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateNE	C	50	Dry		
118236	14/06/2011	DrewMacPhail	614863.8988	7047928.398	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	C	60	Dry		
118237	14/06/2011	DrewMacPhail	614873.1605	7047979.138	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	C	60	Dry		
118238	14/06/2011	DrewMacPhail	614893.3421	7048023.693	UTMZ7N_WGS84	Soil	BrownDark	Sand	ModerateNE	C	60	Dry		
118239	14/06/2011	DrewMacPhail	614906.5766	7048073.239	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateNE	C	60	Dry		
118240	14/06/2011	DrewMacPhail	614915.5696	7048117.613	UTMZ7N_WGS84	Soil	Grey	Sand	ModerateNE	C	60	Dry		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118241	14/06/2011	DrewMacPhail	614932.2811	7048167.284	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateNE	C	60	Dry		
118242	14/06/2011	DrewMacPhail	614950.8667	7048220.146	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	C	60	Dry		
118243	14/06/2011	DrewMacPhail	614954.1223	7048274.572	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateNE	C	60	Dry		
118244	14/06/2011	DrewMacPhail	614977.2264	7048313.881	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateSE	C	55	Dry		
118245	14/06/2011	DrewMacPhail	614995.3482	7048376.763	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	C	65	Wet		
118246	14/06/2011	DrewMacPhail	615009.7927	7048447.764	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateNE	C	60	Dry		
118247	14/06/2011	DrewMacPhail	615315.3077	7048728.146	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	55	Frozen		
118248	14/06/2011	DrewMacPhail	615441.4491	7048802.201	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateNE	C	60	Dry		
118249	14/06/2011	DrewMacPhail	615482.586	7048840.496	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	C	65	Dry		
118250	14/06/2011	DrewMacPhail	615511.7302	7048878.913	UTMZ7N_WGS84	Soil	Green	Sand	ModerateNE	C	60	Dry		
118251	14/06/2011	DrewMacPhail	615555.8237	7048905.608	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	C	65	Dry		
118252	14/06/2011	DrewMacPhail	615586.2406	7048943.18	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	C	60	Dry		
118253	15/06/2011	DrewMacPhail	615622.8939	7048969.27	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118254	15/06/2011	DrewMacPhail	613695.1672	7050880.004	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Wet		
118255	15/06/2011	DrewMacPhail	613661.1142	7050925.956	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118256	15/06/2011	DrewMacPhail	613632.5965	7050968.649	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118257	15/06/2011	DrewMacPhail	613607.6898	7051007.68	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Moist		
118258	15/06/2011	DrewMacPhail	613581.8339	7051053.814	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Moist		
118259	15/06/2011	DrewMacPhail	613552.9987	7051095.716	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Wet		
118260	15/06/2011	DrewMacPhail	613524.3155	7051133.387	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118261	15/06/2011	DrewMacPhail	613503.221	7051178.465	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118262	15/06/2011	DrewMacPhail	613481.7059	7051226.986	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	65	Wet		
118263	15/06/2011	DrewMacPhail	613444.5946	7051261.344	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	65	Dry		
118264	15/06/2011	DrewMacPhail	613424.6989	7051310.48	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	60	Dry		
118266	15/06/2011	DrewMacPhail	613389.7908	7051348.598	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	65	Dry		
118267	15/06/2011	DrewMacPhail	613371.1934	7051387.856	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	50	Dry		
118268	15/06/2011	DrewMacPhail	613337.6798	7051439.852	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118269	15/06/2011	DrewMacPhail	613301.5055	7051478.707	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	50	Dry		
118270	15/06/2011	DrewMacPhail	613286.8524	7051524.462	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118271	15/06/2011	DrewMacPhail	613248.2	7051558.991	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	45	Dry		
118272	15/06/2011	DrewMacPhail	613227.9775	7051599.307	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118273	15/06/2011	DrewMacPhail	613208.9605	7051637.882	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C		Dry		
118274	15/06/2011	DrewMacPhail	613177.2228	7051693.177	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118275	15/06/2011	DrewMacPhail	613157.0177	7051730.26	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	65	Dry		
118276	15/06/2011	DrewMacPhail	613137.5496	7051770.38	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118277	15/06/2011	DrewMacPhail	613115.3785	7051825.013	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118278	15/06/2011	DrewMacPhail	613087.5105	7051861.043	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry		
118279	15/06/2011	DrewMacPhail	613077.1476	7051907.844	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	45	Dry		
118280	15/06/2011	DrewMacPhail	613048.6617	7051952.885	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118281	15/06/2011	DrewMacPhail	613031.3763	7052009.922	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry		
118282	15/06/2011	DrewMacPhail	613011.1905	7052043.773	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	B	60	Dry		
118283	15/06/2011	DrewMacPhail	612981.1289	7052095.449	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118284	15/06/2011	DrewMacPhail	612962.9592	7052138.293	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118285	15/06/2011	DrewMacPhail	612940.2446	7052180.417	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118286	15/06/2011	DrewMacPhail	612925.2026	7052231.736	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118287	15/06/2011	DrewMacPhail	612909.8633	7052283.045	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118288	15/06/2011	DrewMacPhail	612909.2117	7052332.088	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	60	Dry		
118289	15/06/2011	DrewMacPhail	612903.2108	7052376.48	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry		
118291	15/06/2011	DrewMacPhail	612890.198	7052421.069	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
118292	15/06/2011	DrewMacPhail	612879.7485	7052476.008	UTMZ7N_WGS84	Soil	Grey	Sand	ModerateN	C	50	Dry		
118293	15/06/2011	DrewMacPhail	612879.337	7052522.495	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	40	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118294	15/06/2011	DrewMacPhail	612868.8241	7052573.64	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	50	Dry		
118295	15/06/2011	DrewMacPhail	612863.7833	7052628.772	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118296	15/06/2011	DrewMacPhail	612849.5094	7052669.748	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	35	Dry		
118297	15/06/2011	DrewMacPhail	612828.1121	7052721.064	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	40	Dry		
118309	16/06/2011	DrewMacPhail	612653.5747	7047854.889	UTMZ7N_WGS84									
118312	16/06/2011	DrewMacPhail	612272.7525	7047255.199	UTMZ7N_WGS84									
119172	17/06/2011	MartyHuber	620628.5679	7044639.556	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
119173	17/06/2011	MartyHuber	620685.9906	7044646.417	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	55	Dry	Good	ForestMixed
119174	17/06/2011	MartyHuber	620736.5104	7044648.778	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateE	C	50	Dry	Good	ForestMixed
119175	17/06/2011	MartyHuber	620777.8454	7044655.588	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateE	C	60	Dry	Good	ForestMixed
119176	17/06/2011	MartyHuber	620837.5087	7044653.28	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119177	17/06/2011	MartyHuber	620885.7766	7044662.473	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119178	17/06/2011	MartyHuber	620927.0963	7044667.053	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	55	Dry	Good	ForestMixed
119179	17/06/2011	MartyHuber	620998.2878	7044669.424	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	55	Dry	Excellent	ForestPine
119180	17/06/2011	MartyHuber	621027.804	7044681.81	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	55	Dry	Good	ForestMixed
119181	17/06/2011	MartyHuber	621081.3405	7044684.738	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateE	C	50	Dry	Good	ForestMixed
119182	17/06/2011	MartyHuber	621129.0096	7044690.008	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
119183	17/06/2011	MartyHuber	621177.8587	7044691.756	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
119184	17/06/2011	MartyHuber	621226.096	7044696.492	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	65	Dry	Good	ForestMixed
119185	17/06/2011	MartyHuber	621277.2824	7044703.572	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	55	Dry	Good	ForestMixed
119186	17/06/2011	MartyHuber	621327.9112	7044708.289	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateE	C	55	Dry	Good	ForestMixed
119187	17/06/2011	MartyHuber	621378.5083	7044711.222	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	55	Dry	Good	ForestMixed
119188	17/06/2011	MartyHuber	621426.1797	7044717.724	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateE	C	55	Dry	Good	ForestMixed
119189	17/06/2011	MartyHuber	621479.1574	7044723.537	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	55	Dry	Good	ForestMixed
119191	17/06/2011	MartyHuber	621523.8471	7044731.154	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	55	Dry	Good	ForestMixed
119192	17/06/2011	MartyHuber	621581.5022	7044730.567	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateE	C	50	Dry	Good	ForestMixed
119193	17/06/2011	MartyHuber	621627.9852	7044739.48	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	55	Dry	Good	ForestMixed
119194	17/06/2011	MartyHuber	621678.6286	7044741.192	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119195	17/06/2011	MartyHuber	621723.339	7044748.255	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119196	17/06/2011	MartyHuber	621773.3514	7044754.74	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119197	17/06/2011	MartyHuber	621826.301	7044754.759	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	55	Dry	Good	ForestMixed
119198	17/06/2011	MartyHuber	621876.9172	7044762.384	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119199	17/06/2011	MartyHuber	621925.1429	7044764.789	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	55	Dry	Good	ForestMixed
119200	17/06/2011	MartyHuber	621973.9768	7044768.221	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateE	C	55	Dry	Good	ForestMixed
119201	13/06/2011	MartyHuber	613747.6743	7050898.946	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Dry	Excellent	ForestMixed
119202	13/06/2011	MartyHuber	613746.0715	7050950.631	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateN	C	55	Dry	Good	ForestMixed
119203	13/06/2011	MartyHuber	613751.9015	7050998.792	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	55	Dry	Good	ForestMixed
119204	13/06/2011	MartyHuber	613766.0194	7051045.911	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateN	C	50	Dry	Good	ForestMixed
119205	13/06/2011	MartyHuber	613780.4364	7051094.379	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateN	C	40	Frozen	Poor	ForestMixed
119206	13/06/2011	MartyHuber	613785.1497	7051152.87	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Moist	Excellent	ForestMixed
119207	13/06/2011	MartyHuber	613790.3272	7051190.079	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	55	Dry	Excellent	ForestMixed
119208	13/06/2011	MartyHuber	613804.1177	7051237.967	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
119209	13/06/2011	MartyHuber	613807.7621	7051295.751	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	55	Dry	Good	ForestMixed
119210	13/06/2011	MartyHuber	613827.416	7051336.713	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
119211	13/06/2011	MartyHuber	613824.1795	7051399.268	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
119212	13/06/2011	MartyHuber	613836.0576	7051431.142	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
119213	13/06/2011	MartyHuber	613846.7368	7051479.811	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
119214	13/06/2011	MartyHuber	613856.0796	7051528.32	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
119216	13/06/2011	MartyHuber	613856.5209	7051582.533	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	35	Dry	Poor	ForestMixed
119217	13/06/2011	MartyHuber	613874.0315	7051634.681	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	55	Moist	Good	ForestMixed
119218	13/06/2011	MartyHuber	613871.6795	7051678.088	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119219	13/06/2011	MartyHuber	613893.8303	7051740.773	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	45	Dry	Good	ForestMixed
119220	13/06/2011	MartyHuber	613898.8923	7051793.59	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Frozen	Poor	ForestMixed
119221	13/06/2011	MartyHuber	613892.6062	7051833.064	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateN	B	40	Frozen	Poor	ForestMixed
119222	13/06/2011	MartyHuber	613900.004	7051878.94	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	55	Moist	Good	ForestMixed
119223	13/06/2011	MartyHuber	613906.8271	7051928.363	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateN	B	40	Moist	Poor	ForestMixed
119224	14/06/2011	MartyHuber	613497.2281	7047000.252	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Moist	Good	ForestMixed
119225	14/06/2011	MartyHuber	613502.0007	7047075.694	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Dry	Good	ForestMixed
119226	14/06/2011	MartyHuber	613499.8344	7047122.453	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
119227	14/06/2011	MartyHuber	613501.8805	7047155.757	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	ForestMixed
119228	14/06/2011	MartyHuber	613507.1016	7047213.038	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
119229	14/06/2011	MartyHuber	613516.8986	7047262.008	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	ForestMixed
119230	14/06/2011	MartyHuber	613502.6891	7047314.359	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Dry	Excellent	ForestMixed
119231	14/06/2011	MartyHuber	613508.3351	7047365.299	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	55	Dry	Excellent	ForestMixed
119232	14/06/2011	MartyHuber	613509.5141	7047422.883	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	35	Dry	Good	ForestFir
119233	14/06/2011	MartyHuber	613510.2935	7047467.962	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	35	Dry	Good	ForestMixed
119234	14/06/2011	MartyHuber	613517.221	7047515.045	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	45	Dry	Good	ForestMixed
119235	14/06/2011	MartyHuber	613513.7204	7047567.109	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Dry	Excellent	ForestMixed
119236	14/06/2011	MartyHuber	613511.2157	7047612.183	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
119237	14/06/2011	MartyHuber	613511.2434	7047664.372	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	55	Dry	Good	ForestMixed
119238	14/06/2011	MartyHuber	613512.1694	7047708.119	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	45	Dry	Good	ForestMixed
119239	14/06/2011	MartyHuber	613508.6907	7047760.964	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
119241	14/06/2011	MartyHuber	613512.5185	7047812.62	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Good	ForestMixed
119242	14/06/2011	MartyHuber	613517.9728	7047959.456	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	35	Moist	Good	SubAlpineFir
119243	14/06/2011	MartyHuber	613514.5297	7048014.087	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	35	Dry	Good	ForestMixed
119244	14/06/2011	MartyHuber	613525.663	7048050.615	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	B	40	Dry	Poor	ForestMixed
119245	14/06/2011	MartyHuber	613555.4102	7048095.279	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	ForestMixed
119246	14/06/2011	MartyHuber	613588.9405	7048139.856	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Good	ForestMixed
119247	14/06/2011	MartyHuber	613610.9553	7048178.112	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	ForestMixed
119248	14/06/2011	MartyHuber	613634.1893	7048223.994	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	45	Dry	Good	ForestFir
119249	14/06/2011	MartyHuber	613687.1558	7048313.427	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestFir
119250	14/06/2011	MartyHuber	613724.0327	7048353.33	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateN	C	50	Dry	Excellent	ForestFir
119251	14/06/2011	MartyHuber	613747.8601	7048396.446	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateN	C	40	Dry	Excellent	ForestFir
119252	14/06/2011	MartyHuber	613783.9837	7048440.672	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateN	C	50	Moist	Good	ForestFir
119253	14/06/2011	MartyHuber	613809.8191	7048479.066	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	60	Dry	Good	ForestFir
119254	14/06/2011	MartyHuber	613831.2205	7048517.636	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Dry	Good	ForestFir
119255	14/06/2011	MartyHuber	613862.602	7048562.251	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	ForestFir
119256	14/06/2011	MartyHuber	613887.9223	7048603.861	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Good	ForestMixed
119257	14/06/2011	MartyHuber	613918.399	7048641.753	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateN	C	40	Dry	Excellent	ForestFir
119258	14/06/2011	MartyHuber	613961.6935	7048668.953	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	60	Dry	Good	ForestFir
119259	14/06/2011	MartyHuber	613992.0299	7048705.169	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Excellent	ForestFir
119260	14/06/2011	MartyHuber	614068.627	7048766.239	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	60	Dry	Excellent	ForestFir
119261	15/06/2011	MartyHuber	610851.7986	7051357.887	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
119262	15/06/2011	MartyHuber	610896.7018	7051378.412	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	30	Dry	Good	ForestMixed
119263	15/06/2011	MartyHuber	610944.7548	7051404.065	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	45	Dry	Good	ForestMixed
119264	15/06/2011	MartyHuber	610979.6805	7051441.304	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	45	Dry	Excellent	ForestMixed
119266	15/06/2011	MartyHuber	611027.8672	7051464.51	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	ForestMixed
119267	15/06/2011	MartyHuber	611063.6031	7051492.746	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateNE	C	65	Dry	Excellent	ForestMixed
119268	15/06/2011	MartyHuber	611104.1558	7051516.801	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	45	Dry	Good	ForestMixed
119269	15/06/2011	MartyHuber	611149.3162	7051551.166	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	45	Dry	Good	ForestMixed
119270	15/06/2011	MartyHuber	611201.411	7051577.635	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	35	Dry	Good	ForestMixed
119271	15/06/2011	MartyHuber	611228.3772	7051602.22	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	50	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119272	15/06/2011	MartyHuber	611276.1588	7051635.452	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	45	Dry	Good	ForestMixed
119273	15/06/2011	MartyHuber	611316.9479	7051655.504	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Good	ForestMixed
119274	15/06/2011	MartyHuber	611357.5159	7051688.931	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	ForestMixed
119275	15/06/2011	MartyHuber	611395.2092	7051716.458	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	ForestMixed
119276	15/06/2011	MartyHuber	611442.0733	7051733.269	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	45	Dry	Good	ForestMixed
119277	15/06/2011	MartyHuber	611492.2522	7051761.794	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	45	Dry	Good	ForestMixed
119278	15/06/2011	MartyHuber	611533.5377	7051791.679	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	50	Dry	Good	ForestMixed
119279	15/06/2011	MartyHuber	611573.2516	7051828.09	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	55	Dry	Good	ForestMixed
119280	15/06/2011	MartyHuber	611609.4158	7051841.07	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	55	Dry	Good	ForestMixed
119281	15/06/2011	MartyHuber	611661.3088	7051853.265	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateNE	C	45	Dry	Good	ForestMixed
119282	15/06/2011	MartyHuber	611704.8199	7051855.131	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	50	Dry	Good	ForestMixed
119283	15/06/2011	MartyHuber	611763.0048	7051857.959	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	45	Dry	Good	ForestMixed
119284	15/06/2011	MartyHuber	611804.3254	7051866.997	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	55	Dry	Good	ForestMixed
119285	15/06/2011	MartyHuber	611854.5292	7051872.111	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateNE	C	50	Dry	Good	ForestMixed
119286	15/06/2011	MartyHuber	611906.6157	7051864.691	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	55	Dry	Good	ForestMixed
119287	15/06/2011	MartyHuber	611945.7741	7051878.673	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateNE	C	45	Dry	Good	ForestMixed
119288	15/06/2011	MartyHuber	612004.125	7051875.378	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	55	Dry	Good	ForestMixed
119289	15/06/2011	MartyHuber	612059.5182	7051871.423	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	60	Dry	Good	ForestMixed
119291	15/06/2011	MartyHuber	612105.2366	7051879.728	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	50	Dry	Good	ForestMixed
119292	15/06/2011	MartyHuber	612153.9024	7051887.58	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	55	Dry	Good	ForestMixed
119293	15/06/2011	MartyHuber	612207.8669	7051891.718	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	50	Dry	Good	ForestMixed
119294	15/06/2011	MartyHuber	612240.4966	7051883.727	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Swamp	B	40	Wet	Poor	ForestFir
119295	15/06/2011	MartyHuber	612309.857	7051895.101	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	40	Dry	Good	ForestMixed
119296	15/06/2011	MartyHuber	612351.881	7051898.261	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	B	40	Wet	Poor	ForestMixed
119297	16/06/2011	MartyHuber	612822.6629	7052821.233	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	65	Dry	Excellent	ForestMixed
119298	16/06/2011	MartyHuber	612809.3715	7052873.73	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Good	ForestMixed
119299	16/06/2011	MartyHuber	612805.4737	7052916.301	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	35	Dry	Good	ForestMixed
119300	16/06/2011	MartyHuber	612792.7311	7052975.731	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Good	ForestMixed
119301	16/06/2011	MartyHuber	612773.2068	7053017.747	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Dry	Poor	ForestMixed
119302	16/06/2011	MartyHuber	612787.6495	7053069.78	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	55	Dry	Excellent	ForestMixed
119303	16/06/2011	MartyHuber	612796.9956	7053117.059	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Dry	Good	ForestMixed
119304	16/06/2011	MartyHuber	612813.6289	7053156.346	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	55	Dry	Excellent	ForestMixed
119305	16/06/2011	MartyHuber	612835.1134	7053197.478	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	ForestMixed
119306	16/06/2011	MartyHuber	612848.4869	7053254.38	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Dry	Good	ForestMixed
119307	16/06/2011	MartyHuber	612872.7499	7053294.162	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	65	Dry	Good	ForestMixed
119308	16/06/2011	MartyHuber	612884.4097	7053347.546	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	ForestMixed
119309	16/06/2011	MartyHuber	612902.7551	7053394.477	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Excellent	ForestMixed
119310	16/06/2011	MartyHuber	612914.5029	7053441.174	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Moist	Good	ForestMixed
119311	16/06/2011	MartyHuber	612940.3746	7053480.344	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Moist	Good	ForestMixed
119312	16/06/2011	MartyHuber	612951.3002	7053536.156	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	45	Dry	Good	ForestMixed
119313	16/06/2011	MartyHuber	612966.4572	7053586.096	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	50	Moist	Poor	ForestMixed
119314	16/06/2011	MartyHuber	612978.2725	7053629.45	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	45	Dry	Excellent	ForestMixed
119315	16/06/2011	MartyHuber	613007.7822	7053679.345	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateN	C	45	Dry	Excellent	ForestMixed
119316	16/06/2011	MartyHuber	613016.8508	7053721.709	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	65	Dry	Excellent	ForestMixed
119317	16/06/2011	MartyHuber	613028.5675	7053771.973	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	45	Dry	Excellent	ForestMixed
119318	16/06/2011	MartyHuber	613042.1129	7053823.864	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	50	Dry	Excellent	ForestMixed
119319	16/06/2011	MartyHuber	613037.3016	7053868.298	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
119320	16/06/2011	MartyHuber	613044.0994	7053918.611	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	45	Dry	Excellent	ForestMixed
119321	16/06/2011	MartyHuber	613051.4148	7053966.934	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
119322	16/06/2011	MartyHuber	613055.6133	7054020.499	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
119323	16/06/2011	MartyHuber	613064.7848	7054072.458	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Frozen	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119324	16/06/2011	MartyHuber	613075.7809	7054123.366	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
119325	16/06/2011	MartyHuber	613089.8253	7054179.289	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	55	Dry	Excellent	ForestMixed
119326	16/06/2011	MartyHuber	613087.426	7054211.766	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
119327	16/06/2011	MartyHuber	613098.78	7054265.141	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	55	Moist	Poor	ForestMixed
119328	16/06/2011	MartyHuber	613093.4421	7054317.362	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	55	Dry	Good	ForestMixed
119329	16/06/2011	MartyHuber	613105.5856	7054356.937	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry	Poor	ForestMixed
119330	16/06/2011	MartyHuber	613104.9917	7054418.137	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	55	Dry	Excellent	ForestMixed
119331	16/06/2011	MartyHuber	613115.4186	7054462.669	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	65	Dry	Excellent	ForestMixed
119332	16/06/2011	MartyHuber	613127.2296	7054507.362	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	45	Dry	Poor	ForestMixed
119333	16/06/2011	MartyHuber	613134.3091	7054563.595	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	45	Dry	Good	ForestMixed
119334	16/06/2011	MartyHuber	613131.698	7054613.126	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	40	Dry	Good	ForestMixed
119335	16/06/2011	MartyHuber	613130.068	7054672.728	UTMZ7N_WGS84	Colluvium	Orange	Gravel	Ridge	C	35	Dry	Good	ForestMixed
119336	16/06/2011	MartyHuber	613124.0438	7054719.127	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	C	30	Dry	Good	ForestMixed
119337	16/06/2011	MartyHuber	613136.7721	7054758.946	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	30	Dry	Good	ForestMixed
119338	16/06/2011	MartyHuber	613145.1879	7054805.525	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	B	40	Dry	Good	ForestMixed
119339	16/06/2011	MartyHuber	613151.772	7054863.078	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	B	40	Dry	Good	ForestMixed
119919	21/07/2011	MartyHuber	610906.2048	7051496.165	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Good	ForestMixed
119920	21/07/2011	MartyHuber	610961.3241	7051508.684	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Good	ForestMixed
119921	21/07/2011	MartyHuber	611014.307	7051506.968	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	45	Dry	Excellent	ForestMixed
119922	21/07/2011	MartyHuber	611065.0488	7051505.397	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Good	ForestMixed
119923	21/07/2011	MartyHuber	611111.6715	7051497.996	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Good	ForestMixed
119924	21/07/2011	MartyHuber	611163.2208	7051504.596	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	45	Dry	Good	ForestMixed
119925	21/07/2011	MartyHuber	611211.9738	7051512.994	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Good	ForestMixed
119926	21/07/2011	MartyHuber	611257.1413	7051501.752	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	45	Dry	Good	ForestMixed
119927	21/07/2011	MartyHuber	611302.9593	7051498.898	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Good	ForestMixed
119928	21/07/2011	MartyHuber	611367.8169	7051511.431	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Good	ForestMixed
119929	21/07/2011	MartyHuber	611408.7455	7051502.05	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	45	Dry	Good	ForestMixed
119930	21/07/2011	MartyHuber	611456.7397	7051499.498	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	50	Dry	Good	ForestMixed
119931	21/07/2011	MartyHuber	611516.839	7051517.331	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
119932	21/07/2011	MartyHuber	611557.3706	7051499.463	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	45	Dry	Good	ForestMixed
119933	21/07/2011	MartyHuber	611616.4137	7051502.096	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	45	Dry	Good	ForestMixed
119934	21/07/2011	MartyHuber	611662.6384	7051501.826	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	45	Dry	Excellent	ForestMixed
119935	21/07/2011	MartyHuber	611717.144	7051502.071	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	45	Dry	Good	ForestMixed
119936	21/07/2011	MartyHuber	611757.4965	7051502.041	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119937	21/07/2011	MartyHuber	611713.4049	7051393.661	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50		Good	ForestMixed
119938	21/07/2011	MartyHuber	611613.2777	7051407.535	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119939	21/07/2011	MartyHuber	611503.9395	7051406.37	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
119941	21/07/2011	MartyHuber	611415.9045	7051402.833	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	45	Dry	Good	ForestMixed
119942	21/07/2011	MartyHuber	611308.7731	7051406.77	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateE	C	40	Dry	Good	ForestMixed
119943	21/07/2011	MartyHuber	611209.6592	7051401.736	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119944	21/07/2011	MartyHuber	611111.3959	7051413.572	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	ForestMixed
119945	21/07/2011	MartyHuber	611003.8844	7051399.999	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Dry	Good	ForestMixed
119946	21/07/2011	MartyHuber	610914.9326	7051402.8	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	45	Dry	Good	ForestMixed
119947	23/07/2011	MartyHuber	612821.3946	7054221.249	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	70	Wet	Good	ForestMixed
119948	23/07/2011	MartyHuber	612855.107	7054252	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	B	70	Dry	Good	ForestMixed
119949	23/07/2011	MartyHuber	612899.7361	7054274.553	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateNW	C	50	Dry	Good	ForestMixed
119950	23/07/2011	MartyHuber	612929.145	7054313.18	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	50	Dry	Excellent	ForestMixed
119951	23/07/2011	MartyHuber	612967.0485	7054329.362	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	55	Dry	Good	ForestMixed
119952	23/07/2011	MartyHuber	613013.3854	7054365.248	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	60	Dry	Good	ForestMixed
119953	23/07/2011	MartyHuber	613043.284	7054398.429	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	45	Dry	Good	ForestMixed
119954	23/07/2011	MartyHuber	613079.2908	7054438.52	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	55	Dry	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119955	23/07/2011	MartyHuber	613124.7049	7054466.792	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	55	Dry	Good	ForestMixed
119956	23/07/2011	MartyHuber	613163.5194	7054492.153	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	50	Dry	Good	ForestMixed
119957	23/07/2011	MartyHuber	613193.9092	7054524.015	UTMZ7N_WGS84	Alluvium	Brown	Gravel	Flat	C	50	Dry	Good	ForestMixed
119958	23/07/2011	MartyHuber	613236.7411	7054568.924	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	70	Moist	Good	ForestMixed
119959	23/07/2011	MartyHuber	613284.2378	7054602.737	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	65	Frozen	Poor	ForestMixed
119960	23/07/2011	MartyHuber	613307.2325	7054624.746	UTMZ7N_WGS84	Colluvium	Brown	Silt	Drainage	B	65	Frozen	Poor	ForestMixed
119961	23/07/2011	MartyHuber	613353.2521	7054658.173	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateW	C	55	Dry	Good	ForestMixed
119962	23/07/2011	MartyHuber	613385.8652	7054693.016	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Dry	Good	ForestMixed
119963	23/07/2011	MartyHuber	613423.7798	7054722.586	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	65	Frozen	Poor	DrainageBrush
119964	23/07/2011	MartyHuber	613461.4832	7054764.972	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	B	60	Frozen	Poor	DrainageBrush
119965	23/07/2011	MartyHuber	613502.1185	7054787.838	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	50	Dry	Good	ForestMixed
119966	23/07/2011	MartyHuber	613535.3121	7054820.25	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Dry	Good	ForestAspen
119967	23/07/2011	MartyHuber	613576.9714	7054853.301	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Dry	Good	ForestAspen
119968	23/07/2011	MartyHuber	613621.9146	7054883.348	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	50	Dry	Good	ForestAspen
119969	23/07/2011	MartyHuber	613669.3785	7054917.835	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Good	ForestAspen
119970	23/07/2011	MartyHuber	613692.0784	7054949.316	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	45	Dry	Good	ForestAspen
119971	23/07/2011	MartyHuber	613730.5664	7054993.183	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	45	Dry	Good	ForestMixed
119972	23/07/2011	MartyHuber	613768.1613	7055013.49	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	45	Dry	Good	ForestMixed
119973	23/07/2011	MartyHuber	613809.8387	7055041.75	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	75	Moist	Good	ForestMixed
119974	23/07/2011	MartyHuber	613838.2751	7055080.686	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	B	75	Moist	Good	ForestMixed
119975	23/07/2011	MartyHuber	613883.3525	7055113.752	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	B	70	Moist	Good	ForestMixed
119976	23/07/2011	MartyHuber	613920.1267	7055144.402	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	B	75	Moist	Good	ForestMixed
119977	23/07/2011	MartyHuber	613960.4055	7055176.963	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	B	75	Moist	Good	ForestMixed
119978	23/07/2011	MartyHuber	613998.6706	7055215.808	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	B	85	Moist	Good	ForestMixed
119979	23/07/2011	MartyHuber	614039.8816	7055237.586	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	B	70	Moist	Good	ForestMixed
119980	23/07/2011	MartyHuber	614086.5031	7055266.251	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	55	Moist	Good	ForestMixed
119981	23/07/2011	MartyHuber	614108.9921	7055307.541	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	B	65	Moist	Good	ForestMixed
120107	12/06/2011	SteveCrowell	620344.9078	7044005.064	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	25	Moist		
120108	12/06/2011	SteveCrowell	620369.9712	7043974.673	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist		
120109	12/06/2011	SteveCrowell	620396.4839	7043933.631	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	45	Moist		
120110	12/06/2011	SteveCrowell	620427.6512	7043889.419	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	20	Moist		
120111	12/06/2011	SteveCrowell	620459.8567	7043850.711	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	B	25	Moist		
120112	12/06/2011	SteveCrowell	620483.1741	7043817.802	UTMZ7N_WGS84	Soil	Grey	Silt	Ridge	C	30	Dry		
120113	12/06/2011	SteveCrowell	620518.6983	7043771.748	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry		
120114	12/06/2011	SteveCrowell	620550.632	7043733.7	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Moist		
120115	12/06/2011	SteveCrowell	620550.8807	7043733.709	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Moist		
120116	12/06/2011	SteveCrowell	620607.1569	7043659.446	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Moist		
120117	12/06/2011	SteveCrowell	620636.0173	7043599.981	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Moist		
120118	12/06/2011	SteveCrowell	620663.7719	7043559.21	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	60	Moist		
120119	12/06/2011	SteveCrowell	620708.0911	7043483.715	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	B	30	Wet		
120120	12/06/2011	SteveCrowell	620732.4668	7043432.222	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	40	Dry		
120121	12/06/2011	SteveCrowell	620779.5831	7043346.126	UTMZ7N_WGS84	Soil	Tan	Silt	RidgeAlpine	B	30	Wet		
120122	12/06/2011	SteveCrowell	620801.8671	7043299.908	UTMZ7N_WGS84	Soil	RustyOrange	Silt	RidgeAlpine	B	30	Moist		
120123	12/06/2011	SteveCrowell	620825.1104	7043258.633	UTMZ7N_WGS84	Soil	Tan	Silt	RidgeAlpine	C	40	Moist		
120124	12/06/2011	SteveCrowell	620850.901	7043210.652	UTMZ7N_WGS84	Soil	Tan	Silt	RidgeAlpine	C	40	Moist		
120125	12/06/2011	SteveCrowell	620871.7841	7043165.942	UTMZ7N_WGS84	Soil	RustyOrange	Silt	RidgeAlpine	B	30	Wet		
120126	12/06/2011	SteveCrowell	620893.1253	7043124.93	UTMZ7N_WGS84	Soil	Tan	Sand	RidgeAlpine	C	35	Dry		
120127	12/06/2011	SteveCrowell	620917.8235	7043082.15	UTMZ7N_WGS84	Soil	RustyOrange	Sand	RidgeAlpine	C	40	Dry		
120128	12/06/2011	SteveCrowell	620928.6606	7043035.609	UTMZ7N_WGS84	Soil	RustyOrange	Silt	RidgeAlpine	B	25	Dry		
120129	12/06/2011	SteveCrowell	620946.6449	7042981.979	UTMZ7N_WGS84	Soil	RustyOrange	Silt	RidgeAlpine	C	40	Wet		
120130	12/06/2011	SteveCrowell	620951.3222	7042937.547	UTMZ7N_WGS84	Soil	Grey	Sand	RidgeAlpine	C	40	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120131	12/06/2011	SteveCrowell	620967.9479	7042837.025	UTMZ7N_WGS84	Soil	RustyOrange	Sand	RidgeAlpine	C	40	Dry		
120132	12/06/2011	SteveCrowell	620980.4186	7042781.624	UTMZ7N_WGS84	Soil	BrownLight	Sand	RidgeAlpine	C	40	Wet		
120133	12/06/2011	SteveCrowell	621004.5149	7042687.854	UTMZ7N_WGS84	Soil	Brown	Silt	RidgeAlpine	B	20	Wet		
120134	12/06/2011	SteveCrowell	621010.6183	7042640.019	UTMZ7N_WGS84	Soil	Brown	Silt	RidgeAlpine	B	20	Wet		
120135	12/06/2011	SteveCrowell	621029.4146	7042541.475	UTMZ7N_WGS84	Soil	RustyOrange	Silt	RidgeAlpine	B	20	Wet		
120136	12/06/2011	SteveCrowell	621040.3518	7042492.374	UTMZ7N_WGS84	Soil	Brown	Silt	RidgeAlpine	B	25	Moist		
120137	12/06/2011	SteveCrowell	621066.743	7042396.015	UTMZ7N_WGS84	Soil	RustyOrange	Silt	RidgeAlpine	B	25	Moist		
120138	13/06/2011	SteveCrowell	617922.5091	7047452.433	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	30	Moist		
120139	13/06/2011	SteveCrowell	617929.8486	7047502.778	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateN	C	40	Moist		
120141	13/06/2011	SteveCrowell	617933.8208	7047552.664	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateN	C	30	Moist		
120142	13/06/2011	SteveCrowell	617921.701	7047651.357	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	35	Moist		
120143	13/06/2011	SteveCrowell	617921.8836	7047697.422	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateN	C	40	Dry		
120144	13/06/2011	SteveCrowell	617924.8871	7047753.294	UTMZ7N_WGS84	Soil	RustyOrange	Sand	ModerateN	C	35	Dry		
120145	13/06/2011	SteveCrowell	617927.5336	7047802.684	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	B	30	Moist		
120146	13/06/2011	SteveCrowell	617925.845	7047856.263	UTMZ7N_WGS84	Soil	RustyOrange	Silt	Ridge	C	35	Moist		
120147	13/06/2011	SteveCrowell	617917.0125	7047899.875	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Moist		
120148	13/06/2011	SteveCrowell	617919.4888	7047945.802	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	45	Moist		
120149	13/06/2011	SteveCrowell	617927.7466	7048006.218	UTMZ7N_WGS84	Soil	Tan	Silt	ModerateN	C	40	Moist		
120150	13/06/2011	SteveCrowell	617915.4029	7048046.577	UTMZ7N_WGS84	Soil	RustyOrange	Sand	ModerateN	C	40	Dry		
120151	13/06/2011	SteveCrowell	617903.6405	7048102.125	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	40	Moist		
120152	13/06/2011	SteveCrowell	617898.0509	7048148.199	UTMZ7N_WGS84	Soil	Brown	Clay	Ridge	C	40	Dry		
120153	13/06/2011	SteveCrowell	617880.426	7048200.852	UTMZ7N_WGS84	Soil	Grey	Sand	Ridge	C	40	Dry		
120154	13/06/2011	SteveCrowell	617878.2987	7048252.854	UTMZ7N_WGS84	Soil	RustyOrange	Sand	Ridge	C	30	Dry		
120155	13/06/2011	SteveCrowell	617868.5822	7048302.901	UTMZ7N_WGS84	Soil	Tan	Sand	Ridge	C	30	Dry		
120156	13/06/2011	SteveCrowell	617890.5787	7048340.296	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	60	Moist		
120157	13/06/2011	SteveCrowell	617921.0208	7048380.68	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	40	Dry		
120158	13/06/2011	SteveCrowell	617945.3308	7048424.072	UTMZ7N_WGS84	Soil	RustyOrange	Silt	Flat	B	25	Moist		
120159	13/06/2011	SteveCrowell	617959.1662	7048473.543	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist		
120160	13/06/2011	SteveCrowell	617979.0204	7048520.338	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateN	C	40	Moist		
120161	13/06/2011	SteveCrowell	618003.8874	7048564.755	UTMZ7N_WGS84	Soil	Grey	Sand	ModerateN	C	45	Dry		
120162	13/06/2011	SteveCrowell	618018.2053	7048611.902	UTMZ7N_WGS84	Soil	Grey	Sand	SteepN	C	40	Dry		
120163	13/06/2011	SteveCrowell	618045.4681	7048661.426	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
120164	13/06/2011	SteveCrowell	618068.6768	7048699.537	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	60	Dry		
120166	13/06/2011	SteveCrowell	618101.8376	7048796.454	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	50	Dry		
120167	13/06/2011	SteveCrowell	618138.8459	7048837.977	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	30	Moist		
120168	13/06/2011	SteveCrowell	618152.9203	7048880.879	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	45	Dry		
120169	13/06/2011	SteveCrowell	618157.2456	7048933.12	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry		
120170	13/06/2011	SteveCrowell	618167.8793	7048981.582	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	40	Dry		
120171	13/06/2011	SteveCrowell	618187.9296	7049029.612	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	60	Dry		
120172	13/06/2011	SteveCrowell	618189.0835	7049072.145	UTMZ7N_WGS84	Soil	RustyOrange	Sand	ModerateN	C	50	Dry		
120173	13/06/2011	SteveCrowell	618129.8419	7049114.997	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	40	Dry		
120174	13/06/2011	SteveCrowell	618073.2712	7049114.122	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	B	25	Dry		
120175	13/06/2011	SteveCrowell	617982.4239	7049022.311	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	30	Dry		
120176	13/06/2011	SteveCrowell	617936.4012	7048995.845	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateW	C	50	Dry		
120177	13/06/2011	SteveCrowell	617771.5927	7048849.997	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateW	C	60	Dry		
120178	13/06/2011	SteveCrowell	617677.4283	7048863.461	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateW	C	60	Dry		
120179	13/06/2011	SteveCrowell	617579.288	7048907.782	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNW	C	30	Dry		
120180	15/06/2011	SteveCrowell	609127.8291	7052174.063	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	60	Dry		
120181	15/06/2011	SteveCrowell	609153.1724	7052222.995	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	45	Frozen		
120182	15/06/2011	SteveCrowell	609167.2212	7052266.632	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	55	Wet		
120183	15/06/2011	SteveCrowell	609188.0479	7052313.959	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	45	Moist		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120184	15/06/2011	SteveCrowell	609210.6076	7052355.659	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	40	Dry		
120185	15/06/2011	SteveCrowell	609245.4292	7052452.42	UTMZ7N_WGS84	Soil	Tan	Sand	ModerateN	B	30	Dry		
120186	15/06/2011	SteveCrowell	609265.2579	7052495.476	UTMZ7N_WGS84	Soil	Tan	Sand	ModerateN	B	30	Dry		
120187	15/06/2011	SteveCrowell	609278.1733	7052543.089	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	60	Dry		
120188	15/06/2011	SteveCrowell	609305.8291	7052583.85	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	45	Dry		
120189	15/06/2011	SteveCrowell	609327.8939	7052639.807	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	35	Dry		
120190	15/06/2011	SteveCrowell	609340.0199	7052675.684	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	35	Dry		
120192	15/06/2011	SteveCrowell	609361.9165	7052726.395	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	50	Dry		
120193	15/06/2011	SteveCrowell	609379.4243	7052773.274	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry		
120194	15/06/2011	SteveCrowell	609394.1908	7052823.293	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Dry		
120195	15/06/2011	SteveCrowell	609417.0036	7052863.219	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	40	Dry		
120196	15/06/2011	SteveCrowell	609426.7401	7052909.274	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	40	Dry		
120197	15/06/2011	SteveCrowell	609445.6562	7052962.781	UTMZ7N_WGS84	Soil	RustyOrange	Silt	Flat	C	50	Dry		
120198	15/06/2011	SteveCrowell	609462.3381	7053004.727	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	40	Dry		
120199	15/06/2011	SteveCrowell	609475.6263	7053050.012	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateN	C	35	Dry		
120200	15/06/2011	SteveCrowell	609487.8706	7053102.509	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	50	Dry		
120201	15/06/2011	SteveCrowell	609507.4361	7053158.716	UTMZ7N_WGS84	Soil	Tan	Silt	ModerateN	C	45	Dry		
120202	15/06/2011	SteveCrowell	609522.1579	7053202.712	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	50	Dry		
120203	15/06/2011	SteveCrowell	609545.306	7053241.424	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	55	Dry		
120204	15/06/2011	SteveCrowell	609551.9644	7053298.859	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateN	C	40	Dry		
120205	15/06/2011	SteveCrowell	609570.9045	7053344.339	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	40	Dry		
120206	15/06/2011	SteveCrowell	609585.2053	7053386.092	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	65	Dry		
120207	15/06/2011	SteveCrowell	609606.6544	7053433.667	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	45	Dry		
120208	15/06/2011	SteveCrowell	609627.293	7053484.559	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	C	40	Dry		
120209	15/06/2011	SteveCrowell	609632.3222	7053521.531	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	45	Dry		
120210	15/06/2011	SteveCrowell	609650.2346	7053575.117	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateN	C	35	Dry		
120211	15/06/2011	SteveCrowell	609663.5441	7053619.623	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateN	C	30	Dry		
120212	15/06/2011	SteveCrowell	609690.7764	7053672.194	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateN	C	35	Dry		
120213	15/06/2011	SteveCrowell	609709.0311	7053723.004	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	40	Dry		
120214	15/06/2011	SteveCrowell	609719.9641	7053773.004	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	35	Moist		
120216	15/06/2011	SteveCrowell	609735.7485	7053814.809	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry		
120217	15/06/2011	SteveCrowell	609747.599	7053856.923	UTMZ7N_WGS84	Soil	RustyRed	Silt	ModerateN	C	65	Dry		
120218	15/06/2011	SteveCrowell	609764.8034	7053905.021	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry		
120219	16/06/2011	SteveCrowell	614804.3487	7053158.613	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	30	Dry		
120220	16/06/2011	SteveCrowell	614767.7286	7053194.646	UTMZ7N_WGS84	Soil	RustyOrange	Silt	Flat	B	25	Dry		
120221	16/06/2011	SteveCrowell	614735.2302	7053238.97	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	45	Dry		
120222	16/06/2011	SteveCrowell	614707.1762	7053270.296	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	B	30	Dry		
120223	16/06/2011	SteveCrowell	614669.5099	7053307.853	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	55	Moist		
120224	16/06/2011	SteveCrowell	614635.8759	7053346.561	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	50	Dry		
120225	16/06/2011	SteveCrowell	614592.4252	7053380.677	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	45	Dry		
120226	16/06/2011	SteveCrowell	614565.1634	7053416.27	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	60	Moist		
120227	16/06/2011	SteveCrowell	614534.7907	7053456.88	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateN	C	40	Dry		
120228	16/06/2011	SteveCrowell	614498.7092	7053496.059	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	50	Dry		
120229	16/06/2011	SteveCrowell	614470.2658	7053538.301	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	45	Dry		
120230	16/06/2011	SteveCrowell	614435.4594	7053573.846	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	40	Moist		
120231	16/06/2011	SteveCrowell	614406.5212	7053607.818	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateN	C	60	Moist		
120232	16/06/2011	SteveCrowell	614376.5705	7053649.226	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	60	Moist		
120233	16/06/2011	SteveCrowell	614328.6905	7053697.571	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateN	C	60	Moist		
120234	16/06/2011	SteveCrowell	614299.62	7053725.629	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist		
120235	16/06/2011	SteveCrowell	614264.7991	7053767.197	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	50	Dry		
120236	16/06/2011	SteveCrowell	614236.8406	7053805.778	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	50	Moist		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120237	16/06/2011	SteveCrowell	614209.8047	7053840.825	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	60	Moist		
120238	16/06/2011	SteveCrowell	614172.1918	7053885.527	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	60	Moist		
120239	16/06/2011	SteveCrowell	614143.8642	7053913.725	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	65	Wet		
120241	16/06/2011	SteveCrowell	614102.4807	7053944.575	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	55	Dry		
120242	16/06/2011	SteveCrowell	614083.9771	7053986.844	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	65	Moist		
120817	22/07/2011	SteveCrowell	611012.9201	7052498.476	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Dry		
120818	22/07/2011	SteveCrowell	611056.0403	7052532.546	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	45	Dry		
120819	22/07/2011	SteveCrowell	611101.6187	7052554.548	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateW	C	45	Dry		
120820	22/07/2011	SteveCrowell	611131.8902	7052593.745	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry		
120821	22/07/2011	SteveCrowell	611169.3415	7052620.816	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateN	C	40	Dry		
120822	22/07/2011	SteveCrowell	611212.5815	7052658.461	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	45	Dry		
120823	22/07/2011	SteveCrowell	611260.4756	7052678.093	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	30	Dry		
120824	22/07/2011	SteveCrowell	611288.0823	7052709.615	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	45	Dry		
120825	22/07/2011	SteveCrowell	611323.9808	7052746.893	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	55	Dry		
120826	22/07/2011	SteveCrowell	611368.3724	7052781.346	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Dry		
120827	22/07/2011	SteveCrowell	611406.1373	7052816.348	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	60	Dry		
120828	22/07/2011	SteveCrowell	611438.1528	7052848.138	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	45	Dry		
120829	22/07/2011	SteveCrowell	611486.8629	7052876.947	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry		
120830	22/07/2011	SteveCrowell	611522.3379	7052909.194	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	50	Dry		
120831	22/07/2011	SteveCrowell	611558.1009	7052951.599	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateN	C	60	Dry		
120832	22/07/2011	SteveCrowell	611598.0875	7052976.98	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	B	45	Dry		
120833	22/07/2011	SteveCrowell	611636.4886	7053007.882	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry		
120834	22/07/2011	SteveCrowell	611677.0821	7053039.976	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateN	C	50	Dry		
120835	22/07/2011	SteveCrowell	611711.0651	7053072.173	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	40	Dry		
120836	22/07/2011	SteveCrowell	611748.1386	7053108.27	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	40	Dry		
120837	22/07/2011	SteveCrowell	611781.855	7053142.354	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	40	Dry		
120838	22/07/2011	SteveCrowell	611818.8907	7053172.429	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	60	Dry		
120839	22/07/2011	SteveCrowell	611861.0584	7053206.254	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	50	Dry		
120841	22/07/2011	SteveCrowell	611908.8481	7053234.145	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	45	Dry		
120842	22/07/2011	SteveCrowell	611939.5739	7053264.222	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	60	Wet		
120843	22/07/2011	SteveCrowell	611980.1997	7053299.444	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Wet		
120844	22/07/2011	SteveCrowell	612018.1788	7053325.206	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	80	Wet		
120845	22/07/2011	SteveCrowell	612059.7384	7053363.473	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	60	Wet		
120846	22/07/2011	SteveCrowell	612088.1696	7053399.381	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	60	Wet		
120847	22/07/2011	SteveCrowell	612128.6622	7053431.255	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	70	Moist		
120848	22/07/2011	SteveCrowell	612171.7261	7053466.231	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	90	Moist		
120849	22/07/2011	SteveCrowell	612199.6789	7053494.541	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	60	Moist		
120850	22/07/2011	SteveCrowell	612241.3745	7053523.225	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Moist		
120851	22/07/2011	SteveCrowell	612280.2876	7053558.948	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	70	Moist		
120852	22/07/2011	SteveCrowell	612315.6713	7053590.532	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	70	Wet		
120853	22/07/2011	SteveCrowell	612353.9886	7053631.811	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	65	Moist		
120854	23/07/2011	SteveCrowell	612627.8176	7054335.361	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	B	60	Moist	Good	ForestBlackSpruce
120855	23/07/2011	SteveCrowell	612720.6866	7054393.414	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	40	Wet	Poor	ForestBlackSpruce
120856	23/07/2011	SteveCrowell	612763.4543	7054420.806	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	40	Wet	Good	ForestMixed
120857	23/07/2011	SteveCrowell	612800.8639	7054446.67	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	B	80	Wet	Poor	ForestMixed
120858	23/07/2011	SteveCrowell	612821.4045	7054493.121	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Moist	Poor	ForestMixed
120859	23/07/2011	SteveCrowell	612910.7984	7054542.582	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Moist	Good	ForestMixed
120860	23/07/2011	SteveCrowell	612958.0052	7054579.055	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	65	Frozen	Poor	ForestMixed
120861	23/07/2011	SteveCrowell	613005.6115	7054618.22	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	55	Frozen	Poor	ForestMixed
120862	23/07/2011	SteveCrowell	613030.5156	7054650.778	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	55	Frozen	Good	ForestMixed
120863	23/07/2011	SteveCrowell	613066.5793	7054683.623	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	45	Moist	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120864	23/07/2011	SteveCrowell	613119.1571	7054716.945	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	60	Dry	Excellent	ForestAspen
120865	23/07/2011	SteveCrowell	613129.9616	7054757.81	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestAspen
120866	23/07/2011	SteveCrowell	613176.8763	7054778.665	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	B	50	Dry	Good	ForestAspen
120867	23/07/2011	SteveCrowell	613219.2141	7054809.505	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	B	50	Dry	Good	ForestAspen
120868	23/07/2011	SteveCrowell	613255.5736	7054840.913	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	60	Moist	Good	ForestMixed
120869	23/07/2011	SteveCrowell	613291.4844	7054870.967	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Moist	Good	ForestMixed
120870	23/07/2011	SteveCrowell	613338.0678	7054902.406	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	70	Moist	Poor	ForestMixed
120871	23/07/2011	SteveCrowell	613385.4834	7054932.761	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	45	Frozen	Poor	ForestMixed
120872	23/07/2011	SteveCrowell	613415.9276	7054979.571	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	45	Frozen	Poor	ForestMixed
120873	23/07/2011	SteveCrowell	613441.5729	7055018.961	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	50	Frozen	Poor	ForestMixed
120874	23/07/2011	SteveCrowell	613484.5699	7055046.483	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	60	Moist	Poor	ForestMixed
120875	23/07/2011	SteveCrowell	613521.4386	7055073.228	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
120876	23/07/2011	SteveCrowell	613562.5258	7055094.438	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	ForestAspen
120877	23/07/2011	SteveCrowell	613604.7368	7055142.453	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	Flat	B	40	Dry	Excellent	ForestAspen
120878	23/07/2011	SteveCrowell	613645.6462	7055171.352	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	45	Dry	Excellent	ForestAspen
120879	23/07/2011	SteveCrowell	613681.0079	7055194.365	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestAspen
120880	23/07/2011	SteveCrowell	613713.3261	7055228.867	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	40	Dry	Excellent	ForestMixed
120881	23/07/2011	SteveCrowell	613752.3866	7055267.738	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNW	B	40	Dry	Good	ForestMixed
120882	23/07/2011	SteveCrowell	613794.3916	7055289.541	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	40	Dry	Good	ForestMixed
120883	23/07/2011	SteveCrowell	613835.2782	7055323.126	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	B	60	Moist	Good	ForestMixed
120884	23/07/2011	SteveCrowell	613910.5108	7055391.288	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	60	Wet	Poor	ForestMixed
120885	23/07/2011	SteveCrowell	613945.4816	7055419.532	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	50	Wet	Poor	ForestBlackSpruce
120886	23/07/2011	SteveCrowell	613978.1075	7055449.476	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	85	Wet	Poor	ForestBlackSpruce
121164	12/06/2011	DarcyHudson	618461.4399	7046711.55	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	35	Moist		
121166	12/06/2011	DarcyHudson	618508.4266	7046712.965	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	65	Dry		
121167	12/06/2011	DarcyHudson	618565.2891	7046709.843	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	60	Dry		
121168	12/06/2011	DarcyHudson	618606.5307	7046709.15	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateE	B	35	Moist		
121169	12/06/2011	DarcyHudson	618660.6179	7046707.041	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateE	B	45	Moist		
121170	12/06/2011	DarcyHudson	618707.5479	7046699.312	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateSE	B	45	Moist		
121171	12/06/2011	DarcyHudson	618759.983	7046694.801	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	55	Dry		
121172	12/06/2011	DarcyHudson	618813.8819	7046681.759	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateSE	C	65	Dry		
121173	12/06/2011	DarcyHudson	618853.7312	7046686.37	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	40	Moist		
121174	12/06/2011	DarcyHudson	618912.5426	7046679.088	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	30	Dry		
121175	12/06/2011	DarcyHudson	618956.5532	7046672.258	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	40	Dry		
121176	12/06/2011	DarcyHudson	619006.0683	7046669.984	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	B	50	Moist		
121177	12/06/2011	DarcyHudson	619053.4262	7046664.173	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Dry		
121178	12/06/2011	DarcyHudson	619109.7441	7046659.701	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	45	Dry		
121179	12/06/2011	DarcyHudson	619159.9361	7046652.659	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	45	Moist		
121180	12/06/2011	DarcyHudson	619204.8439	7046625.903	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	65	Dry		
121181	12/06/2011	DarcyHudson	619244.6623	7046595.5	UTMZ7N_WGS84	Soil	BrownLight	Clay	ModerateS	B	40	Moist		
121182	12/06/2011	DarcyHudson	619282.8428	7046572.954	UTMZ7N_WGS84	Soil	Orange	Gravel	ModerateS	B	45	Dry		
121183	12/06/2011	DarcyHudson	619326.2535	7046545.028	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateS	B	50	Dry		
121184	12/06/2011	DarcyHudson	619371.942	7046521.427	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateS	B	45	Moist		
121185	12/06/2011	DarcyHudson	619419.3934	7046493.319	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	45	Dry		
121186	12/06/2011	DarcyHudson	619455.3343	7046461.546	UTMZ7N_WGS84	Soil	Orange	Silt	Flat	C	70	Moist		
121187	12/06/2011	DarcyHudson	619495.63	7046441.09	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	55	Dry		
121188	12/06/2011	DarcyHudson	619545.0099	7046413.391	UTMZ7N_WGS84	Soil	Yellow	Clay	Flat	C	75	Moist		
121189	12/06/2011	DarcyHudson	619584.3219	7046379.404	UTMZ7N_WGS84	Soil	Tan	Sand	Flat	C	80	Dry		
121191	12/06/2011	DarcyHudson	619620.791	7046360.143	UTMZ7N_WGS84	Soil	RustyOrange	Silt	Flat	C	65	Dry		
121192	12/06/2011	DarcyHudson	619654.48	7046322.154	UTMZ7N_WGS84	Soil	BrownLight	Gravel	Flat	C	65	Moist		
121193	12/06/2011	DarcyHudson	619684.0295	7046277.764	UTMZ7N_WGS84	Soil	Orange	Sand	Flat	C	65	Dry		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121194	12/06/2011	DarcyHudson	619708.0453	7046241.53	UTMZ7N_WGS84	Soil	BrownLight	Clay	ModerateN	B	45	Moist		
121195	12/06/2011	DarcyHudson	619739.5961	7046190.301	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateN	B	40	Moist		
121196	12/06/2011	DarcyHudson	619760.8511	7046150.729	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateN	B	40	Moist		
121197	12/06/2011	DarcyHudson	619792.4101	7046112.549	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateN	B	50	Moist		
121198	12/06/2011	DarcyHudson	619816.9148	7046063.398	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateN	B	45	Wet		
121199	12/06/2011	DarcyHudson	619850.941	7046015.274	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateN	B	45	Moist		
121200	13/06/2011	DarcyHudson	614361.4834	7045202.473	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	65	Dry		
121201	13/06/2011	DarcyHudson	614403.0319	7045235.19	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateN	B	50	Moist		
121202	13/06/2011	DarcyHudson	614446.8394	7045259.068	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	35	Moist		
121203	13/06/2011	DarcyHudson	614486.6779	7045290.833	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateN	B	45	Dry		
121204	13/06/2011	DarcyHudson	614526.0366	7045320.686	UTMZ7N_WGS84	Soil	Tan	Silt	ModerateN	C	65	Dry		
121205	13/06/2011	DarcyHudson	614569.076	7045338.182	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	45	Dry		
121206	13/06/2011	DarcyHudson	614605.7119	7045368.941	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	55	Moist		
121207	13/06/2011	DarcyHudson	614644.143	7045400.992	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	55	Moist		
121208	13/06/2011	DarcyHudson	614682.4328	7045436.941	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	45	Dry		
121209	13/06/2011	DarcyHudson	614712.6057	7045474.271	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Dry		
121210	13/06/2011	DarcyHudson	614745.091	7045512.354	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	65	Dry		
121211	13/06/2011	DarcyHudson	614785.5913	7045544.927	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry		
121212	13/06/2011	DarcyHudson	614818.0463	7045579.664	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry		
121213	13/06/2011	DarcyHudson	614864.2075	7045618.13	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	45	Dry		
121214	13/06/2011	DarcyHudson	614891.3696	7045649.109	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	45	Moist		
121216	13/06/2011	DarcyHudson	614933.3817	7045687.984	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	40	Moist		
121217	13/06/2011	DarcyHudson	614963.1111	7045726.415	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Dry		
121218	13/06/2011	DarcyHudson	614997.4179	7045756.649	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	B	45	Dry		
121219	13/06/2011	DarcyHudson	615034.1388	7045786.19	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	B	40	Dry		
121220	13/06/2011	DarcyHudson	615074.164	7045830.348	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	B	40	Moist		
121221	13/06/2011	DarcyHudson	615106.4812	7045865.975	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	45	Dry		
121222	13/06/2011	DarcyHudson	615146.6224	7045891.738	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	35	Dry		
121223	13/06/2011	DarcyHudson	615192.7671	7045909.801	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	C	60	Moist		
121224	13/06/2011	DarcyHudson	615241.7816	7045926.966	UTMZ7N_WGS84	Soil	RustyOrange	Silt	Flat	C	45	Dry		
121225	13/06/2011	DarcyHudson	615285.2399	7045961.437	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	45	Moist		
121226	13/06/2011	DarcyHudson	615329.267	7045967.828	UTMZ7N_WGS84	Soil	BrownLight	Gravel	Flat	B	40	Dry		
121227	13/06/2011	DarcyHudson	615374.611	7045991.441	UTMZ7N_WGS84	Soil	BrownLight	Gravel	ModerateNE	C	50	Dry		
121228	13/06/2011	DarcyHudson	615419.6391	7046010.024	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	55	Moist		
121229	13/06/2011	DarcyHudson	615477.1573	7046023.263	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	40	Dry		
121230	13/06/2011	DarcyHudson	615531.0128	7046041.388	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	55	Dry		
121231	13/06/2011	DarcyHudson	615559.5162	7046063.946	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry		
121232	13/06/2011	DarcyHudson	615609.9447	7046087.301	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	C	65	Dry		
121233	13/06/2011	DarcyHudson	615667.0756	7046115.249	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	C	50	Dry		
121234	13/06/2011	DarcyHudson	615703.2539	7046122.475	UTMZ7N_WGS84	Soil	Brown	Sand	SteepNE	C	55	Dry		
121235	13/06/2011	DarcyHudson	615747.8905	7046138.038	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNE	C	50	Dry		
121236	13/06/2011	DarcyHudson	615899.8765	7046188.624	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	B	30	Dry		
121237	13/06/2011	DarcyHudson	615943.4967	7046204.711	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	B	35	Dry		
121238	13/06/2011	DarcyHudson	615992.6484	7046211.075	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	35	Moist		
121239	13/06/2011	DarcyHudson	616035.852	7046224.917	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	65	Dry		
121241	13/06/2011	DarcyHudson	616079.0916	7046243.222	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	25	Wet		
121242	13/06/2011	DarcyHudson	616137.0076	7046248.124	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	45	Moist		
121785	22/07/2011	DarcyHudson	611340.4177	7052112.633	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	B	55	Moist		
121786	22/07/2011	DarcyHudson	611379.5976	7052145.788	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	B	45	Moist		
121787	22/07/2011	DarcyHudson	611410.3263	7052191.806	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	B	45	Dry		
121788	22/07/2011	DarcyHudson	611469.7896	7052210.398	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	65	Moist		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121789	22/07/2011	DarcyHudson	611498.9583	7052252.681	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	80	Wet		
121791	22/07/2011	DarcyHudson	611528.2917	7052284.601	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	120	Wet		
121792	22/07/2011	DarcyHudson	611570.6742	7052300.029	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateS	B	110	Moist		
121793	22/07/2011	DarcyHudson	611617.701	7052333.129	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	65	Wet		
121794	22/07/2011	DarcyHudson	611651.1495	7052375.119	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	100	Moist		
121795	22/07/2011	DarcyHudson	611686.0233	7052397.757	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNE	C	80	Moist		
121796	22/07/2011	DarcyHudson	611731.5093	7052430.804	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepNE	C	80	Dry		
121797	22/07/2011	DarcyHudson	611766.722	7052469.178	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateNE	C	75	Wet		
121798	22/07/2011	DarcyHudson	611797.6425	7052496.807	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	B	50	Moist		
121799	22/07/2011	DarcyHudson	611835.8646	7052535.733	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	70	Dry		
121800	22/07/2011	DarcyHudson	611878.4183	7052570.129	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	85	Moist		
121801	22/07/2011	DarcyHudson	611906.7804	7052597	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	65	Moist		
121802	22/07/2011	DarcyHudson	611958.049	7052620.888	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	80	Moist		
121803	22/07/2011	DarcyHudson	611989.7999	7052665.721	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Moist		
121804	22/07/2011	DarcyHudson	612031.7015	7052688.945	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	65	Dry		
121805	22/07/2011	DarcyHudson	612073.6865	7052726.669	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	60	Moist		
121806	22/07/2011	DarcyHudson	612110.0702	7052751.372	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	B	70	Wet		
121807	22/07/2011	DarcyHudson	612150.0682	7052786.239	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Moist		
121808	22/07/2011	DarcyHudson	612182.2643	7052821.166	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	60	Moist		
121809	22/07/2011	DarcyHudson	612226.8138	7052852.292	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	65	Moist		
121810	22/07/2011	DarcyHudson	612257.9485	7052886.29	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Moist		
121812	22/07/2011	DarcyHudson	612335.8279	7052941.234	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateS	C	65	Frozen		
121813	22/07/2011	DarcyHudson	612378.2067	7052978.865	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Moist		
121814	22/07/2011	DarcyHudson	612415.9224	7053012.094	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	75	Moist		
121815	22/07/2011	DarcyHudson	612456.6984	7053041.64	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	70	Moist		
121816	22/07/2011	DarcyHudson	612497.0232	7053071.283	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	65	Frozen		
121817	22/07/2011	DarcyHudson	612531.7544	7053105.968	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepNW	C	50	Dry		
121818	22/07/2011	DarcyHudson	612561.4456	7053145.494	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNW	C	70	Dry		
121819	22/07/2011	DarcyHudson	612598.5296	7053174.019	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	B	60	Dry		
121820	22/07/2011	DarcyHudson	612628.3748	7053189.575	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Dry		
121821	22/07/2011	DarcyHudson	612689.7972	7053226.437	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNW	C	60	Dry		
121822	23/07/2011	DarcyHudson	612716.2327	7054253.306	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	C	80	Wet	Good	ForestMixed
121823	23/07/2011	DarcyHudson	612750.9599	7054293.236	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Drainage	C	85	Moist	Excellent	ForestBlackSpruce
121824	23/07/2011	DarcyHudson	612843.9492	7054352.077	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	75	Wet	Good	ForestBlackSpruce
121826	23/07/2011	DarcyHudson	612894.203	7054414.641	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepNW	B	60	Moist	Good	ForestBlackSpruce
121827	23/07/2011	DarcyHudson	612938.6946	7054449.345	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	C	80	Moist	Excellent	ForestMixed
121828	23/07/2011	DarcyHudson	612970.7888	7054478.032	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	SteepNW	B	70	Moist	Good	ForestMixed
121829	23/07/2011	DarcyHudson	613017.7858	7054514.834	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	65	Frozen	Good	ForestMixed
121830	23/07/2011	DarcyHudson	613065.7798	7054538.959	UTMZ7N_WGS84	Alluvium	BrownLight	Sand	SteepNW	B	55	Moist	Good	ForestAspen
121831	23/07/2011	DarcyHudson	613093.7141	7054581.216	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	45	Moist	Good	ForestAspen
121832	23/07/2011	DarcyHudson	613134.2653	7054599.613	UTMZ7N_WGS84	Soil	BrownLight	Clay	Flat	B	50	Moist	Poor	ForestAspen
121833	23/07/2011	DarcyHudson	613167.3747	7054641.497	UTMZ7N_WGS84	Colluvium	Tan	Sand	SteepNW	C	75	Moist	Excellent	ForestMixed
121834	23/07/2011	DarcyHudson	613202.2969	7054671.515	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	85	Moist	Excellent	ForestMixed
121835	23/07/2011	DarcyHudson	613244.3537	7054710.262	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	70	Moist	Excellent	ForestBlackSpruce
121836	23/07/2011	DarcyHudson	613281.6929	7054732.338	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	60	Moist	Good	ForestMixed
121837	23/07/2011	DarcyHudson	613325.1231	7054764.556	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	75	Moist	Good	ForestMixed
121838	23/07/2011	DarcyHudson	613362.5168	7054800.351	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	75	Moist	Excellent	ForestMixed
121839	23/07/2011	DarcyHudson	613407.7456	7054834.977	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	60	Moist	Good	ForestMixed
121841	23/07/2011	DarcyHudson	613449.9959	7054873.735	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepSW	C	60	Dry	Excellent	ForestAspen
121842	23/07/2011	DarcyHudson	613472.9944	7054901.099	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	75	Dry	Excellent	ForestAspen
121843	23/07/2011	DarcyHudson	613513.0973	7054929.075	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	65	Moist	Good	ForestAspen

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121844	23/07/2011	DarcyHudson	613564.4174	7054961.245	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	65	Dry	Excellent	ForestMixed
121845	23/07/2011	DarcyHudson	613588.5881	7054989.097	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	85	Moist	Good	ForestMixed
121846	23/07/2011	DarcyHudson	613660.4367	7055059.251	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	65	Dry	Excellent	ForestAspen
121847	23/07/2011	DarcyHudson	613708.9799	7055087.086	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Dry	Excellent	ForestMixed
121848	23/07/2011	DarcyHudson	613743.0072	7055126.557	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	65	Dry	Excellent	ForestMixed
121849	23/07/2011	DarcyHudson	613783.9891	7055147.877	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	75	Dry	Excellent	ForestMixed
121850	23/07/2011	DarcyHudson	613822.0064	7055181.247	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Dry	Good	ForestMixed
121851	23/07/2011	DarcyHudson	613870.7078	7055212.882	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	60	Dry	Good	ForestMixed
121852	23/07/2011	DarcyHudson	613902.0108	7055246.569	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	C	80	Moist	Good	ForestMixed
121853	23/07/2011	DarcyHudson	613929.8239	7055277.901	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	45	Moist	Good	ForestBlackSpruce
121854	23/07/2011	DarcyHudson	613968.2491	7055309.503	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	B	40	Dry	Poor	ForestMixed
121855	23/07/2011	DarcyHudson	614016.9291	7055347.162	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateNW	C	65	Dry	Good	ForestMixed
121856	23/07/2011	DarcyHudson	614055.5734	7055376.766	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	85	Moist	Poor	ForestMixed
123013	21/07/2011	RandyCampbell	610901.7239	7050792.04	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Moist	Good	ForestAspen
123014	21/07/2011	RandyCampbell	610959.2597	7050795.5	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	60	Moist	Good	ForestAspen
123015	21/07/2011	RandyCampbell	611011.8466	7050792.654	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	80	Moist	Good	ForestAspen
123016	21/07/2011	RandyCampbell	611054.2401	7050802.722	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	80	Dry	Good	ForestAspen
123017	21/07/2011	RandyCampbell	611102.8877	7050803.086	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	50	Dry	Good	ForestAspen
123018	21/07/2011	RandyCampbell	611149.268	7050807.162	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	60	Dry	Good	ForestAspen
123019	21/07/2011	RandyCampbell	611210.2458	7050803.164	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateSE	C	60	Dry	Good	ForestBirch
123020	21/07/2011	RandyCampbell	611253.7936	7050805.804	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Good	ForestMixed
123021	21/07/2011	RandyCampbell	611306.5053	7050805.086	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Good	ForestMixed
123022	21/07/2011	RandyCampbell	611352.6418	7050803.358	UTMZ7N_WGS84	Frostboil	Brown	Silt	ModerateSE	C	80	Moist	Good	ForestMixed
123023	21/07/2011	RandyCampbell	611410.8288	7050803.838	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Dry	Good	ForestMixed
123024	21/07/2011	RandyCampbell	611455.3432	7050805.846	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Dry	Good	ForestMixed
123025	21/07/2011	RandyCampbell	611501.1837	7050792.736	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	50	Dry	Good	ForestMixed
123026	21/07/2011	RandyCampbell	611562.0195	7050799.89	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	40	Moist	Good	ForestMixed
123027	21/07/2011	RandyCampbell	611606.1356	7050803.336	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
123028	21/07/2011	RandyCampbell	611660.7629	7050804.699	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Moist	Good	ForestMixed
123029	21/07/2011	RandyCampbell	611702.3209	7050807.387	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Moist	Good	ForestMixed
123030	21/07/2011	RandyCampbell	611756.6189	7050801.157	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Moist	Good	ForestMixed
123031	21/07/2011	RandyCampbell	611742.8294	7050715.588	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Moist	Good	ForestMixed
123032	21/07/2011	RandyCampbell	611717.2047	7050702.197	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Good	ForestMixed
123033	21/07/2011	RandyCampbell	611618.6203	7050699.846	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Poor	ForestMixed
123034	21/07/2011	RandyCampbell	611562.9653	7050692.315	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Dry	Poor	ForestMixed
123035	21/07/2011	RandyCampbell	611514.7347	7050702.664	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Dry	Poor	ForestMixed
123036	21/07/2011	RandyCampbell	611454.6819	7050692.973	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Dry	Good	ForestMixed
123037	21/07/2011	RandyCampbell	611419.255	7050705.334	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateE	B	70	Moist	Good	ForestMixed
123038	21/07/2011	RandyCampbell	611365.8489	7050693.202	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	70	Moist	Good	ForestAspen
123039	21/07/2011	RandyCampbell	611311.5869	7050691.3	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Dry	Good	ForestAspen
123041	21/07/2011	RandyCampbell	611264.5115	7050705.596	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Dry	Good	ForestAspen
123042	21/07/2011	RandyCampbell	611214.5502	7050687.343	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Moist	Good	ForestAspen
123043	21/07/2011	RandyCampbell	611169.073	7050694.337	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	60	Moist	Good	ForestAspen
123044	21/07/2011	RandyCampbell	611117.1168	7050698.986	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	50	Dry	Good	ForestAspen
123045	21/07/2011	RandyCampbell	611059.9386	7050689.515	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Dry	Good	ForestAspen
123046	21/07/2011	RandyCampbell	611010.0814	7050696.693	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	50	Moist	Good	ForestAspen
123047	21/07/2011	RandyCampbell	610965.9074	7050709.088	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Moist	Good	ForestAspen
123048	21/07/2011	RandyCampbell	610925.9274	7050696.763	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	60	Moist	Good	ForestAspen
123049	22/07/2011	RandyCampbell	610891.7078	7052650.577	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Moist	Good	ForestMixed
123050	22/07/2011	RandyCampbell	610924.8089	7052684.184	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW		60	Moist	Good	ForestMixed
123051	22/07/2011	RandyCampbell	610964.2849	7052720.133	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Moist	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
123052	22/07/2011	RandyCampbell	611006.5163	7052749.71	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Dry	Good	ForestMixed
123053	22/07/2011	RandyCampbell	611039.6214	7052774.621	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	B	50	Dry	Good	ForestMixed
123054	22/07/2011	RandyCampbell	611077.3374	7052808.279	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Moist	Good	ForestMixed
123055	22/07/2011	RandyCampbell	611125.2619	7052841.18	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Moist	Good	ForestMixed
123056	22/07/2011	RandyCampbell	611159.8841	7052880.864	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Moist	Good	ForestAspen
123057	22/07/2011	RandyCampbell	611196.5335	7052903.781	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Good	ForestAspen
123058	22/07/2011	RandyCampbell	611232.3962	7052936.373	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	B	40	Dry	Poor	ForestAspen
123059	22/07/2011	RandyCampbell	611270.4192	7052972.498	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNW	C	70	Dry	Excellent	ForestAspen
123060	22/07/2011	RandyCampbell	611308.5885	7053005.841	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNW	C	60	Dry	Excellent	ForestAspen
123061	22/07/2011	RandyCampbell	611348.9822	7053029.56	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	50	Dry	Excellent	ForestAspen
123062	22/07/2011	RandyCampbell	611388.158	7053066.73	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	50	Moist	Good	ForestAspen
123063	22/07/2011	RandyCampbell	611431.5521	7053101.15	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	C	60	Moist	Excellent	ForestAspen
123064	22/07/2011	RandyCampbell	611461.1151	7053127.725	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	C	60	Dry	Good	ForestAspen
123065	22/07/2011	RandyCampbell	611507.6654	7053168.39	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	C	60	Dry	Good	ForestAspen
123066	22/07/2011	RandyCampbell	611539.2662	7053193.476	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Moist	Good	ForestAspen
123067	22/07/2011	RandyCampbell	611574.7957	7053228.29	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateN	B	40	Moist	Good	ForestAspen
123068	22/07/2011	RandyCampbell	611619.5941	7053257.967	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Moist	Good	ForestMixed
123069	22/07/2011	RandyCampbell	611652.9003	7053289.582	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	60	Moist	Good	ForestMixed
123070	22/07/2011	RandyCampbell	611695.9163	7053326.111	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Moist	Good	ForestMixed
123071	22/07/2011	RandyCampbell	611737.7842	7053357.136	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Moist	Good	ForestMixed
123072	22/07/2011	RandyCampbell	611772.3883	7053389.913	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateN	B	60	Moist	Good	ForestMixed
123073	22/07/2011	RandyCampbell	611812.0617	7053419.747	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Moist	Good	ForestMixed
123074	22/07/2011	RandyCampbell	611850.6442	7053452.33	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	60	Moist	Good	ForestMixed
123075	22/07/2011	RandyCampbell	611884.75	7053485.091	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Moist	Good	ForestAspen
123076	22/07/2011	RandyCampbell	611926.0424	7053515.429	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist	Good	ForestAspen
123077	22/07/2011	RandyCampbell	611966.0355	7053543.158	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Moist	Poor	ForestBlackSpruce
123078	22/07/2011	RandyCampbell	612003.9822	7053582.412	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	80	Frozen	Poor	ForestBlackSpruce
123079	22/07/2011	RandyCampbell	612030.6497	7053610.562	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Moist	Poor	ForestBlackSpruce
123080	22/07/2011	RandyCampbell	612080.6071	7053648.569	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Moist	Poor	ForestBlackSpruce
123081	22/07/2011	RandyCampbell	612111.5317	7053672.856	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Moist	Poor	ForestBlackSpruce
123082	22/07/2011	RandyCampbell	612147.1249	7053715.374	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Moist	Poor	ForestBlackSpruce
123083	22/07/2011	RandyCampbell	612198.4761	7053746.184	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Moist	Poor	ForestBlackSpruce
123084	22/07/2011	RandyCampbell	612221.4443	7053773.536	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Moist	Poor	ForestBlackSpruce
123085	23/07/2011	RandyCampbell	612448.2121	7054562.721	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	90	Moist	Good	ForestMixed
123086	23/07/2011	RandyCampbell	612489.0866	7054597.29	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	80	Moist	Poor	ForestMixed
123087	23/07/2011	RandyCampbell	612518.7818	7054630.683	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	100	Moist	Poor	ForestMixed
123088	23/07/2011	RandyCampbell	612564.434	7054662.077	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	ModerateE	C	60	Dry	Good	ForestMixed
123089	23/07/2011	RandyCampbell	612600.9077	7054684.895	UTMZ7N_WGS84	Alluvium	Brown	Sand	Flat	C	60	Dry	Good	ForestMixed
123091	23/07/2011	RandyCampbell	612642.56	7054717.04	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	70	Moist	Poor	ForestBlackSpruce
123092	23/07/2011	RandyCampbell	612693.6912	7054745.063	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Moist	Poor	ForestMixed
123093	23/07/2011	RandyCampbell	612721.4271	7054772.032	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	80	Moist	Poor	ForestMixed
123094	23/07/2011	RandyCampbell	612762.2446	7054813.628	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	80	Moist	Good	ForestMixed
123095	23/07/2011	RandyCampbell	612805.3114	7054840.808	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	60	Moist	Poor	ForestMixed
123096	23/07/2011	RandyCampbell	612834.436	7054880.317	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	80	Moist	Poor	ForestBlackSpruce
123097	23/07/2011	RandyCampbell	612869.5786	7054911.119	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Moist	Good	ForestMixed
123098	23/07/2011	RandyCampbell	612911.4037	7054946.621	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	80	Moist	Poor	ForestBlackSpruce
123099	23/07/2011	RandyCampbell	612952.9444	7054974.752	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	70	Moist	Poor	ForestBlackSpruce
123100	23/07/2011	RandyCampbell	612986.8829	7055008.635	UTMZ7N_WGS84	Frostboil	Brown	Clay	Flat	B	80	Moist	Poor	ForestBlackSpruce
123101	23/07/2011	RandyCampbell	613017.1263	7055041.718	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	80	Moist	Poor	ForestBlackSpruce
123102	23/07/2011	RandyCampbell	613062.4839	7055076.901	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	70	Moist	Poor	ForestBlackSpruce
123103	23/07/2011	RandyCampbell	613107.4086	7055104.709	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Dry	Poor	ForestAspen

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
123104	23/07/2011	RandyCampbell	613139.4644	7055135.628	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	80	Dry	Good	ForestAspen
123105	23/07/2011	RandyCampbell	613175.9794	7055165.367	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Good	ForestAspen
123106	23/07/2011	RandyCampbell	613230.7267	7055203.007	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Moist	Poor	ForestBlackSpruce
123107	23/07/2011	RandyCampbell	613261.3102	7055222.277	UTMZ7N_WGS84	Alluvium	Black	Silt	DrainageSeasonal	B	60	Moist	Good	ForestMixed
123108	23/07/2011	RandyCampbell	613305.7275	7055265.571	UTMZ7N_WGS84	Colluvium	Black	Silt	DrainageSeasonal	B	40	Frozen	Poor	ForestBlackSpruce
123109	23/07/2011	RandyCampbell	613371.5915	7055318.442	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	B	80	Moist	Good	ForestMixed
123110	23/07/2011	RandyCampbell	613403.9186	7055358.294	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	C	60	Moist	Good	ForestMixed
123111	23/07/2011	RandyCampbell	613454.3561	7055389.985	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	80	Moist	Good	ForestMixed
123112	23/07/2011	RandyCampbell	613478.2342	7055420.391	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	B	80	Moist	Good	ForestMixed
123113	23/07/2011	RandyCampbell	613524.1624	7055454.598	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	B	60	Moist	Good	ForestMixed
123114	23/07/2011	RandyCampbell	613560.1003	7055487.779	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	B	80	Moist	Good	ForestMixed
123115	23/07/2011	RandyCampbell	613599.7702	7055516.522	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	80	Moist	Good	ForestMixed
123116	23/07/2011	RandyCampbell	613640.0833	7055554.99	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Moist	Poor	ForestMixed
123117	23/07/2011	RandyCampbell	613686.9671	7055583.212	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Moist	Good	ForestMixed
123118	23/07/2011	RandyCampbell	613716.7602	7055620.189	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Moist	Poor	ForestMixed
123119	23/07/2011	RandyCampbell	613752.5975	7055658.832	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Moist	Poor	ForestMixed
123120	23/07/2011	RandyCampbell	613785.567	7055697.151	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	60	Dry	Poor	ForestMixed
124047	21/07/2011	MarkHiggins	610906.3005	7051213.153	UTMZ7N_WGS84	Colluvium	Orange	Silt	SteepE	C	50	Dry	Excellent	ForestAspen
124048	21/07/2011	MarkHiggins	610958.9933	7051201.39	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepE	C	50	Dry	Excellent	ForestMixed
124049	21/07/2011	MarkHiggins	611007.7087	7051205.323	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateE	C	40	Dry	Excellent	ForestAspen
124050	21/07/2011	MarkHiggins	611058.574	7051203.199	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestAspen
124051	21/07/2011	MarkHiggins	611105.9802	7051206.195	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	ForestAspen
124052	21/07/2011	MarkHiggins	611167.0988	7051192.277	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestAspen
124053	21/07/2011	MarkHiggins	611206.6349	7051201.467	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	60	Dry	Excellent	ForestAspen
124054	21/07/2011	MarkHiggins	611259.1933	7051207.769	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Dry	Excellent	ForestAspen
124055	21/07/2011	MarkHiggins	611310.9084	7051208.354	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestAspen
124056	21/07/2011	MarkHiggins	611360.9197	7051205.09	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestAspen
124057	21/07/2011	MarkHiggins	611414.0633	7051200.375	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Dry	Excellent	ForestAspen
124058	21/07/2011	MarkHiggins	611462.0639	7051204.848	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	70	Moist	Good	ForestMixed
124059	21/07/2011	MarkHiggins	611503.306	7051209.306	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	50	Moist	Excellent	ForestAspen
124060	21/07/2011	MarkHiggins	611561.3603	7051209.115	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	60	Moist	Excellent	ForestMixed
124061	21/07/2011	MarkHiggins	611604.7955	7051216.217	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	60	Dry	Excellent	ForestMixed
124062	21/07/2011	MarkHiggins	611668.5016	7051206.525	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestAspen
124063	21/07/2011	MarkHiggins	611714.5726	7051203.685	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
124064	21/07/2011	MarkHiggins	611753.6671	7051201.381	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestAspen
124065	21/07/2011	MarkHiggins	611753.864	7051094.113	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124066	21/07/2011	MarkHiggins	611709.837	7051098.14	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
124067	21/07/2011	MarkHiggins	611655.1938	7051094.545	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124068	21/07/2011	MarkHiggins	611611.2673	7051092.89	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124069	21/07/2011	MarkHiggins	611560.2464	7051090.874	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
124070	21/07/2011	MarkHiggins	611516.4318	7051101.601	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
124071	21/07/2011	MarkHiggins	611464.1486	7051093.074	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124072	21/07/2011	MarkHiggins	611415.2502	7051101.394	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124073	21/07/2011	MarkHiggins	611356.6318	7051107.702	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124074	21/07/2011	MarkHiggins	611302.4147	7051106.135	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
124075	21/07/2011	MarkHiggins	611264.6443	7051108.938	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124076	21/07/2011	MarkHiggins	611211.4194	7051103.17	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124077	21/07/2011	MarkHiggins	611161.4995	7051099.526	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124078	21/07/2011	MarkHiggins	611052.494	7051094.263	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124079	21/07/2011	MarkHiggins	611009.5749	7051105.028	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateE	C	50	Dry	Excellent	ForestAspen
124080	21/07/2011	MarkHiggins	610959.3232	7051106.617	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
124081	21/07/2011	MarkHiggins	610907.4439	7051097.891	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Dry	Excellent	ForestMixed
124082	22/07/2011	MarkHiggins	610704.2332	7052885.564	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
124083	22/07/2011	MarkHiggins	610732.0444	7052912.74	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
124084	22/07/2011	MarkHiggins	610772.5156	7052948.609	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
124085	22/07/2011	MarkHiggins	610813.0198	7052973.552	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
124086	22/07/2011	MarkHiggins	610850.7093	7053006.538	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
124087	22/07/2011	MarkHiggins	610892.8141	7053038.229	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
124088	22/07/2011	MarkHiggins	610924.7552	7053070.791	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNE	C	65	Dry	Excellent	ForestMixed
124089	22/07/2011	MarkHiggins	610963.5482	7053104.821	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
124090	22/07/2011	MarkHiggins	611010.004	7053142.687	UTMZ7N_WGS84	Colluvium	Red	Sand	ModerateNE	C	60	Dry	Excellent	ForestMixed
124091	22/07/2011	MarkHiggins	611045.6113	7053168.354	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	60	Dry	Excellent	ForestMixed
124092	22/07/2011	MarkHiggins	611083.3378	7053201.567	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	48	Dry	Excellent	ForestMixed
124093	22/07/2011	MarkHiggins	611124.2087	7053238.57	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
124094	22/07/2011	MarkHiggins	611168.6722	7053252.394	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	90	Dry	Excellent	ForestMixed
124095	22/07/2011	MarkHiggins	611195.1459	7053301.941	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	35	Dry	Excellent	ForestMixed
124096	22/07/2011	MarkHiggins	611233.5777	7053331.947	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Excellent	ForestAspen
124097	22/07/2011	MarkHiggins	611279.0681	7053361.754	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
124098	22/07/2011	MarkHiggins	611315.9754	7053396.949	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	55	Dry	Excellent	ForestMixed
124099	22/07/2011	MarkHiggins	611343.92	7053417.221	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
124100	22/07/2011	MarkHiggins	611380.9135	7053452.754	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
124101	22/07/2011	MarkHiggins	611428.4086	7053490.44	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
124102	22/07/2011	MarkHiggins	611465.9535	7053521.533	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
124103	22/07/2011	MarkHiggins	611502.6963	7053548.583	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
124104	22/07/2011	MarkHiggins	611544.9414	7053582.964	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestAspen
124105	22/07/2011	MarkHiggins	611577.8687	7053616.795	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
124106	22/07/2011	MarkHiggins	611627.6604	7053645.533	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
124107	22/07/2011	MarkHiggins	611659.59	7053687.916	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
124108	22/07/2011	MarkHiggins	611690.6965	7053728.264	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	80	Dry	Excellent	ForestMixed
124109	22/07/2011	MarkHiggins	611732.8856	7053752.833	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
124110	22/07/2011	MarkHiggins	611777.7933	7053786.196	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	65	Dry	Excellent	ForestMixed
124111	22/07/2011	MarkHiggins	611816.3311	7053817.105	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
124112	22/07/2011	MarkHiggins	611847.4459	7053845.857	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
124113	22/07/2011	MarkHiggins	611885.5261	7053871.399	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	60	Dry	Excellent	ForestBlackSpruce
124114	22/07/2011	MarkHiggins	611919.5712	7053909.957	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	40	Frozen	Good	ForestMixed
124115	22/07/2011	MarkHiggins	611959.3913	7053933.999	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
124116	22/07/2011	MarkHiggins	612008.3529	7053967.732	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124117	22/07/2011	MarkHiggins	612032.953	7054006.515	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	80	Moist	Excellent	ForestMixed
124118	23/07/2011	MarkHiggins	612503.3329	7054482.602	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	70	Moist	Good	ForestMixed
124119	23/07/2011	MarkHiggins	612555.906	7054517.699	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
124120	23/07/2011	MarkHiggins	612596.995	7054542.018	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	70	Moist	Excellent	ForestMixed
124121	23/07/2011	MarkHiggins	612638.2451	7054577.16	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	60	Moist	Good	ForestMixed
124122	23/07/2011	MarkHiggins	612680.6328	7054613.793	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
124123	23/07/2011	MarkHiggins	612704.1768	7054635.817	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	55	Dry	Excellent	ForestMixed
124124	23/07/2011	MarkHiggins	612745.2745	7054683.557	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	65	Dry	Excellent	ForestMixed
124125	23/07/2011	MarkHiggins	612778.8535	7054716.532	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	60	Moist	Excellent	ForestMixed
124126	23/07/2011	MarkHiggins	612832.6569	7054739.188	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	65	Moist	Good	ForestMixed
124127	23/07/2011	MarkHiggins	612860.027	7054776.404	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	80	Moist	Good	ForestMixed
124128	23/07/2011	MarkHiggins	612911.09	7054804.874	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	70	Moist	Good	ForestMixed
124129	23/07/2011	MarkHiggins	612945.3006	7054842.335	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
124130	23/07/2011	MarkHiggins	612979.3301	7054872.318	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	70	Moist	Good	ForestMixed
124131	23/07/2011	MarkHiggins	613031.5547	7054900.162	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	70	Dry	Excellent	DrainageBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
124132	23/07/2011	MarkHiggins	613058.4994	7054917.181	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	50	Frozen	Good	ForestMixed
124133	23/07/2011	MarkHiggins	613090.2971	7054962.364	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Dry	Excellent	ForestMixed
124134	23/07/2011	MarkHiggins	613130.1169	7054987.202	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Frozen	Excellent	ForestPine
124136	23/07/2011	MarkHiggins	613211.429	7055052.553	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	70	Frozen	Excellent	ForestMixed
124137	23/07/2011	MarkHiggins	613278.5474	7055114.946	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
124138	23/07/2011	MarkHiggins	613323.9163	7055155.263	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	60	Dry	Excellent	ForestMixed
124139	23/07/2011	MarkHiggins	613357.5904	7055181.112	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Frozen	Good	DrainageBrush
124141	23/07/2011	MarkHiggins	613409.6486	7055217.543	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Frozen	Good	DrainageBrush
124142	23/07/2011	MarkHiggins	613445.9854	7055249.399	UTMZ7N_WGS84	Colluvium	Brown		Flat	B	70	Frozen	Good	DrainageBrush
124143	23/07/2011	MarkHiggins	613476.4341	7055280.709	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	70	Dry	Excellent	ForestMixed
124144	23/07/2011	MarkHiggins	613525.5252	7055315.364	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
124145	23/07/2011	MarkHiggins	613564.8631	7055350.674	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
124146	23/07/2011	MarkHiggins	613588.173	7055383.068	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	70	Frozen	Excellent	ForestMixed
124147	23/07/2011	MarkHiggins	613619.4172	7055418.423	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
124148	23/07/2011	MarkHiggins	613673.5147	7055439.32	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
124149	23/07/2011	MarkHiggins	613713.4786	7055472.312	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	90	Dry	Excellent	ForestMixed
124150	23/07/2011	MarkHiggins	613753.025	7055505.848	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	60	Dry	Excellent	
124151	23/07/2011	MarkHiggins	613788.063	7055541.898	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	B	60	Dry	Excellent	ForestMixed
124152	23/07/2011	MarkHiggins	613818.9749	7055568.434	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	60	Moist	Excellent	ForestMixed
124153	23/07/2011	MarkHiggins	613838.3181	7055603.364	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	70	Dry	Excellent	ForestMixed
129047	22/07/2011	JoeyTaylor	610950.2118	7052568.543	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129048	22/07/2011	JoeyTaylor	610991.9005	7052602.339	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestMixed
129049	22/07/2011	JoeyTaylor	611020.8332	7052641.488	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129050	22/07/2011	JoeyTaylor	611071.9397	7052664.463	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129051	22/07/2011	JoeyTaylor	611108.6444	7052694.407	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Excellent	ForestMixed
129052	22/07/2011	JoeyTaylor	611128.1008	7052730.325	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129053	22/07/2011	JoeyTaylor	611180.1785	7052768.056	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129054	22/07/2011	JoeyTaylor	611225.4403	7052798.97	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Dry	Good	ForestMixed
129055	22/07/2011	JoeyTaylor	611260.3993	7052831.865	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestMixed
129056	22/07/2011	JoeyTaylor	611301.3296	7052855.937	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	ForestMixed
129057	22/07/2011	JoeyTaylor	611339.0176	7052895.954	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	ForestMixed
129058	22/07/2011	JoeyTaylor	611376.3343	7052922.465	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestMixed
129059	22/07/2011	JoeyTaylor	611419.9862	7052952.433	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestMixed
129060	22/07/2011	JoeyTaylor	611452.6464	7052987.034	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129061	22/07/2011	JoeyTaylor	611488.2145	7053020.845	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Dry	Excellent	ForestMixed
129062	22/07/2011	JoeyTaylor	611537.5075	7053042.872	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Dry	Excellent	ForestMixed
129063	22/07/2011	JoeyTaylor	611566.3079	7053085.479	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	50	Dry	Excellent	ForestMixed
129064	22/07/2011	JoeyTaylor	611604.2431	7053119.709	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	60	Dry	Excellent	ForestMixed
129065	22/07/2011	JoeyTaylor	611642.1512	7053157.507	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40	Moist	Good	ForestMixed
129066	22/07/2011	JoeyTaylor	611687.0259	7053183.619	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	ForestMixed
129067	22/07/2011	JoeyTaylor	611720.3667	7053207.207	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	70	Dry	Excellent	ForestMixed
129068	22/07/2011	JoeyTaylor	611769.4692	7053240.16	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	60	Dry	Excellent	ForestMixed
129069	22/07/2011	JoeyTaylor	611794.8644	7053259.454	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129070	22/07/2011	JoeyTaylor	611847.3151	7053304.458	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129071	22/07/2011	JoeyTaylor	611878.3813	7053348.821	UTMZ7N_WGS84	Colluvium	Grey	Gravel		C	70	Moist	Good	ForestMixed
129072	22/07/2011	JoeyTaylor	611906.8662	7053379.042	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129073	22/07/2011	JoeyTaylor	611962.5883	7053404.425	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	ForestMixed
129074	22/07/2011	JoeyTaylor	611999.9646	7053428.939	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Wet	Good	ForestMixed
129075	22/07/2011	JoeyTaylor	612024.2485	7053475.406	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Frozen	Good	ForestBlackSpruce
129076	22/07/2011	JoeyTaylor	612061.2456	7053503.587	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Frozen	Good	ForestBlackSpruce
129077	22/07/2011	JoeyTaylor	612101.7598	7053532.004	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Frozen	Poor	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
129078	22/07/2011	JoeyTaylor	612142.7645	7053557.764	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60	Frozen	Poor	ForestBlackSpruce
129079	22/07/2011	JoeyTaylor	612191.8091	7053596.297	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	60	Frozen	Poor	ForestBlackSpruce
129080	22/07/2011	JoeyTaylor	612223.4647	7053625.184	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	60	Frozen	Poor	ForestBlackSpruce
129081	22/07/2011	JoeyTaylor	612257.1995	7053657.043	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	60	Frozen	Poor	ForestBlackSpruce
129082	22/07/2011	JoeyTaylor	612305.6734	7053684.965	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Frozen	Poor	ForestBlackSpruce
129083	23/07/2011	JoeyTaylor	612406.9537	7054644.001	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Moist	Excellent	ForestMixed
129084	23/07/2011	JoeyTaylor	612428.1694	7054668.729	UTMZ7N_WGS84	Colluvium	Brown	Silt		C		Dry	Excellent	ForestMixed
129085	23/07/2011	JoeyTaylor	612465.9293	7054707.091	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129086	23/07/2011	JoeyTaylor	612494.3403	7054738.876	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Frozen	Good	ForestMixed
129087	23/07/2011	JoeyTaylor	612545.8522	7054758.993	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Dry	Excellent	ForestMixed
129088	23/07/2011	JoeyTaylor	612582.159	7054789.275	UTMZ7N_WGS84	Alluvium	Brown	Silt		B	60	Dry	Good	ForestMixed
129089	23/07/2011	JoeyTaylor	612610.0038	7054829.963	UTMZ7N_WGS84	Alluvium	Brown	Sand		C	50	Dry	Good	ForestMixed
129091	23/07/2011	JoeyTaylor	612658.1281	7054848.957	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Frozen	Good	ForestMixed
129092	23/07/2011	JoeyTaylor	612704.3927	7054883.944	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Frozen	Poor	ForestMixed
129093	23/07/2011	JoeyTaylor	612742.2735	7054921.533	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Frozen	Poor	ForestMixed
129094	23/07/2011	JoeyTaylor	612770.6107	7054959.452	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	50	Dry	Good	ForestMixed
129095	23/07/2011	JoeyTaylor	612811.7637	7054987.345	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	50	Moist	Poor	ForestMixed
129096	23/07/2011	JoeyTaylor	612834.7965	7055023.626	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	ForestMixed
129097	23/07/2011	JoeyTaylor	612889.792	7055051.678	UTMZ7N_WGS84	Colluvium	Brown	Clay		B	60	Dry	Good	ForestMixed
129098	23/07/2011	JoeyTaylor	612930.3339	7055081.335	UTMZ7N_WGS84	Alluvium	BrownLight	Sand		C	60	Dry	Excellent	ForestMixed
129099	23/07/2011	JoeyTaylor	612967.4959	7055113.883	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	ForestMixed
129100	23/07/2011	JoeyTaylor	613004.596	7055138.401	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	ForestMixed
129101	23/07/2011	JoeyTaylor	613048.0126	7055177.864	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	ForestMixed
129102	23/07/2011	JoeyTaylor	613078.4918	7055207.052	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	ForestMixed
129103	23/07/2011	JoeyTaylor	613123.0352	7055241.315	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	ForestMixed
129104	23/07/2011	JoeyTaylor	613156.4756	7055270.945	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Dry	Excellent	ForestMixed
129105	23/07/2011	JoeyTaylor	613183.444	7055310.827	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Dry	Excellent	ForestMixed
129106	23/07/2011	JoeyTaylor	613229.3019	7055341.57	UTMZ7N_WGS84	Colluvium	Tan	Clay		B	50	Dry	Good	ForestMixed
129107	23/07/2011	JoeyTaylor	613259.5893	7055371.869	UTMZ7N_WGS84	Colluvium	BrownLight	Clay		B	60	Dry	Poor	ForestMixed
129108	23/07/2011	JoeyTaylor	613302.3797	7055389.79	UTMZ7N_WGS84	Colluvium	Tan	Clay		B	60	Dry	Good	ForestMixed
129109	23/07/2011	JoeyTaylor	613328.8185	7055452.738	UTMZ7N_WGS84	Colluvium	Tan	Clay		B	60	Dry	Good	ForestMixed
129110	23/07/2011	JoeyTaylor	613381.8004	7055463.219	UTMZ7N_WGS84	Colluvium	Tan	Clay		B	60	Dry	Good	ForestMixed
129111	23/07/2011	JoeyTaylor	613420.0615	7055496.705	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	50	Frozen	Poor	ForestBlackSpruce
129112	23/07/2011	JoeyTaylor	613462.065	7055521.291	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	60	Dry	Poor	ForestMixed
129113	23/07/2011	JoeyTaylor	613509.3177	7055568.37	UTMZ7N_WGS84	Colluvium	BrownLight	Clay		B	60	Dry	Good	ForestMixed
129114	23/07/2011	JoeyTaylor	613528.0552	7055605.061	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	60	Dry	Good	ForestMixed
129115	23/07/2011	JoeyTaylor	613565.987	7055642.105	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	60	Dry	Good	ForestMixed
129116	23/07/2011	JoeyTaylor	613606.9332	7055672.566	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	60	Dry	Good	ForestMixed
129117	23/07/2011	JoeyTaylor	613651.3039	7055690.549	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	70	Wet	Good	ForestMixed
129118	23/07/2011	JoeyTaylor	613685.4195	7055716.306	UTMZ7N_WGS84	Colluvium	Grey	Clay		B	50	Frozen	Poor	ForestMixed
129119	23/07/2011	JoeyTaylor				Colluvium	Grey	Clay		B	40	Frozen	Poor	ForestMixed
145001	21/07/2011	TomStridsland	610904.4109	7051307.091	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	20	Dry	Good	
145002	21/07/2011	TomStridsland	610959.695	7051306.458	UTMZ7N_WGS84	Colluvium		Silt		B	30	Moist		
145003	21/07/2011	TomStridsland	611019.8374	7051320.38	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	30			
145004	21/07/2011	TomStridsland	611058.3264	7051306.895	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50			
145005	21/07/2011	TomStridsland	611120.0557	7051301.026	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	60			
145006	21/07/2011	TomStridsland	611171.2887	7051295.46	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50			
145007	21/07/2011	TomStridsland	611218.2694	7051309.148	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Moist		
145008	21/07/2011	TomStridsland	611261.9631	7051321.607	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	60	Moist		
145009	21/07/2011	TomStridsland	611307.9516	7051313.964	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145010	21/07/2011	TomStridsland	611359.1359	7051302.712	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
145011	21/07/2011	TomStridsland	611398.5371	7051301.529	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145012	21/07/2011	TomStridsland	611469.7434	7051306.035	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60			
145013	21/07/2011	TomStridsland	611500.4313	7051309.566	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	60			
145014	21/07/2011	TomStridsland	611554.8078	7051303.67	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	30			
145015	21/07/2011	TomStridsland	611609.1797	7051307.811	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	30			
145016	21/07/2011	TomStridsland	611656.562	7051310.035	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	30			
145017	21/07/2011	TomStridsland	611698.6554	7051300.141	UTMZ7N_WGS84	Colluvium	BrownLight			B	30	Dry		
145018	21/07/2011	TomStridsland	611753.9258	7051311.23	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50			
145019	21/07/2011	TomStridsland	611760.1144	7051407.906	UTMZ7N_WGS84	Colluvium	Grey	Silt		C	40			
145020	21/07/2011	TomStridsland	611655.9051	7051392.307	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60			
145021	21/07/2011	TomStridsland	611559.7058	7051407.548	UTMZ7N_WGS84	Colluvium	Brown	Sand		C				
145022	21/07/2011	TomStridsland	611460.641	7051412.432	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	40			
145023	21/07/2011	TomStridsland	611353.6548	7051416.484	UTMZ7N_WGS84	Colluvium	BrownLight	Silt			40			
145024	21/07/2011	TomStridsland	611258.3714	7051415.597	UTMZ7N_WGS84	Colluvium	BrownLight	Sand			40			
145025	21/07/2011	TomStridsland	611161.7518	7051414.555	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145026	21/07/2011	TomStridsland	611063.7592	7051411.571	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145027	21/07/2011	TomStridsland	610961.6897	7051395.848	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	50			
145028	22/07/2011	TomStridsland	611150.4855	7052339.37	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40			
145029	22/07/2011	TomStridsland	611189.4152	7052383.888	UTMZ7N_WGS84	Colluvium	Tan	Silt		C	90			
145030	22/07/2011	TomStridsland	611236.0281	7052407.601	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60			
145031	22/07/2011	TomStridsland	611272.1275	7052452.021	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145032	22/07/2011	TomStridsland	611312.7339	7052476.974	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145033	22/07/2011	TomStridsland	611339.1543	7052514.031	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145034	22/07/2011	TomStridsland	611370.8594	7052533.543	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145035	22/07/2011	TomStridsland	611404.9056	7052578.339	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145036	22/07/2011	TomStridsland	611453.56	7052601.792	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145037	22/07/2011	TomStridsland	611486.896	7052631.398	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145038	22/07/2011	TomStridsland	611534.9057	7052674.568	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145039	22/07/2011	TomStridsland	611573.2812	7052700.673	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70			
145040	22/07/2011	TomStridsland	611598.2212	7052735.895	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145041	22/07/2011	TomStridsland	611650.1842	7052755.565	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	90			
145042	22/07/2011	TomStridsland	611688.5718	7052791.15	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80			
145043	22/07/2011	TomStridsland	611720.0836	7052820.249	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80			
145044	22/07/2011	TomStridsland	611752.8345	7052862.104	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40			
145045	22/07/2011	TomStridsland	611797.1326	7052896.226	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40			
145046	22/07/2011	TomStridsland	611835.5839	7052925.683	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70			
145047	22/07/2011	TomStridsland	611882.2362	7052950.745	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	110			
145048	22/07/2011	TomStridsland	611905.8431	7052985.589	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	90	Moist		
145049	22/07/2011	TomStridsland	611946.367	7053023.817	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	110			
145050	22/07/2011	TomStridsland	611992.0754	7053051.636	UTMZ7N_WGS84	Soil	Black	Sand		B	100			
145051	22/07/2011	TomStridsland	612028.2806	7053086.925	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	80	Wet		
145052	22/07/2011	TomStridsland	612069.5299	7053118.602	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145053	22/07/2011	TomStridsland	612105.7523	7053143.522	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145054	22/07/2011	TomStridsland	612140.7174	7053180.108	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	60			
145055	22/07/2011	TomStridsland	612181.2155	7053216.108	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145056	22/07/2011	TomStridsland	612210.2667	7053240.107	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70			
145057	22/07/2011	TomStridsland	612264.1274	7053278.812	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	70	Wet		
145058	22/07/2011	TomStridsland	612347.9786	7053351.365	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145059	22/07/2011	TomStridsland	612378.8648	7053366.955	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	120	Wet		
145060	22/07/2011	TomStridsland	612417.8201	7053402.905	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145061	23/07/2011	TomStridsland	612328.6661	7054727.985	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	90		Good	

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
145062	23/07/2011	TomStridsland	612363.7633	7054735.027	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70			
145063	23/07/2011	TomStridsland	612407.3642	7054787.869	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145064	23/07/2011	TomStridsland	612433.2587	7054809.417	UTMZ7N_WGS84	Soil	Brown	Sand		B	120			
145065	23/07/2011	TomStridsland	612472.71	7054844.828	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		C	30		Poor	
145066	23/07/2011	TomStridsland	612521.2246	7054872.42	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		C	40		Good	
145067	23/07/2011	TomStridsland	612552.781	7054906.437	UTMZ7N_WGS84	Alluvium	BrownLight	Gravel		C	30			
145068	23/07/2011	TomStridsland	612598.3633	7054938.276	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	120		Poor	
145069	23/07/2011	TomStridsland	612630.0421	7054982.78	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	120		Poor	
145070	23/07/2011	TomStridsland	612677.4204	7055004.536	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	100	Wet	Poor	
145071	23/07/2011	TomStridsland	612704.0415	7055033.472	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	80		Poor	
145072	23/07/2011	TomStridsland	612743.7983	7055067.114	UTMZ7N_WGS84	Soil	Grey	Silt		B	90	Wet		
145073	23/07/2011	TomStridsland	612776.5954	7055094.04	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	100		Poor	
145074	23/07/2011	TomStridsland	612822.8946	7055127.915	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	90		Good	
145076	23/07/2011	TomStridsland	612894.2522	7055198.256	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80			
145077	23/07/2011	TomStridsland	612933.398	7055232.212	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145078	23/07/2011	TomStridsland	612975.6226	7055264.718	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145079	23/07/2011	TomStridsland	613009.0023	7055300.254	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	70		Excellent	
145080	23/07/2011	TomStridsland	613048.2274	7055324.959	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	60			
145081	23/07/2011	TomStridsland	613140.8307	7055385.247	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	50			
145082	23/07/2011	TomStridsland	613179.0318	7055417.724	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	50			
145083	23/07/2011	TomStridsland	613206.9224	7055459.534	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	70			
145084	23/07/2011	TomStridsland	613241.8004	7055494.681	UTMZ7N_WGS84	Soil	Brown			B	120			
145085	23/07/2011	TomStridsland	613314.8505	7055543.57	UTMZ7N_WGS84	Soil	BrownLight			B	90		Poor	
145086	23/07/2011	TomStridsland	613347.3697	7055586.328	UTMZ7N_WGS84	Soil	BrownLight	Sand		C	70			
145087	23/07/2011	TomStridsland	613397.2285	7055620.228	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30			
145088	23/07/2011	TomStridsland	613476.3884	7055677.146	UTMZ7N_WGS84	Colluvium	BrownDark	Gravel		C	30			
145089	23/07/2011	TomStridsland	613515.1876	7055698.273	UTMZ7N_WGS84	Regolith	Brown	Gravel		C	20			
145090	23/07/2011	TomStridsland	613547.744	7055741.258	UTMZ7N_WGS84	Alluvium	BrownLight	Gravel		C	30			
145091	23/07/2011	TomStridsland	613584.2514	7055773.679	UTMZ7N_WGS84	Alluvium	BrownLight	Gravel		C	40			
145092	23/07/2011	TomStridsland	613636.7571	7055801.432	UTMZ7N_WGS84	Alluvium	BrownLight	Gravel		C	30			
145093	23/07/2011	TomStridsland	613666.4006	7055835.615	UTMZ7N_WGS84	Alluvium	BrownLight	Gravel		C	30			
145094	24/07/2011	TomStridsland	612904.7885	7054026.613	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		C	40			
145095	24/07/2011	TomStridsland	612942.4302	7054064.195	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	40			
145096	24/07/2011	TomStridsland	612987.5416	7054084.425	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60		Good	
145097	24/07/2011	TomStridsland	613025.1994	7054125.689	UTMZ7N_WGS84	Colluvium	Green	Sand		C	60		Excellent	
145098	24/07/2011	TomStridsland	613054.4656	7054157.176	UTMZ7N_WGS84	Colluvium	Green	Sand		C	60		Good	
145099	24/07/2011	TomStridsland	613093.2374	7054172.72	UTMZ7N_WGS84	Colluvium	Green	Sand		C	90		Excellent	
145100	24/07/2011	TomStridsland	613130.6782	7054220	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70			
145101	24/07/2011	TomStridsland	613177.1721	7054250.095	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	80		Good	
145102	24/07/2011	TomStridsland	613207.34	7054284.068	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145103	24/07/2011	TomStridsland	613258.1714	7054323.352	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	80		Poor	
145104	24/07/2011	TomStridsland	613291.7405	7054346.854	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	80		Poor	
145105	24/07/2011	TomStridsland	613329.2186	7054370.72	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70		Excellent	
145106	24/07/2011	TomStridsland	613357.6685	7054416.565	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	80		Poor	
145107	24/07/2011	TomStridsland	613398.4849	7054444.231	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	90		Poor	
145108	24/07/2011	TomStridsland	613477.6802	7054510.739	UTMZ7N_WGS84	Soil	Black	Silt		B	80	Frozen		
145109	24/07/2011	TomStridsland	613514.8153	7054537.159	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	70	Frozen	Poor	
145110	24/07/2011	TomStridsland	613557.0173	7054574.578	UTMZ7N_WGS84	Soil	Grey	Sand			60		Good	
145111	24/07/2011	TomStridsland	613598.7425	7054601.721	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	60		Excellent	
145112	24/07/2011	TomStridsland	613629.6643	7054643.532	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	70		Excellent	
145113	24/07/2011	TomStridsland	613665.5425	7054681.395	UTMZ7N_WGS84	Soil	Grey	Sand		C	90			

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
145114	24/07/2011	TomStridsland	613707.5625	7054718.252	UTMZ7N_WGS84	Soil	Black	Silt		B	100		Poor	
145115	24/07/2011	TomStridsland	613737.5749	7054738.286	UTMZ7N_WGS84	Soil	Grey	Silt		B	70		Poor	
145116	24/07/2011	TomStridsland	613784.9871	7054770.097	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	80		Good	
145117	24/07/2011	TomStridsland	613833.9898	7054792.151	UTMZ7N_WGS84	Soil	Grey	Silt		C	50		Poor	
145118	24/07/2011	TomStridsland	613858.8282	7054826.275	UTMZ7N_WGS84	Soil	BrownDark	Silt		C	60		Poor	
145119	24/07/2011	TomStridsland	613906.7041	7054857.546	UTMZ7N_WGS84	Soil	Green	Sand		C	70			
145120	24/07/2011	TomStridsland	613937.5759	7054879.844	UTMZ7N_WGS84	Soil	Grey	Silt		C	80		Poor	
145121	24/07/2011	TomStridsland	614050.5032	7054983.711	UTMZ7N_WGS84	OrganicMoss	Black	Silt	Swamp	B	120		Poor	
145122	24/07/2011	TomStridsland	614080.8939	7055013.799	UTMZ7N_WGS84	Soil	Grey	Silt		B	80		Poor	
145123	24/07/2011	TomStridsland	614137.5576	7055046.282	UTMZ7N_WGS84	Soil	Grey	Sand		C	80		Excellent	
145124	24/07/2011	TomStridsland	614172.4456	7055083.781	UTMZ7N_WGS84	Soil	Grey	Sand		C	70		Good	
145125	24/07/2011	TomStridsland	614209.5298	7055116.787	UTMZ7N_WGS84	Soil	Grey	Silt		C	80			
145126	24/07/2011	TomStridsland	614240.4308	7055143.661	UTMZ7N_WGS84	Soil	BrownLight	Silt		C	60		Good	
145127	25/07/2011	TomStridsland	613221.4104	7053636.669	UTMZ7N_WGS84	Colluvium	Green	Sand		C	60			
145128	25/07/2011	TomStridsland	613252.5962	7053667.334	UTMZ7N_WGS84	Colluvium	Green	Sand		C	60			
145129	25/07/2011	TomStridsland	613313.2086	7053704.179	UTMZ7N_WGS84	Soil	Green	Silt		C	100	Wet	Good	
145130	25/07/2011	TomStridsland	613339.7434	7053746.834	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	90			
145131	25/07/2011	TomStridsland	613378.7021	7053775.324	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80		Good	
145132	25/07/2011	TomStridsland	613414.6568	7053801.701	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80		Good	
145133	25/07/2011	TomStridsland	613453.0471	7053841.881	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80	Wet		
145134	25/07/2011	TomStridsland	613490.1756	7053863.17	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	60			
145135	25/07/2011	TomStridsland	613542.5094	7053898.052	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145136	25/07/2011	TomStridsland	613581.6271	7053937.256	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145137	25/07/2011	TomStridsland	613609.9601	7053955.89	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	40			
145138	25/07/2011	TomStridsland	613648.9714	7053993.865	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	70			
145139	25/07/2011	TomStridsland	613697.8161	7054027.62	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	120		Poor	
145140	25/07/2011	TomStridsland	613732.449	7054075.476	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	50	Frozen	Poor	
145141	25/07/2011	TomStridsland	613796.1333	7054141.212	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70		Good	
145142	25/07/2011	TomStridsland	613836.2738	7054160.049	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	70			
145143	25/07/2011	TomStridsland	613870.9334	7054178.021	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	90		Poor	
145144	25/07/2011	TomStridsland	613916.1799	7054220.572	UTMZ7N_WGS84	Soil	Grey	Silt		B	60		Poor	
145145	25/07/2011	TomStridsland	613954.4521	7054233.322	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	50	Frozen	Poor	
145146	25/07/2011	TomStridsland	614024.4054	7054320.588	UTMZ7N_WGS84		Grey	Silt		B	50	Frozen	Poor	
145147	25/07/2011	TomStridsland	614075.5206	7054353.093	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	70		Good	
145148	25/07/2011	TomStridsland	614118.7639	7054375.28	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	60			
145149	25/07/2011	TomStridsland	614152.0797	7054422.201	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	70		Excellent	
145150	25/07/2011	TomStridsland	614184.481	7054446.228	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	70		Excellent	
145151	25/07/2011	TomStridsland	614226.6539	7054481.536	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	60			
145152	25/07/2011	TomStridsland	614271.7327	7054518.846	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145153	25/07/2011	TomStridsland	614302.9607	7054540.936	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70		Excellent	
145154	25/07/2011	TomStridsland	614338.4732	7054575.002	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	70		Good	
145155	25/07/2011	TomStridsland	614372.9389	7054584.386	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145156	25/07/2011	TomStridsland	614415.4806	7054628.632	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	60		Poor	
145157	25/07/2011	TomStridsland	614447.5964	7054664.584	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	70		Poor	
145158	25/07/2011	TomStridsland	614485.8424	7054691.614	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	60		Good	
145159	25/07/2011	TomStridsland	614522.4445	7054736.65	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	70		Poor	
145160	25/07/2011	TomStridsland	614584.3356	7054764.646	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70			
145161	26/07/2011	TomStridsland	613362.7699	7048957.545	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145162	26/07/2011	TomStridsland	613299.2765	7048952.828	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	50			
145163	26/07/2011	TomStridsland	613249.9804	7048926.537	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145164	26/07/2011	TomStridsland	613205.3171	7048936.321	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
145165	26/07/2011	TomStridsland	613153.0269	7048925.649	UTMZ7N_WGS84	Colluvium	BrownLight	Silt			60			
145166	26/07/2011	TomStridsland	613109.8053	7048943.848	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145167	26/07/2011	TomStridsland	613049.4345	7048935.232	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145168	26/07/2011	TomStridsland	613009.5083	7048940.503	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	60			
145169	26/07/2011	TomStridsland	612970.4249	7048947.254	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145170	26/07/2011	TomStridsland	612944.3767	7048946.886	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145171	26/07/2011	TomStridsland	612870.6986	7048933.452	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145172	26/07/2011	TomStridsland	612816.8886	7048940.351	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30		Good	
145173	26/07/2011	TomStridsland	612763.3201	7048940.457	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145174	26/07/2011	TomStridsland	612709.7064	7048943.238	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	50			
145175	26/07/2011	TomStridsland	612655.3168	7048949.673	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30		Poor	
145176	26/07/2011	TomStridsland	612610.6912	7048948.649	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Good	
145177	26/07/2011	TomStridsland	612560.9629	7048938.636	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Good	
145178	26/07/2011	TomStridsland	612513.6871	7048939.415	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40		Good	
145179	26/07/2011	TomStridsland	612516.203	7049049.567	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	50		Excellent	
145180	26/07/2011	TomStridsland	612561.8286	7049043.377	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	50			
145181	26/07/2011	TomStridsland	612611.8339	7049046.933	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30			
145182	26/07/2011	TomStridsland	612662.946	7049034.694	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	30			
145183	26/07/2011	TomStridsland	612712.9147	7049043.491	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	30		Good	
145184	26/07/2011	TomStridsland	612763.1711	7049041.371	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	60		Good	
145185	26/07/2011	TomStridsland	612818.306	7049043.328	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Good	
145186	26/07/2011	TomStridsland	612874.4852	7049041.085	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30		Poor	
145187	26/07/2011	TomStridsland	612915.2027	7049049.891	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	50		Excellent	
145188	26/07/2011	TomStridsland	612967.7329	7049038.377	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30		Poor	
145189	26/07/2011	TomStridsland	613023.3248	7049023.292	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	20			
145190	26/07/2011	TomStridsland	613068.366	7049036.38	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
145191	26/07/2011	TomStridsland	613106.4963	7049045.208	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	70		Excellent	
145192	26/07/2011	TomStridsland	613151.9175	7049047.606	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70			
145193	26/07/2011	TomStridsland	613211.0935	7049047.817	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145194	26/07/2011	TomStridsland	613268.9202	7049042.629	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70		Excellent	
145195	26/07/2011	TomStridsland	613309.0426	7049047.182	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
145196	26/07/2011	TomStridsland	613353.7784	7049061.825	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145197	27/07/2011	TomStridsland	622731.8554	7042883.748	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145198	27/07/2011	TomStridsland	622690.3335	7042933.005	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	30			
145199	27/07/2011	TomStridsland	622668.8539	7042958.833	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	30			
145200	27/07/2011	TomStridsland	622619.5886	7043016.381	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145201	27/07/2011	TomStridsland	622582.057	7043057.874	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145202	27/07/2011	TomStridsland	622564.0163	7043081.159	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50			
145203	27/07/2011	TomStridsland	622529.9354	7043123.678	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40			
145204	27/07/2011	TomStridsland	622509.4228	7043164.6	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145205	27/07/2011	TomStridsland	622475.4934	7043192.851	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	60		Excellent	
145206	27/07/2011	TomStridsland	622434.7899	7043230.097	UTMZ7N_WGS84	Colluvium	BrownLight	Sand			60		Excellent	
145207	27/07/2011	TomStridsland	622406.9742	7043269.178	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	50		Good	
145208	27/07/2011	TomStridsland	622363.7026	7043312.35	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145209	27/07/2011	TomStridsland	622344.4906	7043346.743	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30		Poor	
145210	27/07/2011	TomStridsland	622308.0178	7043393.299	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Good	
145211	27/07/2011	TomStridsland	622275.4155	7043428.628	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
145212	27/07/2011	TomStridsland	622230.4785	7043455.566	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	50		Good	
145213	27/07/2011	TomStridsland	622209.769	7043506.966	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145214	27/07/2011	TomStridsland	622190.5036	7043550.615	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40		Poor	
145215	27/07/2011	TomStridsland	622131.5961	7043565.084	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	20		Poor	

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
145216	27/07/2011	TomStridsland	622215.2198	7043636.324	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	30		Poor	
145217	27/07/2011	TomStridsland	622246.5039	7043591.129	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	40			
145218	27/07/2011	TomStridsland	622277.6574	7043551.952	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	20			
145219	27/07/2011	TomStridsland	622310.3577	7043520.53	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145220	27/07/2011	TomStridsland	622341.4082	7043474.993	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	50		Excellent	
145221	27/07/2011	TomStridsland	622379.6556	7043445.792	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
145222	27/07/2011	TomStridsland	622413.198	7043405.481	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Excellent	
145223	27/07/2011	TomStridsland	622450.777	7043378.152	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145224	27/07/2011	TomStridsland	622488.3612	7043340.339	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80		Excellent	
145225	27/07/2011	TomStridsland	622503.6471	7043292.747	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	60		Good	
145226	27/07/2011	TomStridsland	622541.975	7043255.075	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80			
145227	27/07/2011	TomStridsland	622572.4392	7043211.97	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
145228	27/07/2011	TomStridsland	622606.7038	7043181.504	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40		Good	
145229	27/07/2011	TomStridsland	622639.0366	7043137.803	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70		Excellent	
145230	27/07/2011	TomStridsland	622676.3675	7043104.109	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	60			
145231	27/07/2011	TomStridsland	622712.7784	7043067.146	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145232	27/07/2011	TomStridsland	622734.4336	7043023.815	UTMZ7N_WGS84	Colluvium	Blue	Sand		C	60		Excellent	
145233	27/07/2011	TomStridsland	622770.6782	7042969.224	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	50			
145234	27/07/2011	TomStridsland	622794.7087	7042940.595	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Good	
145235	28/07/2011	TomStridsland	621617.9186	7046100.168	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	20			
145236	28/07/2011	TomStridsland	621657.0918	7046130.44	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30			
145237	28/07/2011	TomStridsland	621690.1037	7046168.171	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145238	28/07/2011	TomStridsland	621761.4277	7046224.768	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50		Good	
145239	28/07/2011	TomStridsland	621802.0511	7046256.101	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40			
145240	28/07/2011	TomStridsland	621869.6776	7046325.941	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	20			
145241	28/07/2011	TomStridsland	621913.6741	7046347.144	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	40			
145242	28/07/2011	TomStridsland	621996.2272	7046417.114	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30			
145243	28/07/2011	TomStridsland	622026.6915	7046448.395	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145244	28/07/2011	TomStridsland	621969.4103	7046525.717	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	90	Frozen	Poor	
145245	28/07/2011	TomStridsland	621933.7463	7046495.018	UTMZ7N_WGS84	Colluvium	Grey	Silt		C	40		Good	
145246	28/07/2011	TomStridsland	621911.6006	7046463.611	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	40			
145247	28/07/2011	TomStridsland	621863.4347	7046430.426	UTMZ7N_WGS84	Colluvium	Grey	Silt		C	50	Wet	Poor	
145248	28/07/2011	TomStridsland	621825.3497	7046395.286	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40		Good	
145249	28/07/2011	TomStridsland	621792.7463	7046382.105	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40		Good	
145250	28/07/2011	TomStridsland	621718.6551	7046293.839	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	30		Poor	
145251	28/07/2011	TomStridsland	621671.8538	7046258.703	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Excellent	
145252	28/07/2011	TomStridsland	621624.8768	7046224.229	UTMZ7N_WGS84	Colluvium	BrownLight	Sand			60		Excellent	
145253	28/07/2011	TomStridsland	621599.4552	7046202.848	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Excellent	
145254	28/07/2011	TomStridsland	621552.6068	7046137.599	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	30			
145255	28/07/2011	TomStridsland	621514.4599	7046145.621	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40			
145256	28/07/2011	TomStridsland	621481.8893	7046111.923	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	30		Poor	
145257	28/07/2011	TomStridsland	621432.5759	7046081.156	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Good	
145258	28/07/2011	TomStridsland	621402.4918	7046040.973	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Excellent	
145259	28/07/2011	TomStridsland	621359.2132	7046015.121	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Excellent	
145260	28/07/2011	TomStridsland	621438.6958	7045942.985	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80			
145261	28/07/2011	TomStridsland	621459.2576	7045975.666	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80		Good	
145262	28/07/2011	TomStridsland	621495.575	7046014.303	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Good	
145263	28/07/2011	TomStridsland	621539.2166	7046044.966	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40		Poor	
145264	29/07/2011	TomStridsland	619518.3773	7046319.268	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50			
145265	29/07/2011	TomStridsland	619553.3742	7046359.059	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	60			
145266	29/07/2011	TomStridsland	619600.5685	7046278.305	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	60		Excellent	

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
145267	29/07/2011	TomStridsland	619647.491	7046301.482	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145268	29/07/2011	TomStridsland	619692.4766	7046337.747	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145269	29/07/2011	TomStridsland	619619.1739	7046425.658	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
145270	29/07/2011	TomStridsland	619666.8182	7046450.759	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	70		Excellent	
145271	29/07/2011	TomStridsland	619726.8069	7046371.38	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand		C	50		Good	
145272	29/07/2011	TomStridsland	619758.2585	7046411.374	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70		Excellent	
145273	29/07/2011	TomStridsland	619695.3947	7046490.421	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
145274	29/07/2011	TomStridsland	619735.056	7046511.988	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	60			
145275	29/07/2011	TomStridsland	619804.7741	7046447.921	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	80		Excellent	
145276	29/07/2011	TomStridsland	619836.828	7046471.88	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80			
145277	29/07/2011	TomStridsland				Colluvium	BrownLight	Sand		C	80		Excellent	
145278	29/07/2011	TomStridsland	619816.7615	7046576.402	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	40		Poor	
145279	29/07/2011	TomStridsland	619875.3136	7046507.456	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	60		Excellent	
145280	29/07/2011	TomStridsland	619907.7371	7046544.031	UTMZ7N_WGS84	Colluvium	Grey	Silt		C	50		Good	
145281	29/07/2011	TomStridsland	619841.5893	7046617.709	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	70			
145282	29/07/2011	TomStridsland	619886.9801	7046641.724	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Good	
145283	29/07/2011	TomStridsland	619955.0301	7046559.866	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	60			
145284	29/07/2011	TomStridsland	619997.2941	7046598.152	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145285	29/07/2011	TomStridsland	619924.8945	7046679.176	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60			
145286	29/07/2011	TomStridsland	619964.6122	7046712.346	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70		Good	
145287	29/07/2011	TomStridsland	620027.5959	7046639.443	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Good	
145288	29/07/2011	TomStridsland	620065.0812	7046671.081	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50		Good	
145289	29/07/2011	TomStridsland	620002.8246	7046739.215	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	40	Frozen	Poor	
145290	29/07/2011	TomStridsland	620042.8032	7046777.304	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	60		Good	
145294	29/07/2011	TomStridsland	620094.2707	7046698.28	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	80	Frozen	Poor	
145295	29/07/2011	TomStridsland	620149.5793	7046723.231	UTMZ7N_WGS84	Colluvium	Grey	Silt		C	80		Poor	
145296	29/07/2011	TomStridsland	620183.3755	7046754.954	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30		Poor	
145297	29/07/2011	TomStridsland	620215.8063	7046789.86	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	90		Excellent	
145298	29/07/2011	TomStridsland	620118.2524	7046835.691	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Frozen	Poor	
146012	22/07/2011	JordanHarrington	611277.3375	7052185.803	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	ForestMixed
146013	22/07/2011	JordanHarrington	611310.2371	7052215.28	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	ForestMixed
146014	22/07/2011	JordanHarrington	611349.1999	7052241.849	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
146015	22/07/2011	JordanHarrington	611399.4584	7052284.871	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	80	Frozen	Good	ForestMixed
146016	22/07/2011	JordanHarrington	611440.152	7052325.775	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
146017	22/07/2011	JordanHarrington	611465.2147	7052343.494	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Moist	Good	ForestMixed
146018	22/07/2011	JordanHarrington	611512.7225	7052381.292	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Moist	Good	ForestMixed
146019	22/07/2011	JordanHarrington	611539.9315	7052418.49	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Frozen	Good	ForestMixed
146020	22/07/2011	JordanHarrington	611581.5327	7052447.607	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Moist	Good	ForestMixed
146021	22/07/2011	JordanHarrington	611611.2316	7052481.771	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
146022	22/07/2011	JordanHarrington	611660.7049	7052503.137	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Moist	Good	ForestMixed
146023	22/07/2011	JordanHarrington	611696.5182	7052539.97	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
146024	22/07/2011	JordanHarrington	611734.9016	7052574.328	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Moist	Good	ForestMixed
146025	22/07/2011	JordanHarrington	611774.48	7052611.406	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
146026	22/07/2011	JordanHarrington	611815.8888	7052637.398	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestAspen
146027	22/07/2011	JordanHarrington	611851.4064	7052672.661	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	70	Frozen	Good	ForestMixed
146028	22/07/2011	JordanHarrington	611898.4521	7052704.985	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Moist	Good	ForestMixed
146029	22/07/2011	JordanHarrington	611923.5409	7052733.079	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Good	ForestMixed
146030	22/07/2011	JordanHarrington	611958.4996	7052771.446	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	B	70	Frozen	Good	ForestMixed
146031	22/07/2011	JordanHarrington	612002.156	7052794.174	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	B	80	Frozen	Good	ForestMixed
146032	22/07/2011	JordanHarrington	612038.1831	7052827.561	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	B	70	Frozen	Good	ForestMixed
146033	22/07/2011	JordanHarrington	612081.3542	7052856.964	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	B	90	Frozen	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
146034	22/07/2011	JordanHarrington	612118.5437	7052893.962	UTMZ7N_WGS84	Colluvium	Grey	Silt	DrainageSeasonal	B	80	Wet	Poor	DrainageAlder
146035	22/07/2011	JordanHarrington	612160.2546	7052923.872	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	60	Wet	Poor	DrainageAlder
146036	22/07/2011	JordanHarrington	612192.9468	7052957.367	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	80	Wet	Good	ForestMixed
146037	22/07/2011	JordanHarrington	612240.9307	7052986.83	UTMZ7N_WGS84	Soil	BrownDark	Silt	Swamp	B	60	Frozen	Poor	DrainageBrush
146038	22/07/2011	JordanHarrington	612270.4228	7053020.882	UTMZ7N_WGS84	Soil	BrownDark	Clay	Swamp	B	60	Frozen	Poor	DrainageBrush
146039	22/07/2011	JordanHarrington	612311.3757	7053046.864	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	B	70	Frozen	Good	ForestMixed
146041	22/07/2011	JordanHarrington	612347.5812	7053089.071	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	80	Frozen	Poor	ForestMixed
146042	22/07/2011	JordanHarrington	612386.0522	7053114.966	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	70	Frozen	Poor	ForestMixed
146043	22/07/2011	JordanHarrington	612425.5852	7053145.918	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	80	Frozen	Poor	ForestMixed
146044	22/07/2011	JordanHarrington	612463.2334	7053182.379	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Frozen	Poor	ForestMixed
146045	22/07/2011	JordanHarrington	612507.4892	7053213.165	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Frozen	Good	ForestMixed
146046	22/07/2011	JordanHarrington	612550.6375	7053247.145	UTMZ7N_WGS84	Lithosoil	Brown	Silt	SteepNW	B	30	Moist	Poor	ForestMixed
146047	22/07/2011	JordanHarrington	612578.4842	7053277.016	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	C	40	Dry	Good	ForestMixed
146048	22/07/2011	JordanHarrington	612623.4094	7053316.859	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	C	50	Dry	Excellent	ForestMixed
146049	23/07/2011	JordanHarrington	610454.4316	7053176.822	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	60	Frozen	Poor	ForestMixed
146050	23/07/2011	JordanHarrington	610493.8582	7053209.864	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNW	C	80	Frozen	Good	ForestMixed
146051	23/07/2011	JordanHarrington	610525.5364	7053238.622	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNW	C	90	Frozen	Good	ForestMixed
146052	23/07/2011	JordanHarrington	610558.7994	7053277.472	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNW	B	60	Frozen	Poor	ForestMixed
146053	23/07/2011	JordanHarrington	610592.4989	7053312.323	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Frozen	Good	ForestMixed
146054	23/07/2011	JordanHarrington	610623.502	7053337.601	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	80	Frozen	Poor	ForestMixed
146055	23/07/2011	JordanHarrington	610675.8436	7053384.7	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	70	Frozen	Poor	ForestMixed
146056	23/07/2011	JordanHarrington	610705.6258	7053413.617	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	80	Frozen	Good	ForestMixed
146057	23/07/2011	JordanHarrington	610745.4766	7053442.886	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Frozen	Good	ForestMixed
146058	23/07/2011	JordanHarrington	610776.5181	7053481.214	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
146059	23/07/2011	JordanHarrington	610826.9937	7053504.833	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Frozen	Good	ForestMixed
146060	23/07/2011	JordanHarrington	610857.2127	7053549.602	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Frozen	Good	ForestAspen
146061	23/07/2011	JordanHarrington	610897.3135	7053571.633	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestAspen
146062	23/07/2011	JordanHarrington	610941.9481	7053607.427	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	C	40	Dry	Good	ForestAspen
146063	23/07/2011	JordanHarrington	610987.7805	7053631.667	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	ForestAspen
146064	23/07/2011	JordanHarrington	611020.4366	7053667.713	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Frozen	Good	ForestAspen
146065	23/07/2011	JordanHarrington	611059.6623	7053703.32	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Frozen	Good	ForestMixed
146066	23/07/2011	JordanHarrington	611095.8031	7053730.568	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Frozen	Good	ForestMixed
146067	23/07/2011	JordanHarrington	611137.4619	7053760.463	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Frozen	Good	ForestMixed
146068	23/07/2011	JordanHarrington	611169.0062	7053789.892	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	90	Frozen	Good	ForestMixed
146069	23/07/2011	JordanHarrington	611219.6119	7053822.332	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	60	Frozen	Good	ForestMixed
146070	23/07/2011	JordanHarrington	611257.929	7053858.244	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Frozen	Good	ForestMixed
146071	23/07/2011	JordanHarrington	611283.9531	7053889.265	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
146072	23/07/2011	JordanHarrington	611322.1694	7053925.175	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Frozen	Good	ForestMixed
146073	23/07/2011	JordanHarrington	611360.8831	7053953.966	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Frozen	Good	ForestMixed
146074	23/07/2011	JordanHarrington	611407.5403	7053985.601	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	60	Frozen	Good	ForestMixed
146075	23/07/2011	JordanHarrington	611458.6796	7054025.312	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Frozen	Good	ForestMixed
146076	23/07/2011	JordanHarrington	611489.4547	7054046.8	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	80	Frozen	Good	ForestMixed
146077	23/07/2011	JordanHarrington	611522.0849	7054091.772	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Frozen	Good	ForestMixed
146078	23/07/2011	JordanHarrington	611553.287	7054112.384	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	40	Wet	Poor	ForestMixed
146079	23/07/2011	JordanHarrington	611600.0703	7054147.372	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	60	Frozen	Poor	ForestMixed
146080	23/07/2011	JordanHarrington	611631.7369	7054175.918	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	60	Frozen	Poor	ForestMixed
146081	23/07/2011	JordanHarrington	611678.9925	7054205.906	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateN	C	80	Frozen	Good	ForestMixed
146082	23/07/2011	JordanHarrington	611720.9714	7054247.529	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	60	Frozen	Poor	ForestMixed
146083	23/07/2011	JordanHarrington	611752.5471	7054277.189	UTMZ7N_WGS84	Soil	Brown	Clay	Swamp	B	60	Frozen	Poor	ForestMixed
146084	23/07/2011	JordanHarrington	611803.1999	7054340.306	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateN	B	70	Frozen	Poor	ForestMixed
146085	24/07/2011	JordanHarrington	613040.1821	7053868.29	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
146086	24/07/2011	JordanHarrington	613084.347	7053906.775	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
146087	24/07/2011	JordanHarrington	613104.3228	7053939.827	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	70	Frozen	Good	ForestMixed
146088	24/07/2011	JordanHarrington	613143.5326	7053973.787	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
146089	24/07/2011	JordanHarrington	613185.466	7053996.806	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
146091	24/07/2011	JordanHarrington	613215.8248	7054032.459	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
146092	24/07/2011	JordanHarrington	613251.8558	7054073.333	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Frozen	Good	ForestMixed
146093	24/07/2011	JordanHarrington	613290.893	7054095.358	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	70	Frozen	Good	ForestMixed
146094	24/07/2011	JordanHarrington	613331.2377	7054128.023	UTMZ7N_WGS84	Soil	Grey	Silt	Swamp	B	60	Frozen	Good	ForestMixed
146095	24/07/2011	JordanHarrington	613374.9979	7054156.797	UTMZ7N_WGS84	Soil	Grey	Clay	Swamp	B	80	Frozen	Poor	ForestMixed
146096	24/07/2011	JordanHarrington	613412.9668	7054187.817	UTMZ7N_WGS84	Soil	BrownLight	Clay	Swamp	B	90	Frozen	Poor	ForestMixed
146097	24/07/2011	JordanHarrington	613450.5616	7054220.944	UTMZ7N_WGS84	Soil	Grey	Clay		B	80	Frozen	Poor	DrainageAlder
146098	24/07/2011	JordanHarrington	613481.8419	7054254.291	UTMZ7N_WGS84	Soil	Brown	Clay	Swamp	B	60	Frozen	Good	ForestMixed
146099	24/07/2011	JordanHarrington	613530.2826	7054281.227	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateW	B	70	Frozen	Good	ForestMixed
146100	24/07/2011	JordanHarrington	613562.0722	7054319.723	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateW	B	60	Frozen	Poor	ForestMixed
146101	24/07/2011	JordanHarrington	613613.3936	7054345.202	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Frozen	Poor	ForestMixed
146102	24/07/2011	JordanHarrington	613639.17	7054381.03	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Frozen	Poor	ForestMixed
146103	24/07/2011	JordanHarrington	613675.4634	7054421.25	UTMZ7N_WGS84	Soil	Brown	Clay	Swamp	B	90	Frozen	Poor	DrainageBrush
146104	24/07/2011	JordanHarrington	613712.468	7054452.686	UTMZ7N_WGS84	Soil	BrownDark	Clay	Swamp	B	50	Frozen	Poor	DrainageBrush
146105	24/07/2011	JordanHarrington	613748.3638	7054473.489	UTMZ7N_WGS84	Soil	BrownDark	Clay	ModerateW	B	60	Frozen	Poor	ForestMixed
146106	24/07/2011	JordanHarrington	613794.8558	7054513.072	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	70	Frozen	Good	ForestMixed
146107	24/07/2011	JordanHarrington	613826.5581	7054545.546	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Frozen	Good	ForestMixed
146108	24/07/2011	JordanHarrington	613866.9131	7054585.914	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Dry	Good	ForestMixed
146109	24/07/2011	JordanHarrington	613911.6708	7054604.583	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Frozen	Good	ForestMixed
146110	24/07/2011	JordanHarrington	613953.2326	7054636.186	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	70	Frozen	Good	ForestMixed
146111	24/07/2011	JordanHarrington	613995.3384	7054663.682	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateW	B	90	Frozen	Poor	ForestMixed
146112	24/07/2011	JordanHarrington	614039.2702	7054702.509	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Frozen	Good	ForestMixed
146113	24/07/2011	JordanHarrington	614067.302	7054737.529	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	70	Frozen	Good	ForestMixed
146114	24/07/2011	JordanHarrington	614094.849	7054768.072	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	70	Frozen	Poor	ForestMixed
146115	24/07/2011	JordanHarrington	614139.9366	7054800.92	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	70	Frozen	Poor	ForestMixed
146116	24/07/2011	JordanHarrington	614182.5709	7054831.56	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	80	Frozen	Poor	ForestMixed
146117	24/07/2011	JordanHarrington	614221.5316	7054866.307	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	70	Frozen	Poor	ForestMixed
146118	24/07/2011	JordanHarrington	614260.8625	7054896.273	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNW	B	80	Frozen	Poor	ForestMixed
146119	24/07/2011	JordanHarrington	614287.5245	7054929.239	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	60	Frozen	Poor	ForestMixed
146120	24/07/2011	JordanHarrington	614332.3692	7054959.069	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	70	Frozen	Poor	ForestMixed
146121	24/07/2011	JordanHarrington	614375.6132	7054987.839	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	70	Frozen	Poor	ForestMixed
146122	25/07/2011	JordanHarrington	613349.6199	7053491.26	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	70	Frozen	Good	ForestMixed
146123	25/07/2011	JordanHarrington	613398.6111	7053521.224	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Frozen	Poor	ForestMixed
146124	25/07/2011	JordanHarrington	613428.4598	7053547.605	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Wet	Poor	ForestMixed
146125	25/07/2011	JordanHarrington	613508.9878	7053613.603	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Frozen	Poor	ForestMixed
146126	25/07/2011	JordanHarrington	613577.1584	7053679.272	UTMZ7N_WGS84	Soil	Brown	Clay	Swamp	B	60	Frozen	Poor	DrainageAlder
146127	25/07/2011	JordanHarrington	613614.6579	7053717.973	UTMZ7N_WGS84	Soil	Grey	Clay	Swamp	B	80	Frozen	Poor	DrainageAlder
146128	25/07/2011	JordanHarrington	613657.2375	7053745.147	UTMZ7N_WGS84	Soil	Grey	Clay	Swamp	B	50	Frozen	Poor	DrainageAlder
146129	25/07/2011	JordanHarrington	613697.7425	7053776.15	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Frozen	Good	ForestMixed
146130	25/07/2011	JordanHarrington	613729.6664	7053806.846	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Frozen	Good	ForestMixed
146131	25/07/2011	JordanHarrington	613782.1122	7053839.951	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepSW	C	70	Frozen	Good	ForestMixed
146132	25/07/2011	JordanHarrington	613803.1638	7053876.057	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	70	Frozen	Good	ForestMixed
146133	25/07/2011	JordanHarrington	613855.5083	7053895.332	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	80	Frozen	Good	ForestMixed
146134	25/07/2011	JordanHarrington	613883.55	7053937.265	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Frozen	Good	ForestMixed
146135	25/07/2011	JordanHarrington	613930.0832	7053960.682	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	60	Frozen	Poor	ForestMixed
146136	25/07/2011	JordanHarrington	613958.5952	7054003.301	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	50	Frozen	Poor	ForestBlackSpruce
146137	25/07/2011	JordanHarrington	613998.9772	7054033.412	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	60	Frozen	Poor	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
146138	25/07/2011	JordanHarrington	614046.139	7054062.764	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	60	Frozen	Poor	ForestBlackSpruce
146139	25/07/2011	JordanHarrington	614084.5868	7054094.144	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	60	Frozen	Poor	ForestBlackSpruce
146140	25/07/2011	JordanHarrington	614121.3026	7054129.477	UTMZ7N_WGS84	Soil	BrownDark	Clay	DrainageSeasonal	B	50	Frozen	Poor	DrainageBrush
146141	25/07/2011	JordanHarrington	614191.6964	7054190.669	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Frozen	Good	ForestMixed
146142	25/07/2011	JordanHarrington	614228.0055	7054230.338	UTMZ7N_WGS84	Colluvium	Brown	Clay	DrainageSeasonal	B	80	Frozen	Poor	DrainageBrush
146143	25/07/2011	JordanHarrington	614263.7074	7054263.406	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Frozen	Poor	ForestMixed
146144	25/07/2011	JordanHarrington	614305.3209	7054283.975	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	80	Frozen	Poor	ForestMixed
146145	25/07/2011	JordanHarrington	614352.5838	7054321.364	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	70	Frozen	Poor	ForestMixed
146146	25/07/2011	JordanHarrington	614388.9779	7054362.711	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	80	Frozen	Good	ForestMixed
146147	25/07/2011	JordanHarrington	614433.129	7054381.701	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Frozen	Good	ForestMixed
146148	25/07/2011	JordanHarrington	614463.4019	7054419.259	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	90	Frozen	Poor	ForestMixed
146149	25/07/2011	JordanHarrington	614502.9174	7054448.342	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	90	Frozen	Poor	ForestMixed
146150	25/07/2011	JordanHarrington	614535.7393	7054478.522	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	80	Frozen	Poor	ForestMixed
146151	25/07/2011	JordanHarrington	614591.9369	7054510.327	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Moist	Good	ForestAspen
146152	25/07/2011	JordanHarrington	614607.3407	7054544.339	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	C	60	Dry	Excellent	ForestAspen
146153	25/07/2011	JordanHarrington	614652.8498	7054583.342	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	40	Dry	Good	ForestAspen
146154	25/07/2011	JordanHarrington	614690.0152	7054608.663	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNE	C	60	Dry	Excellent	ForestAspen
146155	26/07/2011	JordanHarrington	615797.6036	7053320.501	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Frozen	Poor	DrainageBrush
146156	26/07/2011	JordanHarrington	615757.4997	7053288.37	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	60	Frozen	Poor	DrainageBrush
146157	26/07/2011	JordanHarrington	615714.0127	7053255.001	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	40	Frozen	Poor	DrainageBrush
146158	26/07/2011	JordanHarrington	615645.7305	7053190.507	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	80	Frozen	Poor	DrainageBrush
146159	26/07/2011	JordanHarrington	615600.824	7053152.404	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	80	Frozen	Poor	DrainageBrush
146160	26/07/2011	JordanHarrington	615567.2339	7053118.617	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNE	B	60	Frozen	Poor	DrainageBrush
146161	26/07/2011	JordanHarrington	615534.716	7053088.103	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Frozen	Good	ForestMixed
146162	26/07/2011	JordanHarrington	615500.2954	7053051.164	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Frozen	Good	ForestMixed
146163	26/07/2011	JordanHarrington	615456.4803	7053023.92	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Frozen	Good	ForestMixed
146164	26/07/2011	JordanHarrington	615422.0227	7052983.858	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	B	50	Frozen	Poor	ForestMixed
146165	26/07/2011	JordanHarrington	615374.9743	7052952.595	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	B	60	Frozen	Poor	ForestMixed
146166	26/07/2011	JordanHarrington	615348.3018	7052921.069	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Frozen	Good	ForestMixed
146167	26/07/2011	JordanHarrington	615306.2607	7052898.242	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
146168	26/07/2011	JordanHarrington	615264.9657	7052863.063	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
146169	26/07/2011	JordanHarrington	615224.3185	7052822.332	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Good	ForestMixed
146170	26/07/2011	JordanHarrington	615187.4713	7052798.691	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Frozen	Poor	ForestMixed
146171	26/07/2011	JordanHarrington	615141.3322	7052768.245	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Frozen	Good	ForestMixed
146172	26/07/2011	JordanHarrington	615199.3019	7052680.8	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
146173	26/07/2011	JordanHarrington	615252.2268	7052711.828	UTMZ7N_WGS84	Colluvium	Red	Silt	ModerateNE	C	60	Frozen	Good	ForestMixed
146174	26/07/2011	JordanHarrington	615282.0046	7052745.473	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Frozen	Good	ForestMixed
146175	26/07/2011	JordanHarrington	615324.4493	7052784.597	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Good	ForestMixed
146176	26/07/2011	JordanHarrington	615356.1808	7052823.22	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist	Good	ForestMixed
146177	26/07/2011	JordanHarrington	615401.0505	7052840.687	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestMixed
146178	26/07/2011	JordanHarrington	615447.7794	7052873.946	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Moist	Good	ForestMixed
146179	26/07/2011	JordanHarrington	615488.7656	7052908.001	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
146180	26/07/2011	JordanHarrington	615523.6832	7052943.62	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Frozen	Good	ForestBlackSpruce
146181	26/07/2011	JordanHarrington	615571.395	7052967.549	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	ForestBlackSpruce
146182	26/07/2011	JordanHarrington	615599.768	7053010.96	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Moist	Good	ForestBlackSpruce
146183	26/07/2011	JordanHarrington	615632.5522	7053043.714	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Moist	Good	ForestMixed
146184	26/07/2011	JordanHarrington	615664.2227	7053081.112	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Good	ForestMixed
146185	26/07/2011	JordanHarrington	615699.3124	7053107.818	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist	Good	ForestBlackSpruce
146186	26/07/2011	JordanHarrington	615745.1024	7053144.839	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	80	Frozen	Poor	ForestBlackSpruce
146187	26/07/2011	JordanHarrington	615779.0067	7053175.406	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	100	Frozen	Poor	ForestBlackSpruce
146188	26/07/2011	JordanHarrington	615814.3994	7053207.365	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	80	Frozen	Poor	DrainageBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
146189	26/07/2011	JordanHarrington	615854.373	7053241.722	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateNE	B	70	Frozen	Poor	DrainageBrush
146191	27/07/2011	JordanHarrington	623406.7584	7043451.63	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	70	Moist	Good	SubAlpineAlder
146192	27/07/2011	JordanHarrington	623374.6963	7043491.988	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Good	SubAlpineAlder
146193	27/07/2011	JordanHarrington	623345.4208	7043527.324	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Frozen	Good	SubAlpineAlder
146194	27/07/2011	JordanHarrington	623305.7518	7043569.842	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	40	Dry	Good	SubAlpineAlder
146195	27/07/2011	JordanHarrington	623279.2907	7043609.749	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Frozen	Good	SubAlpineBrush
146196	27/07/2011	JordanHarrington	623248.8223	7043654.073	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	70	Moist	Good	ForestBlackSpruce
146197	27/07/2011	JordanHarrington	623218.2931	7043692.262	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	40	Moist	Good	ForestBlackSpruce
146198	27/07/2011	JordanHarrington	623178.4179	7043722.171	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	40	Moist	Good	ForestBlackSpruce
146199	27/07/2011	JordanHarrington	623150.3928	7043770.382	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	80	Dry	Good	ForestBlackSpruce
146200	27/07/2011	JordanHarrington	623118.6444	7043801.498	UTMZ7N_WGS84	Colluvium	Brown	Sand	DrainageSeasonal	C	70	Dry	Good	ForestBlackSpruce
146201	27/07/2011	JordanHarrington	623081.0531	7043839.415	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	60	Moist	Good	ForestBlackSpruce
146202	27/07/2011	JordanHarrington	623045.6082	7043875.965	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	70	Frozen	Excellent	ForestBlackSpruce
146203	27/07/2011	JordanHarrington	623022.0518	7043918.217	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Frozen	Poor	ForestBlackSpruce
146204	27/07/2011	JordanHarrington	622993.524	7043955.034	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	80	Frozen	Excellent	ForestBlackSpruce
146205	27/07/2011	JordanHarrington	622961.2727	7043995.389	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Frozen	Excellent	ForestBlackSpruce
146206	27/07/2011	JordanHarrington	622931.0787	7044041.846	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Frozen	Good	ForestBlackSpruce
146207	27/07/2011	JordanHarrington	622898.0969	7044077.935	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	50	Moist	Good	ForestBlackSpruce
146208	27/07/2011	JordanHarrington	622869.6086	7044115.09	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Moist	Good	ForestBlackSpruce
146209	27/07/2011	JordanHarrington	622787.0012	7044060.823	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	B	50	Frozen	Poor	ForestBlackSpruce
146210	27/07/2011	JordanHarrington	622816.1779	7044004.511	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Frozen	Good	ForestBlackSpruce
146211	27/07/2011	JordanHarrington	622841.0026	7043969.334	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	DrainageSeasonal	B	60	Frozen	Poor	ForestBlackSpruce
146212	27/07/2011	JordanHarrington	622873.736	7043933.234	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepNE	B	50	Moist	Good	ForestBlackSpruce
146213	27/07/2011	JordanHarrington	622905.86	7043888.413	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Frozen	Poor	ForestBlackSpruce
146214	27/07/2011	JordanHarrington	622936.5249	7043853.015	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	B	40	Frozen	Poor	ForestBlackSpruce
146215	27/07/2011	JordanHarrington	622968.2556	7043811.971	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	SteepNE	B	60	Frozen	Poor	ForestMixed
146216	27/07/2011	JordanHarrington	623034.8876	7043735.582	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	60	Moist	Good	ForestBlackSpruce
146217	27/07/2011	JordanHarrington	623067.971	7043707.305	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Good	ForestBlackSpruce
146218	27/07/2011	JordanHarrington	623101.7243	7043672.028	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	40	Moist	Poor	ForestBlackSpruce
146219	27/07/2011	JordanHarrington	623131.4397	7043627.785	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Frozen	Poor	ForestBlackSpruce
146220	27/07/2011	JordanHarrington	623163.7271	7043589.217	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Moist	Poor	ForestBlackSpruce
146221	27/07/2011	JordanHarrington	623191.7772	7043550.71	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNW	B	40	Dry	Poor	ForestBlackSpruce
146222	27/07/2011	JordanHarrington	623227.53	7043514.061	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Frozen	Good	ForestBlackSpruce
146223	27/07/2011	JordanHarrington	623267.1977	7043480.576	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Good	SubAlpineBrush
146224	27/07/2011	JordanHarrington	623294.8327	7043429.673	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Good	SubAlpineBrush
146225	27/07/2011	JordanHarrington	623330.0695	7043398.694	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	70	Dry	Good	SubAlpineBrush
146226	28/07/2011	JordanHarrington	623706.2378	7043706.382	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Frozen	Good	ForestBlackSpruce
146227	28/07/2011	JordanHarrington	623680.8218	7043751.346	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	C	60	Dry	Excellent	ForestBlackSpruce
146228	28/07/2011	JordanHarrington	623660.0444	7043792.362	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	C	70	Frozen	Excellent	ForestBlackSpruce
146229	28/07/2011	JordanHarrington	623627.2206	7043834.362	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	B	50	Frozen	Good	ForestBlackSpruce
146230	28/07/2011	JordanHarrington	623589.6428	7043873.054	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Frozen	Excellent	ForestBlackSpruce
146231	28/07/2011	JordanHarrington	623553.4673	7043906.447	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Good	ForestBlackSpruce
146232	28/07/2011	JordanHarrington	623523.0015	7043945.527	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	90	Frozen	Excellent	ForestBlackSpruce
146233	28/07/2011	JordanHarrington	623491.0158	7043986.557	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Frozen	Good	ForestBlackSpruce
146234	28/07/2011	JordanHarrington	623450.6208	7044026.033	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Dry	Excellent	ForestBlackSpruce
146235	28/07/2011	JordanHarrington	623411.8746	7044061.559	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	60	Dry	Good	ForestBlackSpruce
146236	28/07/2011	JordanHarrington	623385.0865	7044097.103	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	80	Frozen	Excellent	ForestBlackSpruce
146237	28/07/2011	JordanHarrington	623365.5812	7044147.873	UTMZ7N_WGS84	Lithosoil	Brown	Sand	ModerateN	C	50	Dry	Good	ForestBlackSpruce
146238	28/07/2011	JordanHarrington	623331.9071	7044181.143	UTMZ7N_WGS84	Lithosoil	Brown	Sand	ModerateN	C	40	Dry	Good	ForestBlackSpruce
146239	28/07/2011	JordanHarrington	623302.3485	7044221.376	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	60	Dry	Good	ForestBlackSpruce
146241	28/07/2011	JordanHarrington	623275.2209	7044255.457	UTMZ7N_WGS84	Lithosoil	Brown	Sand	SteepNW	C	40	Dry	Good	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
146242	28/07/2011	JordanHarrington	623230.5929	7044282.169	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateW	C	70	Frozen	Good	ForestMixed
146243	28/07/2011	JordanHarrington	623187.2994	7044332.355	UTMZ7N_WGS84	Colluvium	Grey	Silt	SteepW	C	60	Dry	Good	ForestMixed
146244	28/07/2011	JordanHarrington	623157.7544	7044371.028	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	C	80	Dry	Good	ForestBlackSpruce
146245	28/07/2011	JordanHarrington	623088.5136	7044301.21	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	C	80	Frozen	Good	ForestBlackSpruce
146246	28/07/2011	JordanHarrington	623121.2318	7044278.385	UTMZ7N_WGS84	Colluvium	Grey	Silt	DrainageSeasonal	B	50	Frozen	Poor	ForestBlackSpruce
146247	28/07/2011	JordanHarrington	623148.1669	7044229.908	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNW	B	60	Frozen	Poor	ForestBlackSpruce
146248	28/07/2011	JordanHarrington	623179.1082	7044192.515	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Frozen	Poor	ForestBlackSpruce
146249	28/07/2011	JordanHarrington	623212.2364	7044151.416	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	60	Frozen	Poor	ForestBlackSpruce
146250	28/07/2011	JordanHarrington	623245.5977	7044115.902	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	60	Frozen	Poor	ForestBlackSpruce
146251	28/07/2011	JordanHarrington	623277.0178	7044084.218	UTMZ7N_WGS84	Colluvium	Grey	Silt	SteepNW	C	90	Frozen	Good	ForestBlackSpruce
146252	28/07/2011	JordanHarrington	623307.5553	7044047.034	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	C	70	Dry	Good	ForestBlackSpruce
146253	28/07/2011	JordanHarrington	623345.4327	7043990.171	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Dry	Excellent	ForestBlackSpruce
146254	28/07/2011	JordanHarrington	623387.3108	7043972.833	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	80	Dry	Good	ForestBlackSpruce
146255	28/07/2011	JordanHarrington	623418.2783	7043929.756	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Frozen	Good	ForestBlackSpruce
146256	28/07/2011	JordanHarrington	623437.85	7043874.75	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	60	Dry	Excellent	ForestBlackSpruce
146257	28/07/2011	JordanHarrington	623471.684	7043842.603	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	70	Dry	Good	ForestBlackSpruce
146258	28/07/2011	JordanHarrington	623507.3165	7043811.641	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	ForestBlackSpruce
146259	28/07/2011	JordanHarrington	623540.1454	7043770.756	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	80	Frozen	Good	ForestBlackSpruce
146260	28/07/2011	JordanHarrington	623564.3591	7043734.891	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	90	Dry	Excellent	ForestBlackSpruce
146261	28/07/2011	JordanHarrington	623601.6094	7043702.097	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	80	Frozen	Excellent	ForestBlackSpruce
146262	28/07/2011	JordanHarrington	623628.8397	7043657.873	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	60	Frozen	Excellent	ForestBlackSpruce
146263	29/07/2011	JordanHarrington	619372.9047	7046478.526	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	ModerateS	C	30	Moist	Good	ForestMixed
146264	29/07/2011	JordanHarrington	619436.8927	7046395.836	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateS	C	50	Dry	Good	ForestMixed
146265	29/07/2011	JordanHarrington	619477.1231	7046420.878	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateS	C	70	Dry	Excellent	ForestMixed
146266	29/07/2011	JordanHarrington	619423.2204	7046508.073	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	40	Moist	Good	ForestMixed
146267	29/07/2011	JordanHarrington	619444.4216	7046546.675	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	80	Dry	Excellent	ForestMixed
146268	29/07/2011	JordanHarrington	619524.3613	7046471.388	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	60	Moist	Good	ForestMixed
146269	29/07/2011	JordanHarrington	619556.666	7046494.015	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	50	Moist	Excellent	ForestMixed
146270	29/07/2011	JordanHarrington	619492.54	7046576.363	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
146271	29/07/2011	JordanHarrington	619529.1299	7046602.83	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	80	Dry	Excellent	ForestMixed
146272	29/07/2011	JordanHarrington	619589.9686	7046527.162	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	80	Frozen	Good	ForestBlackSpruce
146273	29/07/2011	JordanHarrington	619630.3128	7046561.021	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Dry	Excellent	ForestBlackSpruce
146274	29/07/2011	JordanHarrington	619571.7456	7046631.867	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Frozen	Excellent	ForestBlackSpruce
146275	29/07/2011	JordanHarrington	619604.5165	7046664.549	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Frozen	Good	ForestBlackSpruce
146276	29/07/2011	JordanHarrington	619664.7137	7046599.341	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Excellent	ForestBlackSpruce
146277	29/07/2011	JordanHarrington	619708.5649	7046623.295	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
146278	29/07/2011	JordanHarrington	619651.0018	7046708.453	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist	Good	ForestBlackSpruce
146279	29/07/2011	JordanHarrington	619681.6393	7046727.672	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Excellent	ForestBlackSpruce
146280	29/07/2011	JordanHarrington	619748.8311	7046659.16	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	ForestBlackSpruce
146281	29/07/2011	JordanHarrington	619790.5158	7046689.057	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Moist	Good	ForestBlackSpruce
146282	29/07/2011	JordanHarrington	619727.8555	7046766.772	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
146283	29/07/2011	JordanHarrington	619754.7921	7046797.005	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Frozen	Good	ForestMixed
146284	29/07/2011	JordanHarrington	619817.7225	7046726.661	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
146285	29/07/2011	JordanHarrington	619858.0074	7046752.714	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
146286	29/07/2011	JordanHarrington	619801.4235	7046821.066	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist	Good	ForestMixed
146287	29/07/2011	JordanHarrington	619830.7923	7046864.663	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	DrainageSeasonal	B	50	Frozen	Poor	ForestMixed
146288	29/07/2011	JordanHarrington	619904.3365	7046784.795	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist	Good	ForestBlackSpruce
146289	29/07/2011	JordanHarrington	619942.6528	7046818.136	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	70	Wet	Poor	ForestBlackSpruce
146291	29/07/2011	JordanHarrington	619872.5962	7046880.736	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	40	Frozen	Poor	ForestBlackSpruce
146292	29/07/2011	JordanHarrington	619909.921	7046915.266	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	60	Frozen	Good	ForestMixed
146293	29/07/2011	JordanHarrington	619974.4302	7046846.657	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Moist	Good	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
146294	29/07/2011	JordanHarrington	620022.7106	7046881.044	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Frozen	Poor	ForestBlackSpruce
146295	29/07/2011	JordanHarrington	619953.6933	7046951.712	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Frozen	Poor	ForestBlackSpruce
146296	29/07/2011	JordanHarrington	619989.0401	7046987.172	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Frozen	Poor	ForestBlackSpruce
146297	29/07/2011	JordanHarrington	620051.1725	7046910.334	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Frozen	Good	ForestMixed
146298	29/07/2011	JordanHarrington	620097.7872	7046942.651	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestMixed
146299	29/07/2011	JordanHarrington	620030.5795	7047020.747	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	50	Frozen	Good	ForestBlackSpruce
146300	30/07/2011	JordanHarrington	613608.7697	7046880.007	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestAspen
146301	30/07/2011	JordanHarrington	613668.1969	7046885.476	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestAspen
146302	30/07/2011	JordanHarrington	613713.0333	7046874.478	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	30	Dry	Good	ForestAspen
146303	30/07/2011	JordanHarrington	613767.0425	7046879.754	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Excellent	ForestAspen
146304	30/07/2011	JordanHarrington	613801.068	7046888.555	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
146305	30/07/2011	JordanHarrington	613848.9484	7046882.908	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	80	Frozen	Excellent	ForestMixed
146306	30/07/2011	JordanHarrington	613897.4662	7046885.872	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
146307	30/07/2011	JordanHarrington	613950.4744	7046880.187	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
146308	30/07/2011	JordanHarrington	613994.3741	7046880.088	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
146309	30/07/2011	JordanHarrington	614054.7342	7046880.356	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	80	Dry	Good	ForestMixed
146310	30/07/2011	JordanHarrington	614103.4251	7046882.66	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
146311	30/07/2011	JordanHarrington	614155.3908	7046883.855	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
146312	30/07/2011	JordanHarrington	614204.1617	7046883.933	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	70	Frozen	Good	ForestMixed
146313	30/07/2011	JordanHarrington	614254.2262	7046868.781	UTMZ7N_WGS84	Soil	BrownDark	Silt	DrainageSeasonal	B	50	Moist	Poor	ForestBlackSpruce
146314	30/07/2011	JordanHarrington	614312.4701	7046882.248	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Good	ForestMixed
146315	30/07/2011	JordanHarrington	614361.6444	7046883.57	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Good	ForestMixed
146316	30/07/2011	JordanHarrington	614411.4348	7046870.529	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	60	Moist	Good	ForestMixed
146317	30/07/2011	JordanHarrington	614465.276	7046877.707	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	70	Dry	Good	ForestMixed
146318	30/07/2011	JordanHarrington	614457.351	7046976.225	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Good	ForestMixed
146319	30/07/2011	JordanHarrington	614410.0695	7046987.348	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	70	Dry	Good	ForestMixed
146320	30/07/2011	JordanHarrington	614360.9951	7046974.989	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	70	Dry	Excellent	ForestMixed
146321	30/07/2011	JordanHarrington	614311.1003	7046982.674	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	50	Dry	Good	ForestMixed
146322	30/07/2011	JordanHarrington	614262.9138	7046971.91	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
146323	30/07/2011	JordanHarrington	614216.381	7046971.911	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	50	Dry	Good	ForestMixed
146324	30/07/2011	JordanHarrington	614166.2267	7046977.136	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	30	Dry	Good	ForestMixed
146325	30/07/2011	JordanHarrington	614116.4307	7046980.702	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	70	Dry	Good	ForestMixed
146326	30/07/2011	JordanHarrington	614070.8047	7046980.403	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Moist	Good	ForestMixed
146327	30/07/2011	JordanHarrington	614012.8126	7046965.5	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
146328	30/07/2011	JordanHarrington	613959.1543	7046964.357	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
146329	30/07/2011	JordanHarrington	613911.9496	7046981.735	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
146330	30/07/2011	JordanHarrington	613859.5858	7046981.979	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
146331	30/07/2011	JordanHarrington	613814.7824	7046989.297	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
146332	30/07/2011	JordanHarrington	613762.7492	7046985.874	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
146333	30/07/2011	JordanHarrington	613713.9008	7046982.454	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
146334	30/07/2011	JordanHarrington	613654.9446	7046980.57	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	30	Dry	Good	ForestMixed
146335	30/07/2011	JordanHarrington	613612.2909	7046990.421	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed

Appendix C - Analytical Certificates (Volume III)

2011 Surface Work On the Wounded Moose Property

AM 1 to 280	YD28701 to YD29080
Wam 1 to 99	YD128701 to YD128799
Wam 100	YD128800
Wam 101 to 113	YE31501 to YE31513
Wam 114 to 117	YE31514 to YE31517
Wam 118 to 119	YE31518 to YE31519
Wam 120 to 123	YE31520 to YE31523
Wam 124 to 132	YE31524 to YE31532
Wam 133 to 138	YE31533 to YE31538
Wam 139 to 180	YE31539 to YE31580
Wam 181	YD63785
Wam 182 to 191	YE31582 to YE31591

**Dawson Mining District, Yukon
NTS Sheet 115O10 & 115O07
63°32'N. Lat., 138°39'W. Long.**

Operated by and Recorded to





1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or QC J9P 1S5 Canada

Submitted By: Mark Fekete

Receiving Lab: Canada-Whitehorse

Received: June 22, 2011

Report Date: July 03, 2011

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000282.1

CLIENT JOB INFORMATION

Project: WMOOSE
Shipment ID: 20110617095400
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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Greg Davidson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



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



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Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Taku Gold Corp

680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 Canada

Project:

WMOOSE

Report Date:

July 03, 2011

Page:

2 of 12

Part 1

CERTIFICATE OF ANALYSIS

WHI11000282.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
101063	Soil	0.7	22.2	11.2	79	<0.1	27.8	15.6	524	3.55	9.1	1.2	3.2	9.7	19	0.1	0.5	<0.1	66	0.27	0.083
101064	Soil	0.9	23.7	10.7	64	<0.1	24.2	12.8	425	2.88	11.6	1.6	17.8	8.6	19	<0.1	0.6	<0.1	53	0.23	0.076
101065	Soil	0.9	14.9	9.3	63	<0.1	22.3	11.4	388	3.16	9.5	0.8	3.1	5.6	22	<0.1	0.4	<0.1	61	0.21	0.075
101066	Soil	0.7	27.8	10.4	79	<0.1	32.8	15.6	554	3.70	8.2	1.7	3.7	11.7	20	<0.1	0.4	<0.1	69	0.24	0.066
101067	Soil	0.9	21.3	8.2	65	<0.1	78.6	16.5	466	3.28	7.8	1.4	3.6	9.8	24	<0.1	0.4	<0.1	69	0.31	0.079
101068	Soil	0.6	19.3	12.3	79	<0.1	24.5	15.1	663	3.89	10.7	2.0	2.3	13.8	19	<0.1	0.4	<0.1	76	0.31	0.088
101069	Soil	0.7	23.0	10.0	79	<0.1	27.6	14.6	504	3.58	10.0	1.4	3.4	11.0	18	0.1	0.4	<0.1	66	0.21	0.058
101070	Soil	0.7	18.7	10.3	73	<0.1	26.2	15.4	457	3.56	9.3	1.3	4.6	12.7	14	0.1	0.4	0.1	69	0.20	0.057
101071	Soil	0.7	18.7	9.8	59	<0.1	19.5	10.1	286	2.67	9.0	1.3	4.6	8.6	15	<0.1	0.5	0.1	53	0.15	0.031
101072	Soil	0.6	24.5	11.2	72	<0.1	24.0	12.7	369	2.84	9.6	1.4	4.8	9.7	15	<0.1	0.5	0.1	53	0.15	0.038
101073	Soil	0.9	17.0	10.3	64	<0.1	28.7	11.7	318	2.81	10.7	1.2	2.9	7.6	17	<0.1	0.5	<0.1	56	0.17	0.052
101074	Soil	0.8	22.0	10.0	77	<0.1	25.8	13.3	442	3.24	8.5	1.2	1.9	8.5	27	<0.1	0.5	<0.1	63	0.28	0.055
101075	Soil	0.6	12.8	9.5	84	<0.1	16.2	14.7	560	3.87	4.2	1.0	1.1	11.4	23	<0.1	0.3	<0.1	75	0.44	0.142
101076	Soil	1.7	36.5	13.9	74	<0.1	32.0	15.5	452	3.31	21.2	1.3	4.1	6.5	11	0.1	1.0	0.2	56	0.10	0.034
101077	Soil	0.7	37.3	13.2	84	<0.1	41.5	20.7	574	3.95	7.9	1.5	4.7	20.4	9	<0.1	0.4	0.2	46	0.14	0.045
101078	Soil	1.6	51.1	13.3	75	0.1	34.4	12.3	369	3.29	31.4	1.4	5.7	6.9	10	0.1	1.4	0.2	61	0.09	0.028
101079	Soil	1.9	60.5	24.2	126	0.2	51.9	17.0	885	4.06	253.8	2.9	5.3	18.6	22	0.4	3.6	0.4	36	0.05	0.032
101080	Soil	3.6	44.6	19.9	91	<0.1	32.9	14.8	385	4.00	150.1	1.5	4.2	12.3	9	<0.1	0.8	0.5	45	0.06	0.027
101081	Soil	1.2	25.0	18.0	76	<0.1	22.6	9.5	348	2.96	26.6	1.0	3.5	5.7	11	0.1	0.8	0.2	51	0.08	0.043
101082	Soil	1.3	32.0	13.3	72	<0.1	28.7	11.3	416	2.84	21.8	1.2	4.3	4.1	14	0.2	0.8	0.2	53	0.12	0.048
101083	Soil	1.8	60.5	13.9	99	<0.1	38.9	13.4	659	3.35	34.6	1.7	5.6	9.7	15	0.2	1.2	0.2	50	0.09	0.034
101084	Soil	1.7	57.8	26.7	149	0.2	58.5	19.8	1913	4.38	34.0	1.8	6.4	21.7	12	0.2	1.2	0.3	45	0.18	0.082
101085	Soil	0.6	42.9	15.5	97	<0.1	38.6	17.3	641	3.82	12.9	1.2	3.0	17.4	13	0.1	0.3	0.3	44	0.23	0.066
101086	Soil	1.1	31.7	10.4	76	0.1	25.0	9.9	324	2.74	13.2	1.1	5.3	7.4	14	0.2	0.6	0.2	44	0.16	0.059
101087	Soil	0.6	30.8	11.2	85	<0.1	32.5	15.4	356	3.30	7.6	0.9	2.2	11.4	13	<0.1	0.3	0.2	41	0.19	0.049
101088	Soil	0.8	23.1	6.3	108	<0.1	22.5	18.5	791	4.50	5.1	0.6	1.5	6.0	22	0.1	0.4	<0.1	59	0.45	0.130
101089	Soil	0.8	7.2	10.7	45	<0.1	6.5	4.1	208	1.58	6.4	1.3	1.8	9.2	10	<0.1	0.7	0.2	27	0.14	0.034
101090	Soil	1.1	8.1	13.4	48	<0.1	10.1	3.9	157	1.96	11.1	1.2	0.7	9.6	11	0.1	0.9	0.2	41	0.11	0.032
101091	Soil	0.7	18.0	14.5	70	<0.1	17.1	8.5	381	2.53	8.1	1.2	<0.5	16.3	12	0.1	0.7	0.1	38	0.20	0.078
101092	Soil	1.3	10.8	12.8	67	<0.1	11.8	7.0	331	2.58	7.5	1.2	2.7	13.6	13	0.1	0.7	0.1	46	0.15	0.058



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
101063	Soil	34	50	1.23	244	0.132	<1	2.77	0.009	0.65	0.1	0.04	2.5	0.5	<0.05	6	<0.5	<0.2
101064	Soil	30	36	0.75	225	0.086	1	1.87	0.010	0.24	0.2	0.05	3.5	0.2	<0.05	4	<0.5	<0.2
101065	Soil	16	39	0.88	151	0.108	<1	2.04	0.009	0.40	0.2	0.03	1.8	0.3	<0.05	5	<0.5	0.2
101066	Soil	50	64	1.35	287	0.143	2	2.96	0.010	0.80	0.2	0.05	3.4	0.5	<0.05	7	<0.5	<0.2
101067	Soil	39	220	1.61	292	0.142	<1	2.58	0.009	0.77	0.2	0.02	3.6	0.5	<0.05	7	<0.5	<0.2
101068	Soil	33	49	1.46	295	0.169	<1	2.90	0.010	0.98	0.1	0.02	3.4	0.6	<0.05	8	<0.5	<0.2
101069	Soil	28	44	1.22	255	0.134	1	2.68	0.010	0.81	0.2	0.03	2.8	0.6	<0.05	6	<0.5	<0.2
101070	Soil	16	45	1.22	194	0.135	<1	2.76	0.008	0.67	0.2	0.02	2.7	0.5	<0.05	7	<0.5	0.3
101071	Soil	27	32	0.70	166	0.085	<1	1.79	0.009	0.20	0.2	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
101072	Soil	21	37	0.70	197	0.081	2	2.12	0.010	0.14	0.2	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
101073	Soil	19	52	0.71	169	0.091	1	1.94	0.009	0.15	0.2	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
101074	Soil	29	41	1.10	305	0.129	1	2.41	0.016	0.46	0.1	0.01	2.6	0.4	<0.05	6	<0.5	<0.2
101075	Soil	27	48	1.44	224	0.183	<1	2.92	0.011	1.17	0.2	0.01	2.0	0.5	<0.05	8	<0.5	<0.2
101076	Soil	12	42	0.58	186	0.087	1	2.63	0.009	0.19	0.1	0.04	3.5	0.2	<0.05	6	<0.5	<0.2
101077	Soil	41	41	0.94	272	0.206	<1	2.72	0.008	0.75	<0.1	0.03	3.6	0.5	<0.05	7	<0.5	<0.2
101078	Soil	19	38	0.55	236	0.067	1	2.27	0.007	0.08	0.1	0.08	3.4	0.1	<0.05	6	<0.5	<0.2
101079	Soil	46	27	0.18	209	0.017	3	0.79	0.004	0.07	0.1	0.33	6.3	0.9	<0.05	3	0.8	0.2
101080	Soil	24	40	0.79	186	0.169	3	2.24	0.006	0.74	<0.1	0.02	3.6	0.6	<0.05	7	0.7	<0.2
101081	Soil	18	31	0.51	147	0.072	<1	1.57	0.006	0.20	<0.1	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
101082	Soil	17	34	0.48	249	0.045	<1	1.69	0.008	0.06	0.2	0.15	3.5	0.1	<0.05	5	<0.5	0.5
101083	Soil	30	45	0.52	248	0.068	2	1.44	0.006	0.13	0.1	0.17	4.7	0.2	<0.05	4	<0.5	<0.2
101084	Soil	63	39	0.59	352	0.114	<1	1.58	0.005	0.65	<0.1	0.05	4.6	0.7	<0.05	6	<0.5	<0.2
101085	Soil	55	52	1.01	367	0.217	<1	2.42	0.008	0.94	<0.1	0.04	4.3	0.5	<0.05	8	<0.5	<0.2
101086	Soil	28	40	0.56	201	0.094	<1	1.58	0.007	0.23	0.1	0.05	3.4	0.2	<0.05	5	<0.5	<0.2
101087	Soil	33	36	0.85	210	0.172	2	1.99	0.007	0.65	0.1	0.04	3.0	0.4	<0.05	6	<0.5	<0.2
101088	Soil	45	67	1.83	421	0.215	2	3.02	0.009	1.09	0.1	<0.01	1.5	0.5	<0.05	8	<0.5	<0.2
101089	Soil	12	16	0.36	85	0.060	1	0.98	0.006	0.17	0.2	<0.01	1.5	0.1	<0.05	5	<0.5	<0.2
101090	Soil	12	20	0.35	81	0.064	1	1.17	0.005	0.13	0.2	0.02	1.8	0.1	<0.05	6	<0.5	<0.2
101091	Soil	26	29	0.67	118	0.078	<1	1.76	0.007	0.26	0.3	0.01	2.3	0.2	<0.05	6	<0.5	<0.2
101092	Soil	21	29	0.61	91	0.105	<1	1.50	0.007	0.23	0.8	0.02	1.5	0.2	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
101093	Soil	0.7	13.9	13.2	61	<0.1	14.8	8.4	253	2.28	6.6	1.5	2.8	22.5	13	<0.1	0.7	0.4	36	0.14	0.025
101094	Soil	1.0	10.0	16.7	68	<0.1	12.1	7.0	264	3.06	12.9	1.6	1.2	16.7	10	<0.1	0.7	0.4	55	0.12	0.070
101095	Soil	0.8	11.2	13.5	66	<0.1	12.3	6.9	251	2.65	8.2	1.5	1.4	14.4	11	<0.1	0.8	0.4	40	0.11	0.020
101096	Soil	0.9	7.1	11.5	43	<0.1	8.0	4.6	209	1.46	4.7	1.5	0.7	13.4	13	<0.1	0.5	0.2	24	0.16	0.041
101097	Soil	1.2	17.5	15.7	57	<0.1	16.4	7.4	223	2.44	8.5	2.1	2.8	27.4	13	<0.1	0.8	0.3	42	0.12	0.017
101098	Soil	1.1	14.7	12.6	58	<0.1	16.2	8.7	260	2.54	9.2	1.4	2.4	24.2	12	<0.1	0.6	0.2	43	0.13	0.031
101099	Soil	0.9	9.7	13.1	51	<0.1	9.0	5.8	216	1.69	4.8	1.7	0.8	20.6	11	<0.1	0.7	0.2	26	0.14	0.037
101100	Soil	0.9	14.3	15.3	52	<0.1	13.1	5.7	179	1.94	7.1	1.8	2.3	18.3	16	<0.1	0.6	0.2	35	0.18	0.036
101101	Soil	0.8	16.8	12.1	48	<0.1	13.8	5.4	151	1.86	6.8	1.9	1.6	13.6	16	<0.1	0.5	0.2	35	0.18	0.035
101102	Soil	1.2	16.4	18.3	53	<0.1	14.4	4.3	154	1.64	10.2	1.4	1.0	11.4	12	<0.1	0.4	0.3	17	0.05	0.009
101103	Soil	1.3	28.7	20.3	78	<0.1	35.5	9.8	367	2.88	9.7	1.7	1.7	14.7	11	<0.1	0.5	0.4	27	0.06	0.019
101104	Soil	1.1	14.6	14.6	41	<0.1	11.2	5.7	199	2.16	10.3	0.8	0.9	6.8	11	<0.1	0.5	0.2	32	0.07	0.039
101105	Soil	0.5	18.4	13.3	50	<0.1	13.6	6.3	149	1.91	8.4	1.5	0.8	17.4	6	<0.1	0.5	0.2	26	0.04	0.009
101106	Soil	1.3	23.9	16.1	61	<0.1	23.4	8.9	270	3.29	14.1	1.1	2.0	8.8	11	<0.1	0.8	0.3	67	0.07	0.019
101107	Soil	1.1	22.1	21.7	77	<0.1	17.0	5.9	199	2.66	10.4	1.9	1.5	16.8	8	0.1	0.8	0.3	38	0.05	0.013
101108	Soil	1.0	30.2	19.7	62	<0.1	28.0	7.8	211	2.60	11.7	1.5	2.0	13.7	14	0.1	0.7	0.4	41	0.09	0.020
101109	Soil	0.8	26.2	18.3	68	<0.1	24.7	7.4	353	2.24	10.2	1.2	2.6	12.9	10	<0.1	0.5	0.3	33	0.08	0.012
101110	Soil	1.0	42.2	14.6	104	0.1	49.0	10.4	239	4.26	7.1	1.1	0.7	11.2	11	0.1	0.4	0.3	78	0.08	0.018
101111	Soil	1.3	30.5	16.2	75	<0.1	33.1	9.9	254	3.20	13.7	1.2	1.3	9.3	12	<0.1	0.9	0.3	54	0.10	0.017
101112	Soil	1.5	13.8	21.7	87	<0.1	12.5	4.9	190	2.55	7.7	2.9	5.4	11.5	5	0.2	0.5	0.3	25	0.03	0.031
101113	Soil	1.1	34.5	21.0	92	<0.1	38.1	9.4	350	4.25	4.5	3.1	<0.5	21.5	16	<0.1	0.5	0.4	37	0.13	0.020
101114	Soil	0.8	80.2	12.3	128	<0.1	144.6	31.5	1130	6.55	13.4	0.8	2.3	6.9	40	0.1	0.5	0.2	113	0.38	0.058
101115	Soil	1.0	64.1	13.8	110	<0.1	149.1	26.0	1197	5.65	11.9	0.8	2.2	8.1	40	0.2	0.5	0.2	98	0.38	0.055
101116	Soil	0.7	61.5	6.8	70	0.1	77.4	17.5	812	3.99	12.1	0.4	<0.5	3.1	19	<0.1	0.3	0.1	95	0.75	0.064
101117	Soil	1.2	10.2	9.9	77	<0.1	36.8	8.3	570	3.27	14.7	0.9	<0.5	10.4	17	<0.1	0.2	0.3	40	0.47	0.020
101118	Soil	0.6	23.9	12.0	61	0.1	21.2	11.0	370	3.14	9.9	0.8	1.8	8.7	27	<0.1	0.8	0.2	58	0.44	0.067
101119	Soil	0.5	33.7	29.9	89	<0.1	29.1	14.4	595	3.46	4.5	1.7	1.6	18.5	13	<0.1	0.7	0.8	30	0.16	0.024
101120	Soil	1.0	21.7	14.2	42	<0.1	17.1	6.6	177	2.11	10.2	1.5	1.7	10.0	16	<0.1	1.1	0.3	41	0.12	0.012
101121	Soil	1.7	33.5	17.0	65	<0.1	30.7	9.4	321	2.87	13.9	1.5	3.7	10.0	22	<0.1	1.1	0.3	64	0.19	0.018
101122	Soil	1.3	36.3	13.1	63	<0.1	28.5	9.6	284	3.04	14.4	1.2	4.9	6.8	21	<0.1	1.0	0.2	62	0.18	0.017



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
101093	Soil	46	27	0.57	111	0.092	<1	1.73	0.008	0.15	0.2	0.03	1.9	0.2	<0.05	5	<0.5	0.3
101094	Soil	32	28	0.70	97	0.140	2	1.92	0.005	0.24	0.4	0.03	2.0	0.3	<0.05	8	<0.5	<0.2
101095	Soil	19	27	0.74	118	0.120	<1	1.93	0.005	0.19	0.3	0.01	2.0	0.3	<0.05	7	<0.5	<0.2
101096	Soil	28	17	0.42	95	0.069	1	1.05	0.004	0.15	0.2	<0.01	1.3	0.2	<0.05	5	<0.5	<0.2
101097	Soil	72	31	0.46	156	0.065	<1	1.70	0.006	0.05	0.2	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
101098	Soil	26	30	0.50	132	0.065	1	1.63	0.006	0.06	0.2	0.01	2.1	0.1	<0.05	5	<0.5	<0.2
101099	Soil	21	18	0.42	79	0.089	<1	1.16	0.004	0.18	0.3	0.01	1.3	0.2	<0.05	4	<0.5	<0.2
101100	Soil	36	22	0.41	174	0.079	<1	1.30	0.006	0.09	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
101101	Soil	30	23	0.38	187	0.069	<1	1.19	0.006	0.05	0.2	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
101102	Soil	14	13	0.14	865	0.006	1	0.62	0.002	0.08	<0.1	0.05	2.1	0.1	<0.05	3	0.6	<0.2
101103	Soil	29	27	0.18	332	0.009	<1	0.83	0.002	0.13	<0.1	0.06	4.6	0.1	<0.05	4	<0.5	<0.2
101104	Soil	22	17	0.25	178	0.015	<1	0.93	0.003	0.10	<0.1	0.01	1.7	0.1	<0.05	3	<0.5	<0.2
101105	Soil	27	14	0.24	130	0.021	1	0.92	0.004	0.09	<0.1	<0.01	3.0	0.1	<0.05	3	<0.5	<0.2
101106	Soil	23	41	0.46	261	0.076	<1	2.15	0.008	0.08	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
101107	Soil	39	26	0.28	153	0.047	<1	1.30	0.005	0.08	<0.1	0.02	5.0	0.2	<0.05	4	<0.5	<0.2
101108	Soil	43	31	0.31	236	0.036	<1	1.27	0.004	0.07	0.1	0.04	4.6	0.2	<0.05	4	<0.5	<0.2
101109	Soil	27	27	0.34	210	0.033	<1	1.15	0.004	0.06	<0.1	0.02	3.0	0.1	<0.05	4	0.5	<0.2
101110	Soil	26	78	0.66	375	0.073	<1	1.83	0.005	0.39	<0.1	0.03	4.9	0.4	<0.05	8	<0.5	<0.2
101111	Soil	15	45	0.48	193	0.056	<1	1.47	0.005	0.11	0.1	0.01	3.6	0.1	<0.05	5	<0.5	<0.2
101112	Soil	8	15	0.14	109	0.014	<1	0.80	0.003	0.09	<0.1	<0.01	2.5	0.1	<0.05	4	<0.5	<0.2
101113	Soil	57	33	0.30	264	0.022	<1	0.93	0.003	0.24	<0.1	0.04	4.8	0.5	<0.05	5	<0.5	<0.2
101114	Soil	21	46	0.40	562	0.004	1	1.19	0.004	0.16	<0.1	0.06	16.2	0.7	<0.05	5	<0.5	<0.2
101115	Soil	24	57	0.39	516	0.004	2	1.11	0.005	0.15	<0.1	0.08	13.3	0.6	<0.05	4	<0.5	<0.2
101116	Soil	8	80	2.04	401	0.050	<1	2.78	0.010	0.18	<0.1	0.01	11.4	0.1	<0.05	9	<0.5	<0.2
101117	Soil	7	83	1.42	363	0.087	<1	2.47	0.004	0.23	0.1	<0.01	4.5	0.3	<0.05	11	<0.5	<0.2
101118	Soil	26	32	0.72	277	0.086	<1	1.62	0.013	0.10	0.2	0.05	6.6	0.3	<0.05	6	<0.5	<0.2
101119	Soil	35	30	0.56	222	0.093	<1	1.35	0.004	0.40	<0.1	0.03	4.8	0.3	<0.05	6	<0.5	<0.2
101120	Soil	22	22	0.33	247	0.046	<1	1.29	0.005	0.03	<0.1	0.05	3.0	<0.1	<0.05	4	<0.5	<0.2
101121	Soil	26	33	0.40	457	0.073	<1	2.15	0.009	0.05	0.1	0.19	4.8	0.2	<0.05	7	<0.5	<0.2
101122	Soil	20	35	0.46	421	0.083	<1	1.88	0.009	0.05	0.1	0.06	5.4	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
101123	Soil	1.1	32.1	12.6	56	<0.1	23.9	8.6	254	2.65	14.4	1.6	4.6	10.3	23	<0.1	1.0	0.2	50	0.22	0.015
101124	Soil	0.9	27.2	13.6	55	<0.1	20.1	8.1	232	2.82	15.6	1.9	4.7	8.7	18	<0.1	1.0	0.2	51	0.14	0.014
101125	Soil	1.1	11.3	14.3	44	<0.1	9.2	4.3	242	1.75	9.3	5.1	1.8	33.2	10	<0.1	0.9	0.1	22	0.09	0.020
101126	Soil	1.2	27.3	12.6	58	<0.1	19.9	8.1	249	2.81	12.6	2.9	3.0	10.6	24	<0.1	1.0	0.2	51	0.24	0.037
101127	Soil	1.7	22.6	13.3	79	<0.1	15.8	9.6	334	3.57	8.7	5.4	1.8	28.5	14	<0.1	0.9	0.2	49	0.12	0.030
101128	Soil	2.5	16.3	16.1	61	<0.1	16.8	9.2	159	3.76	13.1	1.8	1.5	24.6	9	<0.1	0.9	0.2	46	0.06	0.028
101129	Soil	3.9	13.7	17.9	97	<0.1	15.6	10.8	198	4.62	11.3	4.1	3.4	37.4	8	<0.1	1.6	0.2	38	0.07	0.076
101130	Soil	1.3	14.9	14.6	58	<0.1	15.4	7.1	261	2.95	10.1	1.9	3.4	16.3	9	<0.1	0.8	0.2	50	0.08	0.012
101131	Soil	0.9	25.4	13.6	57	<0.1	20.4	8.8	348	2.90	10.9	2.5	4.5	13.8	13	<0.1	0.7	0.2	52	0.12	0.022
101132	Soil	1.7	26.2	16.0	61	<0.1	22.6	8.3	354	3.28	15.9	3.3	7.1	24.2	11	<0.1	0.9	0.3	60	0.12	0.030
101133	Soil	1.9	17.0	16.7	62	0.3	18.1	7.6	472	3.19	12.3	1.7	4.0	16.2	13	0.1	0.9	0.4	59	0.12	0.031
101134	Soil	1.3	29.3	15.9	69	<0.1	24.2	8.9	251	3.17	12.2	2.7	4.4	14.4	13	<0.1	1.0	0.3	55	0.10	0.017
101135	Soil	1.3	14.0	18.1	87	<0.1	19.4	11.4	393	3.70	8.0	1.8	1.5	31.9	10	<0.1	0.5	1.2	60	0.09	0.030
101136	Soil	1.3	15.0	17.9	72	<0.1	18.7	7.5	226	2.77	9.9	1.2	1.0	16.1	9	0.2	0.8	0.4	45	0.07	0.017
101137	Soil	1.6	30.1	16.8	68	<0.1	18.7	7.8	316	3.16	11.6	2.7	4.0	22.5	14	<0.1	1.1	0.3	54	0.10	0.014
101138	Soil	1.2	11.5	20.9	64	0.2	13.9	10.3	438	3.27	8.2	1.2	<0.5	9.4	10	<0.1	0.6	0.2	49	0.15	0.056
101139	Soil	1.4	14.7	15.1	47	<0.1	20.0	5.8	179	2.44	8.9	1.5	1.6	15.0	8	0.1	0.7	0.5	47	0.06	0.021
101140	Soil	0.9	20.2	12.6	45	0.1	18.8	7.4	231	2.66	9.7	1.9	7.7	6.9	14	<0.1	0.6	0.2	59	0.13	0.014
101141	Soil	1.9	26.0	14.8	53	0.2	23.1	8.8	282	3.20	11.3	1.5	4.6	5.7	12	<0.1	0.7	0.2	76	0.14	0.037
101142	Soil	1.8	25.7	13.9	56	<0.1	25.7	11.2	371	2.96	10.9	2.4	2.3	8.2	15	<0.1	0.9	0.2	66	0.11	0.027
101143	Soil	1.8	21.5	13.6	50	0.1	19.0	8.1	267	3.13	12.5	1.5	2.9	5.7	12	<0.1	0.8	0.2	74	0.10	0.023
101144	Soil	1.3	35.9	13.5	72	<0.1	30.8	10.5	235	3.10	13.2	1.5	4.2	10.9	14	<0.1	1.0	0.2	66	0.11	0.014
101145	Soil	1.4	14.5	12.7	51	<0.1	19.2	6.7	197	2.83	12.1	1.1	1.8	6.0	10	<0.1	0.9	0.2	59	0.08	0.025
101146	Soil	1.2	17.5	13.4	53	0.1	16.9	6.3	198	2.34	8.1	2.3	3.5	8.8	13	0.1	0.7	0.2	54	0.10	0.028
103113	Soil	0.9	16.6	8.5	59	0.1	20.2	8.5	227	1.87	10.5	6.4	1.9	5.1	22	0.1	1.2	0.1	38	0.36	0.068
103114	Soil	0.7	11.2	6.4	53	<0.1	16.1	8.0	558	1.85	13.1	4.1	1.0	4.9	19	0.1	1.0	<0.1	31	0.33	0.064
103115	Soil	1.0	19.1	9.6	66	0.1	22.3	11.8	994	2.47	22.2	9.7	3.7	5.9	25	0.3	1.4	0.1	39	0.47	0.072
103116	Soil	0.8	16.3	7.8	66	0.1	21.2	9.7	438	2.05	11.8	5.7	1.8	5.2	25	0.2	1.1	0.1	37	0.43	0.072
103117	Soil	0.7	13.1	7.3	56	<0.1	17.1	8.3	411	2.05	15.2	4.8	1.8	5.0	21	0.2	1.0	0.1	34	0.38	0.069
103118	Soil	0.8	12.7	7.4	54	<0.1	18.0	8.8	589	1.92	13.6	4.8	0.9	5.2	18	0.2	1.3	0.1	33	0.31	0.066



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
101123	Soil	27	31	0.46	405	0.071	<1	1.45	0.009	0.06	0.2	0.07	4.8	0.1	<0.05	5	<0.5	<0.2
101124	Soil	23	31	0.46	294	0.067	<1	1.46	0.008	0.05	0.2	0.08	5.0	<0.1	<0.05	4	<0.5	<0.2
101125	Soil	61	12	0.23	144	0.044	<1	0.77	0.005	0.15	<0.1	0.07	3.0	0.3	<0.05	4	<0.5	<0.2
101126	Soil	26	32	0.47	362	0.066	<1	1.52	0.009	0.06	0.2	0.05	5.4	0.1	<0.05	5	0.6	<0.2
101127	Soil	82	23	0.44	197	0.119	<1	1.79	0.007	0.44	0.1	0.05	6.9	0.4	<0.05	9	0.7	<0.2
101128	Soil	45	24	0.37	150	0.041	<1	2.06	0.005	0.10	<0.1	0.04	4.5	0.2	<0.05	7	<0.5	<0.2
101129	Soil	100	17	0.29	114	0.026	<1	1.98	0.006	0.32	<0.1	0.09	4.2	0.4	<0.05	9	1.2	<0.2
101130	Soil	30	31	0.46	176	0.066	<1	1.89	0.007	0.07	0.2	0.04	3.6	0.2	<0.05	6	0.8	<0.2
101131	Soil	39	33	0.49	281	0.052	<1	1.88	0.014	0.06	0.2	0.04	4.6	0.1	<0.05	5	0.6	<0.2
101132	Soil	35	37	0.49	238	0.051	<1	2.10	0.008	0.06	0.2	0.10	3.9	0.1	<0.05	6	1.0	<0.2
101133	Soil	42	34	0.44	242	0.044	<1	1.71	0.006	0.08	0.2	0.06	3.8	0.2	<0.05	7	<0.5	<0.2
101134	Soil	50	37	0.54	290	0.061	<1	2.01	0.008	0.06	0.2	0.08	5.8	0.2	<0.05	6	0.5	<0.2
101135	Soil	22	48	0.79	164	0.150	1	2.49	0.007	0.55	0.3	0.02	5.8	0.8	<0.05	11	<0.5	<0.2
101136	Soil	16	29	0.47	161	0.054	<1	2.11	0.006	0.10	0.2	0.03	3.7	0.3	<0.05	6	<0.5	<0.2
101137	Soil	56	38	0.45	243	0.076	<1	1.89	0.010	0.09	0.2	0.08	7.5	0.2	<0.05	7	1.1	<0.2
101138	Soil	18	29	0.61	189	0.136	<1	1.74	0.006	0.37	0.2	0.02	3.4	0.3	<0.05	7	0.8	<0.2
101139	Soil	14	29	0.31	138	0.043	<1	1.64	0.005	0.06	0.2	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
101140	Soil	20	35	0.47	281	0.060	<1	1.78	0.011	0.04	0.2	0.03	4.8	<0.1	<0.05	5	0.8	<0.2
101141	Soil	14	41	0.42	337	0.049	<1	2.70	0.008	0.05	0.2	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
101142	Soil	25	40	0.47	301	0.063	<1	2.24	0.010	0.05	0.2	0.03	5.6	0.2	<0.05	6	0.5	<0.2
101143	Soil	18	42	0.48	292	0.063	1	2.23	0.009	0.06	0.2	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
101144	Soil	19	39	0.59	284	0.058	1	2.20	0.010	0.06	0.2	0.04	4.5	0.1	<0.05	6	0.6	<0.2
101145	Soil	14	28	0.37	170	0.047	<1	1.63	0.005	0.05	0.2	0.02	2.4	<0.1	<0.05	6	0.5	<0.2
101146	Soil	37	28	0.35	248	0.043	<1	1.75	0.007	0.05	0.1	0.06	3.2	0.1	<0.05	6	0.8	<0.2
103113	Soil	19	25	0.42	325	0.055	<1	1.10	0.012	0.07	0.4	0.06	2.8	0.1	<0.05	4	0.7	<0.2
103114	Soil	16	20	0.34	239	0.043	<1	0.78	0.009	0.07	0.3	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
103115	Soil	22	24	0.41	370	0.045	<1	0.94	0.009	0.08	0.3	0.06	2.8	0.1	<0.05	3	1.0	<0.2
103116	Soil	18	24	0.45	292	0.053	<1	1.05	0.012	0.08	0.4	0.06	2.6	0.1	<0.05	3	0.9	<0.2
103117	Soil	17	22	0.38	264	0.048	<1	0.89	0.011	0.07	0.4	0.06	2.2	<0.1	<0.05	3	0.8	<0.2
103118	Soil	15	21	0.35	240	0.045	<1	0.82	0.009	0.07	0.2	0.04	2.2	0.1	<0.05	3	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
103119	Soil	0.8	11.2	6.3	47	<0.1	16.0	7.0	414	1.62	10.8	4.1	2.0	5.1	17	0.1	1.1	<0.1	31	0.33	0.068
103120	Soil	0.8	12.0	8.1	54	<0.1	18.3	8.8	596	1.92	12.6	4.5	1.6	5.2	19	0.2	1.1	<0.1	33	0.34	0.064
103121	Soil	0.9	13.9	8.0	56	<0.1	18.0	9.1	680	1.99	14.4	6.9	5.7	5.2	21	0.2	1.2	0.1	35	0.37	0.070
103122	Soil	0.3	12.0	9.0	57	0.1	14.5	5.2	255	1.65	5.2	2.0	3.2	7.3	27	0.1	0.5	0.1	29	0.51	0.063
103123	Soil	1.2	12.8	14.1	69	<0.1	17.8	13.6	1310	3.23	19.4	2.1	1.4	9.2	29	0.2	0.6	0.2	36	0.63	0.071
103124	Soil	1.7	19.3	14.6	70	0.1	27.0	13.3	1175	2.57	21.9	7.7	1.9	5.7	22	0.3	1.7	0.1	43	0.40	0.075
103125	Soil	0.8	19.0	8.7	69	0.1	22.1	9.9	498	2.16	12.8	7.5	3.3	5.2	24	0.3	1.2	0.1	39	0.43	0.071
103126	Soil	1.0	15.5	9.5	59	<0.1	19.4	10.0	719	2.38	21.4	6.7	2.1	5.2	22	0.2	1.3	0.1	38	0.40	0.069
103127	Soil	1.1	14.5	9.0	55	<0.1	18.0	9.9	644	2.15	16.7	6.3	2.8	5.0	21	0.2	1.3	0.1	36	0.39	0.071
103128	Soil	1.3	19.4	9.4	66	0.1	23.5	12.0	1045	2.56	21.5	8.1	4.5	5.4	23	0.4	1.6	0.1	40	0.42	0.068
103129	Soil	1.2	17.4	12.8	67	<0.1	23.8	11.0	708	2.44	19.2	7.1	1.3	5.2	23	0.2	1.3	0.1	38	0.40	0.069
103130	Soil	0.9	18.3	8.5	67	0.1	20.8	9.6	450	2.01	11.6	7.0	9.6	5.0	22	0.3	1.0	0.2	37	0.40	0.064
103131	Soil	1.6	16.9	10.3	58	<0.1	21.2	8.9	461	1.98	18.9	4.9	17.4	5.4	16	0.2	1.6	0.1	33	0.30	0.061
103132	Soil	0.9	13.8	7.4	56	<0.1	17.8	7.7	293	1.69	12.5	4.3	12.4	4.8	15	0.2	1.0	0.1	30	0.29	0.061
103133	Soil	1.1	21.4	11.2	73	0.1	25.9	11.5	611	2.33	17.8	8.4	4.5	5.1	21	0.3	1.4	0.2	38	0.41	0.066
103134	Soil	1.1	20.4	10.0	72	0.1	24.8	11.3	586	2.22	14.3	8.4	2.4	5.0	23	0.3	1.2	0.2	41	0.47	0.067
103135	Soil	1.0	19.8	9.9	82	0.1	25.2	12.4	780	2.49	13.6	7.3	3.0	4.8	25	0.4	1.0	0.1	43	0.49	0.075
103136	Soil	0.8	17.1	7.9	71	0.1	22.3	9.1	295	2.01	8.9	7.7	1.0	4.2	23	0.3	0.8	0.1	39	0.40	0.067
103137	Soil	1.1	12.2	12.0	59	0.1	14.7	9.7	404	1.90	11.6	1.4	21.0	5.4	16	0.2	0.8	0.2	39	0.25	0.064
103138	Soil	0.9	15.5	8.7	61	0.1	20.7	8.8	403	1.90	9.6	8.2	2.8	4.7	21	0.3	0.9	0.1	36	0.38	0.072
104157	Soil	1.5	39.2	12.9	89	<0.1	31.8	12.0	439	3.03	12.3	2.3	4.6	7.0	23	0.1	1.1	0.2	61	0.25	0.046
104158	Soil	1.2	27.8	10.7	64	<0.1	19.6	7.8	234	2.58	9.6	1.8	2.0	6.7	13	0.1	1.0	0.2	52	0.14	0.039
104159	Soil	1.5	18.8	9.3	74	<0.1	15.4	10.2	321	3.11	5.3	1.6	<0.5	7.2	12	0.1	0.7	0.2	60	0.16	0.042
104160	Soil	1.3	20.8	12.2	101	<0.1	16.8	10.6	565	3.01	9.5	3.6	6.2	13.9	12	0.2	0.6	0.4	41	0.16	0.068
104161	Soil	1.4	34.4	10.3	115	<0.1	25.9	15.4	577	3.61	10.3	3.6	2.3	10.7	17	0.2	0.6	0.3	56	0.16	0.049
104162	Soil	0.8	13.9	9.4	48	<0.1	16.8	10.3	332	3.07	6.8	1.3	2.0	3.5	11	<0.1	0.5	0.2	51	0.12	0.041
104163	Soil	0.8	21.4	9.3	59	<0.1	23.1	11.0	329	2.89	7.5	3.1	3.2	10.1	15	<0.1	0.6	0.2	51	0.18	0.040
104164	Soil	0.7	19.9	8.6	58	<0.1	19.5	10.9	424	3.02	7.7	1.4	2.6	5.0	17	<0.1	0.6	0.1	50	0.26	0.084
104165	Soil	0.7	18.7	9.0	58	<0.1	18.3	9.8	377	2.84	7.8	1.6	4.5	5.7	18	<0.1	0.7	0.2	51	0.24	0.071
104166	Soil	0.4	15.5	3.1	75	<0.1	19.7	21.3	772	4.50	3.8	1.7	0.8	6.0	22	<0.1	0.3	<0.1	98	0.51	0.116



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
103119	Soil	16	20	0.32	216	0.039	<1	0.73	0.008	0.06	0.4	0.04	2.0	<0.1	<0.05	3	0.5	<0.2
103120	Soil	16	22	0.35	237	0.048	<1	0.81	0.009	0.08	0.4	0.03	2.1	0.1	<0.05	3	0.7	<0.2
103121	Soil	18	23	0.37	273	0.046	<1	0.89	0.009	0.07	0.5	0.06	2.3	<0.1	<0.05	3	0.7	<0.2
103122	Soil	24	21	0.41	248	0.046	<1	1.10	0.010	0.08	0.4	0.07	2.6	0.1	<0.05	4	<0.5	<0.2
103123	Soil	35	24	0.51	291	0.047	<1	1.15	0.008	0.17	0.2	0.08	2.9	0.3	0.06	5	1.1	<0.2
103124	Soil	19	32	0.40	329	0.044	<1	0.92	0.010	0.08	0.5	0.05	2.8	0.1	<0.05	3	1.4	<0.2
103125	Soil	20	26	0.47	300	0.054	<1	1.11	0.012	0.08	0.3	0.07	2.8	0.1	<0.05	4	1.0	<0.2
103126	Soil	18	23	0.36	291	0.048	<1	0.88	0.011	0.06	0.4	0.06	2.6	<0.1	<0.05	3	0.7	<0.2
103127	Soil	18	24	0.35	270	0.045	<1	0.82	0.009	0.06	0.4	0.05	2.3	<0.1	<0.05	3	1.5	<0.2
103128	Soil	20	26	0.39	322	0.044	<1	0.96	0.010	0.07	0.3	0.06	2.7	0.1	<0.05	3	1.2	<0.2
103129	Soil	18	26	0.40	296	0.047	<1	0.95	0.012	0.07	0.3	0.05	2.6	0.1	<0.05	3	1.0	<0.2
103130	Soil	18	25	0.37	270	0.048	2	0.99	0.009	0.07	0.3	0.05	2.8	0.1	<0.05	3	1.0	<0.2
103131	Soil	16	25	0.26	219	0.038	1	0.70	0.007	0.06	0.3	0.03	2.5	0.1	<0.05	2	0.7	<0.2
103132	Soil	14	20	0.27	202	0.039	2	0.75	0.006	0.06	0.4	0.04	2.2	0.1	<0.05	2	<0.5	<0.2
103133	Soil	19	27	0.37	295	0.042	3	0.98	0.009	0.07	0.3	0.05	2.8	0.1	<0.05	3	1.1	<0.2
103134	Soil	18	31	0.46	315	0.051	2	1.03	0.010	0.08	0.3	0.06	3.0	0.1	<0.05	3	1.1	<0.2
103135	Soil	21	29	0.48	284	0.051	2	1.15	0.012	0.08	0.2	0.06	3.3	0.1	<0.05	3	1.4	<0.2
103136	Soil	17	25	0.42	287	0.052	2	1.06	0.011	0.07	0.2	0.04	2.6	0.1	<0.05	3	1.0	<0.2
103137	Soil	18	22	0.31	198	0.042	<1	1.04	0.006	0.05	0.6	0.08	2.5	0.1	<0.05	3	<0.5	<0.2
103138	Soil	18	24	0.34	253	0.047	<1	0.93	0.009	0.06	0.4	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
104157	Soil	33	38	0.61	429	0.058	2	1.78	0.011	0.07	0.2	0.09	4.9	<0.1	<0.05	5	<0.5	<0.2
104158	Soil	45	28	0.49	184	0.057	2	1.61	0.008	0.05	0.2	0.07	3.0	<0.1	<0.05	5	0.6	<0.2
104159	Soil	23	43	1.16	290	0.098	1	2.38	0.008	0.41	0.2	0.02	3.8	0.2	<0.05	8	0.7	<0.2
104160	Soil	43	31	0.71	181	0.094	<1	1.71	0.006	0.33	0.2	0.02	3.3	0.2	<0.05	6	0.6	<0.2
104161	Soil	52	45	1.16	334	0.148	<1	2.45	0.007	0.59	<0.1	0.04	3.5	0.3	<0.05	6	0.5	<0.2
104162	Soil	28	40	0.85	155	0.084	1	2.06	0.006	0.34	0.1	0.03	2.3	0.3	<0.05	7	<0.5	<0.2
104163	Soil	45	42	0.78	284	0.104	1	1.84	0.008	0.26	0.2	0.03	4.3	0.2	<0.05	6	<0.5	<0.2
104164	Soil	24	31	0.73	352	0.102	<1	1.76	0.007	0.30	0.2	0.03	3.8	0.2	<0.05	5	0.6	<0.2
104165	Soil	26	31	0.67	330	0.095	1	1.75	0.011	0.23	0.2	0.03	3.8	0.2	<0.05	5	<0.5	<0.2
104166	Soil	31	91	1.82	476	0.218	1	2.72	0.013	1.22	0.2	<0.01	5.7	0.5	<0.05	9	0.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
104167	Soil	0.6	22.9	9.8	62	<0.1	19.4	9.9	321	3.02	9.4	1.6	3.0	5.4	12	<0.1	0.6	0.2	60	0.13	0.068
104168	Soil	0.9	13.7	10.3	53	<0.1	14.9	8.1	250	2.74	9.6	1.4	2.9	6.1	11	<0.1	0.5	0.2	53	0.11	0.047
104169	Soil	0.6	19.0	6.0	68	<0.1	23.9	19.7	618	3.82	5.7	2.0	2.0	6.9	16	<0.1	0.5	<0.1	77	0.35	0.104
104170	Soil	0.4	16.4	4.5	51	<0.1	17.7	11.8	385	2.80	2.6	2.7	<0.5	12.3	10	<0.1	0.3	<0.1	60	0.22	0.055
104171	Soil	0.5	14.6	6.6	56	<0.1	16.9	12.0	512	3.24	5.2	2.1	1.7	7.9	16	<0.1	0.4	<0.1	63	0.28	0.087
104172	Soil	0.7	13.9	6.6	50	<0.1	27.8	11.2	373	2.70	4.4	3.0	1.0	10.2	11	<0.1	0.3	<0.1	48	0.15	0.046
104173	Soil	0.9	16.3	8.9	54	<0.1	18.5	12.3	391	3.12	8.5	1.4	1.2	6.9	12	<0.1	0.7	0.2	60	0.14	0.038
104174	Soil	0.7	12.3	5.6	52	<0.1	15.1	13.2	476	3.01	4.8	1.8	0.9	8.6	15	<0.1	0.4	<0.1	62	0.26	0.082
104175	Soil	1.5	34.8	12.6	62	<0.1	25.1	10.6	358	3.04	12.3	2.5	2.6	12.5	13	<0.1	1.0	0.2	57	0.10	0.019
104176	Soil	0.6	15.3	12.3	47	<0.1	14.1	6.1	294	2.15	4.4	2.2	1.9	23.4	16	<0.1	0.5	0.2	29	0.15	0.019
104177	Soil	0.8	17.6	10.8	60	<0.1	19.0	9.2	312	2.67	9.2	2.3	5.2	14.7	12	<0.1	0.5	0.2	47	0.15	0.059
104178	Soil	0.5	10.6	6.8	45	<0.1	15.0	11.0	321	2.76	5.3	1.4	0.6	12.6	12	<0.1	0.4	<0.1	41	0.14	0.022
104179	Soil	0.8	9.3	7.0	39	<0.1	11.4	6.0	222	2.19	4.7	0.9	1.8	9.0	10	<0.1	0.4	0.1	36	0.12	0.025
104180	Soil	0.5	23.2	6.1	110	<0.1	11.8	18.3	812	5.62	4.5	2.5	0.5	9.6	23	<0.1	0.3	<0.1	89	0.51	0.159
104181	Soil	0.9	16.8	8.4	58	<0.1	15.4	9.9	313	3.26	9.6	1.4	1.9	7.2	10	<0.1	0.6	0.1	62	0.16	0.049
104182	Soil	1.1	14.4	9.9	61	<0.1	18.9	12.1	453	3.32	9.9	1.3	5.2	6.8	12	0.1	0.6	0.2	58	0.15	0.046
104183	Soil	0.8	11.8	8.8	46	<0.1	13.0	7.4	262	2.47	8.1	1.3	2.7	5.0	11	<0.1	0.4	0.2	49	0.15	0.051
104184	Soil	0.7	13.7	8.3	52	<0.1	16.0	10.0	329	3.15	8.2	1.0	1.8	6.0	13	<0.1	0.5	0.2	64	0.18	0.044
104185	Soil	0.7	9.3	4.6	72	<0.1	30.2	16.3	745	4.01	2.6	2.1	0.8	13.5	18	<0.1	0.2	<0.1	69	0.25	0.079
104186	Soil	0.8	16.3	8.5	43	<0.1	18.9	7.9	245	2.54	6.8	2.6	2.2	5.7	14	0.1	0.4	0.2	46	0.14	0.056
104187	Soil	0.7	11.6	6.6	49	<0.1	20.6	10.0	338	2.94	6.7	1.5	2.4	8.3	12	<0.1	0.5	0.1	48	0.13	0.030
104188	Soil	0.5	10.7	6.2	50	<0.1	15.6	9.7	347	2.78	5.7	2.4	<0.5	8.7	17	0.1	0.4	0.2	44	0.18	0.039
104189	Soil	0.7	12.7	7.7	58	<0.1	17.6	9.7	337	2.88	7.6	1.4	3.9	7.9	11	0.1	0.4	0.1	52	0.13	0.023
104190	Soil	0.9	13.2	8.1	58	<0.1	17.4	9.3	318	2.70	8.1	1.7	5.4	8.0	12	<0.1	0.5	0.1	51	0.13	0.021
104191	Soil	1.1	23.1	9.7	67	<0.1	23.6	11.7	405	3.08	11.1	2.4	3.9	9.0	15	<0.1	0.8	0.2	57	0.14	0.017
104192	Soil	0.7	12.7	8.0	62	<0.1	15.0	8.8	343	2.74	7.7	1.7	2.4	6.5	14	0.1	0.4	0.1	50	0.16	0.039
104193	Soil	1.0	11.8	22.2	111	<0.1	51.8	20.3	534	6.04	2.8	2.1	<0.5	32.4	9	<0.1	0.4	0.2	50	0.13	0.043
104194	Soil	1.0	27.5	16.6	83	<0.1	36.8	16.1	292	3.91	5.8	1.0	1.1	12.2	11	<0.1	0.3	0.4	45	0.13	0.032
104195	Soil	0.6	29.6	15.1	60	<0.1	40.8	17.6	735	3.87	2.8	1.8	1.3	15.5	33	<0.1	0.2	0.4	54	0.48	0.062
104196	Soil	1.3	24.8	14.4	64	<0.1	20.0	8.3	307	2.76	11.5	1.5	1.1	19.8	10	<0.1	1.0	0.2	45	0.07	0.018



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
104167	Soil	19	32	0.56	217	0.079	2	1.86	0.008	0.11	0.2	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2
104168	Soil	17	33	0.49	170	0.069	1	1.64	0.006	0.09	0.2	0.04	2.8	<0.1	<0.05	5	<0.5	<0.2
104169	Soil	37	89	1.44	547	0.163	<1	2.59	0.012	0.79	<0.1	0.02	4.7	0.2	<0.05	8	<0.5	<0.2
104170	Soil	41	72	1.02	452	0.195	1	1.93	0.011	0.69	<0.1	<0.01	4.6	0.2	<0.05	7	<0.5	<0.2
104171	Soil	43	49	1.36	474	0.147	1	2.28	0.007	0.69	0.1	<0.01	3.3	0.3	<0.05	8	<0.5	<0.2
104172	Soil	52	66	1.09	317	0.137	1	1.86	0.009	0.63	<0.1	0.01	3.4	0.3	<0.05	6	<0.5	<0.2
104173	Soil	25	36	0.78	280	0.116	1	2.00	0.007	0.28	0.1	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
104174	Soil	32	34	1.68	487	0.167	2	2.47	0.008	0.76	0.2	0.01	3.6	0.2	<0.05	7	<0.5	<0.2
104175	Soil	35	36	0.49	251	0.063	2	2.08	0.009	0.07	0.1	0.07	5.7	0.1	<0.05	5	<0.5	<0.2
104176	Soil	45	22	0.69	210	0.096	<1	1.63	0.006	0.38	0.1	0.03	3.0	0.4	<0.05	6	<0.5	<0.2
104177	Soil	27	32	0.61	167	0.081	2	1.79	0.007	0.18	0.2	0.04	3.2	0.2	<0.05	5	0.5	<0.2
104178	Soil	42	25	1.15	257	0.137	2	2.08	0.006	0.52	0.1	0.02	3.2	0.3	<0.05	7	<0.5	<0.2
104179	Soil	19	20	0.75	159	0.099	1	1.49	0.006	0.24	0.1	<0.01	2.3	0.1	<0.05	7	<0.5	<0.2
104180	Soil	52	29	1.59	840	0.253	1	2.72	0.008	1.32	0.1	0.02	4.8	0.4	<0.05	10	<0.5	<0.2
104181	Soil	23	32	0.74	158	0.115	2	1.81	0.008	0.27	0.1	0.02	2.9	0.2	<0.05	7	0.5	<0.2
104182	Soil	19	34	0.69	257	0.119	2	1.99	0.005	0.26	0.1	0.03	2.9	0.2	<0.05	6	0.6	<0.2
104183	Soil	19	27	0.60	176	0.094	<1	1.51	0.006	0.19	0.2	0.03	1.8	0.2	<0.05	5	0.5	<0.2
104184	Soil	14	40	0.87	349	0.159	<1	2.01	0.008	0.34	0.2	0.01	2.9	0.2	<0.05	7	<0.5	<0.2
104185	Soil	51	116	2.39	491	0.295	<1	3.27	0.009	1.77	0.2	0.01	5.4	0.8	<0.05	12	<0.5	<0.2
104186	Soil	36	44	0.73	236	0.115	<1	1.77	0.007	0.28	0.2	0.01	2.6	0.2	<0.05	7	<0.5	0.5
104187	Soil	29	44	0.88	190	0.150	1	1.92	0.007	0.36	0.2	<0.01	2.3	0.2	<0.05	6	<0.5	<0.2
104188	Soil	41	37	0.78	253	0.137	<1	1.81	0.008	0.42	0.1	<0.01	2.7	0.3	<0.05	7	<0.5	<0.2
104189	Soil	16	36	0.75	205	0.126	<1	1.87	0.007	0.22	0.1	0.04	2.3	0.2	<0.05	6	<0.5	<0.2
104190	Soil	25	35	0.67	208	0.110	<1	1.74	0.013	0.15	0.1	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
104191	Soil	39	55	0.80	261	0.118	<1	1.93	0.010	0.13	0.1	0.04	3.9	0.2	<0.05	6	0.7	<0.2
104192	Soil	20	40	0.75	229	0.125	<1	1.75	0.008	0.20	0.2	0.03	2.6	0.2	<0.05	5	<0.5	<0.2
104193	Soil	57	43	0.94	203	0.216	<1	2.68	0.007	1.07	<0.1	0.01	5.2	0.9	<0.05	8	<0.5	<0.2
104194	Soil	12	33	0.91	184	0.105	<1	2.51	0.006	0.51	<0.1	0.01	2.7	0.5	<0.05	7	<0.5	<0.2
104195	Soil	53	49	1.69	373	0.163	<1	2.67	0.013	0.77	0.1	0.01	8.8	0.6	<0.05	9	<0.5	0.2
104196	Soil	47	26	0.36	161	0.055	<1	1.47	0.007	0.10	0.1	0.04	6.2	0.2	<0.05	7	0.6	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
104197	Soil	2.2	8.4	13.1	27	<0.1	7.9	4.2	183	1.78	12.7	2.1	1.1	25.8	22	<0.1	1.0	0.1	23	0.05	0.033
104198	Soil	1.8	18.5	17.6	82	<0.1	20.1	11.4	477	3.64	6.4	3.8	<0.5	40.2	15	<0.1	0.6	0.2	42	0.17	0.039
104199	Soil	1.3	13.2	13.5	89	<0.1	14.0	7.5	263	3.10	10.6	3.7	1.3	25.9	10	<0.1	0.8	0.2	40	0.07	0.029
104200	Soil	2.0	21.8	11.1	73	<0.1	12.1	8.9	350	4.03	6.1	3.8	1.2	24.8	9	<0.1	0.4	0.1	48	0.07	0.036
104201	Soil	0.8	17.9	14.6	107	<0.1	15.7	12.4	512	4.62	6.0	1.3	<0.5	15.7	12	<0.1	0.4	0.1	61	0.21	0.080
104202	Soil	0.8	26.8	14.7	121	<0.1	18.4	14.9	609	5.17	5.9	2.5	1.4	32.0	16	<0.1	0.3	<0.1	66	0.42	0.139
104203	Soil	0.9	22.7	10.7	70	<0.1	21.8	9.8	320	3.34	9.8	1.2	2.8	12.0	20	<0.1	0.7	0.1	57	0.21	0.026
104204	Soil	1.2	13.9	12.0	65	<0.1	16.6	11.5	434	3.67	8.8	0.7	1.1	9.9	12	<0.1	0.6	0.1	53	0.18	0.070
104205	Soil	1.3	29.6	13.5	59	<0.1	20.9	8.5	283	2.97	30.6	1.8	2.7	18.3	13	<0.1	1.7	0.2	49	0.12	0.020
104206	Soil	1.3	17.5	12.0	51	<0.1	15.5	6.9	246	1.77	13.2	0.9	1.4	4.2	13	<0.1	0.8	0.2	40	0.06	0.054
104207	Soil	1.3	38.9	14.6	90	<0.1	36.9	13.0	231	3.79	45.6	2.0	3.1	7.0	34	<0.1	3.9	0.2	44	0.03	0.024
104208	Soil	0.9	69.3	12.7	85	<0.1	40.9	17.7	566	3.64	15.8	1.1	3.7	14.2	12	<0.1	0.4	0.3	42	0.13	0.050
104209	Soil	1.2	39.6	12.8	67	<0.1	37.7	12.8	448	2.63	15.4	1.6	3.3	10.1	15	<0.1	0.8	0.3	41	0.11	0.017
104210	Soil	1.0	33.4	17.0	85	<0.1	25.2	14.5	382	3.85	65.4	2.3	2.5	11.5	11	1.3	3.5	0.4	18	0.04	0.050
104211	Soil	1.4	36.5	6.6	121	<0.1	61.1	12.1	1967	4.20	77.1	1.0	6.1	9.8	17	<0.1	24.6	0.3	36	0.20	0.018
104212	Soil	1.7	45.9	19.7	81	<0.1	44.5	12.2	896	3.47	230.3	2.0	4.2	7.8	8	<0.1	5.5	0.4	39	0.04	0.042
104213	Soil	1.1	40.3	14.3	76	<0.1	43.1	15.0	1174	3.48	187.3	1.2	5.4	6.6	16	0.1	5.5	0.3	47	0.08	0.035
104214	Soil	1.6	31.0	16.2	84	<0.1	27.3	7.0	185	3.33	90.9	1.5	3.1	8.0	17	<0.1	3.3	0.2	39	0.04	0.020
104215	Soil	1.9	31.6	15.0	87	<0.1	29.8	7.2	191	3.38	95.3	1.6	1.7	8.6	18	<0.1	3.5	0.2	39	0.04	0.022
104216	Soil	5.5	60.5	12.1	109	<0.1	63.1	13.0	2621	3.74	213.8	1.4	2.2	5.3	15	<0.1	1.6	0.1	61	0.04	0.038
104217	Soil	1.1	22.1	28.9	61	<0.1	11.7	4.1	137	1.50	210.0	1.6	2.0	14.1	10	<0.1	4.3	0.2	35	0.03	0.019
104218	Soil	1.8	45.3	20.9	89	<0.1	28.2	8.5	555	2.58	84.1	1.3	4.8	6.4	21	<0.1	2.3	0.2	47	0.13	0.016
104219	Soil	1.4	42.0	11.8	80	<0.1	20.9	6.5	346	1.66	76.1	1.4	5.5	7.5	17	0.2	1.6	0.2	36	0.06	0.013
104220	Soil	1.1	25.5	19.6	128	<0.1	18.6	7.7	507	2.11	187.1	2.8	3.8	8.6	7	0.2	5.1	0.3	34	0.04	0.013
104221	Soil	1.4	31.4	21.9	166	0.1	58.7	14.3	1839	3.28	377.3	1.9	5.3	10.5	10	0.6	8.1	0.3	45	0.05	0.019
104222	Soil	1.1	47.2	49.0	839	<0.1	57.3	8.5	333	4.45	125.3	1.6	5.8	8.3	13	0.7	5.1	0.2	43	0.06	0.033
104223	Soil	1.2	45.9	11.8	541	<0.1	33.5	10.5	797	3.29	146.8	1.9	4.4	9.4	8	1.1	3.0	0.2	33	0.02	0.026
104224	Soil	0.8	25.5	24.3	118	<0.1	31.2	13.5	407	3.30	22.0	3.0	1.2	25.6	8	0.2	0.6	0.4	30	0.05	0.035
104225	Soil	2.1	44.7	19.0	90	<0.1	29.2	13.7	372	2.26	58.2	1.4	1.8	11.8	5	0.2	2.5	0.4	47	0.04	0.027
104226	Soil	1.1	39.5	11.8	61	<0.1	29.1	8.9	258	2.43	14.5	1.0	7.2	6.5	19	<0.1	1.0	0.2	46	0.18	0.021



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
104197	Soil	77	13	0.14	89	0.016	<1	0.98	0.007	0.11	<0.1	0.01	2.9	0.3	<0.05	6	<0.5	<0.2
104198	Soil	108	28	0.67	184	0.096	<1	1.96	0.010	0.49	<0.1	0.03	7.5	0.9	<0.05	9	<0.5	<0.2
104199	Soil	74	22	0.46	133	0.094	<1	1.72	0.008	0.32	<0.1	0.01	5.8	0.5	<0.05	7	<0.5	0.3
104200	Soil	103	21	0.76	138	0.223	<1	2.32	0.009	0.84	<0.1	<0.01	7.4	0.6	<0.05	10	0.5	<0.2
104201	Soil	29	26	0.91	220	0.203	<1	3.00	0.010	1.04	0.1	<0.01	6.9	0.9	<0.05	13	<0.5	<0.2
104202	Soil	109	27	1.07	279	0.190	<1	2.79	0.009	1.14	0.2	<0.01	10.1	1.0	<0.05	13	<0.5	<0.2
104203	Soil	37	31	0.64	301	0.127	<1	1.91	0.013	0.33	0.1	0.01	5.8	0.3	<0.05	7	<0.5	0.3
104204	Soil	9	24	0.83	248	0.180	<1	2.21	0.008	0.79	0.2	<0.01	6.0	0.5	<0.05	9	<0.5	<0.2
104205	Soil	45	31	0.49	219	0.071	<1	1.76	0.009	0.23	0.2	0.07	5.3	0.3	<0.05	5	<0.5	<0.2
104206	Soil	9	22	0.18	121	0.013	<1	0.89	0.004	0.06	<0.1	0.06	1.6	0.1	<0.05	3	<0.5	<0.2
104207	Soil	15	22	0.14	133	0.010	<1	0.76	0.003	0.08	<0.1	0.29	4.2	0.2	<0.05	2	0.6	0.4
104208	Soil	22	30	0.32	148	0.035	<1	0.85	0.005	0.28	<0.1	<0.01	5.9	0.3	<0.05	4	<0.5	0.2
104209	Soil	23	27	0.33	260	0.044	<1	1.46	0.006	0.13	<0.1	0.04	5.1	0.2	<0.05	5	<0.5	0.3
104210	Soil	11	13	0.08	114	0.004	<1	0.63	0.003	0.19	<0.1	0.22	4.5	0.5	<0.05	3	1.0	0.2
104211	Soil	26	44	1.22	351	0.101	<1	2.06	0.007	0.42	<0.1	0.09	9.7	1.2	<0.05	9	<0.5	0.2
104212	Soil	12	17	0.10	182	0.008	<1	0.57	<0.001	0.12	<0.1	0.02	3.5	0.3	<0.05	3	<0.5	0.3
104213	Soil	10	51	0.12	225	0.007	<1	0.51	0.002	0.09	<0.1	0.09	8.8	0.4	<0.05	3	<0.5	<0.2
104214	Soil	19	23	0.27	214	0.031	<1	1.17	0.004	0.10	<0.1	0.01	3.6	0.1	<0.05	4	0.6	0.2
104215	Soil	20	26	0.27	220	0.034	<1	1.21	0.004	0.11	0.1	0.01	3.6	0.1	<0.05	4	<0.5	<0.2
104216	Soil	10	20	0.36	415	0.026	<1	1.38	0.003	0.08	<0.1	0.03	6.0	0.1	<0.05	5	0.5	<0.2
104217	Soil	26	19	0.07	165	0.007	<1	0.54	0.002	0.05	<0.1	0.20	5.9	0.3	<0.05	2	0.6	<0.2
104218	Soil	16	32	0.40	521	0.051	<1	1.39	0.010	0.05	0.2	0.17	5.1	0.2	<0.05	4	<0.5	<0.2
104219	Soil	17	20	0.21	292	0.028	<1	0.96	0.004	0.04	0.1	0.16	5.0	0.1	<0.05	3	<0.5	<0.2
104220	Soil	12	17	0.15	223	0.017	1	0.71	0.002	0.04	<0.1	0.12	4.9	0.3	<0.05	2	<0.5	<0.2
104221	Soil	17	26	0.18	465	0.018	<1	0.76	0.004	0.04	0.1	0.12	6.7	0.5	<0.05	3	<0.5	<0.2
104222	Soil	20	25	0.23	268	0.019	1	0.81	0.004	0.07	0.1	0.23	6.8	0.2	<0.05	3	0.6	<0.2
104223	Soil	18	14	0.06	194	0.003	2	0.60	0.002	0.06	<0.1	0.41	7.5	0.4	<0.05	3	0.6	<0.2
104224	Soil	100	26	0.67	500	0.155	<1	1.77	0.004	0.72	<0.1	0.04	3.8	0.7	<0.05	6	0.7	<0.2
104225	Soil	30	23	0.35	263	0.041	<1	1.49	0.003	0.22	<0.1	0.04	4.1	0.3	<0.05	5	0.6	<0.2
104226	Soil	18	30	0.47	313	0.067	1	1.21	0.017	0.06	0.2	0.04	4.2	<0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
104227	Soil	1.2	46.0	8.7	60	<0.1	25.2	8.6	261	2.56	25.3	1.7	2.5	5.6	10	<0.1	2.0	0.2	40	0.09	0.023
104228	Soil	0.4	28.3	20.7	78	<0.1	26.2	10.7	416	3.31	13.7	2.2	1.0	21.3	13	<0.1	1.7	0.3	29	0.13	0.022
104229	Soil	0.3	26.9	20.1	281	<0.1	47.3	12.6	480	3.61	8.7	2.5	0.7	23.1	7	<0.1	0.9	0.3	30	0.06	0.019
104230	Soil	0.2	33.1	22.3	92	<0.1	29.8	11.9	338	4.08	24.5	3.3	0.6	26.5	10	<0.1	1.9	0.3	29	0.16	0.051
104231	Soil	2.6	56.5	12.0	123	<0.1	35.8	13.8	405	3.61	46.0	3.4	1.2	8.9	7	<0.1	6.3	0.2	51	0.07	0.040
104232	Soil	1.5	25.3	14.8	42	<0.1	14.6	6.3	261	1.69	28.5	1.3	0.7	8.0	5	<0.1	2.8	0.1	22	0.05	0.018
104233	Soil	0.6	81.0	18.8	97	<0.1	37.2	14.3	350	4.53	13.8	2.1	0.9	26.4	7	<0.1	1.6	0.2	38	0.11	0.045
104234	Soil	0.5	20.2	8.9	63	<0.1	16.4	9.3	447	3.01	5.9	1.8	<0.5	20.9	16	<0.1	0.5	0.3	40	0.21	0.056
104235	Soil	0.9	33.8	25.6	81	<0.1	31.5	13.5	533	4.15	69.1	3.2	2.0	25.9	8	<0.1	3.4	0.3	32	0.14	0.047
104236	Soil	0.9	31.3	23.6	90	<0.1	34.6	13.7	374	4.27	30.7	1.7	1.7	17.2	8	<0.1	2.7	0.3	36	0.13	0.042
104237	Soil	0.9	45.9	21.5	100	<0.1	38.8	17.4	464	3.79	22.2	1.9	2.0	19.3	6	<0.1	2.7	0.5	38	0.05	0.018
104238	Soil	1.8	64.0	23.5	91	<0.1	36.7	14.5	445	3.76	115.1	2.8	2.4	18.2	9	<0.1	7.8	0.3	35	0.08	0.025
104239	Soil	1.3	32.0	13.7	65	<0.1	28.8	10.1	287	2.99	65.4	1.6	2.3	10.0	15	<0.1	4.5	0.2	43	0.15	0.025
104240	Soil	1.4	37.5	16.5	70	<0.1	32.9	11.5	306	3.29	81.9	1.8	1.7	11.6	14	0.1	6.2	0.2	42	0.13	0.025
104241	Soil	1.0	26.8	13.9	55	<0.1	23.1	8.3	229	2.55	30.2	1.4	2.2	11.0	16	<0.1	2.0	0.2	41	0.14	0.015
104242	Soil	1.1	34.9	13.4	68	<0.1	33.0	12.4	371	3.04	18.6	2.5	3.7	11.8	15	<0.1	1.9	0.2	49	0.13	0.018
104243	Soil	1.0	21.4	9.6	58	<0.1	18.7	9.4	496	3.07	8.9	2.9	1.8	10.2	16	<0.1	0.7	0.2	51	0.15	0.030
104244	Soil	1.3	24.9	6.9	59	<0.1	15.9	8.0	382	2.90	6.5	2.1	6.6	13.0	12	0.1	0.7	0.2	41	0.13	0.038
104245	Soil	1.4	26.6	8.6	50	<0.1	13.3	7.0	305	3.12	8.9	1.3	2.2	7.0	10	<0.1	0.9	0.3	50	0.09	0.034
104246	Soil	1.1	30.3	8.4	50	<0.1	15.0	6.4	248	2.36	8.3	1.8	2.6	6.5	13	<0.1	1.0	0.2	41	0.14	0.038
104247	Soil	1.7	21.4	7.6	40	<0.1	8.7	4.6	246	2.33	7.2	1.4	0.9	5.9	9	0.1	0.8	0.2	43	0.08	0.038
104248	Soil	1.2	23.6	9.0	39	<0.1	11.2	4.3	167	2.08	7.3	1.4	2.5	1.9	10	0.2	0.6	0.2	45	0.09	0.068
104249	Soil	1.8	48.6	12.3	56	0.2	15.7	6.3	307	2.78	9.5	2.2	4.0	5.6	11	0.1	0.7	0.3	53	0.10	0.060
104250	Soil	4.3	53.9	5.2	104	0.1	11.6	4.6	533	5.37	2.1	0.9	1.0	3.3	10	0.2	0.2	0.5	147	0.13	0.061
104251	Soil	1.5	45.2	10.3	69	0.2	14.7	7.5	279	2.90	6.0	1.6	3.4	3.4	12	0.1	0.3	0.3	62	0.13	0.054
104252	Soil	1.2	59.9	5.9	71	<0.1	18.0	11.7	601	3.03	3.7	0.7	4.9	4.3	10	<0.1	0.3	0.3	73	0.15	0.046
104253	Soil	1.4	51.9	6.9	77	0.2	19.2	11.1	333	3.17	4.5	0.8	5.5	2.9	13	<0.1	0.3	0.3	74	0.18	0.050
104254	Soil	1.1	51.5	4.8	74	<0.1	17.1	9.7	404	2.99	4.4	0.7	2.9	3.6	14	<0.1	0.3	0.3	68	0.19	0.054
104255	Soil	1.2	41.6	6.0	63	0.2	11.3	6.5	258	2.45	3.7	0.7	4.3	1.9	12	<0.1	0.3	0.3	50	0.14	0.052
104256	Soil	1.1	56.4	6.7	72	<0.1	23.4	16.0	578	3.53	5.6	0.6	1.9	4.5	14	<0.1	0.4	0.3	78	0.20	0.041



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
104227	Soil	20	23	0.34	255	0.041	<1	1.41	0.004	0.06	0.1	0.20	3.1	0.2	<0.05	4	<0.5
104228	Soil	58	26	0.70	446	0.166	<1	1.69	0.008	0.59	<0.1	0.06	3.5	0.5	<0.05	5	<0.5
104229	Soil	55	31	0.81	685	0.255	<1	1.95	0.005	1.09	<0.1	0.10	3.5	0.8	<0.05	7	<0.5
104230	Soil	46	29	1.01	276	0.237	<1	2.19	0.007	1.18	<0.1	0.01	3.5	0.8	<0.05	7	0.7
104231	Soil	39	28	0.85	394	0.122	<1	1.93	0.004	0.40	<0.1	0.05	3.3	0.4	<0.05	6	<0.5
104232	Soil	13	16	0.20	110	0.035	<1	0.77	0.003	0.13	<0.1	0.03	1.7	0.1	<0.05	2	<0.5
104233	Soil	88	35	0.94	184	0.212	<1	2.38	0.006	1.15	<0.1	0.01	3.0	0.7	<0.05	8	<0.5
104234	Soil	56	38	0.93	201	0.156	<1	1.96	0.005	0.86	0.4	<0.01	2.1	0.8	<0.05	8	<0.5
104235	Soil	43	25	0.40	134	0.109	<1	1.11	0.004	0.35	<0.1	0.25	4.8	0.4	<0.05	4	<0.5
104236	Soil	26	35	0.74	179	0.228	<1	1.97	0.006	0.81	<0.1	<0.01	3.5	0.7	<0.05	7	<0.5
104237	Soil	66	32	0.57	186	0.142	<1	1.49	0.007	0.56	<0.1	0.69	6.0	0.5	<0.05	6	0.5
104238	Soil	50	24	0.46	165	0.090	<1	1.18	0.005	0.35	<0.1	0.09	4.5	0.3	<0.05	4	0.8
104239	Soil	26	29	0.46	247	0.074	<1	1.46	0.007	0.18	0.1	0.09	3.2	0.2	<0.05	4	<0.5
104240	Soil	29	29	0.47	243	0.084	2	1.39	0.007	0.22	<0.1	0.09	3.4	0.3	<0.05	4	<0.5
104241	Soil	46	26	0.41	238	0.064	<1	1.28	0.007	0.08	0.1	0.06	3.3	0.1	<0.05	4	<0.5
104242	Soil	26	33	0.54	304	0.099	1	1.68	0.011	0.17	0.1	0.11	5.5	0.2	<0.05	6	<0.5
104243	Soil	38	29	0.72	744	0.127	<1	1.97	0.011	0.21	0.2	0.07	6.3	0.2	<0.05	7	0.7
104244	Soil	26	23	0.74	320	0.131	1	1.68	0.009	0.32	0.2	0.02	3.9	0.2	<0.05	6	<0.5
104245	Soil	17	25	0.58	229	0.109	1	1.71	0.008	0.22	0.1	0.02	3.2	0.2	<0.05	7	<0.5
104246	Soil	23	23	0.49	202	0.086	<1	1.33	0.008	0.10	0.1	0.03	2.9	0.1	<0.05	5	<0.5
104247	Soil	20	17	0.43	192	0.107	1	1.22	0.007	0.21	0.1	0.02	2.5	0.2	<0.05	7	<0.5
104248	Soil	17	23	0.35	159	0.054	1	1.44	0.006	0.06	0.1	0.04	2.3	0.1	<0.05	6	<0.5
104249	Soil	23	29	0.49	249	0.081	1	1.78	0.008	0.11	0.2	0.05	3.6	0.1	<0.05	7	<0.5
104250	Soil	10	24	2.52	1050	0.185	<1	2.79	0.019	0.93	<0.1	<0.01	16.7	0.2	0.10	13	<0.5
104251	Soil	17	28	0.82	360	0.088	1	1.81	0.010	0.17	0.2	0.05	4.6	0.1	<0.05	7	<0.5
104252	Soil	13	35	1.24	497	0.145	<1	1.87	0.015	0.48	0.1	<0.01	5.5	0.2	<0.05	7	<0.5
104253	Soil	12	34	1.12	534	0.095	1	1.96	0.011	0.29	0.1	0.02	5.7	0.1	<0.05	6	<0.5
104254	Soil	11	30	1.05	369	0.108	<1	1.86	0.010	0.35	0.1	0.02	5.1	0.2	<0.05	6	<0.5
104255	Soil	11	20	0.70	312	0.079	1	1.52	0.009	0.24	0.2	0.05	4.5	0.1	<0.05	6	0.5
104256	Soil	12	99	1.07	336	0.116	<1	2.10	0.008	0.24	0.1	0.02	5.7	0.2	<0.05	6	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
104257	Soil	5.0	4.1	2.6	6	<0.1	2.7	3.4	71	1.29	0.9	0.4	2.4	2.5	4	<0.1	<0.1	0.1	5	0.08	0.017
104258	Soil	0.8	20.5	5.4	48	<0.1	11.4	9.0	401	3.29	4.1	0.6	4.8	3.2	12	<0.1	0.3	0.1	70	0.38	0.088
104259	Soil	1.0	115.6	2.6	86	<0.1	16.1	24.0	891	5.00	1.7	0.6	3.9	2.4	10	<0.1	0.2	0.4	83	0.36	0.086
104260	Soil	1.1	48.8	8.2	69	0.2	15.8	15.1	594	3.94	5.2	0.8	3.4	3.9	14	<0.1	0.3	0.2	97	0.31	0.061
104261	Soil	0.9	36.6	3.2	58	<0.1	8.6	12.9	715	4.15	3.3	0.5	1.5	2.8	10	<0.1	0.4	0.1	90	0.36	0.128
104262	Soil	1.8	84.1	6.9	86	0.2	16.7	19.3	899	4.99	1.1	0.7	7.5	4.9	9	<0.1	0.2	0.1	96	0.46	0.118
104263	Soil	4.8	39.5	2.8	44	<0.1	21.0	30.2	670	6.05	1.5	1.1	6.4	4.0	17	<0.1	0.1	<0.1	112	0.52	0.137
104264	Soil	1.5	44.5	8.0	52	0.2	15.0	10.1	330	3.43	5.0	1.0	4.8	3.9	14	<0.1	0.3	0.1	73	0.38	0.053
104265	Soil	1.6	44.3	7.7	55	0.2	14.9	10.7	347	3.53	4.9	1.0	3.8	3.8	13	<0.1	0.3	0.1	73	0.38	0.055
104266	Soil	3.2	141.4	7.5	31	<0.1	16.8	24.9	448	4.99	1.5	0.8	5.4	3.8	9	<0.1	0.1	0.2	120	0.37	0.114
104267	Soil	0.5	89.2	14.9	80	0.2	11.8	15.5	1170	3.71	1.3	0.8	2.4	17.5	8	<0.1	1.3	0.1	54	0.40	0.065
104268	Soil	0.6	70.2	5.0	97	<0.1	32.4	25.3	750	4.32	2.9	0.4	2.4	1.3	13	<0.1	0.3	<0.1	120	0.26	0.031
104269	Soil	0.5	105.1	3.1	70	<0.1	20.5	21.6	640	3.87	1.8	0.4	2.4	1.0	13	<0.1	0.3	<0.1	108	0.36	0.062
104270	Soil	0.7	63.1	3.1	67	<0.1	15.5	15.7	512	3.44	1.9	0.4	0.9	1.7	22	<0.1	0.2	<0.1	97	0.28	0.051
104271	Soil	0.7	65.1	3.9	79	<0.1	20.6	20.1	521	3.93	3.5	0.3	0.7	1.2	11	<0.1	0.2	0.1	98	0.20	0.043
104272	Soil	1.6	81.2	5.5	88	<0.1	21.6	19.1	728	4.52	3.4	0.7	5.3	3.9	18	<0.1	0.4	0.1	114	0.36	0.048
104273	Soil	0.7	45.5	5.2	71	<0.1	18.5	13.0	549	3.38	3.9	0.7	2.5	3.9	17	<0.1	0.3	<0.1	79	0.41	0.085
104274	Soil	0.6	38.1	5.7	63	<0.1	14.9	10.5	303	2.90	4.9	0.5	2.6	3.0	13	<0.1	0.4	0.1	69	0.21	0.040
105097	Soil	3.0	47.7	19.7	30	<0.1	16.5	7.6	147	2.18	21.0	2.0	3.9	9.2	7	0.1	2.4	0.2	38	0.04	0.027
105098	Soil	1.9	21.0	13.4	52	<0.1	17.6	6.9	189	3.02	25.7	0.9	3.4	1.8	12	0.1	2.7	0.2	71	0.11	0.043
105099	Soil	1.7	29.6	10.5	49	<0.1	19.1	7.7	210	2.56	20.6	1.1	2.9	4.0	12	0.1	2.0	0.2	56	0.10	0.024
105100	Soil	1.8	27.1	11.5	57	0.1	21.5	8.3	265	2.79	17.4	1.0	2.7	3.5	11	<0.1	1.1	0.2	63	0.10	0.033
105101	Soil	1.5	32.4	11.3	56	0.1	23.0	8.3	244	2.73	16.9	1.2	3.5	4.4	13	0.1	1.3	0.2	61	0.11	0.019
105102	Soil	1.1	27.2	10.3	57	<0.1	24.4	8.9	254	2.66	13.0	0.8	5.1	4.0	13	0.1	0.9	0.2	57	0.15	0.034
105103	Soil	1.6	25.7	12.4	65	0.1	23.7	9.3	270	3.07	16.3	0.9	3.6	4.3	14	<0.1	1.1	0.2	67	0.13	0.023
105104	Soil	1.3	26.3	12.9	59	<0.1	23.7	9.4	238	2.81	12.0	0.9	3.0	4.5	13	<0.1	0.7	0.2	61	0.13	0.020
105105	Soil	2.0	45.4	17.8	64	0.1	25.6	11.6	276	2.96	21.2	3.2	5.1	7.1	12	<0.1	1.6	0.2	62	0.09	0.018
105106	Soil	1.9	37.9	18.4	56	0.1	23.1	11.9	362	2.66	21.3	2.6	3.3	5.5	13	<0.1	1.5	0.2	55	0.10	0.018
105107	Soil	1.6	39.2	17.3	75	<0.1	29.9	12.0	444	3.17	18.6	2.2	3.3	5.1	22	<0.1	1.3	0.2	62	0.20	0.027
105108	Soil	1.5	44.6	16.7	98	<0.1	31.0	16.5	588	4.15	21.1	1.9	4.9	10.8	21	<0.1	2.2	0.1	63	0.21	0.027



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
104257	Soil	6	2	0.05	72	0.004	<1	0.18	0.004	0.06	<0.1	0.01	0.9	<0.1	0.07	<1	2.1
104258	Soil	12	20	1.04	269	0.145	2	2.01	0.008	0.39	0.1	0.02	6.9	0.2	<0.05	7	<0.5
104259	Soil	13	22	1.44	376	0.090	<1	1.88	0.019	0.52	<0.1	<0.01	9.8	0.1	<0.05	7	<0.5
104260	Soil	13	30	1.01	384	0.125	2	1.99	0.010	0.25	<0.1	0.02	8.8	0.1	<0.05	7	0.6
104261	Soil	13	12	1.02	229	0.128	1	2.01	0.008	0.47	0.1	0.01	8.5	0.2	<0.05	7	<0.5
104262	Soil	24	28	1.69	862	0.129	1	2.53	0.016	1.17	<0.1	0.03	13.6	0.3	<0.05	9	1.2
104263	Soil	15	38	2.34	1004	0.156	<1	3.31	0.030	1.33	<0.1	0.01	12.3	0.3	<0.05	11	0.9
104264	Soil	17	25	1.09	594	0.118	<1	2.15	0.010	0.37	<0.1	0.04	6.8	0.1	<0.05	8	0.8
104265	Soil	16	25	1.14	600	0.122	<1	2.21	0.011	0.39	<0.1	0.03	7.0	0.1	<0.05	8	0.9
104266	Soil	14	25	2.35	1252	0.170	<1	3.00	0.057	1.49	<0.1	0.02	13.0	0.4	<0.05	7	1.2
104267	Soil	24	10	0.74	391	0.090	<1	1.66	0.005	0.71	0.1	0.05	10.2	0.4	<0.05	6	0.7
104268	Soil	6	34	1.90	575	0.248	1	3.01	0.009	1.15	0.1	0.01	5.4	0.4	<0.05	7	<0.5
104269	Soil	4	21	1.21	325	0.130	<1	2.33	0.015	0.56	<0.1	0.01	7.2	0.2	<0.05	6	<0.5
104270	Soil	8	26	1.18	449	0.172	<1	2.05	0.014	0.66	0.1	<0.01	6.8	0.2	<0.05	7	0.6
104271	Soil	3	26	1.58	369	0.210	<1	2.78	0.012	0.77	0.1	<0.01	4.4	0.2	<0.05	7	<0.5
104272	Soil	14	29	1.25	527	0.160	2	2.40	0.011	0.73	0.1	0.05	12.2	0.4	<0.05	8	<0.5
104273	Soil	12	28	1.52	619	0.141	<1	2.31	0.017	0.60	<0.1	0.02	8.8	0.2	<0.05	7	0.7
104274	Soil	12	31	0.86	230	0.107	<1	1.83	0.009	0.15	<0.1	0.01	4.9	<0.1	<0.05	6	<0.5
105097	Soil	18	23	0.14	219	0.019	<1	1.40	0.004	0.05	<0.1	0.07	3.2	0.1	<0.05	4	1.0
105098	Soil	12	33	0.42	285	0.053	1	1.76	0.006	0.05	0.2	0.08	2.6	0.1	<0.05	6	0.8
105099	Soil	13	31	0.38	254	0.052	<1	1.55	0.005	0.05	0.1	0.06	3.5	0.1	<0.05	5	0.8
105100	Soil	13	37	0.49	224	0.057	<1	1.87	0.006	0.05	0.2	0.04	3.1	0.2	<0.05	6	0.6
105101	Soil	16	36	0.52	267	0.058	1	1.89	0.007	0.05	0.2	0.07	4.3	0.1	<0.05	5	0.6
105102	Soil	12	32	0.54	255	0.057	1	1.80	0.007	0.05	0.2	0.03	3.1	0.1	<0.05	5	<0.5
105103	Soil	13	38	0.55	291	0.056	<1	2.09	0.007	0.05	0.1	0.04	3.5	0.1	<0.05	6	0.7
105104	Soil	12	34	0.51	240	0.060	1	2.03	0.007	0.04	0.2	0.03	3.3	0.1	<0.05	6	0.8
105105	Soil	18	37	0.51	232	0.058	1	2.19	0.005	0.04	0.1	0.15	4.8	0.2	<0.05	5	0.6
105106	Soil	18	32	0.45	246	0.059	<1	1.81	0.006	0.04	0.1	0.07	4.3	0.2	<0.05	5	0.6
105107	Soil	17	37	0.54	519	0.059	2	2.00	0.008	0.05	0.2	0.09	5.2	0.1	<0.05	6	0.5
105108	Soil	30	51	0.97	532	0.101	<1	2.58	0.006	0.34	<0.1	0.24	7.9	0.5	<0.05	7	0.6



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
105109	Soil																							
105110	Soil																							
105111	Soil																							
105112	Soil																							
105113	Soil																							
105114	Soil																							
105115	Soil																							
105116	Soil																							
105117	Soil																							
105118	Soil																							
105119	Soil																							
105120	Soil																							
105121	Soil																							
105122	Soil																							
105123	Soil																							
107196	Soil																							
107197	Soil																							
107198	Soil																							
107199	Soil																							
107200	Soil																							
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107202	Soil																							
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107206	Soil																							
107207	Soil																							
107208	Soil																							
107209	Soil																							
107210	Soil																							



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
105109	Soil	73	53	1.81	424	0.180	<1	2.92	0.006	0.88	0.2	<0.01	4.3	0.5	<0.05	10	<0.5	<0.2
105110	Soil	49	47	1.20	746	0.148	<1	2.07	0.006	1.18	0.2	0.11	9.4	0.7	<0.05	7	1.0	<0.2
105111	Soil	23	42	0.80	275	0.109	<1	1.98	0.004	0.55	0.3	0.03	3.9	0.6	<0.05	6	0.7	<0.2
105112	Soil	67	37	1.05	345	0.175	1	2.44	0.005	0.91	0.2	0.03	4.6	0.7	<0.05	9	0.6	<0.2
105113	Soil	49	30	1.74	525	0.219	<1	2.83	0.009	0.95	0.2	<0.01	1.1	0.4	<0.05	7	<0.5	<0.2
105114	Soil	67	20	0.49	227	0.062	1	1.92	0.004	0.25	0.2	0.35	3.6	0.3	<0.05	5	0.7	<0.2
105115	Soil	84	15	0.32	236	0.028	<1	1.64	0.004	0.18	0.2	0.85	3.4	0.2	<0.05	4	<0.5	<0.2
105116	Soil	11	45	0.56	174	0.057	1	2.27	0.004	0.21	1.9	0.05	2.9	0.3	<0.05	6	<0.5	<0.2
105117	Soil	47	16	0.53	188	0.138	<1	2.22	0.005	0.66	0.7	0.04	4.9	0.7	<0.05	9	<0.5	<0.2
105118	Soil	12	40	0.40	121	0.031	<1	1.97	0.004	0.12	0.2	0.08	3.6	0.2	<0.05	6	<0.5	<0.2
105119	Soil	13	44	0.55	237	0.074	<1	1.81	0.005	0.11	0.2	0.04	2.8	0.2	<0.05	6	0.5	<0.2
105120	Soil	20	35	0.49	426	0.056	<1	1.52	0.010	0.06	0.2	0.13	4.7	0.1	<0.05	5	<0.5	<0.2
105121	Soil	15	32	0.41	491	0.039	1	1.34	0.010	0.05	0.2	0.13	4.8	<0.1	<0.05	4	0.6	<0.2
105122	Soil	7	37	0.64	287	0.057	<1	1.30	0.012	0.03	0.1	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
105123	Soil	14	38	0.65	469	0.037	<1	1.37	0.013	0.04	0.2	0.17	4.7	<0.1	<0.05	4	0.8	<0.2
107196	Soil	13	32	0.47	155	0.037	1	1.49	0.008	0.06	0.2	0.19	3.5	0.1	<0.05	5	0.6	<0.2
107197	Soil	8	26	0.39	87	0.060	<1	1.39	0.010	0.03	0.1	0.03	2.0	<0.1	<0.05	6	0.6	<0.2
107198	Soil	10	29	0.43	153	0.041	1	1.67	0.006	0.04	0.2	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
107199	Soil	12	27	0.48	149	0.038	<1	1.59	0.007	0.04	0.2	0.03	2.3	<0.1	<0.05	4	0.7	<0.2
107200	Soil	10	36	0.41	113	0.052	1	1.53	0.006	0.04	0.2	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2
107201	Soil	15	39	0.52	209	0.073	10	1.58	0.003	0.45	<0.1	0.78	6.7	0.6	<0.05	5	0.6	<0.2
107202	Soil	23	27	0.46	123	0.054	2	1.47	0.004	0.19	<0.1	0.03	2.6	0.2	<0.05	4	0.6	<0.2
107203	Soil	22	26	0.71	102	0.098	<1	1.92	0.003	0.43	<0.1	0.03	2.2	0.4	<0.05	6	0.7	<0.2
107204	Soil	47	33	1.00	213	0.170	<1	2.61	0.006	0.96	<0.1	<0.01	2.9	0.7	<0.05	7	<0.5	<0.2
107205	Soil	34	41	1.27	462	0.277	<1	2.90	0.008	1.42	<0.1	0.01	3.4	0.9	<0.05	9	0.5	<0.2
107206	Soil	28	36	1.04	176	0.157	<1	2.43	0.006	0.82	<0.1	0.02	3.3	0.5	<0.05	7	<0.5	<0.2
107207	Soil	18	27	0.57	128	0.099	<1	1.78	0.006	0.30	0.1	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
107208	Soil	18	36	0.86	106	0.144	<1	2.22	0.005	0.63	0.1	<0.01	2.6	0.4	<0.05	7	<0.5	<0.2
107209	Soil	39	54	0.97	192	0.114	<1	2.65	0.006	0.50	0.1	0.13	4.8	0.5	<0.05	9	0.6	<0.2
107210	Soil	22	44	1.02	261	0.133	1	2.64	0.004	0.98	<0.1	0.36	5.9	0.6	<0.05	9	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
107211	Soil	1.3	6.4	15.8	36	<0.1	14.5	7.3	243	3.23	22.1	0.5	<0.5	3.9	11	<0.1	2.4	0.2	56	0.22	0.046
107212	Soil	0.2	29.6	27.7	97	<0.1	37.0	14.8	538	4.53	30.6	1.8	<0.5	25.5	15	<0.1	6.3	0.2	27	0.18	0.034
107213	Soil	1.0	90.0	21.6	306	<0.1	66.1	24.5	1004	3.97	82.4	3.5	3.0	25.2	5	0.4	18.8	0.4	30	0.06	0.037
107214	Soil	1.7	53.6	13.8	110	<0.1	38.4	11.9	428	3.20	24.5	1.9	7.4	8.5	14	0.1	4.0	0.2	55	0.09	0.019
107215	Soil	1.8	41.6	15.9	151	0.1	42.4	15.4	739	3.16	33.1	1.9	1.8	9.8	11	0.2	5.8	0.2	48	0.06	0.027
107216	Soil	1.2	43.2	21.9	251	<0.1	53.3	17.5	427	3.35	340.2	2.5	2.9	6.3	38	0.2	102.7	0.3	37	0.05	0.028
107217	Soil	1.5	39.5	15.4	81	<0.1	40.3	12.8	400	3.36	42.8	1.5	4.4	5.8	14	0.1	2.8	0.3	58	0.10	0.027
107218	Soil	1.0	34.0	14.1	66	0.1	31.8	11.0	407	2.92	39.3	2.5	14.3	7.6	19	<0.1	3.9	0.2	47	0.17	0.056
107219	Soil	4.0	53.2	20.3	497	<0.1	266.4	65.6	2179	6.39	120.9	4.1	6.4	10.6	13	0.4	11.5	0.4	29	0.03	0.044
107220	Soil	1.9	22.5	14.9	77	0.2	24.3	10.3	297	3.80	44.5	0.9	2.2	3.0	10	0.2	4.0	0.3	55	0.06	0.057
107221	Soil	0.9	47.7	18.4	155	<0.1	61.0	18.0	664	4.69	19.6	2.2	1.6	13.4	19	0.2	2.4	0.5	85	0.30	0.080
107222	Soil	1.3	34.4	17.8	114	<0.1	44.9	15.9	477	3.85	35.2	2.2	2.8	13.8	13	0.1	4.5	0.3	57	0.15	0.046
107223	Soil	0.9	23.7	8.4	116	<0.1	22.1	11.5	606	3.91	12.7	1.4	2.5	9.8	11	<0.1	1.0	0.2	43	0.11	0.023
107224	Soil	1.1	37.2	28.1	145	<0.1	51.6	21.0	666	4.46	50.9	1.2	3.0	16.9	11	<0.1	5.0	0.4	81	0.15	0.045
107225	Soil	2.7	83.7	26.5	166	<0.1	71.4	24.8	1252	4.71	24.4	2.8	1.8	17.3	11	0.2	5.8	0.6	77	0.19	0.104
107226	Soil	1.6	75.9	10.1	111	<0.1	50.0	14.8	462	3.18	19.5	3.4	2.3	18.9	4	<0.1	0.8	0.4	29	0.04	0.026
107227	Soil	1.0	47.3	9.2	64	<0.1	32.5	11.2	513	2.34	15.5	2.3	3.3	16.6	7	<0.1	2.5	0.4	28	0.02	0.029
107228	Soil	1.5	28.9	15.4	77	<0.1	32.4	14.3	351	3.12	21.1	0.9	8.3	5.0	14	0.3	1.2	0.3	57	0.12	0.028
107229	Soil	0.8	39.0	16.2	114	<0.1	34.5	11.2	547	3.88	39.5	2.2	2.9	11.2	14	<0.1	2.7	0.3	55	0.13	0.039
107230	Soil	1.4	35.0	14.9	90	0.1	22.5	7.5	428	2.20	492.8	2.3	4.5	8.2	19	<0.1	9.6	0.2	36	0.08	0.032
107231	Soil	2.3	20.2	21.4	117	0.6	33.0	11.0	286	3.67	72.4	0.8	0.7	4.3	17	0.3	1.6	0.3	65	0.09	0.053
107232	Soil	1.5	46.6	17.4	116	<0.1	35.5	9.8	338	3.53	5.8	1.8	<0.5	13.4	6	<0.1	0.5	0.2	62	0.11	0.060
107233	Soil	1.5	15.8	15.2	65	0.2	16.7	6.4	184	2.69	31.0	0.7	0.7	4.5	9	0.2	1.5	0.2	55	0.06	0.060
107234	Soil	1.2	27.0	15.1	139	<0.1	47.4	9.5	222	2.48	44.1	2.4	3.1	11.2	12	<0.1	0.8	0.3	42	0.05	0.033
107235	Soil	0.8	23.0	23.2	70	<0.1	25.4	11.4	355	3.38	6.6	1.2	0.7	14.0	16	<0.1	0.3	0.2	39	0.27	0.048
107236	Soil	0.5	37.0	14.1	74	<0.1	39.6	15.0	526	3.56	6.6	2.6	0.7	20.1	43	<0.1	0.3	0.3	49	0.61	0.069
107237	Soil	1.0	38.1	18.4	72	0.2	37.7	13.3	712	3.14	9.4	2.1	2.0	12.9	35	0.2	0.5	0.3	45	0.47	0.058
107238	Soil	0.7	27.8	16.5	71	<0.1	37.8	13.6	356	3.70	10.1	1.4	3.1	14.7	10	<0.1	0.5	0.3	45	0.15	0.045
107239	Soil	0.8	48.5	16.0	87	<0.1	54.6	14.8	465	4.10	3.8	2.5	3.3	24.6	11	<0.1	0.3	0.4	35	0.10	0.036
107240	Soil	1.0	47.7	14.2	74	<0.1	45.3	13.7	442	3.69	4.0	2.6	1.8	23.4	12	<0.1	0.3	0.3	30	0.08	0.030



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
107211	Soil	13	58	0.60	108	0.084	2	1.58	0.004	0.12	0.1	0.05	2.2	0.1	<0.05	6	<0.5	<0.2
107212	Soil	73	27	0.69	180	0.155	<1	1.74	0.003	0.75	<0.1	0.67	3.1	0.6	<0.05	6	0.6	<0.2
107213	Soil	48	25	0.37	135	0.074	<1	1.26	0.003	0.40	<0.1	0.46	5.2	0.9	<0.05	5	<0.5	<0.2
107214	Soil	25	34	0.49	180	0.046	1	1.78	0.006	0.06	0.2	0.36	5.8	0.2	<0.05	5	<0.5	<0.2
107215	Soil	26	29	0.34	157	0.025	1	1.58	0.005	0.06	0.1	0.16	3.6	0.4	0.06	4	0.7	<0.2
107216	Soil	22	22	0.23	106	0.011	6	1.08	0.004	0.06	<0.1	0.84	4.3	0.5	<0.05	3	0.8	<0.2
107217	Soil	23	36	0.60	323	0.053	1	2.06	0.006	0.07	0.2	0.37	5.9	0.2	<0.05	5	0.6	<0.2
107218	Soil	41	41	0.48	224	0.039	2	1.50	0.005	0.08	0.2	0.15	4.9	0.2	<0.05	4	<0.5	<0.2
107219	Soil	59	16	0.08	205	0.002	5	0.78	0.001	0.07	<0.1	0.30	5.8	0.2	<0.05	2	0.9	<0.2
107220	Soil	15	33	0.46	117	0.033	2	2.10	0.004	0.07	0.2	0.04	2.5	0.3	<0.05	5	0.7	<0.2
107221	Soil	56	80	1.24	363	0.188	<1	2.25	0.003	1.05	0.1	0.01	4.3	0.8	<0.05	6	0.8	<0.2
107222	Soil	42	44	0.71	281	0.108	<1	2.02	0.005	0.41	0.1	0.04	4.2	0.4	<0.05	5	1.0	<0.2
107223	Soil	34	19	1.17	328	0.200	<1	2.59	0.007	0.84	<0.1	0.02	4.8	0.4	<0.05	8	0.8	<0.2
107224	Soil	43	64	0.92	381	0.217	<1	2.60	0.006	0.83	<0.1	0.02	3.8	0.8	<0.05	7	<0.5	<0.2
107225	Soil	47	61	1.04	267	0.144	<1	2.07	0.004	0.84	<0.1	<0.01	4.2	0.6	<0.05	7	0.8	<0.2
107226	Soil	49	22	0.33	142	0.007	<1	1.38	0.002	0.06	<0.1	0.03	3.7	0.1	<0.05	4	0.6	<0.2
107227	Soil	35	20	0.06	120	0.003	<1	0.85	0.002	0.04	<0.1	0.03	3.4	0.1	<0.05	2	0.6	<0.2
107228	Soil	13	36	0.55	226	0.061	1	1.90	0.007	0.07	0.2	0.03	3.3	0.1	<0.05	5	0.6	<0.2
107229	Soil	36	30	0.79	397	0.173	1	1.87	0.006	0.69	<0.1	0.02	4.2	0.6	<0.05	6	<0.5	<0.2
107230	Soil	29	23	0.36	208	0.028	1	1.04	0.003	0.15	<0.1	0.31	3.5	0.3	<0.05	4	0.6	<0.2
107231	Soil	27	34	0.35	221	0.040	2	1.87	0.005	0.13	0.2	0.04	2.3	0.3	0.12	6	0.7	<0.2
107232	Soil	32	36	0.67	160	0.145	<1	1.85	0.003	0.60	<0.1	<0.01	1.8	0.4	<0.05	6	0.9	<0.2
107233	Soil	16	27	0.39	117	0.023	1	1.60	0.004	0.04	0.2	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
107234	Soil	36	21	0.20	129	0.016	1	1.00	0.003	0.07	<0.1	0.07	3.2	0.1	<0.05	3	<0.5	<0.2
107235	Soil	29	32	0.73	119	0.147	<1	1.87	0.006	0.46	0.1	0.01	2.5	0.4	<0.05	6	<0.5	<0.2
107236	Soil	36	46	0.78	148	0.158	1	2.14	0.006	0.30	<0.1	<0.01	3.5	0.5	<0.05	8	0.7	<0.2
107237	Soil	36	35	0.61	211	0.081	<1	1.50	0.010	0.21	0.1	0.03	3.7	0.2	<0.05	5	<0.5	<0.2
107238	Soil	15	59	0.85	142	0.125	<1	2.39	0.005	0.39	<0.1	0.02	3.0	0.4	<0.05	7	<0.5	<0.2
107239	Soil	53	72	0.78	154	0.060	<1	2.00	0.004	0.32	<0.1	0.03	5.1	0.5	<0.05	7	<0.5	<0.2
107240	Soil	51	55	0.54	126	0.025	1	1.60	0.003	0.21	<0.1	0.06	4.2	0.4	<0.05	5	0.6	<0.2



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Project: WMOOSE
Report Date: July 03, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
107241	Soil	2.0	20.2	13.4	58	<0.1	23.3	7.8	270	2.82	13.6	0.8	0.9	6.2	15	<0.1	0.8	0.4	48	0.12	0.028
107242	Soil	1.5	38.1	17.0	92	0.2	38.4	15.7	515	3.93	12.6	1.3	1.7	15.0	12	<0.1	0.7	0.4	51	0.08	0.036
107243	Soil	0.8	19.6	18.7	88	0.3	28.2	12.8	264	3.69	5.7	1.1	0.8	12.4	17	0.1	0.5	0.4	46	0.21	0.232
107244	Soil	0.7	32.3	21.9	80	<0.1	31.9	15.4	369	3.51	8.3	1.6	1.4	20.3	13	0.1	0.5	0.3	45	0.13	0.031
107245	Soil	1.0	34.9	23.1	84	<0.1	30.4	13.8	430	3.53	9.2	2.5	10.2	19.1	15	0.1	0.8	0.3	48	0.12	0.025
107246	Soil	0.9	23.5	18.8	77	<0.1	28.2	13.0	368	3.46	10.0	1.1	2.4	10.7	12	0.2	0.7	0.3	46	0.12	0.040
107247	Soil	1.5	22.7	17.3	80	<0.1	26.0	13.1	483	3.55	11.6	1.3	1.3	8.2	10	0.1	0.7	0.3	50	0.07	0.032
107248	Soil	1.0	34.4	15.2	74	<0.1	38.8	13.0	400	3.79	9.1	2.2	1.7	20.6	15	<0.1	1.2	0.3	36	0.20	0.050
107249	Soil	0.5	30.0	10.9	70	<0.1	31.3	10.8	289	3.60	16.2	1.6	3.0	20.2	16	<0.1	0.7	0.3	36	0.22	0.049
107250	Soil	0.5	31.9	18.2	69	<0.1	30.5	12.7	333	3.94	28.4	2.2	2.8	21.3	14	<0.1	1.6	0.3	34	0.15	0.022
107251	Soil	0.2	28.3	16.2	62	<0.1	28.0	10.8	406	3.61	14.0	1.5	2.6	22.2	18	<0.1	0.6	0.3	33	0.28	0.058
107252	Soil	0.4	35.0	23.4	91	<0.1	36.7	17.5	613	4.30	35.2	1.5	6.8	29.3	14	<0.1	2.6	0.4	29	0.23	0.070
107253	Soil	0.5	49.1	20.5	96	<0.1	39.2	19.4	706	4.26	24.4	1.8	4.2	30.0	12	<0.1	2.0	0.4	25	0.30	0.073
107254	Soil	0.3	28.6	23.7	103	<0.1	31.9	16.5	632	4.02	48.1	1.0	4.2	26.0	10	<0.1	3.0	0.3	23	0.40	0.066
107255	Soil	0.4	33.6	16.6	90	<0.1	31.8	15.6	310	3.94	4.4	1.5	3.3	24.0	8	<0.1	0.3	0.3	38	0.33	0.065
107256	Soil	0.5	30.9	16.8	80	<0.1	35.1	16.0	408	3.82	8.8	1.7	2.3	23.5	10	<0.1	0.8	0.4	28	0.31	0.063
107257	Soil	1.1	34.8	18.4	81	0.2	26.0	7.2	178	3.01	129.6	1.9	6.1	14.8	34	0.2	2.9	0.2	25	0.26	0.062
107258	Soil	1.4	49.5	26.1	162	0.3	46.7	16.6	527	3.61	601.8	2.1	4.6	17.3	9	0.4	9.2	0.3	21	0.27	0.069
107259	Soil	0.6	49.0	21.1	101	<0.1	51.1	19.7	568	3.80	41.4	1.8	6.7	22.6	9	0.1	3.7	0.4	34	0.33	0.078
107260	Soil	0.6	50.1	18.3	101	<0.1	47.0	18.3	583	3.81	26.1	2.0	2.1	24.0	9	0.1	3.4	0.5	28	0.31	0.075



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
107241	Soil	14	34	0.49	104	0.047	2	1.43	0.004	0.12	0.2	0.02	2.5	0.3	<0.05	5	<0.5	<0.2
107242	Soil	22	35	0.54	116	0.085	1	1.72	0.004	0.30	0.1	0.03	3.4	0.4	<0.05	5	<0.5	<0.2
107243	Soil	24	32	0.69	195	0.133	1	1.86	0.006	0.45	0.1	0.01	2.9	0.4	<0.05	7	<0.5	<0.2
107244	Soil	35	35	0.70	240	0.120	<1	2.13	0.006	0.38	<0.1	0.02	2.6	0.4	<0.05	6	0.6	<0.2
107245	Soil	52	35	0.58	237	0.091	2	1.85	0.006	0.20	0.1	0.05	5.1	0.3	<0.05	5	0.8	<0.2
107246	Soil	19	33	0.47	134	0.050	1	1.81	0.006	0.12	0.1	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
107247	Soil	18	33	0.38	131	0.045	2	1.58	0.004	0.07	0.2	0.03	2.9	0.2	<0.05	5	0.6	<0.2
107248	Soil	40	38	0.71	236	0.185	<1	1.84	0.007	0.88	<0.1	0.01	3.2	0.6	<0.05	6	<0.5	<0.2
107249	Soil	54	36	0.73	217	0.215	1	1.83	0.007	0.95	<0.1	0.02	3.0	0.6	<0.05	6	0.7	<0.2
107250	Soil	49	35	0.64	240	0.172	<1	1.81	0.005	0.75	<0.1	0.02	3.8	0.5	<0.05	6	<0.5	<0.2
107251	Soil	57	38	0.76	221	0.195	1	1.85	0.007	0.93	<0.1	0.02	2.6	0.6	<0.05	6	<0.5	<0.2
107252	Soil	78	30	0.83	153	0.130	2	1.95	0.006	0.76	<0.1	0.03	2.9	0.4	<0.05	5	0.6	<0.2
107253	Soil	78	30	0.66	238	0.060	1	1.67	0.006	0.43	<0.1	0.02	4.0	0.3	<0.05	5	<0.5	<0.2
107254	Soil	49	28	0.71	254	0.103	<1	1.76	0.006	0.67	<0.1	0.07	2.1	0.4	<0.05	5	<0.5	<0.2
107255	Soil	44	43	0.92	223	0.198	1	1.97	0.007	1.07	<0.1	0.01	1.9	0.5	<0.05	6	<0.5	<0.2
107256	Soil	56	31	0.84	159	0.154	1	1.86	0.005	0.93	<0.1	0.02	2.4	0.6	<0.05	5	<0.5	<0.2
107257	Soil	42	19	0.29	171	0.005	1	1.24	0.005	0.20	<0.1	0.10	3.2	0.1	<0.05	3	<0.5	<0.2
107258	Soil	37	20	0.18	131	0.005	1	0.80	0.004	0.15	<0.1	0.11	3.9	0.2	<0.05	2	<0.5	<0.2
107259	Soil	34	39	0.96	192	0.087	1	1.94	0.005	0.63	<0.1	<0.01	2.8	0.4	<0.05	6	0.7	<0.2
107260	Soil	29	28	0.84	210	0.060	1	1.82	0.005	0.45	<0.1	<0.01	2.9	0.3	<0.05	5	0.7	<0.2



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Part 1

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
101084	Soil	1.7	57.8	26.7	149	0.2	58.5	19.8	1913	4.38	34.0	1.8	6.4	21.7	12	0.2	1.2	0.3	45	0.18	0.082
REP 101084	QC	1.8	56.3	25.5	148	0.2	59.3	20.6	1884	4.32	33.3	1.8	4.5	20.9	12	0.3	1.2	0.3	44	0.17	0.081
101107	Soil	1.1	22.1	21.7	77	<0.1	17.0	5.9	199	2.66	10.4	1.9	1.5	16.8	8	0.1	0.8	0.3	38	0.05	0.013
REP 101107	QC	1.2	21.5	21.1	76	<0.1	16.7	5.7	197	2.62	10.2	1.9	2.3	16.6	8	0.1	0.8	0.3	38	0.05	0.014
101126	Soil	1.2	27.3	12.6	58	<0.1	19.9	8.1	249	2.81	12.6	2.9	3.0	10.6	24	<0.1	1.0	0.2	51	0.24	0.037
REP 101126	QC	1.1	27.9	12.3	56	<0.1	19.7	8.3	258	2.76	12.1	3.0	3.2	10.3	25	<0.1	0.9	0.2	50	0.25	0.038
101134	Soil	1.3	29.3	15.9	69	<0.1	24.2	8.9	251	3.17	12.2	2.7	4.4	14.4	13	<0.1	1.0	0.3	55	0.10	0.017
REP 101134	QC	1.4	28.4	15.2	67	<0.1	23.2	9.2	261	3.17	12.0	2.6	4.1	14.0	13	0.1	0.9	0.3	56	0.11	0.017
103116	Soil	0.8	16.3	7.8	66	0.1	21.2	9.7	438	2.05	11.8	5.7	1.8	5.2	25	0.2	1.1	0.1	37	0.43	0.072
REP 103116	QC	0.7	16.4	7.7	67	0.1	21.3	9.6	435	2.09	11.9	5.8	2.9	5.2	24	0.2	1.1	0.1	39	0.42	0.067
104157	Soil	1.5	39.2	12.9	89	<0.1	31.8	12.0	439	3.03	12.3	2.3	4.6	7.0	23	0.1	1.1	0.2	61	0.25	0.046
REP 104157	QC	1.8	39.9	13.4	91	<0.1	32.2	12.1	449	3.14	12.3	2.3	4.7	6.9	24	0.2	1.1	0.2	61	0.26	0.048
104165	Soil	0.7	18.7	9.0	58	<0.1	18.3	9.8	377	2.84	7.8	1.6	4.5	5.7	18	<0.1	0.7	0.2	51	0.24	0.071
REP 104165	QC	0.7	18.3	8.9	60	<0.1	18.4	9.8	373	2.84	8.3	1.6	2.7	5.8	17	<0.1	0.6	0.2	51	0.25	0.072
104191	Soil	1.1	23.1	9.7	67	<0.1	23.6	11.7	405	3.08	11.1	2.4	3.9	9.0	15	<0.1	0.8	0.2	57	0.14	0.017
REP 104191	QC	0.9	22.9	9.7	62	<0.1	22.6	11.5	402	2.99	11.1	2.3	4.1	8.7	15	0.1	0.8	0.2	55	0.14	0.017
104209	Soil	1.2	39.6	12.8	67	<0.1	37.7	12.8	448	2.63	15.4	1.6	3.3	10.1	15	<0.1	0.8	0.3	41	0.11	0.017
REP 104209	QC	1.1	39.4	13.2	67	<0.1	36.5	12.1	449	2.64	15.7	1.6	4.9	10.2	15	<0.1	0.8	0.3	41	0.11	0.018
104222	Soil	1.1	47.2	49.0	839	<0.1	57.3	8.5	333	4.45	125.3	1.6	5.8	8.3	13	0.7	5.1	0.2	43	0.06	0.033
REP 104222	QC	1.3	46.2	51.0	815	<0.1	56.7	8.4	333	4.42	125.9	1.6	5.2	8.4	15	0.6	5.3	0.2	42	0.06	0.035
104238	Soil	1.8	64.0	23.5	91	<0.1	36.7	14.5	445	3.76	115.1	2.8	2.4	18.2	9	<0.1	7.8	0.3	35	0.08	0.025
REP 104238	QC	1.8	64.6	25.4	96	<0.1	37.0	14.7	462	3.83	114.1	2.9	2.9	18.7	9	<0.1	7.9	0.3	35	0.08	0.028
104260	Soil	1.1	48.8	8.2	69	0.2	15.8	15.1	594	3.94	5.2	0.8	3.4	3.9	14	<0.1	0.3	0.2	97	0.31	0.061
REP 104260	QC	1.0	47.9	7.1	68	0.2	15.6	15.0	584	3.87	4.8	0.8	3.8	4.0	13	<0.1	0.3	0.2	94	0.31	0.060
105108	Soil	1.5	44.6	16.7	98	<0.1	31.0	16.5	588	4.15	21.1	1.9	4.9	10.8	21	<0.1	2.2	0.1	63	0.21	0.027
REP 105108	QC	1.5	44.8	16.0	99	<0.1	31.2	16.3	597	4.15	20.9	1.9	2.9	10.7	20	<0.1	2.2	0.1	63	0.21	0.026
105119	Soil	1.2	17.9	14.7	75	0.1	22.0	11.2	434	3.05	14.5	1.4	3.0	5.9	11	<0.1	1.3	0.2	55	0.09	0.028
REP 105119	QC	1.2	16.8	14.1	72	0.1	22.6	11.2	429	3.04	13.8	1.3	1.7	5.9	10	<0.1	1.3	0.2	54	0.09	0.028



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
101084	Soil	63	39	0.59	352	0.114	<1	1.58	0.005	0.65	<0.1	0.05	4.6	0.7	<0.05	6	<0.5	<0.2
REP 101084	QC	63	39	0.58	361	0.114	<1	1.54	0.005	0.65	<0.1	0.05	4.5	0.7	<0.05	5	<0.5	0.3
101107	Soil	39	26	0.28	153	0.047	<1	1.30	0.005	0.08	<0.1	0.02	5.0	0.2	<0.05	4	<0.5	<0.2
REP 101107	QC	38	26	0.27	148	0.046	<1	1.23	0.004	0.08	0.1	0.03	5.1	0.2	<0.05	4	<0.5	<0.2
101126	Soil	26	32	0.47	362	0.066	<1	1.52	0.009	0.06	0.2	0.05	5.4	0.1	<0.05	5	0.6	<0.2
REP 101126	QC	26	32	0.48	356	0.066	<1	1.56	0.009	0.07	0.2	0.05	5.2	0.2	<0.05	5	<0.5	<0.2
101134	Soil	50	37	0.54	290	0.061	<1	2.01	0.008	0.06	0.2	0.08	5.8	0.2	<0.05	6	0.5	<0.2
REP 101134	QC	50	37	0.52	286	0.064	1	1.98	0.009	0.07	0.2	0.08	6.0	0.2	<0.05	6	0.8	<0.2
103116	Soil	18	24	0.45	292	0.053	<1	1.05	0.012	0.08	0.4	0.06	2.6	0.1	<0.05	3	0.9	<0.2
REP 103116	QC	18	25	0.44	287	0.054	<1	1.05	0.011	0.08	0.3	0.06	2.7	0.1	<0.05	3	0.6	<0.2
104157	Soil	33	38	0.61	429	0.058	2	1.78	0.011	0.07	0.2	0.09	4.9	<0.1	<0.05	5	<0.5	<0.2
REP 104157	QC	32	38	0.61	415	0.057	2	1.79	0.010	0.06	0.2	0.09	5.1	<0.1	<0.05	5	0.9	<0.2
104165	Soil	26	31	0.67	330	0.095	1	1.75	0.011	0.23	0.2	0.03	3.8	0.2	<0.05	5	<0.5	<0.2
REP 104165	QC	25	32	0.65	316	0.095	2	1.70	0.010	0.24	0.1	0.03	3.9	0.2	<0.05	5	<0.5	<0.2
104191	Soil	39	55	0.80	261	0.118	<1	1.93	0.010	0.13	0.1	0.04	3.9	0.2	<0.05	6	0.7	<0.2
REP 104191	QC	38	54	0.78	261	0.120	<1	1.89	0.012	0.13	0.1	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
104209	Soil	23	27	0.33	260	0.044	<1	1.46	0.006	0.13	<0.1	0.04	5.1	0.2	<0.05	5	<0.5	0.3
REP 104209	QC	23	28	0.34	271	0.045	<1	1.52	0.006	0.13	<0.1	0.04	5.1	0.2	<0.05	5	0.5	<0.2
104222	Soil	20	25	0.23	268	0.019	1	0.81	0.004	0.07	0.1	0.23	6.8	0.2	<0.05	3	0.6	<0.2
REP 104222	QC	21	25	0.24	276	0.021	1	0.86	0.004	0.08	0.1	0.23	6.8	0.2	<0.05	3	<0.5	<0.2
104238	Soil	50	24	0.46	165	0.090	<1	1.18	0.005	0.35	<0.1	0.09	4.5	0.3	<0.05	4	0.8	<0.2
REP 104238	QC	53	25	0.47	172	0.095	1	1.23	0.006	0.36	<0.1	0.09	4.8	0.3	<0.05	4	0.7	<0.2
104260	Soil	13	30	1.01	384	0.125	2	1.99	0.010	0.25	<0.1	0.02	8.8	0.1	<0.05	7	0.6	<0.2
REP 104260	QC	13	30	0.97	378	0.124	<1	1.96	0.010	0.24	<0.1	0.03	8.5	0.1	<0.05	7	0.7	<0.2
105108	Soil	30	51	0.97	532	0.101	<1	2.58	0.006	0.34	<0.1	0.24	7.9	0.5	<0.05	7	0.6	<0.2
REP 105108	QC	29	51	0.94	534	0.101	1	2.53	0.006	0.32	<0.1	0.23	7.8	0.4	<0.05	7	0.9	<0.2
105119	Soil	13	44	0.55	237	0.074	<1	1.81	0.005	0.11	0.2	0.04	2.8	0.2	<0.05	6	0.5	<0.2
REP 105119	QC	13	43	0.55	240	0.075	<1	1.79	0.005	0.11	0.2	0.06	2.8	0.2	<0.05	5	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
107201	Soil	0.8	49.8	24.7	105	<0.1	33.3	21.0	810	4.40	26.5	1.4	<0.5	10.1	12	<0.1	22.3	0.4	47	0.15	0.036
REP 107201	QC	0.8	51.3	22.5	108	<0.1	34.7	21.2	818	4.39	26.2	1.5	0.6	10.0	11	<0.1	21.6	0.4	46	0.15	0.035
107227	Soil	1.0	47.3	9.2	64	<0.1	32.5	11.2	513	2.34	15.5	2.3	3.3	16.6	7	<0.1	2.5	0.4	28	0.02	0.029
REP 107227	QC	1.1	46.7	10.0	64	<0.1	33.1	10.9	511	2.27	15.1	2.2	3.8	16.5	8	0.1	2.5	0.3	28	0.02	0.028
107248	Soil	1.0	34.4	15.2	74	<0.1	38.8	13.0	400	3.79	9.1	2.2	1.7	20.6	15	<0.1	1.2	0.3	36	0.20	0.050
REP 107248	QC	0.9	33.6	15.1	74	<0.1	37.3	12.6	404	3.73	9.0	2.1	1.3	19.8	14	<0.1	1.1	0.3	36	0.19	0.048
107254	Soil	0.3	28.6	23.7	103	<0.1	31.9	16.5	632	4.02	48.1	1.0	4.2	26.0	10	<0.1	3.0	0.3	23	0.40	0.066
REP 107254	QC	0.3	28.6	22.8	101	<0.1	31.1	17.3	643	4.13	47.6	1.1	2.3	26.5	10	0.2	3.1	0.3	23	0.39	0.062
Reference Materials																					
STD DS8	Standard	13.5	109.3	127.1	322	1.7	37.9	7.4	601	2.43	25.8	2.8	105.7	6.8	70	2.3	5.8	6.8	41	0.68	0.082
STD DS8	Standard	12.9	107.8	122.0	315	1.7	37.9	7.5	618	2.43	26.6	2.7	98.6	6.7	68	2.1	6.0	6.7	43	0.68	0.079
STD DS8	Standard	13.1	110.2	121.5	307	1.7	38.1	7.6	610	2.38	25.8	2.7	98.2	6.5	65	2.1	5.7	6.1	42	0.65	0.079
STD DS8	Standard	12.6	112.6	119.4	310	1.7	36.9	7.4	591	2.32	25.2	2.5	107.1	6.2	65	2.4	5.6	6.0	41	0.63	0.078
STD DS8	Standard	14.2	114.0	128.3	325	1.7	39.0	7.7	603	2.37	25.1	2.9	113.6	7.0	61	2.2	5.5	6.9	43	0.67	0.078
STD DS8	Standard	14.4	115.6	126.5	327	1.9	40.9	8.2	642	2.56	27.9	2.7	118.8	6.9	67	2.2	6.1	6.5	44	0.71	0.086
STD DS8	Standard	12.9	115.4	124.5	331	1.8	41.3	8.0	629	2.48	27.1	2.7	106.7	6.8	67	2.2	6.0	6.5	43	0.64	0.083
STD DS8	Standard	14.0	116.0	122.2	327	1.7	39.7	7.9	631	2.51	27.5	2.8	107.3	6.8	69	2.2	6.0	6.5	44	0.69	0.082
STD DS8	Standard	12.5	99.8	116.6	289	1.7	35.3	7.0	566	2.27	23.5	2.7	109.3	6.5	63	2.2	5.4	6.0	39	0.64	0.069
STD DS8	Standard	12.7	101.5	119.5	302	1.8	35.7	7.2	599	2.34	24.7	2.6	114.7	6.5	63	2.1	5.6	6.4	39	0.63	0.071
STD DS8	Standard	14.9	124.4	134.5	348	1.9	43.0	8.3	669	2.68	30.6	3.2	116.4	7.9	75	2.6	6.5	8.0	45	0.73	0.086
STD DS8	Standard	14.1	118.6	132.2	343	1.9	39.2	7.9	638	2.62	28.6	3.1	114.6	7.5	74	2.7	6.7	7.7	44	0.70	0.081
STD DS8	Standard	12.9	120.7	128.9	342	1.8	40.2	7.9	638	2.61	29.0	2.9	111.1	6.9	70	2.4	6.6	7.6	42	0.72	0.082
STD DS8	Standard	13.7	122.1	137.8	344	1.9	41.3	8.2	667	2.67	29.6	3.2	118.0	7.8	74	2.7	6.5	7.7	46	0.72	0.081
STD DS8	Standard	12.4	110.2	116.1	307	1.7	34.6	6.9	574	2.26	23.2	2.7	107.5	6.9	65	2.3	5.7	6.3	39	0.61	0.066
STD DS8	Standard	13.0	110.7	115.3	305	1.7	36.9	7.1	583	2.35	24.0	2.8	104.6	7.0	69	2.4	5.8	6.3	40	0.67	0.077
STD DS8	Standard	14.8	115.8	121.9	327	1.8	40.4	7.9	653	2.53	28.1	2.6	107.1	6.7	65	2.4	5.5	6.6	44	0.70	0.083
STD DS8	Standard	14.0	115.3	121.1	332	1.8	40.5	7.8	629	2.51	27.9	2.7	124.3	6.7	64	2.2	5.7	6.6	43	0.69	0.085
STD DS8	Standard	13.6	120.6	134.8	347	1.9	42.1	8.2	654	2.65	29.7	2.8	127.8	6.8	65	2.6	6.3	7.1	44	0.73	0.092
STD DS8	Standard	13.8	121.5	132.9	352	2.0	43.9	8.5	677	2.69	29.5	2.8	117.9	6.9	67	2.7	6.0	7.3	46	0.74	0.093



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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
107201	Soil	15	39	0.52	209	0.073	10	1.58	0.003	0.45	<0.1	0.78	6.7	0.6	<0.05	5	0.6	<0.2
REP 107201	QC	14	38	0.54	210	0.076	8	1.64	0.003	0.44	0.1	0.79	6.9	0.6	<0.05	5	0.5	<0.2
107227	Soil	35	20	0.06	120	0.003	<1	0.85	0.002	0.04	<0.1	0.03	3.4	0.1	<0.05	2	0.6	<0.2
REP 107227	QC	34	20	0.06	125	0.004	<1	0.86	0.003	0.05	<0.1	0.03	3.6	0.1	<0.05	2	<0.5	<0.2
107248	Soil	40	38	0.71	236	0.185	<1	1.84	0.007	0.88	<0.1	0.01	3.2	0.6	<0.05	6	<0.5	<0.2
REP 107248	QC	39	38	0.67	230	0.188	<1	1.78	0.007	0.89	<0.1	0.01	3.1	0.6	<0.05	6	0.5	<0.2
107254	Soil	49	28	0.71	254	0.103	<1	1.76	0.006	0.67	<0.1	0.07	2.1	0.4	<0.05	5	<0.5	<0.2
REP 107254	QC	49	28	0.73	258	0.104	1	1.82	0.006	0.68	<0.1	0.07	2.1	0.4	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	119	0.62	276	0.115	3	0.90	0.090	0.42	3.2	0.20	2.2	5.4	0.18	5	5.3	4.8
STD DS8	Standard	14	123	0.61	281	0.117	2	0.90	0.092	0.42	3.1	0.21	2.3	5.4	0.18	5	5.7	5.3
STD DS8	Standard	14	120	0.61	269	0.116	2	0.88	0.096	0.43	3.0	0.20	1.9	5.3	0.12	5	4.7	4.2
STD DS8	Standard	14	116	0.60	261	0.114	2	0.88	0.090	0.42	2.8	0.21	1.9	5.1	0.14	5	4.9	4.0
STD DS8	Standard	14	121	0.60	282	0.112	3	0.92	0.094	0.41	3.3	0.19	2.0	5.3	0.18	5	5.2	4.3
STD DS8	Standard	15	124	0.63	277	0.119	3	0.97	0.098	0.45	2.9	0.20	2.3	5.3	0.18	5	5.4	5.2
STD DS8	Standard	14	119	0.63	273	0.119	2	0.91	0.090	0.43	3.0	0.22	2.1	5.4	0.14	5	5.5	5.0
STD DS8	Standard	15	122	0.63	291	0.124	<1	0.95	0.094	0.45	3.2	0.20	2.2	5.4	0.15	5	5.4	3.3
STD DS8	Standard	13	111	0.57	246	0.110	3	0.84	0.085	0.40	2.7	0.20	1.8	4.9	0.15	4	5.6	4.6
STD DS8	Standard	13	113	0.57	250	0.111	3	0.85	0.090	0.42	2.8	0.21	2.1	5.0	0.16	5	5.3	5.1
STD DS8	Standard	16	125	0.64	303	0.135	2	0.96	0.081	0.43	3.4	0.22	2.2	5.9	0.18	5	6.3	4.8
STD DS8	Standard	16	124	0.62	304	0.128	3	0.90	0.082	0.42	3.1	0.24	2.1	5.7	0.14	5	6.1	5.2
STD DS8	Standard	13	122	0.64	276	0.126	2	0.89	0.085	0.44	3.1	0.23	2.0	5.4	0.17	5	5.4	5.0
STD DS8	Standard	16	125	0.61	298	0.131	3	0.88	0.082	0.43	3.2	0.23	2.1	5.7	0.13	5	6.4	5.6
STD DS8	Standard	14	110	0.56	269	0.112	2	0.80	0.076	0.38	3.0	0.20	1.9	5.0	0.14	4	4.9	5.0
STD DS8	Standard	15	112	0.61	288	0.125	3	0.87	0.087	0.40	3.0	0.19	1.9	5.2	0.15	5	5.7	5.2
STD DS8	Standard	15	122	0.64	295	0.117	4	0.95	0.094	0.42	2.9	0.18	2.0	5.4	0.19	5	5.9	5.0
STD DS8	Standard	15	120	0.64	291	0.116	3	0.96	0.092	0.42	3.0	0.18	2.0	5.3	0.17	5	6.7	5.1
STD DS8	Standard	13	126	0.67	300	0.115	2	0.96	0.091	0.45	3.3	0.24	1.9	5.5	0.12	5	4.8	5.6
STD DS8	Standard	13	130	0.67	289	0.114	4	0.95	0.088	0.46	3.4	0.23	1.8	5.6	0.15	5	6.3	4.9



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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
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
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
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
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
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
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
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
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
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
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
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



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Taku Gold Corp

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Submitted By: Mark Fekete

Receiving Lab: Canada-Whitehorse

Received: June 22, 2011

Report Date: July 03, 2011

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CERTIFICATE OF ANALYSIS

WHI11000283.1

CLIENT JOB INFORMATION

Project: WMOOSE
Shipment ID: 20110617100612
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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Greg Davidson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** 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:

WMOOSE

Report Date:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000283.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
107261	Soil	1.1	36.7	15.3	80	0.2	33.3	9.4	352	3.01	34.6	2.4	3.8	15.6	11	0.1	5.8	0.2	33	0.41	0.095
107262	Soil	0.9	32.3	12.1	68	0.2	30.2	10.3	347	2.69	19.1	0.8	2.9	6.5	21	<0.1	1.0	0.2	46	0.44	0.069
107263	Soil	0.7	55.7	13.1	83	0.4	62.1	11.5	1235	1.96	13.2	0.9	5.9	11.7	13	0.5	1.5	0.2	38	0.65	0.056
107264	Soil	0.8	42.5	14.5	77	<0.1	33.5	12.3	717	3.57	24.0	0.8	3.9	5.2	9	<0.1	0.8	0.2	66	0.34	0.030
107265	Soil	1.3	48.0	15.9	89	0.2	45.2	13.7	465	3.43	32.1	1.7	4.1	12.5	16	0.2	2.5	0.3	50	0.42	0.075
107266	Soil	1.2	34.7	13.7	81	0.1	29.5	10.3	331	3.15	15.0	1.3	3.9	7.4	23	0.1	0.8	0.2	55	0.32	0.055
107267	Soil	0.7	42.2	11.8	89	<0.1	46.7	16.9	503	4.20	13.0	2.4	2.5	9.9	15	<0.1	0.3	0.2	76	0.35	0.098
107268	Soil	0.8	26.3	9.5	66	<0.1	27.7	9.5	415	3.10	10.3	1.1	2.0	6.4	25	<0.1	0.4	0.2	59	0.43	0.069
107269	Soil	0.9	21.6	8.8	58	<0.1	18.7	7.8	205	2.73	11.3	0.8	0.7	5.0	17	<0.1	0.4	0.2	51	0.27	0.055
107270	Soil	0.9	37.8	10.1	68	0.1	30.9	9.6	275	3.11	10.5	2.0	7.6	8.3	18	<0.1	0.5	0.2	55	0.28	0.058
107271	Soil	0.7	65.8	5.5	75	<0.1	16.1	9.2	503	3.33	5.4	0.4	0.8	2.7	9	0.1	0.5	<0.1	30	0.13	0.032
107272	Soil	0.6	46.5	4.8	81	<0.1	18.8	13.4	640	3.61	3.3	0.4	<0.5	2.2	7	<0.1	1.2	<0.1	72	0.15	0.037
107273	Soil	0.6	93.3	4.3	101	<0.1	19.2	15.3	552	3.96	3.4	0.8	2.4	3.9	18	<0.1	0.5	<0.1	100	0.27	0.022
107274	Soil	0.4	44.7	5.3	78	<0.1	30.6	17.4	654	3.70	3.4	1.2	<0.5	4.1	16	<0.1	3.4	<0.1	86	0.26	0.008
107275	Soil	0.5	29.3	4.6	80	<0.1	15.2	16.1	489	3.65	3.4	0.9	<0.5	5.1	16	<0.1	0.8	0.1	78	0.37	0.059
107276	Soil	0.4	49.8	3.8	78	<0.1	39.8	15.6	594	3.05	2.4	0.4	1.5	2.4	9	<0.1	0.3	<0.1	60	0.21	0.023
107277	Soil	0.7	32.9	6.2	65	0.1	20.4	10.7	496	3.08	3.4	0.5	1.8	3.1	10	<0.1	0.3	0.1	73	0.20	0.036
107278	Soil	0.7	126.2	2.8	93	<0.1	17.9	19.9	602	4.47	0.8	0.3	0.8	1.1	7	<0.1	0.2	<0.1	130	0.18	0.027
107279	Soil	0.7	59.0	4.3	110	<0.1	22.0	22.5	1253	4.85	0.9	0.4	1.9	1.5	9	<0.1	0.3	<0.1	138	0.26	0.028
107280	Soil	0.4	106.3	2.5	60	<0.1	14.4	19.0	521	3.16	0.8	0.3	1.5	1.6	7	<0.1	0.1	0.1	95	0.25	0.040
107281	Soil	0.5	78.3	5.1	90	<0.1	18.5	14.6	871	3.95	1.6	0.5	1.1	2.8	10	<0.1	0.2	0.1	71	0.32	0.031
107282	Soil	1.9	97.5	3.9	87	<0.1	17.1	21.0	1464	3.97	1.2	0.9	2.5	1.8	8	<0.1	0.3	<0.1	72	0.26	0.076
107283	Soil	1.1	64.8	16.7	70	0.2	17.3	11.0	302	2.96	4.5	0.8	5.4	3.5	14	<0.1	0.3	0.1	67	0.22	0.043
107284	Soil	2.2	35.6	7.3	59	<0.1	6.8	21.7	713	5.91	0.6	1.6	3.4	4.0	10	<0.1	0.2	0.2	154	0.15	0.044
107285	Soil	0.4	65.0	2.1	53	<0.1	3.9	7.7	552	3.84	<0.5	0.7	2.4	1.4	11	<0.1	0.5	<0.1	60	0.30	0.084
107286	Soil	1.1	70.4	3.9	45	0.2	5.5	13.0	701	4.82	2.6	1.3	1.4	1.6	25	<0.1	0.2	<0.1	43	0.19	0.072
107287	Soil	0.6	53.2	5.3	138	<0.1	16.8	18.5	1307	4.11	0.6	0.5	<0.5	3.1	13	<0.1	0.2	<0.1	66	0.35	0.036
107288	Soil	0.8	69.5	9.9	58	0.2	25.1	11.9	466	3.05	7.2	1.0	4.5	4.0	12	<0.1	0.5	0.1	66	0.19	0.032
107289	Soil	0.6	38.5	6.6	57	<0.1	20.4	13.4	370	2.82	5.5	0.4	1.5	3.3	11	0.1	0.4	<0.1	56	0.17	0.025
107290	Soil	0.9	36.1	9.1	59	0.2	20.3	10.9	360	2.87	8.0	0.9	2.0	4.5	11	0.1	0.5	0.2	57	0.17	0.025



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
107261	Soil	39	29	0.54	260	0.013	<1	1.60	0.003	0.24	<0.1	0.04	3.0	0.2	<0.05	4	<0.5
107262	Soil	34	32	0.64	274	0.047	<1	1.41	0.011	0.07	0.2	0.04	3.9	<0.1	<0.05	4	0.8
107263	Soil	69	41	1.44	240	0.022	<1	1.88	0.003	0.08	0.1	0.07	7.4	0.2	<0.05	6	<0.5
107264	Soil	15	116	1.25	247	0.112	<1	1.96	0.006	0.47	0.1	0.02	10.3	0.2	<0.05	7	<0.5
107265	Soil	37	58	0.82	271	0.064	<1	2.12	0.006	0.37	<0.1	0.03	5.0	0.3	<0.05	6	0.6
107266	Soil	22	46	0.63	407	0.085	<1	1.84	0.011	0.18	0.2	0.04	4.9	0.1	<0.05	5	<0.5
107267	Soil	32	106	1.46	570	0.154	<1	2.67	0.007	1.08	0.1	0.01	7.9	0.5	<0.05	8	0.7
107268	Soil	17	87	1.02	395	0.098	<1	1.99	0.010	0.37	0.2	0.01	5.4	0.2	<0.05	6	<0.5
107269	Soil	16	41	0.73	240	0.085	<1	1.61	0.007	0.21	0.1	0.02	2.9	0.1	<0.05	5	<0.5
107270	Soil	28	60	0.92	337	0.112	<1	1.81	0.008	0.48	0.1	0.02	5.0	0.2	<0.05	5	<0.5
107271	Soil	7	14	0.73	216	0.141	<1	2.11	0.005	0.39	0.1	<0.01	3.5	0.3	<0.05	5	<0.5
107272	Soil	5	40	1.27	244	0.153	<1	2.34	0.009	0.42	0.2	0.01	5.1	0.2	<0.05	8	<0.5
107273	Soil	23	34	1.61	682	0.178	<1	2.53	0.012	0.42	0.1	0.03	11.4	0.2	<0.05	9	<0.5
107274	Soil	28	53	1.49	593	0.182	<1	2.56	0.008	0.50	0.2	0.10	7.5	0.3	<0.05	6	<0.5
107275	Soil	22	23	1.68	399	0.105	1	2.33	0.014	0.22	<0.1	<0.01	7.8	0.2	<0.05	9	<0.5
107276	Soil	14	85	1.34	374	0.160	<1	2.14	0.009	0.54	0.1	<0.01	4.4	0.4	<0.05	6	<0.5
107277	Soil	11	52	1.06	450	0.152	<1	1.94	0.009	0.44	0.1	<0.01	5.2	0.2	<0.05	8	<0.5
107278	Soil	5	20	1.56	292	0.214	<1	2.71	0.010	0.85	<0.1	<0.01	8.2	0.4	<0.05	9	<0.5
107279	Soil	6	57	1.98	272	0.175	<1	2.85	0.010	0.89	<0.1	<0.01	9.8	0.4	<0.05	8	<0.5
107280	Soil	17	73	1.51	279	0.147	<1	2.17	0.015	0.48	<0.1	<0.01	6.4	0.3	<0.05	7	<0.5
107281	Soil	7	37	1.49	321	0.180	<1	2.49	0.010	0.68	<0.1	0.01	8.3	0.4	<0.05	8	<0.5
107282	Soil	12	26	1.82	295	0.228	<1	2.43	0.006	0.87	0.1	0.01	4.7	0.6	<0.05	6	<0.5
107283	Soil	14	26	0.95	393	0.083	1	1.70	0.008	0.19	<0.1	<0.01	6.2	0.1	<0.05	6	<0.5
107284	Soil	21	5	1.55	645	0.288	1	2.90	0.009	1.26	0.2	0.03	13.1	0.8	<0.05	10	1.2
107285	Soil	10	3	0.85	270	0.110	2	1.72	0.008	0.42	0.2	<0.01	8.4	0.2	<0.05	7	<0.5
107286	Soil	12	4	0.87	314	0.164	1	1.67	0.026	0.72	0.1	<0.01	5.5	0.3	0.16	6	<0.5
107287	Soil	13	140	1.98	404	0.192	<1	2.58	0.009	1.01	0.1	0.03	8.9	0.5	<0.05	7	<0.5
107288	Soil	14	27	0.57	242	0.080	1	1.72	0.008	0.11	0.1	0.04	6.3	0.2	<0.05	5	<0.5
107289	Soil	8	31	0.90	225	0.116	1	2.03	0.010	0.24	<0.1	<0.01	3.5	0.1	<0.05	5	<0.5
107290	Soil	17	31	0.60	256	0.084	1	1.79	0.007	0.08	<0.1	0.02	4.1	0.1	<0.05	5	<0.5



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
107291	Soil	0.7	35.1	6.6	64	<0.1	24.3	14.1	461	3.12	3.5	0.3	<0.5	2.1	14	<0.1	0.3	0.1	84	0.21	0.051
107292	Soil	0.7	29.7	7.8	65	<0.1	26.0	11.4	299	2.68	3.0	0.6	1.6	3.1	17	<0.1	0.3	0.1	71	0.18	0.039
107293	Soil	0.8	17.5	8.5	62	<0.1	17.7	8.8	271	2.58	5.2	0.6	<0.5	4.0	11	<0.1	0.4	0.1	56	0.15	0.023
107294	Soil	0.9	25.9	11.0	74	<0.1	23.5	11.3	413	3.18	5.2	1.3	2.0	11.2	14	<0.1	0.6	0.1	47	0.25	0.037
107295	Soil	0.7	70.7	8.2	68	<0.1	22.7	12.4	326	3.31	3.9	0.6	0.8	4.0	12	<0.1	0.2	0.1	85	0.28	0.048
107296	Soil	0.8	66.6	9.4	47	<0.1	16.8	10.1	236	2.57	3.0	0.4	2.3	2.0	11	<0.1	0.3	<0.1	75	0.20	0.040
107297	Soil	0.7	74.4	6.2	77	<0.1	29.3	16.9	415	3.69	2.6	0.3	0.6	1.8	12	<0.1	8.6	<0.1	96	0.40	0.062
107298	Soil	0.7	22.5	9.2	53	<0.1	14.6	10.4	330	2.51	3.2	0.6	0.6	10.3	11	<0.1	1.1	<0.1	45	0.28	0.061
107299	Soil	0.6	31.5	5.9	53	<0.1	18.2	8.6	265	2.23	4.5	0.6	2.4	5.5	15	0.1	1.0	<0.1	49	0.34	0.067
108264	Soil	1.6	37.8	23.4	150	0.2	38.2	14.5	560	3.84	4.9	2.2	<0.5	11.4	21	0.2	0.4	0.2	56	0.16	0.076
108265	Soil	2.3	36.1	24.0	176	0.2	44.3	21.7	866	3.55	5.4	2.5	0.7	14.6	29	0.3	0.2	0.1	50	0.25	0.104
108266	Soil	1.4	37.1	16.5	91	<0.1	33.6	16.3	571	3.42	11.0	2.0	<0.5	9.5	16	<0.1	0.4	0.2	51	0.17	0.061
108267	Soil	1.2	39.3	18.8	110	0.1	36.1	12.7	647	2.86	13.3	2.4	13.4	13.1	13	0.3	0.2	0.1	28	0.14	0.062
108268	Soil	1.5	34.0	21.5	106	<0.1	40.7	12.3	529	3.35	16.1	1.5	2.0	9.6	8	0.3	0.3	0.2	61	0.11	0.060
108269	Soil	1.1	33.9	15.1	92	<0.1	34.3	11.0	388	2.62	8.7	1.7	2.3	9.5	12	0.1	0.5	0.1	43	0.14	0.057
108270	Soil	0.9	27.3	13.4	67	<0.1	28.7	8.1	232	2.07	9.0	1.5	5.1	6.3	13	0.1	0.5	0.1	41	0.17	0.051
108271	Soil	1.4	16.9	16.1	75	0.2	18.0	6.2	217	2.88	13.5	0.8	2.2	3.1	7	0.2	0.6	0.2	55	0.06	0.054
108272	Soil	2.1	31.4	19.8	91	0.1	30.3	9.9	259	2.55	5.2	2.4	3.1	11.5	14	0.2	0.4	0.2	30	0.10	0.070
108273	Soil	1.4	40.0	18.1	114	0.1	35.8	12.7	509	3.24	5.7	2.3	1.0	15.4	7	0.2	0.4	0.2	43	0.17	0.091
108274	Soil	1.1	24.5	19.4	71	0.2	24.6	7.8	471	1.86	3.7	1.8	2.5	10.7	9	0.2	0.3	0.2	33	0.15	0.058
108275	Soil	0.5	29.7	19.8	77	0.1	19.6	8.1	370	1.76	3.0	0.9	2.7	8.5	8	<0.1	0.3	0.2	26	0.17	0.049
108276	Soil	0.8	36.6	24.9	81	<0.1	27.5	11.4	514	3.19	2.4	2.1	3.2	19.6	14	0.1	0.3	0.3	32	0.22	0.051
108277	Soil	2.3	62.1	23.8	123	0.2	98.9	15.2	653	4.20	11.3	3.1	2.5	9.3	36	0.2	0.2	0.6	57	0.21	0.071
108278	Soil	0.9	36.5	9.4	106	<0.1	33.0	12.2	292	2.93	13.7	2.3	2.3	16.6	9	<0.1	0.1	0.2	36	0.18	0.066
108279	Soil	1.2	31.6	8.0	76	<0.1	22.5	6.1	402	2.70	3.8	2.5	2.3	13.8	21	0.1	0.2	0.3	28	0.07	0.050
108280	Soil	1.9	63.9	5.6	124	0.4	88.7	15.8	1696	1.90	7.4	2.2	1.9	3.8	15	0.3	0.3	0.2	45	0.28	0.071
108281	Soil	1.1	46.1	7.0	100	<0.1	44.8	12.5	572	2.16	3.4	0.9	1.1	5.9	8	<0.1	0.1	0.1	32	0.09	0.034
108282	Soil	1.3	39.2	11.0	84	<0.1	28.5	8.8	419	2.42	31.0	1.4	1.3	13.3	12	<0.1	0.4	0.2	35	0.13	0.039
108283	Soil	1.7	24.1	12.1	73	<0.1	34.9	16.8	637	3.77	17.7	2.7	1.1	23.3	13	<0.1	0.4	0.3	66	0.33	0.067
108284	Soil	1.3	12.8	12.5	67	<0.1	21.9	11.2	359	3.12	9.2	0.7	0.8	12.8	9	0.1	0.5	0.2	53	0.10	0.027



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
107291	Soil	6	49	1.04	296	0.146	2	2.04	0.012	0.38	<0.1	<0.01	3.5	0.1	<0.05	7	<0.5
107292	Soil	8	74	1.18	565	0.170	2	1.96	0.010	0.36	0.1	0.01	2.9	0.2	<0.05	7	<0.5
107293	Soil	10	42	0.75	217	0.127	<1	1.64	0.008	0.15	0.1	0.01	2.7	0.1	<0.05	6	<0.5
107294	Soil	54	47	0.82	412	0.142	2	1.92	0.007	0.29	0.2	0.02	6.8	0.3	<0.05	7	<0.5
107295	Soil	17	46	1.06	380	0.182	<1	1.95	0.011	0.37	0.2	0.01	3.8	0.2	<0.05	7	<0.5
107296	Soil	8	36	0.72	213	0.112	<1	1.58	0.012	0.14	0.2	0.01	3.0	0.1	<0.05	6	<0.5
107297	Soil	6	62	1.06	272	0.104	2	1.76	0.017	0.24	<0.1	0.20	5.7	0.2	<0.05	6	<0.5
107298	Soil	10	31	0.70	129	0.112	<1	1.34	0.012	0.36	0.2	0.01	3.5	0.3	<0.05	6	<0.5
107299	Soil	16	30	0.60	266	0.086	<1	1.17	0.014	0.13	0.2	0.01	3.5	<0.1	<0.05	4	<0.5
108264	Soil	30	39	0.69	210	0.088	<1	2.18	0.004	0.34	0.1	0.01	3.1	0.4	<0.05	6	0.7
108265	Soil	43	39	0.80	261	0.082	<1	2.03	0.004	0.44	<0.1	0.02	3.2	0.5	<0.05	6	<0.5
108266	Soil	33	46	0.67	181	0.029	<1	1.86	0.005	0.18	<0.1	0.03	3.2	0.3	<0.05	6	<0.5
108267	Soil	40	19	0.24	203	0.010	2	1.27	0.004	0.15	<0.1	0.02	2.3	0.2	<0.05	4	<0.5
108268	Soil	20	71	0.84	119	0.117	<1	2.14	0.004	0.42	0.1	<0.01	2.2	0.4	<0.05	6	<0.5
108269	Soil	41	28	0.45	161	0.040	<1	1.48	0.005	0.13	<0.1	0.01	2.9	0.2	<0.05	5	1.0
108270	Soil	29	25	0.41	185	0.045	1	1.35	0.006	0.10	0.2	<0.01	3.0	0.1	<0.05	4	<0.5
108271	Soil	15	28	0.28	80	0.038	1	1.30	0.004	0.07	0.1	<0.01	1.6	0.1	<0.05	5	<0.5
108272	Soil	41	21	0.18	99	0.005	1	1.22	0.004	0.10	<0.1	0.02	1.4	0.3	<0.05	3	<0.5
108273	Soil	17	32	0.36	150	0.047	<1	1.65	0.004	0.28	<0.1	<0.01	2.1	0.6	<0.05	5	<0.5
108274	Soil	31	21	0.32	122	0.038	<1	0.90	0.003	0.23	<0.1	0.02	1.9	0.4	<0.05	3	<0.5
108275	Soil	25	18	0.35	167	0.040	<1	0.89	0.002	0.27	<0.1	0.01	1.4	0.4	<0.05	3	<0.5
108276	Soil	40	39	0.65	175	0.059	1	1.65	0.005	0.35	<0.1	0.04	3.4	0.4	<0.05	7	<0.5
108277	Soil	25	93	1.61	433	0.087	<1	2.33	0.021	0.28	0.1	0.01	5.0	0.5	0.28	7	1.1
108278	Soil	35	26	0.67	235	0.059	1	1.66	0.004	0.35	<0.1	0.01	3.1	0.3	<0.05	5	<0.5
108279	Soil	46	19	0.22	217	0.036	<1	1.08	0.002	0.19	<0.1	0.02	2.6	0.2	<0.05	3	<0.5
108280	Soil	22	25	1.22	482	0.020	<1	1.34	0.002	0.02	0.1	0.03	4.8	0.3	<0.05	4	<0.5
108281	Soil	14	18	0.85	686	0.030	<1	1.47	0.005	0.16	<0.1	0.01	3.1	0.2	<0.05	5	<0.5
108282	Soil	31	22	0.47	257	0.028	1	0.93	0.003	0.20	<0.1	0.03	4.2	0.3	<0.05	4	<0.5
108283	Soil	54	94	1.33	238	0.072	<1	1.73	0.005	0.37	0.1	0.01	7.7	0.3	<0.05	8	<0.5
108284	Soil	11	42	0.67	152	0.084	1	1.81	0.005	0.17	0.1	0.02	3.2	0.2	<0.05	6	<0.5



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
108285	Soil				1.2	17.3	7.4	49	<0.1	19.9	8.8	239	2.54	8.8	0.7	<0.5	7.1	8	<0.1	0.4	0.2	47	0.09	0.024
108286	Soil				0.8	12.5	5.5	54	<0.1	26.4	11.6	319	2.72	7.0	0.8	<0.5	3.8	15	<0.1	0.3	<0.1	55	0.20	0.035
108287	Soil				0.9	8.4	9.7	74	<0.1	19.5	11.1	311	3.35	6.2	0.4	<0.5	4.1	12	<0.1	0.4	0.1	55	0.14	0.029
108288	Soil				0.5	49.8	52.2	75	0.2	37.7	19.4	4236	3.81	6.1	1.5	5.1	20.7	19	0.1	0.3	0.8	43	0.38	0.066
108289	Soil				0.9	57.4	14.9	91	<0.1	40.6	20.0	479	4.02	5.7	1.4	0.9	15.5	7	<0.1	0.4	0.3	43	0.07	0.024
108290	Soil				0.9	33.4	10.6	66	<0.1	29.9	14.6	325	3.04	11.0	1.1	2.5	11.6	9	<0.1	0.6	0.3	47	0.09	0.021
108291	Soil				0.7	38.5	17.5	92	<0.1	35.0	18.8	616	4.19	4.2	2.4	0.9	25.6	6	<0.1	0.3	0.3	39	0.05	0.021
108292	Soil				1.0	16.2	11.5	48	<0.1	16.4	8.2	207	2.94	10.1	0.7	3.2	6.0	8	<0.1	0.5	0.2	50	0.08	0.028
108293	Soil				3.2	68.1	17.3	143	<0.1	52.6	23.0	1325	4.21	3.8	2.9	1.4	18.1	5	0.1	0.2	0.3	37	0.05	0.035
108294	Soil				1.0	54.5	12.9	105	<0.1	49.4	22.3	280	4.40	6.6	1.2	8.4	9.8	6	<0.1	0.3	0.3	49	0.05	0.030
108295	Soil				1.2	34.5	12.3	103	<0.1	38.9	16.9	458	4.42	5.8	2.0	<0.5	13.5	5	<0.1	0.2	0.4	55	0.06	0.067
108296	Soil				0.9	33.2	14.1	104	<0.1	37.4	18.4	409	4.57	5.1	2.2	<0.5	20.3	6	0.1	0.2	0.2	44	0.07	0.040
108297	Soil				0.7	28.6	9.5	58	<0.1	25.0	10.6	328	2.47	9.3	1.1	5.0	7.6	10	<0.1	0.5	0.2	40	0.12	0.039
108298	Soil				0.9	65.1	14.9	109	<0.1	51.8	22.1	672	5.02	4.1	1.6	<0.5	17.9	5	<0.1	0.2	0.3	45	0.07	0.046
108299	Soil				3.2	94.4	17.6	89	<0.1	27.3	8.3	277	2.66	10.1	3.4	2.3	6.0	11	<0.1	0.4	0.6	35	0.06	0.041
108300	Soil				0.3	90.9	5.0	109	<0.1	63.2	27.1	874	4.68	3.0	1.6	49.2	13.2	16	0.2	0.1	<0.1	127	0.53	0.140
108301	Soil				0.3	21.3	13.5	81	<0.1	54.1	22.7	835	4.08	7.5	1.7	3.4	9.5	18	0.1	0.2	0.9	99	0.39	0.112
108302	Soil				1.1	16.7	10.8	53	<0.1	18.7	8.5	234	2.71	10.4	1.2	7.0	6.8	9	<0.1	0.5	0.2	50	0.09	0.028
108303	Soil				0.7	35.7	7.9	42	<0.1	24.1	11.1	229	2.33	9.8	0.8	1.8	3.7	11	<0.1	0.5	0.1	47	0.17	0.051
108304	Soil				0.6	40.6	4.2	23	<0.1	22.8	11.3	175	1.68	4.8	0.4	1.1	1.4	33	<0.1	0.3	<0.1	39	0.24	0.031
108305	Soil				0.6	34.9	5.7	33	<0.1	28.9	9.8	194	1.79	6.2	0.5	2.1	2.3	36	<0.1	0.3	0.1	34	0.27	0.020
108306	Soil				0.6	57.0	4.8	30	<0.1	42.0	15.7	294	2.03	5.0	0.2	0.6	1.0	34	<0.1	0.2	<0.1	38	0.17	0.100
108307	Soil				0.3	116.5	2.3	75	<0.1	61.7	32.7	686	4.60	1.2	0.3	0.5	0.5	25	0.1	0.2	<0.1	126	0.76	0.068
108308	Soil				0.7	51.0	5.3	61	<0.1	39.7	17.0	261	3.32	6.6	0.3	1.9	1.6	8	<0.1	0.3	<0.1	87	0.20	0.022
108309	Soil				1.0	43.5	12.3	62	<0.1	28.5	12.2	373	3.18	10.9	1.5	3.4	6.5	12	<0.1	0.8	0.3	61	0.11	0.034
108310	Soil				1.3	22.2	13.7	45	<0.1	17.2	8.3	252	3.27	11.0	0.7	1.8	3.9	10	0.1	0.6	0.2	61	0.09	0.046
108311	Soil				0.5	19.5	4.2	50	<0.1	54.7	17.7	229	2.10	5.5	0.2	<0.5	1.6	10	<0.1	0.3	0.1	33	0.16	0.010
108312	Soil				0.3	82.9	2.8	26	<0.1	66.8	14.1	175	1.46	2.9	0.2	0.8	1.2	19	<0.1	0.2	<0.1	27	0.37	0.005
108313	Soil				0.6	51.4	9.1	35	<0.1	245.7	17.2	200	1.78	4.6	0.4	1.5	1.9	10	<0.1	0.3	<0.1	33	0.16	0.008
108314	Soil				0.8	9.9	5.1	60	<0.1	13.7	12.3	295	4.00	2.8	0.4	0.6	3.2	14	<0.1	0.2	0.1	80	0.21	0.060



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
108285	Soil	9	42	0.80	133	0.080	<1	1.56	0.005	0.19	0.1	0.01	2.9	0.1	<0.05	5	<0.5
108286	Soil	5	78	1.52	289	0.134	<1	2.20	0.006	0.49	0.2	<0.01	1.9	0.3	<0.05	6	<0.5
108287	Soil	5	56	0.95	161	0.156	<1	2.37	0.005	0.16	0.1	<0.01	1.2	0.2	<0.05	8	<0.5
108288	Soil	104	36	1.06	211	0.165	<1	2.06	0.009	0.56	<0.1	0.04	5.8	0.6	<0.05	7	<0.5
108289	Soil	22	34	0.84	165	0.139	<1	2.23	0.004	0.59	<0.1	0.02	3.1	0.6	<0.05	6	<0.5
108290	Soil	17	32	0.60	167	0.082	1	1.87	0.005	0.18	0.1	0.03	3.1	0.3	<0.05	5	<0.5
108291	Soil	45	36	0.82	168	0.150	<1	2.15	0.005	0.67	<0.1	0.03	3.5	0.6	<0.05	6	<0.5
108292	Soil	13	29	0.42	127	0.058	<1	1.78	0.004	0.08	0.2	0.03	2.1	0.1	<0.05	5	<0.5
108293	Soil	41	29	0.81	91	0.073	<1	1.88	0.003	0.47	<0.1	0.01	5.7	0.4	<0.05	5	<0.5
108294	Soil	17	37	1.05	120	0.126	<1	2.58	0.004	0.58	<0.1	0.02	3.2	0.5	<0.05	7	<0.5
108295	Soil	47	33	0.89	88	0.153	<1	2.08	0.004	0.63	<0.1	0.02	3.1	0.6	<0.05	8	<0.5
108296	Soil	69	35	0.93	159	0.154	<1	2.41	0.004	0.82	<0.1	<0.01	3.3	0.7	<0.05	7	<0.5
108297	Soil	23	26	0.49	120	0.059	<1	1.39	0.005	0.12	0.2	0.03	2.7	0.1	<0.05	4	<0.5
108298	Soil	19	37	1.09	143	0.180	<1	2.73	0.004	0.97	<0.1	0.01	3.1	0.7	<0.05	7	<0.5
108299	Soil	21	12	0.17	61	0.009	<1	0.78	0.001	0.11	<0.1	0.06	2.2	<0.1	<0.05	2	<0.5
108300	Soil	43	227	2.43	216	0.266	<1	3.55	0.009	1.82	0.2	0.01	4.1	0.9	<0.05	12	<0.5
108301	Soil	44	168	1.88	174	0.185	<1	2.93	0.006	0.98	0.2	0.01	4.3	0.9	<0.05	9	<0.5
108302	Soil	14	30	0.49	194	0.054	<1	2.01	0.006	0.11	0.2	0.04	2.8	0.2	<0.05	5	<0.5
108303	Soil	10	31	0.57	148	0.063	<1	1.53	0.008	0.09	0.1	0.03	2.5	0.2	<0.05	4	<0.5
108304	Soil	5	33	0.51	132	0.060	<1	1.34	0.012	0.03	<0.1	0.02	2.5	<0.1	<0.05	3	<0.5
108305	Soil	9	67	0.55	156	0.040	<1	1.47	0.013	0.03	<0.1	0.02	3.0	<0.1	<0.05	3	<0.5
108306	Soil	4	98	0.98	170	0.056	<1	2.05	0.007	0.11	<0.1	0.01	1.6	0.2	<0.05	3	<0.5
108307	Soil	3	98	1.57	154	0.092	<1	2.13	0.030	0.05	<0.1	0.01	11.0	<0.1	<0.05	7	<0.5
108308	Soil	4	66	0.89	105	0.129	<1	2.18	0.016	0.05	0.1	0.02	3.2	0.1	<0.05	6	<0.5
108309	Soil	13	46	0.54	190	0.069	<1	2.37	0.011	0.05	0.2	0.04	5.3	0.1	<0.05	5	<0.5
108310	Soil	10	34	0.38	140	0.053	<1	2.16	0.008	0.04	0.2	0.04	2.5	0.1	<0.05	6	<0.5
108311	Soil	5	137	1.57	82	0.140	<1	2.60	0.006	0.23	<0.1	<0.01	1.5	0.3	<0.05	3	<0.5
108312	Soil	5	78	1.26	111	0.101	<1	1.93	0.012	0.03	<0.1	0.02	2.1	<0.1	<0.05	3	<0.5
108313	Soil	10	175	1.44	112	0.076	<1	1.63	0.007	0.03	<0.1	0.02	3.5	<0.1	<0.05	3	<0.5
108314	Soil	4	31	1.72	737	0.250	<1	3.22	0.009	1.10	0.2	<0.01	1.1	0.6	<0.05	8	<0.5



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Part 1

CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
108315	Soil				1.2	10.5	8.2	67	<0.1	17.6	11.7	263	3.70	8.1	0.5	0.9	3.3	14	<0.1	0.4	0.1	73	0.15	0.037
108316	Soil				1.1	11.0	7.4	44	<0.1	9.5	8.6	378	2.41	4.8	1.9	<0.5	14.3	16	<0.1	0.3	0.2	27	0.19	0.066
108317	Soil				0.3	20.8	33.6	97	<0.1	6.7	7.6	498	3.02	2.3	2.3	0.6	19.4	20	0.1	0.2	0.2	26	0.23	0.054
108318	Soil				1.2	13.0	14.9	72	<0.1	13.9	7.7	371	2.99	8.0	1.8	0.7	9.9	15	<0.1	0.5	0.2	44	0.13	0.038
108319	Soil				0.5	10.1	6.7	56	<0.1	9.6	6.7	287	2.21	4.6	2.3	0.7	18.0	13	<0.1	0.4	0.1	24	0.17	0.042
108320	Soil				1.2	19.7	16.7	79	<0.1	19.5	8.8	329	3.03	8.9	1.9	1.2	10.8	15	<0.1	0.6	0.2	46	0.14	0.028
108321	Soil				0.2	4.7	3.1	40	<0.1	10.2	9.2	541	2.52	1.1	0.9	<0.5	10.1	92	<0.1	<0.1	<0.1	51	1.09	0.086
108322	Soil				0.3	12.5	12.5	58	<0.1	12.4	14.4	425	3.82	2.5	0.9	0.8	5.0	33	<0.1	0.2	<0.1	65	0.37	0.071
108323	Soil				0.3	13.3	4.1	55	<0.1	11.2	15.5	369	4.26	3.4	0.8	1.0	4.3	42	<0.1	0.2	<0.1	78	0.47	0.064
108324	Soil				0.9	20.3	15.3	67	0.1	16.5	7.4	254	2.68	8.4	1.2	2.0	9.2	12	<0.1	0.6	0.2	48	0.11	0.019
108325	Soil				0.5	20.5	13.6	115	<0.1	13.2	8.7	555	2.95	3.6	2.0	1.2	14.8	22	<0.1	0.4	0.1	32	0.20	0.025
108326	Soil				0.5	19.0	7.7	80	<0.1	41.0	12.4	497	3.87	2.8	1.4	<0.5	12.1	19	<0.1	0.2	<0.1	55	0.16	0.016
108327	Soil				1.0	62.9	12.8	87	<0.1	33.5	13.9	275	4.71	6.3	2.6	0.7	20.3	8	<0.1	0.4	0.2	54	0.07	0.024
108328	Soil				1.0	29.6	14.0	80	<0.1	28.3	11.2	250	4.30	8.8	0.7	0.8	12.6	7	<0.1	0.4	0.2	48	0.07	0.041
108329	Soil				1.8	57.5	14.7	72	<0.1	36.0	11.7	244	3.28	31.9	1.7	1.2	8.5	11	0.2	0.7	0.3	43	0.06	0.030
108330	Soil				1.2	37.3	12.4	65	0.2	30.7	9.8	230	2.91	25.4	0.9	3.8	6.7	11	<0.1	1.1	0.2	56	0.07	0.017
108331	Soil				1.9	65.4	17.1	156	0.1	76.0	17.3	360	5.81	32.2	2.1	3.3	16.7	16	<0.1	0.7	0.2	87	0.04	0.042
108332	Soil				2.3	44.9	14.3	95	0.3	30.3	8.2	282	4.05	23.3	1.6	1.3	6.9	9	0.2	0.6	0.3	46	0.06	0.043
108333	Soil				0.8	24.6	17.8	68	<0.1	45.2	13.6	330	3.92	13.4	0.7	0.8	7.8	10	<0.1	0.6	0.2	69	0.21	0.027
108334	Soil				0.1	52.2	19.3	125	<0.1	53.8	23.0	563	5.08	3.0	1.1	0.8	26.9	7	<0.1	0.2	0.5	42	0.16	0.049
108335	Soil				0.5	18.9	8.4	97	<0.1	22.1	16.1	686	4.34	7.2	0.8	0.8	12.7	26	<0.1	0.4	<0.1	63	0.39	0.090
108336	Soil				0.8	23.0	9.5	66	<0.1	24.1	13.0	370	3.24	9.2	1.2	2.3	8.7	18	<0.1	0.6	0.1	56	0.22	0.056
108337	Soil				0.7	22.9	10.5	63	<0.1	21.8	11.3	295	3.39	9.4	0.7	2.6	7.6	15	<0.1	0.6	0.1	57	0.17	0.036
108338	Soil				0.7	13.7	10.0	59	<0.1	17.9	9.2	242	3.08	6.6	0.6	1.3	5.9	12	<0.1	0.4	0.1	60	0.12	0.033
108339	Soil				1.1	29.8	7.7	101	<0.1	36.0	17.7	694	4.81	4.9	0.9	0.7	11.7	32	<0.1	0.4	<0.1	94	0.37	0.081
108340	Soil				1.1	31.5	8.5	108	<0.1	39.4	19.5	749	5.18	4.7	0.9	1.3	12.1	36	<0.1	0.3	<0.1	100	0.41	0.084
108341	Soil				0.6	8.3	8.5	45	<0.1	13.2	6.9	251	2.26	4.4	0.4	2.3	4.0	12	<0.1	0.2	<0.1	47	0.16	0.040
108342	Soil				0.5	53.9	8.6	131	<0.1	67.2	29.9	1113	6.09	3.8	0.7	<0.5	11.4	14	<0.1	0.3	<0.1	104	0.17	0.038
108343	Soil				0.7	28.1	8.1	78	<0.1	25.8	13.6	431	3.42	7.9	0.5	<0.5	9.0	20	<0.1	0.5	<0.1	57	0.33	0.066
108344	Soil				0.8	8.2	12.4	53	<0.1	12.0	6.4	248	2.71	7.6	0.6	<0.5	5.7	10	<0.1	0.4	0.3	53	0.10	0.049



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
108315	Soil	7	30	1.17	340	0.170	<1	2.65	0.008	0.51	0.2	<0.01	1.7	0.3	<0.05	7	<0.5	<0.2
108316	Soil	34	15	0.48	119	0.070	<1	1.42	0.006	0.35	<0.1	<0.01	1.8	0.2	<0.05	6	<0.5	<0.2
108317	Soil	49	12	0.92	152	0.169	<1	2.03	0.006	0.61	<0.1	<0.01	2.3	0.4	<0.05	8	<0.5	<0.2
108318	Soil	30	22	0.48	161	0.076	<1	2.08	0.006	0.21	0.1	0.01	2.2	0.2	<0.05	7	<0.5	<0.2
108319	Soil	44	14	0.40	131	0.091	<1	1.24	0.006	0.32	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2
108320	Soil	35	28	0.52	181	0.093	<1	1.95	0.006	0.23	0.1	0.02	3.0	0.2	<0.05	7	<0.5	<0.2
108321	Soil	14	21	1.34	287	0.187	<1	2.90	0.008	0.37	<0.1	<0.01	3.0	0.2	<0.05	10	<0.5	<0.2
108322	Soil	12	19	1.27	413	0.241	<1	2.28	0.008	0.84	0.1	<0.01	2.1	0.4	<0.05	6	<0.5	<0.2
108323	Soil	15	15	1.38	490	0.276	<1	3.03	0.011	0.84	0.1	<0.01	2.5	0.4	<0.05	8	<0.5	<0.2
108324	Soil	25	26	0.49	194	0.069	<1	1.76	0.007	0.09	0.1	0.02	2.6	0.2	<0.05	6	0.6	<0.2
108325	Soil	40	21	1.11	276	0.222	<1	1.92	0.007	0.60	<0.1	0.02	3.7	0.5	<0.05	7	0.5	<0.2
108326	Soil	42	110	1.70	302	0.239	<1	2.96	0.007	0.56	<0.1	<0.01	3.6	0.4	<0.05	10	<0.5	<0.2
108327	Soil	43	44	0.92	214	0.225	<1	3.04	0.008	0.76	0.1	0.01	4.5	0.6	<0.05	8	0.8	<0.2
108328	Soil	12	33	0.77	124	0.172	<1	2.39	0.005	0.48	0.1	<0.01	2.6	0.5	<0.05	7	<0.5	<0.2
108329	Soil	19	26	0.26	202	0.012	<1	1.30	0.004	0.08	<0.1	0.01	3.4	0.2	<0.05	4	<0.5	<0.2
108330	Soil	13	36	0.46	181	0.048	<1	1.92	0.006	0.07	0.2	0.04	3.7	0.1	<0.05	5	<0.5	<0.2
108331	Soil	26	197	0.55	109	0.025	1	1.73	0.003	0.08	0.1	0.19	7.7	0.5	<0.05	5	1.0	<0.2
108332	Soil	14	26	0.08	103	0.007	<1	0.87	0.003	0.08	0.1	0.03	3.8	0.2	<0.05	3	0.6	<0.2
108333	Soil	11	127	1.12	162	0.110	1	2.36	0.004	0.26	0.1	0.02	5.7	0.4	<0.05	8	<0.5	<0.2
108334	Soil	72	37	1.29	189	0.237	<1	2.67	0.007	1.28	<0.1	0.02	7.0	0.9	<0.05	9	<0.5	<0.2
108335	Soil	38	56	1.72	419	0.211	<1	2.86	0.010	1.33	0.2	<0.01	2.1	0.6	<0.05	7	<0.5	<0.2
108336	Soil	29	46	0.94	344	0.114	<1	2.17	0.009	0.30	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
108337	Soil	18	44	0.75	267	0.100	<1	2.36	0.008	0.14	0.1	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
108338	Soil	16	42	0.70	244	0.139	<1	1.92	0.006	0.36	0.1	0.01	2.2	0.2	<0.05	8	<0.5	<0.2
108339	Soil	40	164	2.11	863	0.242	<1	3.51	0.010	1.53	0.2	0.01	4.4	0.6	<0.05	11	<0.5	<0.2
108340	Soil	43	175	2.28	995	0.242	<1	3.83	0.011	1.82	0.2	<0.01	4.6	0.7	<0.05	12	<0.5	<0.2
108341	Soil	11	43	0.81	150	0.146	<1	1.53	0.007	0.40	0.2	<0.01	1.2	0.3	<0.05	7	<0.5	<0.2
108342	Soil	46	90	1.73	305	0.402	<1	3.74	0.008	1.64	0.3	<0.01	9.7	1.0	<0.05	16	<0.5	<0.2
108343	Soil	22	85	1.25	385	0.132	<1	2.38	0.007	0.63	0.1	0.01	2.2	0.4	<0.05	6	<0.5	<0.2
108344	Soil	8	32	0.59	131	0.118	1	1.71	0.005	0.20	0.2	<0.01	1.4	0.2	<0.05	8	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
108345	Soil	0.8	18.3	12.1	63	<0.1	22.4	10.2	289	3.08	7.1	0.6	2.6	9.6	11	<0.1	0.4	0.2	49	0.14	0.038
108346	Soil	0.6	21.1	9.9	82	<0.1	21.3	12.4	425	3.75	6.2	0.7	1.3	10.9	15	<0.1	0.3	0.1	50	0.24	0.072
108347	Soil	0.6	18.9	8.6	65	<0.1	20.7	9.9	322	2.97	7.7	1.1	1.9	9.3	17	<0.1	0.3	0.1	46	0.25	0.060
108348	Soil	1.8	60.3	13.0	112	<0.1	50.4	18.5	538	4.32	10.2	2.0	0.9	13.5	7	<0.1	0.4	0.3	58	0.09	0.043
108349	Soil	1.2	46.1	16.2	140	<0.1	36.2	13.5	321	3.47	19.3	2.0	2.2	17.0	8	<0.1	0.7	0.4	44	0.10	0.033
108350	Soil	1.0	47.4	16.8	114	<0.1	40.3	14.9	239	3.79	8.5	1.5	0.9	12.9	13	<0.1	0.5	0.4	49	0.07	0.029
108351	Soil	1.3	80.8	15.9	146	<0.1	45.0	18.1	545	3.77	14.8	2.5	1.3	16.0	17	<0.1	0.6	0.2	75	0.14	0.047
108352	Soil	0.7	45.5	19.5	98	<0.1	34.2	14.1	418	4.27	8.8	1.7	0.6	21.8	10	<0.1	0.3	0.4	41	0.14	0.045
108353	Soil	0.8	18.3	30.7	88	<0.1	15.8	12.1	484	3.65	5.9	1.9	0.6	34.4	11	<0.1	0.3	0.7	43	0.16	0.050
108354	Soil	0.6	22.7	14.1	98	<0.1	22.3	12.4	573	3.68	7.9	1.8	2.8	20.4	16	<0.1	0.5	0.4	50	0.31	0.090
108355	Soil	1.2	21.4	18.2	90	<0.1	27.5	13.6	452	4.01	8.7	1.8	1.0	19.0	11	<0.1	0.6	0.4	52	0.18	0.060
108356	Soil	1.0	16.0	11.9	65	<0.1	25.2	11.4	403	3.65	10.6	0.6	1.0	6.8	10	<0.1	0.5	0.2	63	0.11	0.058
108357	Soil	0.6	42.7	9.4	84	<0.1	45.3	14.8	535	3.64	8.8	1.4	1.0	12.3	16	<0.1	0.3	0.1	53	0.23	0.049
108358	Soil	0.6	32.3	8.5	87	<0.1	42.4	17.8	491	3.98	8.7	1.9	0.7	16.6	21	<0.1	0.5	0.1	60	0.23	0.043
108359	Soil	0.6	33.7	15.6	116	<0.1	56.9	25.5	701	4.57	10.3	1.4	1.0	19.7	16	<0.1	0.5	0.1	60	0.31	0.078
108360	Soil	0.9	30.9	12.9	100	<0.1	36.9	17.9	475	4.80	8.8	1.5	0.5	14.7	23	<0.1	0.5	0.1	70	0.42	0.099
108361	Soil	1.1	24.4	12.0	65	<0.1	21.3	8.5	239	2.66	11.4	2.0	1.9	9.1	22	<0.1	0.6	0.2	41	0.30	0.040
108362	Soil	1.5	33.6	12.2	67	0.2	30.6	10.4	451	2.53	13.5	2.9	5.1	5.4	36	0.3	0.9	0.2	44	0.52	0.057
108363	Soil	1.3	32.8	11.9	69	0.2	27.5	10.2	454	2.67	13.5	1.1	3.2	5.3	34	0.3	1.0	0.2	47	0.44	0.058
108364	Soil	1.1	35.0	10.9	68	0.1	26.5	9.4	422	2.64	14.7	2.2	2.2	3.7	37	0.2	1.0	0.2	46	0.47	0.061
108365	Soil	1.0	39.2	10.2	62	0.2	32.6	9.7	517	2.31	10.1	5.0	2.7	2.5	67	0.5	1.0	0.2	43	0.89	0.069
108366	Soil	1.0	25.1	9.2	63	<0.1	21.3	8.5	323	2.29	10.6	1.6	2.0	4.2	32	0.1	0.8	0.2	43	0.44	0.061
108367	Soil	3.1	10.3	19.7	103	<0.1	13.5	8.8	335	5.48	12.9	6.9	0.8	31.2	9	<0.1	0.7	0.1	50	0.10	0.050
108368	Soil	2.3	13.4	18.0	69	<0.1	15.3	7.3	287	4.01	16.1	5.4	1.4	34.6	7	<0.1	0.8	0.2	35	0.08	0.047
108369	Soil	1.4	23.4	15.5	72	<0.1	28.2	12.2	466	3.80	9.8	3.9	1.1	23.4	8	<0.1	0.5	0.5	33	0.10	0.027
108370	Soil	1.5	15.2	11.4	58	<0.1	14.8	7.6	292	2.95	17.1	1.8	3.5	29.1	13	<0.1	0.6	0.2	39	0.20	0.050
108371	Soil	1.3	19.7	11.9	59	<0.1	13.3	11.0	845	3.75	12.3	1.5	1.5	19.5	14	<0.1	0.3	0.1	42	0.22	0.071
108372	Soil	1.6	47.7	26.9	127	<0.1	41.8	13.0	390	3.58	32.1	2.2	3.7	8.4	33	0.1	1.3	0.3	38	0.05	0.036
108373	Soil	1.0	25.9	12.2	56	<0.1	18.5	7.1	206	2.13	16.6	1.9	4.3	6.7	13	<0.1	0.5	0.1	40	0.08	0.021
108374	Soil	1.4	38.2	16.5	64	<0.1	22.4	6.3	191	2.33	22.8	2.0	4.4	8.0	11	<0.1	0.5	0.3	34	0.03	0.030



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
108345	Soil	15	39	0.75	221	0.147	2	1.92	0.006	0.48	0.1	0.01	2.3	0.3	<0.05	6	<0.5	<0.2
108346	Soil	29	50	1.15	392	0.186	1	2.41	0.008	0.88	0.1	0.01	2.6	0.4	<0.05	7	<0.5	<0.2
108347	Soil	31	44	0.86	352	0.128	<1	1.79	0.007	0.45	0.1	0.02	2.4	0.3	<0.05	5	<0.5	<0.2
108348	Soil	32	46	1.06	209	0.169	1	2.33	0.004	0.91	<0.1	0.01	3.7	0.6	<0.05	7	0.6	<0.2
108349	Soil	51	34	0.82	217	0.165	1	1.89	0.005	0.60	<0.1	0.01	3.5	0.5	<0.05	6	<0.5	<0.2
108350	Soil	33	38	0.87	200	0.176	1	2.26	0.007	0.62	<0.1	0.01	2.8	0.6	<0.05	7	0.6	<0.2
108351	Soil	61	66	1.33	402	0.186	1	2.38	0.006	0.99	<0.1	0.01	7.3	0.7	<0.05	8	1.1	<0.2
108352	Soil	72	39	0.92	226	0.251	<1	2.28	0.005	1.20	<0.1	<0.01	3.5	0.7	<0.05	8	0.6	<0.2
108353	Soil	69	39	0.91	158	0.149	<1	1.90	0.005	0.88	0.1	0.01	5.2	0.7	<0.05	9	0.6	<0.2
108354	Soil	65	48	1.00	324	0.169	<1	1.95	0.006	0.98	0.2	0.03	7.0	0.6	<0.05	8	0.6	<0.2
108355	Soil	23	54	0.88	229	0.145	<1	1.89	0.003	0.73	0.2	<0.01	4.6	0.6	<0.05	8	0.5	<0.2
108356	Soil	10	51	0.80	190	0.148	1	1.90	0.004	0.45	0.2	0.01	2.7	0.3	<0.05	7	<0.5	<0.2
108357	Soil	29	74	1.22	418	0.184	<1	2.09	0.006	0.96	0.1	0.01	4.4	0.5	<0.05	7	0.7	<0.2
108358	Soil	43	83	1.31	469	0.182	1	2.40	0.006	0.97	0.1	0.02	6.4	0.5	<0.05	8	0.7	<0.2
108359	Soil	50	58	1.33	517	0.167	<1	2.30	0.007	1.22	<0.1	0.02	5.3	0.5	<0.05	9	0.5	<0.2
108360	Soil	39	94	1.50	621	0.205	<1	2.78	0.008	1.37	0.2	0.02	5.8	0.6	<0.05	9	<0.5	<0.2
108361	Soil	23	28	0.51	251	0.103	<1	1.29	0.007	0.28	0.1	0.01	2.8	0.2	<0.05	4	<0.5	<0.2
108362	Soil	18	32	0.45	447	0.060	2	1.26	0.012	0.06	0.2	0.05	3.4	<0.1	<0.05	4	0.5	<0.2
108363	Soil	16	30	0.46	434	0.051	<1	1.23	0.013	0.04	0.2	0.05	3.2	<0.1	<0.05	4	0.6	<0.2
108364	Soil	17	29	0.45	437	0.056	1	1.28	0.011	0.07	0.2	0.05	3.4	<0.1	<0.05	4	1.0	<0.2
108365	Soil	16	28	0.44	455	0.043	1	1.28	0.012	0.05	0.2	0.05	3.2	<0.1	<0.05	4	1.2	<0.2
108366	Soil	14	26	0.47	254	0.058	4	1.10	0.013	0.07	0.2	0.04	2.9	<0.1	<0.05	4	0.5	<0.2
108367	Soil	55	20	0.40	130	0.093	<1	1.90	0.005	0.43	0.1	0.01	8.8	0.6	<0.05	11	1.1	<0.2
108368	Soil	153	18	0.17	93	0.015	<1	1.33	0.004	0.06	<0.1	0.04	4.0	<0.1	<0.05	4	0.9	<0.2
108369	Soil	57	25	0.32	128	0.045	<1	1.05	0.004	0.28	<0.1	0.07	5.4	0.3	<0.05	6	0.6	<0.2
108370	Soil	71	21	0.37	145	0.043	<1	1.24	0.006	0.18	<0.1	0.05	5.1	0.2	<0.05	6	0.7	<0.2
108371	Soil	42	17	0.31	276	0.039	<1	0.91	0.004	0.27	<0.1	0.08	7.1	0.3	<0.05	8	0.8	<0.2
108372	Soil	16	35	0.05	143	0.003	1	0.33	0.001	0.06	<0.1	0.06	5.2	0.1	<0.05	2	1.0	<0.2
108373	Soil	17	25	0.30	145	0.025	<1	0.91	0.005	0.05	<0.1	0.09	2.5	0.1	<0.05	3	0.7	<0.2
108374	Soil	16	15	0.07	169	0.004	1	0.47	0.002	0.06	<0.1	0.07	3.7	0.1	<0.05	2	0.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
108375	Soil	1.5	35.3	54.5	59	<0.1	18.0	4.8	164	2.17	30.5	1.6	3.7	7.8	17	<0.1	0.8	0.2	33	0.03	0.032
108376	Soil	0.9	22.4	11.4	39	<0.1	16.7	5.1	188	1.64	16.5	1.0	2.4	5.5	16	<0.1	0.6	0.1	35	0.08	0.016
108377	Soil	1.1	32.7	12.0	61	<0.1	20.8	5.7	198	2.12	24.6	1.4	2.5	7.7	16	0.1	0.8	0.2	36	0.08	0.028
108378	Soil	1.6	33.1	16.8	49	0.1	18.8	6.2	136	2.40	18.8	1.6	3.7	13.6	15	<0.1	0.8	0.2	52	0.05	0.028
108379	Soil	1.4	43.5	17.6	164	0.1	65.8	15.3	663	4.69	17.1	2.9	2.3	15.0	12	0.1	0.6	0.3	47	0.08	0.053
108380	Soil	1.5	73.7	24.5	367	0.2	79.1	11.2	1784	2.70	132.5	1.0	9.0	6.9	20	0.5	0.8	0.2	35	0.04	0.022
108381	Soil	0.6	11.9	14.1	89	<0.1	17.7	9.8	453	2.96	9.8	1.0	<0.5	10.2	12	0.1	0.4	0.2	40	0.17	0.046
108382	Soil	1.1	7.9	13.5	67	<0.1	12.1	17.7	1150	2.80	6.5	1.2	<0.5	11.6	12	<0.1	1.3	0.3	42	0.16	0.071
108383	Soil	0.7	8.4	16.3	59	<0.1	10.8	6.7	338	1.93	4.7	1.5	<0.5	20.3	11	<0.1	0.5	0.6	22	0.20	0.055
108384	Soil	1.0	9.8	18.2	60	<0.1	11.4	7.0	360	2.01	4.6	1.8	<0.5	34.1	9	<0.1	0.5	0.8	20	0.15	0.033
108385	Soil	0.6	22.9	11.1	76	<0.1	14.9	8.9	438	2.56	3.8	2.1	1.1	34.9	20	<0.1	0.8	0.2	28	0.29	0.043
108386	Soil	0.6	6.7	11.2	41	<0.1	12.6	7.9	243	2.61	7.6	3.0	0.6	38.8	12	<0.1	6.2	<0.1	42	0.20	0.064
108387	Soil	0.4	10.1	10.6	87	<0.1	12.3	10.6	408	3.17	3.0	2.5	<0.5	43.6	20	<0.1	0.7	<0.1	34	0.31	0.077
108388	Soil	0.4	8.3	10.0	73	<0.1	10.4	9.6	433	2.52	2.8	2.7	<0.5	33.6	17	<0.1	0.4	<0.1	33	0.32	0.105
108389	Soil	0.5	7.6	10.6	63	<0.1	13.4	8.2	263	2.65	6.8	2.1	<0.5	18.7	12	<0.1	0.8	0.1	40	0.15	0.050
108390	Soil	0.8	10.0	11.4	60	<0.1	15.5	9.5	292	2.52	7.0	1.3	<0.5	13.1	12	0.1	0.6	0.1	45	0.13	0.054
108391	Soil	0.5	37.5	6.0	49	<0.1	27.5	13.7	419	2.87	5.0	2.5	0.8	16.8	13	<0.1	0.5	0.1	70	0.37	0.057
108392	Soil	0.7	42.5	7.2	42	<0.1	22.3	9.1	214	2.16	8.1	0.6	0.7	4.9	15	<0.1	0.5	<0.1	51	0.29	0.038
108393	Soil	0.5	56.2	4.4	30	<0.1	17.6	10.8	187	1.66	3.5	0.8	0.8	3.3	19	<0.1	0.3	<0.1	49	0.32	0.032
108394	Soil	1.2	32.9	12.0	69	0.1	24.2	11.0	386	2.46	11.3	1.7	4.1	7.7	25	0.3	0.9	0.2	48	0.37	0.078
108395	Soil	1.3	28.1	11.8	49	<0.1	20.6	7.6	228	2.15	7.4	2.2	1.8	9.6	19	<0.1	0.6	0.2	41	0.28	0.044
108396	Soil	0.8	22.7	10.8	51	<0.1	18.7	7.2	190	2.24	8.1	2.6	6.8	8.4	22	<0.1	0.5	0.2	44	0.31	0.045
108397	Soil	1.0	24.8	9.9	64	<0.1	22.4	8.8	255	2.46	9.4	4.2	3.6	5.3	33	0.1	0.8	0.2	45	0.52	0.076
109126	Soil	1.3	20.7	11.2	66	<0.1	26.1	10.8	315	3.56	35.5	0.5	0.8	4.1	11	0.1	0.5	0.2	80	0.11	0.042
109127	Soil	0.9	25.7	9.8	67	0.3	42.6	16.7	376	3.31	12.0	1.3	7.4	9.4	16	<0.1	0.4	<0.1	63	0.25	0.051
109128	Soil	0.7	29.7	7.5	53	0.2	24.3	15.5	233	3.05	6.3	0.6	1.8	2.5	9	<0.1	0.4	0.1	75	0.22	0.039
109129	Soil	1.2	60.7	9.0	161	<0.1	53.3	19.7	399	3.45	9.3	1.7	2.7	3.8	15	0.3	0.8	0.1	89	0.27	0.042
109130	Soil	0.9	32.7	8.8	99	<0.1	29.4	11.3	258	3.17	6.9	0.7	0.7	3.0	16	0.1	0.7	0.1	82	0.28	0.027
109131	Soil	0.7	35.9	5.6	62	<0.1	28.9	19.9	472	2.87	3.6	0.5	0.8	1.9	12	<0.1	0.3	<0.1	71	0.33	0.049
109132	Soil	1.5	48.5	14.7	206	0.4	46.6	11.5	381	3.45	25.0	1.3	4.3	2.3	32	0.6	2.6	0.2	131	0.17	0.052



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
108375	Soil	18	17	0.10	174	0.008	<1	0.45	0.002	0.05	<0.1	0.08	2.4	0.1	<0.05	2	0.8
108376	Soil	14	19	0.24	217	0.031	1	0.76	0.005	0.04	<0.1	0.03	3.0	<0.1	<0.05	3	<0.5
108377	Soil	16	19	0.22	221	0.024	<1	0.72	0.004	0.05	<0.1	0.07	3.0	<0.1	<0.05	2	0.5
108378	Soil	25	28	0.29	272	0.035	<1	1.32	0.004	0.05	<0.1	0.03	3.9	0.1	<0.05	4	1.3
108379	Soil	45	33	0.34	260	0.052	<1	1.07	0.003	0.35	<0.1	0.03	5.7	0.6	<0.05	3	0.8
108380	Soil	20	19	0.09	361	0.004	<1	0.49	0.002	0.04	0.1	0.19	6.6	1.1	<0.05	2	<0.5
108381	Soil	11	34	0.86	138	0.140	<1	2.10	0.006	0.67	0.3	<0.01	2.1	0.7	<0.05	7	<0.5
108382	Soil	7	27	0.58	153	0.114	<1	1.51	0.006	0.44	0.3	<0.01	2.0	0.5	<0.05	7	<0.5
108383	Soil	19	20	0.65	145	0.087	<1	1.32	0.004	0.33	0.2	<0.01	1.9	0.4	<0.05	4	<0.5
108384	Soil	63	23	0.83	125	0.140	<1	1.61	0.005	0.49	0.9	<0.01	1.8	0.7	<0.05	5	<0.5
108385	Soil	88	27	0.77	232	0.104	<1	1.72	0.007	0.42	0.2	0.04	2.5	0.5	<0.05	7	<0.5
108386	Soil	92	36	0.84	169	0.100	1	1.93	0.006	0.65	0.2	0.03	3.5	0.5	<0.05	8	<0.5
108387	Soil	94	36	0.99	186	0.142	<1	2.24	0.007	0.95	0.1	0.04	2.3	0.7	<0.05	9	<0.5
108388	Soil	49	32	1.19	193	0.195	<1	1.90	0.005	0.94	0.7	0.02	2.1	0.7	<0.05	7	<0.5
108389	Soil	38	30	0.85	221	0.151	<1	1.90	0.005	0.68	0.2	0.04	2.5	0.5	<0.05	7	<0.5
108390	Soil	21	28	0.51	227	0.088	1	1.76	0.010	0.32	0.2	0.02	2.0	0.3	<0.05	6	<0.5
108391	Soil	38	58	0.96	242	0.141	<1	1.61	0.013	0.45	0.2	0.02	4.6	0.3	<0.05	6	<0.5
108392	Soil	12	31	0.50	240	0.083	<1	1.31	0.015	0.09	0.2	0.02	3.8	<0.1	<0.05	4	<0.5
108393	Soil	13	37	0.54	180	0.082	<1	1.25	0.020	0.10	<0.1	<0.01	3.7	<0.1	<0.05	3	<0.5
108394	Soil	18	27	0.40	380	0.070	1	1.30	0.012	0.11	0.3	0.03	3.2	<0.1	<0.05	4	<0.5
108395	Soil	18	30	0.40	247	0.080	<1	1.32	0.010	0.11	0.2	0.02	2.9	0.1	<0.05	4	<0.5
108396	Soil	21	27	0.45	261	0.085	<1	1.39	0.008	0.09	0.3	0.02	2.8	0.1	<0.05	4	<0.5
108397	Soil	16	28	0.44	302	0.067	<1	1.46	0.015	0.07	0.2	0.03	3.0	<0.1	<0.05	4	<0.5
109126	Soil	11	118	0.94	199	0.147	<1	2.35	0.006	0.26	0.2	0.01	2.5	0.2	<0.05	8	<0.5
109127	Soil	22	122	1.14	401	0.134	<1	2.27	0.009	0.36	2.1	0.02	3.6	0.2	<0.05	6	<0.5
109128	Soil	9	55	1.15	279	0.127	<1	2.16	0.013	0.42	0.4	0.02	3.3	0.2	<0.05	6	<0.5
109129	Soil	18	72	0.74	1002	0.083	1	2.03	0.009	0.11	0.1	0.03	6.1	0.3	<0.05	5	<0.5
109130	Soil	8	49	0.82	359	0.090	<1	2.10	0.009	0.14	<0.1	0.01	4.5	0.1	<0.05	6	<0.5
109131	Soil	6	66	0.89	234	0.100	<1	2.03	0.015	0.14	<0.1	<0.01	3.9	<0.1	<0.05	5	<0.5
109132	Soil	8	46	0.36	358	0.042	<1	1.33	0.006	0.06	0.2	0.05	4.3	0.4	<0.05	5	<0.5



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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
109133	Soil	1.8	50.3	11.7	91	0.1	31.1	10.0	240	2.90	11.8	1.8	3.7	4.6	14	0.2	0.7	0.2	69	0.16	0.041
109134	Soil	2.2	39.3	13.3	97	0.2	27.9	9.1	356	3.22	12.8	1.6	2.6	5.4	13	0.3	0.8	0.2	72	0.11	0.032
109135	Soil	3.6	59.1	13.6	134	0.3	34.3	9.9	493	3.41	22.4	2.2	1.6	3.9	13	0.4	2.8	0.2	67	0.09	0.052
109136	Soil	3.2	68.1	15.4	133	0.3	36.9	12.8	396	3.34	11.6	2.3	3.2	10.0	20	0.3	1.3	0.3	54	0.16	0.049
109137	Soil	4.0	89.9	11.3	192	0.5	39.9	10.3	660	4.29	22.0	3.9	2.7	10.3	25	0.5	2.0	0.3	120	0.20	0.098
109138	Soil	2.0	35.9	13.0	108	0.4	25.2	7.6	157	2.88	13.9	1.5	2.7	5.5	21	0.2	1.2	0.3	61	0.23	0.048
109139	Soil	1.8	22.2	15.0	94	<0.1	25.0	11.4	445	3.51	11.6	1.3	2.4	11.3	12	0.2	0.7	0.2	59	0.13	0.045
109140	Soil	2.1	22.1	18.3	91	<0.1	23.8	12.1	452	3.40	11.0	1.3	0.5	11.3	11	0.2	0.8	0.2	57	0.13	0.046
109141	Soil	1.2	23.1	11.0	76	<0.1	22.8	7.7	246	2.47	7.6	2.0	2.0	12.0	14	0.1	0.6	0.1	42	0.17	0.042
109142	Soil	1.2	23.9	12.2	68	<0.1	19.8	8.5	233	2.45	10.2	1.8	3.0	8.3	14	0.1	0.7	0.2	46	0.16	0.037
109143	Soil	0.9	16.3	12.3	57	<0.1	20.1	7.2	228	2.19	7.9	2.5	1.2	12.4	17	0.2	0.5	0.5	38	0.23	0.050
109144	Soil	0.9	25.1	12.7	64	<0.1	21.1	6.8	213	2.34	9.6	1.5	2.3	9.0	22	0.1	0.7	0.3	43	0.25	0.048
109145	Soil	0.9	18.1	10.5	60	<0.1	17.9	8.0	214	2.42	10.0	1.7	3.0	9.4	19	<0.1	0.6	0.2	43	0.21	0.036
109146	Soil	1.4	50.4	10.0	36	<0.1	28.0	8.9	135	2.08	6.9	0.5	0.6	2.3	11	<0.1	0.4	0.2	47	0.17	0.012
109147	Soil	1.2	39.6	8.0	36	<0.1	23.6	7.5	149	2.05	8.9	0.5	1.2	2.9	11	<0.1	0.6	0.2	49	0.13	0.010
109148	Soil	1.4	88.6	6.9	34	<0.1	37.9	14.8	154	2.34	9.6	0.6	1.6	2.4	11	<0.1	0.6	0.1	44	0.16	0.013
109149	Soil	1.3	54.1	6.3	40	<0.1	35.3	11.0	193	2.21	9.5	0.4	1.4	2.6	10	<0.1	0.5	0.1	48	0.15	0.021
109150	Soil	0.9	71.4	6.5	31	<0.1	35.0	12.5	180	1.78	5.3	0.4	1.5	2.0	9	<0.1	0.3	0.1	38	0.16	0.009
109151	Soil	0.9	84.9	5.5	33	<0.1	37.2	13.2	153	2.11	5.1	0.4	1.0	1.8	7	<0.1	0.4	0.1	52	0.14	0.007
109152	Soil	0.7	40.3	6.5	31	<0.1	19.7	7.9	135	1.60	5.4	0.4	1.0	2.3	11	<0.1	0.4	0.1	38	0.16	0.017
109153	Soil	0.8	44.4	4.4	22	<0.1	34.9	8.8	102	1.21	2.8	0.6	<0.5	1.5	10	<0.1	0.2	<0.1	28	0.21	0.009
109154	Soil	0.7	33.8	7.0	39	<0.1	24.2	7.8	170	1.65	5.7	1.6	<0.5	3.5	16	<0.1	0.5	0.1	36	0.24	0.031
109155	Soil	0.6	32.8	6.5	41	<0.1	21.6	6.6	149	1.64	6.2	1.0	4.2	3.4	19	<0.1	0.4	0.1	36	0.27	0.034
109156	Soil	0.9	30.0	8.9	52	<0.1	21.9	7.6	210	2.24	9.5	1.3	1.8	4.0	27	<0.1	0.6	0.2	46	0.33	0.058
110071	Soil	1.2	17.9	16.9	62	<0.1	22.0	9.1	300	3.25	28.2	0.9	1.1	6.5	12	0.1	0.6	0.3	60	0.15	0.032
110072	Soil	1.2	35.1	32.3	116	0.2	35.7	13.1	519	3.91	41.1	2.3	3.6	8.0	16	0.2	1.0	0.4	62	0.14	0.071
110073	Soil	0.8	59.3	17.8	126	<0.1	62.5	29.4	890	6.01	77.5	2.0	5.2	17.7	11	0.1	0.6	0.5	43	0.19	0.054
110074	Soil	0.8	19.6	11.1	62	<0.1	18.8	7.6	216	2.92	13.2	1.1	1.0	6.0	11	0.1	0.5	0.2	44	0.12	0.045
110075	Soil	0.7	18.7	14.2	59	<0.1	19.5	7.7	240	2.69	16.4	1.3	2.3	7.5	11	0.1	0.7	0.2	43	0.13	0.038
110076	Soil	0.7	31.3	15.9	91	<0.1	35.7	16.0	616	3.58	30.3	1.0	<0.5	12.8	12	0.2	0.5	0.2	42	0.18	0.057



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
109133	Soil	16	40	0.49	269	0.065	1	1.68	0.008	0.07	<0.1	0.06	3.3	0.2	<0.05	5	<0.5	<0.2
109134	Soil	13	37	0.45	216	0.069	1	1.86	0.006	0.07	0.1	0.05	3.1	0.3	<0.05	6	<0.5	<0.2
109135	Soil	15	35	0.37	227	0.060	1	1.45	0.005	0.10	0.1	0.03	2.7	0.3	<0.05	5	<0.5	<0.2
109136	Soil	28	41	0.72	250	0.103	<1	1.82	0.007	0.34	<0.1	0.03	2.9	0.4	<0.05	6	<0.5	<0.2
109137	Soil	34	67	1.15	975	0.163	<1	2.24	0.008	0.89	<0.1	0.06	5.9	0.6	0.12	7	0.9	<0.2
109138	Soil	20	39	0.67	283	0.099	<1	2.00	0.007	0.22	0.1	0.06	2.9	0.3	<0.05	6	<0.5	<0.2
109139	Soil	21	36	0.46	162	0.096	1	1.85	0.006	0.13	0.1	0.02	2.8	0.2	<0.05	7	<0.5	<0.2
109140	Soil	21	35	0.44	167	0.092	<1	1.75	0.006	0.13	0.2	0.03	2.7	0.3	<0.05	6	<0.5	<0.2
109141	Soil	30	30	0.39	205	0.088	<1	1.50	0.007	0.11	0.1	0.02	3.3	0.2	<0.05	5	<0.5	<0.2
109142	Soil	24	31	0.44	243	0.062	1	1.52	0.009	0.06	0.2	0.04	4.2	0.1	<0.05	5	0.5	<0.2
109143	Soil	40	36	0.46	222	0.059	1	1.37	0.007	0.17	0.3	0.03	3.0	0.2	<0.05	5	<0.5	<0.2
109144	Soil	22	32	0.41	267	0.064	<1	1.33	0.008	0.08	0.2	0.03	3.8	0.1	<0.05	4	0.6	<0.2
109145	Soil	20	28	0.41	265	0.053	1	1.44	0.009	0.06	0.1	0.03	3.6	0.1	<0.05	5	0.8	<0.2
109146	Soil	8	44	0.52	139	0.043	<1	1.61	0.007	0.03	0.4	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
109147	Soil	10	34	0.39	163	0.051	1	1.50	0.006	0.03	0.2	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
109148	Soil	6	40	0.37	113	0.051	<1	1.62	0.005	0.03	0.4	0.01	4.7	<0.1	<0.05	3	0.6	<0.2
109149	Soil	9	64	0.63	108	0.057	<1	1.53	0.006	0.05	0.6	<0.01	3.0	0.1	<0.05	4	<0.5	<0.2
109150	Soil	6	51	0.59	88	0.055	<1	1.42	0.006	0.03	0.5	<0.01	2.6	<0.1	<0.05	3	<0.5	<0.2
109151	Soil	6	53	0.84	77	0.083	<1	1.72	0.006	0.03	0.5	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
109152	Soil	8	26	0.41	100	0.056	<1	1.10	0.007	0.03	0.3	0.01	2.0	<0.1	<0.05	3	0.7	<0.2
109153	Soil	6	55	0.58	95	0.048	1	0.96	0.007	0.03	0.4	<0.01	2.0	<0.1	<0.05	2	0.7	<0.2
109154	Soil	15	35	0.43	199	0.053	<1	1.04	0.009	0.03	0.3	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
109155	Soil	13	30	0.40	217	0.056	<1	1.07	0.010	0.03	0.2	0.02	2.7	<0.1	<0.05	3	0.5	<0.2
109156	Soil	14	28	0.43	323	0.047	<1	1.36	0.010	0.04	0.2	0.04	3.4	<0.1	<0.05	4	0.8	<0.2
110071	Soil	17	31	0.47	169	0.113	<1	1.66	0.006	0.32	0.1	0.03	2.1	0.3	<0.05	7	<0.5	<0.2
110072	Soil	35	44	0.81	191	0.072	<1	1.75	0.010	0.39	0.1	0.04	3.4	0.5	0.06	6	0.5	<0.2
110073	Soil	56	39	0.97	333	0.184	<1	2.44	0.004	0.91	<0.1	0.01	3.7	0.9	<0.05	8	<0.5	<0.2
110074	Soil	22	27	0.47	106	0.085	<1	1.41	0.005	0.20	0.2	0.06	2.0	0.2	<0.05	5	0.8	<0.2
110075	Soil	48	27	0.47	130	0.064	<1	1.51	0.005	0.18	0.1	0.04	2.2	0.2	<0.05	5	<0.5	<0.2
110076	Soil	24	42	0.78	197	0.126	<1	1.98	0.006	0.64	0.1	0.02	3.0	0.5	<0.05	6	<0.5	<0.2



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
110077	Soil	0.7	29.4	12.4	88	<0.1	28.7	14.4	517	3.59	13.0	1.2	1.7	9.4	13	<0.1	0.4	0.2	51	0.19	0.046
110078	Soil	0.8	19.9	12.8	58	0.1	19.5	9.8	261	2.89	21.4	1.4	2.3	10.9	11	<0.1	0.5	0.3	43	0.12	0.038
110079	Soil	1.3	29.9	22.8	69	<0.1	20.8	10.3	278	3.58	17.4	2.4	3.3	15.0	15	<0.1	0.7	0.5	43	0.14	0.049
110080	Soil	1.2	28.6	14.7	66	0.1	24.0	9.5	267	2.89	28.8	1.3	4.0	4.1	14	0.1	1.2	0.2	53	0.11	0.028
110081	Soil	1.1	15.1	9.2	76	<0.1	17.6	12.3	436	3.56	9.6	1.0	2.5	10.1	15	0.2	0.5	0.1	60	0.24	0.094
110082	Soil	0.7	14.8	9.8	74	<0.1	21.2	13.8	520	3.42	10.1	0.9	0.9	7.8	32	<0.1	0.5	0.1	61	0.22	0.065
110083	Soil	0.6	14.6	9.6	62	<0.1	19.8	12.4	414	3.07	8.4	1.3	2.1	12.1	16	0.1	0.4	0.1	57	0.20	0.042
110084	Soil	0.5	13.8	9.4	80	<0.1	29.5	17.0	649	4.08	4.3	1.3	1.3	9.9	17	0.1	0.2	<0.1	78	0.36	0.125
110085	Soil	1.0	14.9	10.7	48	<0.1	15.8	7.0	209	2.60	11.3	1.1	2.7	4.2	13	<0.1	0.5	0.2	52	0.14	0.047
110086	Soil	0.9	19.7	7.6	76	<0.1	33.5	15.5	493	3.74	6.4	1.0	1.3	6.1	21	0.1	0.3	<0.1	72	0.26	0.085
110087	Soil	1.1	22.7	9.4	59	<0.1	12.9	8.0	547	2.61	11.0	1.4	2.1	25.4	17	<0.1	3.4	0.6	35	0.36	0.042
110088	Soil	1.1	28.1	12.4	60	<0.1	22.4	9.5	356	2.79	11.7	1.2	3.4	8.2	17	<0.1	1.3	0.2	51	0.14	0.025
110089	Soil	1.0	41.6	11.0	74	<0.1	23.4	11.0	424	2.92	13.3	3.0	3.8	6.4	21	0.1	1.6	0.2	55	0.20	0.047
110090	Soil	1.1	42.6	11.2	66	<0.1	22.8	10.3	398	2.85	12.1	2.4	3.6	6.7	20	<0.1	1.5	0.2	58	0.21	0.047
110091	Soil	1.2	45.2	10.8	87	<0.1	16.2	8.8	362	2.74	8.5	2.6	2.9	9.6	15	0.1	1.5	0.2	49	0.16	0.034
110092	Soil	1.7	31.8	13.6	89	<0.1	18.3	8.8	403	2.73	7.9	1.8	9.9	7.6	13	0.2	0.9	0.2	46	0.12	0.032
110093	Soil	1.1	32.3	10.6	80	<0.1	16.1	8.2	374	2.59	7.5	1.9	<0.5	6.3	11	0.2	0.9	0.2	45	0.11	0.038
110094	Soil	0.9	22.8	14.2	118	<0.1	17.6	11.6	518	3.35	7.3	1.4	<0.5	6.1	10	0.1	0.6	0.2	64	0.17	0.061
110095	Soil	0.9	20.9	8.9	46	<0.1	10.7	5.0	169	2.19	6.3	0.8	1.7	0.7	9	<0.1	0.4	0.1	53	0.10	0.060
110096	Soil	0.8	24.3	8.3	79	<0.1	16.0	10.1	476	3.03	5.6	1.0	2.9	5.1	12	0.1	0.5	0.1	61	0.22	0.066
110097	Soil	0.9	21.4	8.8	60	0.1	13.0	5.8	202	2.38	5.9	1.1	4.6	0.5	9	<0.1	0.4	0.2	52	0.11	0.047
110098	Soil	1.1	26.8	9.4	105	<0.1	14.3	7.6	321	2.88	5.8	1.4	1.0	2.7	11	0.2	0.4	0.1	65	0.17	0.060
110099	Soil	1.0	24.2	10.0	81	<0.1	15.7	7.3	276	2.75	8.9	1.4	3.7	2.3	13	0.2	0.4	0.2	57	0.16	0.054
110100	Soil	1.0	29.2	9.7	85	<0.1	17.2	11.2	453	3.05	9.5	1.8	1.3	5.6	11	0.1	0.7	0.2	62	0.12	0.041
110101	Soil	1.3	22.2	12.4	103	<0.1	13.8	7.8	343	2.43	10.5	1.6	1.6	4.8	12	0.3	0.5	0.3	47	0.14	0.043
110102	Soil	1.0	15.9	10.2	58	<0.1	11.9	6.2	217	2.24	8.7	1.2	2.5	5.4	10	0.1	0.4	0.2	46	0.12	0.034
110103	Soil	0.9	14.9	9.5	61	<0.1	15.2	8.1	245	2.58	8.4	0.9	<0.5	5.3	13	0.1	0.3	0.2	51	0.16	0.035
110104	Soil	1.4	42.0	22.2	132	<0.1	19.9	16.9	739	3.87	6.7	1.4	3.1	8.1	12	<0.1	0.3	0.1	85	0.25	0.070
110105	Soil	1.2	20.7	9.3	52	<0.1	13.9	6.9	228	2.49	9.4	1.3	2.5	2.7	9	<0.1	0.4	0.2	52	0.10	0.054
110106	Soil	0.9	29.3	9.2	68	<0.1	19.6	8.7	291	2.48	9.0	1.7	17.4	5.6	17	<0.1	0.5	0.1	48	0.22	0.045



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
110077	Soil	26	37	0.82	197	0.132	<1	2.25	0.007	0.51	0.1	0.02	2.7	0.4	<0.05	7	<0.5
110078	Soil	38	28	0.54	134	0.071	<1	1.72	0.004	0.22	0.1	0.05	2.3	0.3	<0.05	5	0.8
110079	Soil	40	28	0.62	210	0.069	<1	1.95	0.005	0.33	<0.1	0.03	2.6	0.4	<0.05	6	1.0
110080	Soil	17	29	0.48	280	0.036	<1	1.66	0.006	0.05	0.1	0.10	3.5	0.2	<0.05	5	0.7
110081	Soil	16	29	0.80	209	0.113	<1	2.51	0.007	0.61	0.1	0.03	2.8	0.4	<0.05	6	0.8
110082	Soil	18	33	1.03	230	0.118	<1	2.53	0.008	0.54	0.1	0.02	2.4	0.4	<0.05	6	0.5
110083	Soil	28	34	0.96	242	0.107	<1	2.15	0.007	0.54	0.2	0.02	2.9	0.4	<0.05	5	0.6
110084	Soil	17	59	1.60	270	0.168	<1	3.29	0.008	1.02	0.2	<0.01	2.3	0.8	<0.05	8	0.6
110085	Soil	18	30	0.47	131	0.053	<1	1.57	0.006	0.08	0.2	0.03	2.1	0.1	<0.05	5	0.7
110086	Soil	14	70	1.26	213	0.142	<1	2.75	0.007	0.71	0.1	0.02	1.9	0.5	<0.05	7	0.7
110087	Soil	43	32	0.66	288	0.043	<1	1.70	0.006	0.29	0.2	0.06	5.6	0.2	<0.05	6	0.5
110088	Soil	34	33	0.51	297	0.046	2	1.67	0.007	0.06	0.2	0.08	5.1	0.1	<0.05	5	0.7
110089	Soil	33	30	0.52	306	0.045	1	1.74	0.008	0.07	0.2	0.13	5.0	0.1	<0.05	5	0.6
110090	Soil	32	28	0.57	295	0.053	<1	1.64	0.008	0.13	0.1	0.10	4.5	0.1	<0.05	5	<0.5
110091	Soil	46	24	0.57	235	0.069	3	1.52	0.006	0.13	0.1	0.09	3.2	0.1	<0.05	6	<0.5
110092	Soil	28	25	0.57	276	0.070	<1	1.42	0.006	0.06	0.2	0.08	3.0	<0.1	<0.05	5	<0.5
110093	Soil	27	24	0.61	184	0.082	4	1.35	0.006	0.11	0.1	0.03	2.3	0.1	<0.05	5	<0.5
110094	Soil	39	34	1.07	237	0.120	<1	2.11	0.006	0.49	0.2	0.02	3.1	0.3	<0.05	7	<0.5
110095	Soil	9	26	0.56	134	0.061	2	1.39	0.005	0.08	0.1	0.05	1.5	0.1	<0.05	5	<0.5
110096	Soil	21	32	1.25	383	0.115	2	2.05	0.007	0.46	0.1	0.02	3.4	0.2	<0.05	6	<0.5
110097	Soil	13	29	0.73	173	0.056	2	1.51	0.006	0.12	<0.1	0.05	1.4	<0.1	<0.05	6	<0.5
110098	Soil	19	32	0.94	242	0.108	2	1.88	0.007	0.26	0.1	0.04	2.9	0.1	<0.05	8	<0.5
110099	Soil	17	32	0.75	200	0.085	2	1.77	0.007	0.12	0.1	0.06	2.5	0.1	<0.05	6	<0.5
110100	Soil	20	29	0.76	170	0.089	2	1.86	0.005	0.10	0.2	0.07	2.8	0.1	<0.05	6	0.5
110101	Soil	29	25	0.50	170	0.069	<1	1.43	0.007	0.09	0.1	0.04	2.0	0.1	<0.05	6	<0.5
110102	Soil	16	26	0.50	169	0.078	1	1.39	0.005	0.11	0.1	0.02	1.9	<0.1	<0.05	5	<0.5
110103	Soil	13	32	0.64	180	0.089	1	1.64	0.008	0.10	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5
110104	Soil	39	51	2.08	414	0.223	<1	2.75	0.007	1.13	0.2	<0.01	5.0	0.5	<0.05	9	<0.5
110105	Soil	14	26	0.52	159	0.075	<1	1.52	0.006	0.10	0.1	0.03	2.0	<0.1	<0.05	5	<0.5
110106	Soil	23	28	0.63	286	0.079	2	1.37	0.007	0.09	0.1	0.03	3.3	<0.1	<0.05	4	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
110107	Soil	1.7	27.9	12.3	88	<0.1	17.6	8.5	310	2.56	8.5	1.7	4.6	5.5	16	0.2	0.6	0.1	53	0.18	0.041
110108	Soil	1.4	22.6	9.9	74	<0.1	16.4	8.3	264	2.49	8.6	1.2	0.7	5.6	13	0.1	0.5	0.2	46	0.16	0.052
110109	Soil	2.1	73.4	15.3	94	<0.1	54.7	24.3	446	4.83	7.7	3.2	1.3	23.9	12	<0.1	0.2	0.2	43	0.16	0.054
110110	Soil	1.4	23.5	13.4	64	<0.1	24.0	9.4	309	2.86	10.8	1.6	2.1	15.2	14	<0.1	0.6	0.2	51	0.13	0.027
110111	Soil	1.3	27.5	12.9	59	<0.1	24.2	9.5	301	2.82	10.8	1.7	2.0	8.5	17	<0.1	0.5	0.2	52	0.19	0.053
110112	Soil	1.5	21.4	13.5	77	<0.1	20.8	11.3	321	3.21	11.7	1.7	2.4	28.2	12	0.1	0.6	0.1	45	0.14	0.049
110113	Soil	1.2	23.5	15.0	71	<0.1	24.0	10.7	322	3.26	6.3	3.3	2.3	22.5	12	<0.1	0.5	0.2	39	0.13	0.044
110114	Soil	2.0	30.7	16.3	62	<0.1	28.1	9.2	280	2.83	12.2	1.7	1.0	12.8	19	<0.1	0.8	0.2	48	0.27	0.039
110115	Soil	2.3	31.6	14.4	67	<0.1	31.8	9.3	298	2.85	12.4	1.8	3.6	12.1	19	<0.1	0.7	0.2	48	0.28	0.042
110116	Soil	1.5	10.2	12.5	42	<0.1	13.6	5.9	250	2.10	8.3	0.9	4.3	9.5	15	<0.1	0.7	0.1	31	0.23	0.056
110117	Soil	2.2	24.3	16.3	68	0.1	24.2	7.6	418	3.01	11.6	4.9	2.0	21.4	24	<0.1	0.8	0.2	46	0.46	0.055
110118	Soil	1.1	16.5	10.8	53	<0.1	16.1	6.8	216	2.36	8.3	1.7	1.9	10.5	15	<0.1	0.6	0.1	39	0.19	0.048
110119	Soil	0.9	23.0	15.4	141	<0.1	17.0	19.1	1008	6.01	5.6	3.8	<0.5	45.1	15	<0.1	0.5	0.1	69	0.35	0.184
110120	Soil	1.3	17.9	13.6	76	<0.1	18.3	8.8	296	3.40	9.9	1.7	4.0	14.8	14	<0.1	0.4	0.2	63	0.18	0.038
110121	Soil	1.1	26.7	17.9	116	<0.1	17.8	11.7	424	5.47	11.1	2.4	<0.5	24.2	11	<0.1	0.7	0.2	73	0.12	0.048
110122	Soil	1.4	18.4	14.8	87	<0.1	26.4	11.6	357	4.12	11.9	1.7	<0.5	13.8	13	0.1	0.4	0.2	68	0.17	0.046
110123	Soil	1.1	22.9	17.2	125	<0.1	20.9	16.4	685	5.35	8.7	3.1	1.5	25.3	15	0.2	0.5	0.1	76	0.26	0.091
110124	Soil	0.8	25.9	12.0	150	<0.1	21.6	20.1	847	7.55	5.9	4.0	1.2	38.0	21	<0.1	0.6	0.2	93	0.44	0.174
110125	Soil	0.8	23.4	10.1	125	<0.1	18.5	15.8	637	5.50	4.5	2.3	<0.5	24.4	18	0.1	0.2	<0.1	63	0.39	0.141
110126	Soil	1.3	13.6	12.3	90	<0.1	15.1	12.2	496	4.52	7.9	1.6	0.8	19.4	11	0.1	0.4	0.1	64	0.18	0.094
110127	Soil	1.0	8.9	7.4	69	<0.1	12.9	9.0	345	4.08	4.2	1.6	1.2	18.2	14	<0.1	0.5	<0.1	53	0.22	0.086
110128	Soil	1.4	16.6	11.0	108	<0.1	12.1	13.3	545	5.03	6.6	2.9	<0.5	20.4	16	0.1	1.5	0.1	61	0.32	0.116
110129	Soil	1.5	15.5	9.6	81	<0.1	12.3	11.4	335	3.41	18.4	2.7	2.3	15.8	16	<0.1	2.2	0.1	38	0.27	0.099
110130	Soil	2.2	9.8	11.9	68	<0.1	15.7	8.5	300	3.65	10.5	1.6	1.5	11.9	11	<0.1	1.5	0.2	57	0.19	0.078
110131	Soil	2.7	17.3	15.8	85	<0.1	10.6	13.6	642	3.93	16.5	2.2	0.8	17.5	14	<0.1	2.8	0.1	33	0.39	0.141
110132	Soil	4.0	26.1	17.8	99	<0.1	22.3	19.3	661	5.11	53.6	3.2	1.7	18.9	13	0.1	5.4	0.1	35	0.11	0.046
110133	Soil	1.4	20.6	11.5	70	<0.1	17.4	7.3	273	2.72	8.8	3.2	3.1	13.8	13	<0.1	2.2	0.2	43	0.14	0.027
110134	Soil	1.7	15.0	9.8	135	<0.1	10.8	7.6	368	3.93	6.2	3.8	0.6	23.5	8	<0.1	3.0	0.2	43	0.10	0.038
110135	Soil	1.7	23.0	13.0	97	<0.1	12.9	10.5	484	4.12	8.1	5.7	1.3	26.9	11	<0.1	1.9	<0.1	45	0.13	0.026
110136	Soil	1.7	30.0	11.0	70	<0.1	23.5	8.6	213	2.91	11.7	1.2	2.4	8.5	17	<0.1	1.1	0.2	53	0.15	0.012



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
110107	Soil	26	29	0.72	199	0.093	2	1.57	0.006	0.15	0.2	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
110108	Soil	18	27	0.55	195	0.079	1	1.44	0.006	0.12	0.2	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
110109	Soil	105	38	0.82	204	0.112	1	1.77	0.006	0.71	<0.1	<0.01	5.2	0.5	<0.05	6	<0.5	<0.2
110110	Soil	36	33	0.47	205	0.056	1	1.45	0.007	0.06	0.1	0.06	5.0	<0.1	<0.05	5	<0.5	<0.2
110111	Soil	39	29	0.48	295	0.049	1	1.61	0.007	0.06	0.2	0.06	3.8	<0.1	<0.05	5	<0.5	<0.2
110112	Soil	51	27	0.45	161	0.056	5	1.56	0.006	0.16	0.1	0.05	4.6	0.2	<0.05	5	<0.5	<0.2
110113	Soil	70	25	0.44	145	0.075	1	1.35	0.006	0.26	0.1	0.11	3.7	0.3	<0.05	5	<0.5	<0.2
110114	Soil	45	34	0.42	328	0.038	4	1.52	0.008	0.08	0.1	0.12	4.6	0.1	<0.05	5	<0.5	<0.2
110115	Soil	45	41	0.42	315	0.041	4	1.52	0.009	0.08	0.2	0.12	4.9	<0.1	<0.05	5	<0.5	<0.2
110116	Soil	24	19	0.27	148	0.021	4	0.97	0.005	0.05	0.1	0.05	1.8	<0.1	<0.05	3	<0.5	<0.2
110117	Soil	129	37	0.37	277	0.030	4	1.79	0.008	0.10	0.1	0.17	7.3	0.1	<0.05	7	<0.5	<0.2
110118	Soil	36	21	0.37	165	0.052	1	1.24	0.007	0.06	0.1	0.05	2.8	0.1	<0.05	4	<0.5	<0.2
110119	Soil	167	25	0.97	247	0.265	2	3.11	0.011	1.63	0.1	<0.01	8.8	0.9	0.06	16	<0.5	<0.2
110120	Soil	40	30	0.59	205	0.093	2	2.15	0.009	0.18	0.1	0.03	3.5	0.2	0.10	8	<0.5	<0.2
110121	Soil	77	29	0.75	164	0.174	1	2.79	0.008	0.76	<0.1	0.02	6.0	0.6	0.07	14	<0.5	<0.2
110122	Soil	33	38	0.70	224	0.104	1	2.75	0.008	0.28	0.2	0.02	3.9	0.3	0.08	9	<0.5	<0.2
110123	Soil	65	35	1.05	237	0.200	2	3.07	0.012	0.99	0.2	0.02	6.6	0.7	0.07	13	<0.5	<0.2
110124	Soil	147	36	1.56	361	0.327	<1	4.05	0.011	2.19	0.2	<0.01	12.2	1.3	0.08	21	<0.5	<0.2
110125	Soil	70	26	1.18	351	0.252	1	3.09	0.014	1.70	0.2	0.01	5.7	0.9	0.07	15	<0.5	<0.2
110126	Soil	39	28	0.77	183	0.169	<1	2.54	0.007	0.80	0.2	0.01	5.2	0.6	<0.05	11	<0.5	<0.2
110127	Soil	56	21	0.62	204	0.174	<1	1.81	0.008	0.59	0.1	<0.01	7.2	0.7	<0.05	9	<0.5	<0.2
110128	Soil	78	23	0.94	225	0.203	<1	2.59	0.009	1.30	0.1	0.03	6.6	0.9	<0.05	13	<0.5	<0.2
110129	Soil	122	17	0.42	127	0.052	<1	1.62	0.008	0.33	<0.1	0.33	4.9	0.4	<0.05	6	<0.5	<0.2
110130	Soil	47	27	0.55	179	0.107	<1	1.76	0.007	0.36	0.1	0.14	5.0	0.3	<0.05	7	<0.5	<0.2
110131	Soil	89	13	0.33	196	0.030	<1	1.19	0.004	0.38	<0.1	0.32	6.0	0.4	<0.05	5	0.7	<0.2
110132	Soil	53	19	0.29	165	0.020	<1	1.42	0.004	0.25	<0.1	0.33	6.1	0.4	<0.05	6	1.0	<0.2
110133	Soil	48	24	0.40	244	0.069	1	1.47	0.007	0.14	0.1	0.17	4.2	0.2	<0.05	5	<0.5	<0.2
110134	Soil	90	16	0.52	162	0.119	<1	1.78	0.006	0.61	<0.1	0.05	5.6	0.6	<0.05	8	<0.5	<0.2
110135	Soil	81	17	0.74	191	0.121	<1	2.32	0.009	0.92	<0.1	0.06	7.7	0.9	<0.05	11	<0.5	<0.2
110136	Soil	33	32	0.49	253	0.072	<1	1.59	0.009	0.08	0.1	0.04	4.7	0.2	<0.05	5	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
110137	Soil	1.0	12.7	11.5	107	<0.1	13.1	14.9	585	5.18	5.1	1.1	1.1	23.2	9	<0.1	0.3	<0.1	64	0.19	0.071
110138	Soil	1.9	30.8	15.2	110	<0.1	19.8	12.2	297	4.54	14.0	3.1	1.2	27.3	10	<0.1	1.0	0.1	53	0.13	0.060
110139	Soil	2.0	9.6	17.9	137	<0.1	11.6	7.1	316	3.47	13.2	3.9	0.7	27.4	8	0.1	1.9	0.5	33	0.09	0.029
110140	Soil	1.9	9.6	14.7	138	<0.1	11.4	7.2	331	3.48	10.9	3.4	<0.5	22.8	7	<0.1	1.6	0.4	33	0.08	0.032
110141	Soil	1.6	31.5	11.0	57	<0.1	20.3	8.2	331	3.14	14.3	3.4	4.2	7.2	15	<0.1	0.8	0.2	62	0.12	0.018
110142	Soil	2.3	7.8	11.1	51	<0.1	10.5	8.9	361	3.03	10.4	3.0	0.6	30.3	14	<0.1	0.7	<0.1	25	0.02	0.055
110143	Soil	2.3	7.8	10.6	63	<0.1	10.5	5.6	304	2.65	8.2	5.2	7.7	33.4	10	<0.1	1.8	<0.1	18	0.09	0.032
110144	Soil	0.9	23.3	5.1	55	<0.1	15.0	14.9	264	3.79	7.3	0.3	2.2	1.5	6	<0.1	0.3	<0.1	101	0.14	0.024
110145	Soil	0.9	22.3	8.9	63	<0.1	23.0	13.0	423	2.73	9.1	0.6	2.7	4.0	12	0.2	0.5	0.2	61	0.16	0.039
110146	Soil	0.9	18.4	6.3	48	<0.1	15.0	13.6	281	2.69	6.2	0.4	1.7	1.8	7	<0.1	0.3	<0.1	66	0.15	0.038
110147	Soil	1.2	39.5	3.5	105	0.4	22.0	23.7	352	5.55	5.3	1.4	5.4	1.9	28	0.2	0.2	<0.1	89	0.69	0.246
110148	Soil	1.4	37.1	10.1	76	0.2	29.2	12.5	346	3.12	14.8	1.6	7.2	5.3	14	0.2	0.7	0.2	67	0.18	0.038
110149	Soil	2.4	86.6	7.9	170	0.5	52.3	12.1	255	4.05	4.7	1.8	5.1	8.6	28	0.3	0.3	0.1	82	0.16	0.079
110150	Soil	2.3	62.4	10.3	116	0.2	33.9	12.7	258	3.88	8.1	1.4	3.3	6.4	20	0.3	0.4	0.1	95	0.10	0.066
110151	Soil	2.1	61.7	11.4	96	0.2	34.5	10.1	198	2.92	28.9	1.6	5.7	3.6	16	0.5	1.7	0.2	69	0.08	0.035
110152	Soil	1.8	62.2	11.1	94	<0.1	59.1	15.5	554	3.30	24.1	2.0	3.5	7.6	21	0.3	1.4	0.2	58	0.22	0.047
110153	Soil	1.4	27.4	10.9	125	<0.1	36.0	13.3	474	4.39	8.0	1.3	0.9	12.7	4	0.1	0.4	0.2	49	0.08	0.053
110154	Soil	3.0	71.0	9.7	153	0.2	34.2	10.0	456	4.65	6.1	3.5	2.8	7.2	31	0.6	0.3	0.2	125	0.31	0.149
110155	Soil	3.1	51.7	9.2	94	0.3	26.2	9.0	381	3.30	8.7	1.8	3.1	5.1	14	0.2	0.6	0.2	75	0.11	0.040
110156	Soil	2.0	60.5	7.5	173	0.3	31.3	8.9	428	3.70	4.2	1.4	<0.5	5.0	20	0.2	0.2	0.2	149	0.10	0.058
110157	Soil	0.4	41.0	17.9	188	<0.1	73.6	24.1	1171	4.57	3.9	2.2	1.1	18.2	9	0.8	0.5	0.1	28	0.09	0.036
110158	Soil	3.0	56.8	12.7	94	0.6	28.0	10.6	314	3.46	20.6	1.9	3.3	4.7	14	0.3	1.6	0.2	82	0.09	0.042
110159	Soil	2.3	50.0	6.9	133	0.1	40.8	14.3	291	3.22	11.9	0.6	0.6	2.2	7	0.4	0.7	0.1	101	0.12	0.031
110160	Soil	1.4	45.3	8.7	90	0.3	32.7	9.5	289	2.58	10.6	1.4	3.0	3.9	14	0.3	0.7	0.1	68	0.17	0.038
110161	Soil	2.2	40.9	11.4	109	0.3	36.8	10.1	319	2.83	12.4	1.7	4.3	4.1	15	0.6	0.7	0.2	66	0.13	0.055
110162	Soil	3.6	86.1	13.8	168	0.2	67.1	20.4	778	4.03	8.7	2.3	3.9	16.6	11	0.4	0.7	0.4	53	0.11	0.036
110163	Soil	1.6	22.7	11.1	51	0.4	24.5	8.4	264	2.65	14.4	0.6	1.5	3.8	8	0.2	0.8	0.2	55	0.06	0.021
110164	Soil	2.4	24.8	12.9	68	0.4	25.7	9.1	338	3.29	20.2	0.6	2.2	3.2	11	0.2	1.6	0.3	68	0.08	0.036
110165	Soil	2.1	31.8	13.4	70	0.3	30.7	10.3	264	3.30	22.6	0.6	3.0	3.8	10	0.2	1.5	0.3	67	0.07	0.028
110166	Soil	2.0	46.7	13.7	73	<0.1	29.4	12.1	400	3.30	20.8	1.4	4.0	5.4	19	0.1	2.3	0.3	64	0.12	0.020



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
110137	Soil	31	23	0.98	219	0.216	<1	3.06	0.011	1.36	0.1	<0.01	7.8	1.1	<0.05	14	0.5	<0.2
110138	Soil	61	30	0.86	190	0.218	<1	2.26	0.008	0.86	0.1	<0.01	7.5	0.7	<0.05	9	<0.5	<0.2
110139	Soil	72	16	0.39	168	0.055	<1	1.86	0.005	0.46	0.1	0.02	5.0	0.9	<0.05	9	<0.5	<0.2
110140	Soil	64	14	0.40	166	0.064	<1	1.83	0.005	0.50	0.1	<0.01	4.6	0.9	<0.05	9	0.7	<0.2
110141	Soil	23	38	0.48	315	0.069	<1	1.93	0.013	0.06	0.1	0.05	5.9	0.1	<0.05	6	<0.5	<0.2
110142	Soil	53	12	0.19	95	0.045	<1	1.27	0.005	0.26	<0.1	<0.01	2.6	0.4	<0.05	6	<0.5	<0.2
110143	Soil	77	9	0.17	100	0.020	<1	0.84	0.004	0.14	<0.1	0.46	4.4	0.3	<0.05	5	<0.5	<0.2
110144	Soil	5	38	1.30	283	0.197	<1	2.51	0.014	0.23	0.1	0.02	3.1	0.1	<0.05	8	<0.5	<0.2
110145	Soil	11	33	0.59	233	0.071	1	1.93	0.010	0.06	0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
110146	Soil	6	31	0.94	166	0.102	<1	1.72	0.013	0.17	0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
110147	Soil	11	21	1.07	720	0.177	<1	2.24	0.033	0.72	0.3	0.02	4.3	0.5	0.29	7	1.0	<0.2
110148	Soil	16	38	0.56	452	0.061	<1	2.10	0.009	0.05	0.3	0.06	4.3	0.2	<0.05	5	0.7	<0.2
110149	Soil	44	57	0.93	337	0.152	<1	1.83	0.015	0.98	<0.1	<0.01	2.9	0.5	0.49	6	1.6	<0.2
110150	Soil	31	55	0.78	472	0.093	<1	2.14	0.022	0.44	0.1	0.02	3.2	0.3	0.27	6	1.2	<0.2
110151	Soil	10	40	0.38	183	0.015	<1	1.92	0.005	0.06	<0.1	0.08	3.9	0.3	<0.05	4	1.2	<0.2
110152	Soil	27	38	0.49	292	0.065	<1	1.43	0.007	0.12	<0.1	0.05	6.1	0.2	<0.05	4	0.8	<0.2
110153	Soil	12	40	0.73	107	0.220	<1	1.98	0.005	0.69	<0.1	<0.01	2.7	0.5	<0.05	7	<0.5	<0.2
110154	Soil	38	79	1.25	671	0.190	<1	2.74	0.031	1.04	0.1	0.02	4.4	0.6	0.27	8	1.1	<0.2
110155	Soil	21	41	0.67	468	0.082	<1	1.76	0.013	0.26	0.1	0.04	4.5	0.3	0.13	5	1.2	<0.2
110156	Soil	29	167	1.41	943	0.154	<1	2.48	0.015	0.76	<0.1	<0.01	6.9	0.4	0.22	9	1.6	<0.2
110157	Soil	60	23	0.39	197	0.065	<1	1.15	0.003	0.34	<0.1	<0.01	4.8	0.3	<0.05	4	<0.5	<0.2
110158	Soil	12	37	0.37	366	0.047	<1	1.90	0.007	0.08	0.1	0.04	6.5	0.3	0.05	6	1.5	<0.2
110159	Soil	7	50	0.57	273	0.072	<1	2.07	0.009	0.04	<0.1	0.02	4.4	0.2	<0.05	5	0.9	<0.2
110160	Soil	19	35	0.56	380	0.055	<1	1.61	0.008	0.06	0.1	0.04	4.1	0.1	<0.05	5	<0.5	<0.2
110161	Soil	16	36	0.51	360	0.046	<1	1.71	0.007	0.06	0.2	0.06	3.8	0.2	<0.05	5	1.0	<0.2
110162	Soil	44	38	0.76	249	0.112	<1	1.97	0.005	0.51	<0.1	0.07	6.3	0.6	<0.05	6	2.5	<0.2
110163	Soil	9	29	0.41	215	0.043	<1	1.94	0.005	0.03	0.2	0.05	2.4	<0.1	<0.05	5	<0.5	<0.2
110164	Soil	8	35	0.41	215	0.039	<1	1.99	0.005	0.05	0.2	0.03	2.4	0.2	<0.05	6	0.5	<0.2
110165	Soil	8	38	0.50	224	0.047	<1	2.38	0.005	0.05	0.2	0.03	2.9	0.1	<0.05	6	0.6	<0.2
110166	Soil	20	36	0.53	362	0.059	<1	2.02	0.008	0.05	0.2	0.10	6.6	0.1	<0.05	6	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
110167	Soil	2.6	73.6	12.7	128	0.5	41.2	12.2	300	3.48	24.1	2.5	72.9	5.4	16	0.5	2.2	0.2	88	0.09	0.037
110168	Soil	1.1	36.7	9.4	66	0.3	32.6	12.5	263	2.56	12.1	1.1	2.6	5.6	11	0.4	1.1	0.2	52	0.12	0.041
110169	Soil	0.8	28.1	10.3	51	<0.1	21.7	12.0	222	2.67	10.2	0.9	4.1	5.3	12	0.2	0.7	0.2	52	0.11	0.019
110170	Soil	1.1	39.7	10.0	85	<0.1	21.2	9.0	235	2.90	10.3	0.8	1.9	4.6	16	0.2	1.2	0.2	75	0.15	0.024
110171	Soil	3.8	93.6	10.7	279	0.6	63.3	10.7	311	3.81	10.7	1.8	3.8	6.2	20	0.5	1.6	0.1	117	0.20	0.043
110172	Soil	1.0	31.2	8.7	46	0.1	24.0	11.1	422	2.86	9.2	0.8	3.9	3.7	20	0.1	1.3	0.1	54	0.37	0.042
110173	Soil	1.6	27.5	12.4	63	1.5	25.4	10.9	375	3.16	12.5	1.5	2.8	6.0	11	0.2	1.2	0.2	59	0.08	0.032
110174	Soil	5.4	64.7	14.1	275	0.3	65.9	9.7	260	4.35	29.8	1.9	1.8	4.7	15	0.9	4.7	0.3	99	0.07	0.083
110175	Soil	1.5	82.2	9.0	114	<0.1	48.6	9.0	312	3.38	11.7	0.5	2.4	6.4	13	0.1	1.8	0.2	81	0.21	0.024
110176	Soil	1.1	24.2	12.4	60	0.5	24.3	9.5	212	3.02	13.2	0.8	6.0	5.0	11	<0.1	0.8	0.2	55	0.10	0.030
110177	Soil	1.0	43.3	8.8	64	<0.1	30.6	13.7	267	2.97	9.9	0.8	4.2	4.7	12	0.1	0.7	0.2	65	0.18	0.033
110178	Soil	1.3	22.3	9.7	70	0.6	19.4	7.1	173	2.61	9.8	0.4	2.2	2.5	14	0.2	0.5	0.2	72	0.16	0.035
110179	Soil	0.8	22.9	8.1	51	<0.1	20.6	10.6	264	2.62	6.2	0.6	2.6	3.4	17	0.1	0.4	0.1	57	0.30	0.030
110180	Soil	0.8	22.9	7.8	62	<0.1	21.8	11.4	331	2.69	6.4	0.9	2.7	6.1	20	0.1	0.4	<0.1	50	0.29	0.059
110181	Soil	0.7	28.5	6.6	47	<0.1	19.6	11.2	236	2.43	5.1	0.9	1.5	3.8	16	<0.1	0.4	<0.1	53	0.24	0.019
110182	Soil	0.7	18.4	4.7	29	<0.1	13.4	7.5	147	1.66	2.7	0.4	1.4	1.0	11	<0.1	0.2	<0.1	46	0.20	0.020
110183	Soil	1.6	31.6	14.2	113	0.3	29.6	12.0	572	2.97	26.9	1.2	2.6	4.1	17	0.3	1.9	0.2	88	0.16	0.044
110184	Soil	2.2	68.7	14.5	137	0.1	37.0	13.9	589	3.68	9.6	3.0	4.0	14.6	12	0.5	1.0	0.3	60	0.08	0.045
110185	Soil	1.9	47.2	13.1	117	0.1	32.4	11.3	420	3.19	2.4	2.4	1.2	16.1	16	0.2	0.2	0.3	33	0.09	0.049
110186	Soil	1.7	50.8	10.3	96	<0.1	32.5	11.4	385	2.84	7.1	3.0	3.2	10.3	13	0.2	0.5	0.3	51	0.10	0.027



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
110167	Soil	15	40	0.42	329	0.040	<1	1.91	0.005	0.05	0.2	0.10	6.6	0.1	<0.05	5	1.7	<0.2
110168	Soil	14	33	0.55	176	0.062	<1	1.70	0.008	0.05	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
110169	Soil	13	33	0.52	271	0.053	<1	2.03	0.010	0.04	0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
110170	Soil	10	49	0.57	331	0.049	<1	1.88	0.006	0.06	<0.1	0.01	4.7	0.1	<0.05	5	0.9	<0.2
110171	Soil	28	84	1.04	786	0.108	<1	2.19	0.010	0.17	0.1	0.02	5.4	0.3	<0.05	7	1.9	<0.2
110172	Soil	14	37	0.58	416	0.050	<1	1.61	0.011	0.04	0.1	0.04	6.3	0.1	<0.05	4	0.8	<0.2
110173	Soil	17	36	0.53	255	0.062	<1	2.15	0.009	0.05	0.2	0.06	5.9	0.2	<0.05	5	<0.5	<0.2
110174	Soil	18	41	0.29	261	0.027	1	1.12	0.004	0.08	0.1	0.04	4.0	0.6	<0.05	4	2.0	<0.2
110175	Soil	15	56	0.86	788	0.108	<1	1.74	0.004	0.34	<0.1	0.02	7.8	0.3	<0.05	7	0.5	<0.2
110176	Soil	14	33	0.46	230	0.045	<1	2.05	0.008	0.04	0.1	0.03	3.4	0.1	<0.05	5	<0.5	<0.2
110177	Soil	12	41	0.81	405	0.107	<1	2.04	0.010	0.11	0.1	0.02	4.5	0.1	<0.05	5	<0.5	<0.2
110178	Soil	9	33	0.39	233	0.050	<1	1.60	0.008	0.05	0.2	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
110179	Soil	10	41	0.63	235	0.078	<1	1.79	0.013	0.05	0.1	0.01	3.4	0.1	<0.05	5	<0.5	<0.2
110180	Soil	18	48	0.75	315	0.107	<1	1.70	0.011	0.20	0.2	0.01	2.7	0.2	<0.05	5	<0.5	<0.2
110181	Soil	15	41	0.70	251	0.098	<1	1.66	0.014	0.08	0.1	0.01	3.6	0.1	<0.05	4	0.7	<0.2
110182	Soil	6	34	0.56	188	0.081	<1	1.18	0.011	0.08	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
110183	Soil	13	46	0.37	286	0.066	<1	1.32	0.008	0.05	0.5	0.03	5.1	0.5	<0.05	5	<0.5	<0.2
110184	Soil	44	37	0.67	278	0.100	<1	2.02	0.005	0.52	<0.1	0.05	5.4	0.6	<0.05	6	1.9	<0.2
110185	Soil	44	39	0.83	213	0.131	<1	1.96	0.007	0.79	<0.1	0.02	3.7	0.7	<0.05	6	0.6	<0.2
110186	Soil	28	53	0.73	334	0.100	<1	1.94	0.005	0.32	0.1	0.03	3.9	0.3	<0.05	5	0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000283.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
107268	Soil	0.8	26.3	9.5	66	<0.1	27.7	9.5	415	3.10	10.3	1.1	2.0	6.4	25	<0.1	0.4	0.2	59	0.43	0.069
REP 107268	QC	0.8	26.5	9.5	64	<0.1	28.2	9.8	422	3.13	10.2	1.1	3.8	6.3	24	<0.1	0.4	0.2	57	0.42	0.069
107275	Soil	0.5	29.3	4.6	80	<0.1	15.2	16.1	489	3.65	3.4	0.9	<0.5	5.1	16	<0.1	0.8	0.1	78	0.37	0.059
REP 107275	QC	0.5	29.2	4.5	81	<0.1	14.2	16.1	487	3.70	3.8	0.9	<0.5	5.1	15	<0.1	0.7	0.1	80	0.38	0.059
108271	Soil	1.4	16.9	16.1	75	0.2	18.0	6.2	217	2.88	13.5	0.8	2.2	3.1	7	0.2	0.6	0.2	55	0.06	0.054
REP 108271	QC	1.5	16.2	16.7	73	0.2	18.6	6.3	224	2.91	13.7	0.8	1.5	3.2	7	0.1	0.6	0.2	56	0.05	0.056
108287	Soil	0.9	8.4	9.7	74	<0.1	19.5	11.1	311	3.35	6.2	0.4	<0.5	4.1	12	<0.1	0.4	0.1	55	0.14	0.029
REP 108287	QC	0.7	8.3	9.6	74	<0.1	19.3	10.5	302	3.28	5.9	0.4	<0.5	4.2	11	<0.1	0.4	<0.1	54	0.13	0.026
108306	Soil	0.6	57.0	4.8	30	<0.1	42.0	15.7	294	2.03	5.0	0.2	0.6	1.0	34	<0.1	0.2	<0.1	38	0.17	0.100
REP 108306	QC	0.6	56.8	4.8	30	<0.1	41.6	15.9	290	2.02	4.9	0.2	<0.5	1.0	34	0.1	0.2	<0.1	38	0.17	0.098
108309	Soil	1.0	43.5	12.3	62	<0.1	28.5	12.2	373	3.18	10.9	1.5	3.4	6.5	12	<0.1	0.8	0.3	61	0.11	0.034
REP 108309	QC	1.1	43.1	13.0	65	<0.1	28.0	12.0	360	3.12	11.0	1.5	3.7	6.8	12	0.2	0.7	0.2	60	0.10	0.034
108330	Soil	1.2	37.3	12.4	65	0.2	30.7	9.8	230	2.91	25.4	0.9	3.8	6.7	11	<0.1	1.1	0.2	56	0.07	0.017
REP 108330	QC	1.3	37.9	12.0	63	0.3	30.3	10.0	230	2.95	25.4	0.9	4.2	7.0	11	<0.1	1.1	0.2	55	0.06	0.017
108345	Soil	0.8	18.3	12.1	63	<0.1	22.4	10.2	289	3.08	7.1	0.6	2.6	9.6	11	<0.1	0.4	0.2	49	0.14	0.038
REP 108345	QC	0.9	17.7	12.3	64	<0.1	21.5	10.2	283	3.03	6.9	0.6	0.8	9.7	11	<0.1	0.4	0.2	47	0.14	0.038
108377	Soil	1.1	32.7	12.0	61	<0.1	20.8	5.7	198	2.12	24.6	1.4	2.5	7.7	16	0.1	0.8	0.2	36	0.08	0.028
REP 108377	QC	1.2	32.3	12.4	63	<0.1	20.5	5.6	194	2.08	25.0	1.4	2.5	8.1	17	<0.1	0.7	0.2	36	0.08	0.028
108387	Soil	0.4	10.1	10.6	87	<0.1	12.3	10.6	408	3.17	3.0	2.5	<0.5	43.6	20	<0.1	0.7	<0.1	34	0.31	0.077
REP 108387	QC	0.4	9.9	10.8	83	<0.1	11.9	10.5	394	3.12	3.0	2.5	<0.5	43.9	20	<0.1	0.7	<0.1	34	0.34	0.082
109126	Soil	1.3	20.7	11.2	66	<0.1	26.1	10.8	315	3.56	35.5	0.5	0.8	4.1	11	0.1	0.5	0.2	80	0.11	0.042
REP 109126	QC	1.3	20.0	11.1	63	0.1	26.8	10.7	309	3.55	35.3	0.6	1.4	4.0	10	<0.1	0.5	0.2	79	0.10	0.039
109142	Soil	1.2	23.9	12.2	68	<0.1	19.8	8.5	233	2.45	10.2	1.8	3.0	8.3	14	0.1	0.7	0.2	46	0.16	0.037
REP 109142	QC	1.1	23.7	12.1	65	<0.1	20.3	8.8	229	2.45	10.0	1.8	6.2	8.6	15	0.1	0.7	0.3	46	0.16	0.037
110077	Soil	0.7	29.4	12.4	88	<0.1	28.7	14.4	517	3.59	13.0	1.2	1.7	9.4	13	<0.1	0.4	0.2	51	0.19	0.046
REP 110077	QC	0.8	29.7	12.6	91	<0.1	29.2	14.6	515	3.61	12.8	1.2	1.1	9.3	13	<0.1	0.5	0.2	50	0.19	0.045
110097	Soil	0.9	21.4	8.8	60	0.1	13.0	5.8	202	2.38	5.9	1.1	4.6	0.5	9	<0.1	0.4	0.2	52	0.11	0.047
REP 110097	QC	0.9	21.0	9.3	62	0.1	12.8	6.1	206	2.38	6.2	1.1	3.9	0.5	10	0.1	0.4	0.1	52	0.11	0.048



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Part 2

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
107268	Soil	17	87	1.02	395	0.098	<1	1.99	0.010	0.37	0.2	0.01	5.4	0.2	<0.05	6	<0.5	<0.2
REP 107268	QC	17	87	1.01	404	0.096	<1	1.95	0.010	0.36	0.2	0.01	5.6	0.2	<0.05	6	<0.5	<0.2
107275	Soil	22	23	1.68	399	0.105	1	2.33	0.014	0.22	<0.1	<0.01	7.8	0.2	<0.05	9	<0.5	<0.2
REP 107275	QC	22	22	1.73	370	0.110	1	2.34	0.013	0.23	0.1	<0.01	7.9	0.2	<0.05	9	<0.5	<0.2
108271	Soil	15	28	0.28	80	0.038	1	1.30	0.004	0.07	0.1	<0.01	1.6	0.1	<0.05	5	<0.5	<0.2
REP 108271	QC	15	26	0.28	84	0.037	1	1.29	0.004	0.07	<0.1	<0.01	1.6	0.1	<0.05	5	<0.5	<0.2
108287	Soil	5	56	0.95	161	0.156	<1	2.37	0.005	0.16	0.1	<0.01	1.2	0.2	<0.05	8	<0.5	<0.2
REP 108287	QC	5	53	0.93	160	0.153	<1	2.30	0.005	0.16	0.1	0.01	1.1	0.2	<0.05	8	<0.5	<0.2
108306	Soil	4	98	0.98	170	0.056	<1	2.05	0.007	0.11	<0.1	0.01	1.6	0.2	<0.05	3	<0.5	<0.2
REP 108306	QC	4	99	0.97	172	0.057	<1	2.02	0.007	0.11	<0.1	0.02	1.6	0.1	<0.05	3	<0.5	<0.2
108309	Soil	13	46	0.54	190	0.069	<1	2.37	0.011	0.05	0.2	0.04	5.3	0.1	<0.05	5	<0.5	<0.2
REP 108309	QC	13	43	0.52	188	0.067	1	2.41	0.010	0.05	0.2	0.04	5.2	0.1	<0.05	5	<0.5	<0.2
108330	Soil	13	36	0.46	181	0.048	<1	1.92	0.006	0.07	0.2	0.04	3.7	0.1	<0.05	5	<0.5	<0.2
REP 108330	QC	14	36	0.46	184	0.049	1	1.95	0.006	0.07	0.2	0.05	3.6	0.1	<0.05	5	0.6	<0.2
108345	Soil	15	39	0.75	221	0.147	2	1.92	0.006	0.48	0.1	0.01	2.3	0.3	<0.05	6	<0.5	<0.2
REP 108345	QC	15	37	0.73	224	0.144	1	1.89	0.006	0.45	0.1	0.01	2.2	0.3	<0.05	6	<0.5	<0.2
108377	Soil	16	19	0.22	221	0.024	<1	0.72	0.004	0.05	<0.1	0.07	3.0	<0.1	<0.05	2	0.5	<0.2
REP 108377	QC	16	19	0.22	223	0.023	<1	0.73	0.004	0.05	<0.1	0.06	2.9	<0.1	<0.05	2	0.7	<0.2
108387	Soil	94	36	0.99	186	0.142	<1	2.24	0.007	0.95	0.1	0.04	2.3	0.7	<0.05	9	<0.5	<0.2
REP 108387	QC	94	35	0.96	183	0.144	1	2.32	0.007	0.91	0.1	0.06	2.4	0.8	<0.05	9	<0.5	<0.2
109126	Soil	11	118	0.94	199	0.147	<1	2.35	0.006	0.26	0.2	0.01	2.5	0.2	<0.05	8	<0.5	<0.2
REP 109126	QC	11	115	0.92	196	0.141	<1	2.30	0.006	0.26	0.2	<0.01	2.4	0.2	<0.05	8	<0.5	<0.2
109142	Soil	24	31	0.44	243	0.062	1	1.52	0.009	0.06	0.2	0.04	4.2	0.1	<0.05	5	0.5	<0.2
REP 109142	QC	25	31	0.45	239	0.063	2	1.55	0.008	0.06	0.2	0.03	4.3	0.1	<0.05	5	0.7	<0.2
110077	Soil	26	37	0.82	197	0.132	<1	2.25	0.007	0.51	0.1	0.02	2.7	0.4	<0.05	7	<0.5	<0.2
REP 110077	QC	27	37	0.82	191	0.131	<1	2.24	0.006	0.53	0.2	0.03	2.8	0.4	<0.05	7	<0.5	<0.2
110097	Soil	13	29	0.73	173	0.056	2	1.51	0.006	0.12	<0.1	0.05	1.4	<0.1	<0.05	6	<0.5	<0.2
REP 110097	QC	13	29	0.71	169	0.059	<1	1.53	0.006	0.13	<0.1	0.05	1.6	0.1	<0.05	6	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
110114	Soil	2.0	30.7	16.3	62	<0.1	28.1	9.2	280	2.83	12.2	1.7	1.0	12.8	19	<0.1	0.8	0.2	48	0.27
REP 110114	QC	2.1	31.1	16.7	66	<0.1	28.6	9.4	287	2.95	12.5	1.7	2.8	12.9	19	<0.1	0.8	0.2	49	0.30
110142	Soil	2.3	7.8	11.1	51	<0.1	10.5	8.9	361	3.03	10.4	3.0	0.6	30.3	14	<0.1	0.7	<0.1	25	0.02
REP 110142	QC	2.1	7.8	10.5	49	<0.1	9.9	8.4	337	2.88	10.3	2.9	0.8	29.0	15	<0.1	0.7	<0.1	24	0.02
110149	Soil	2.4	86.6	7.9	170	0.5	52.3	12.1	255	4.05	4.7	1.8	5.1	8.6	28	0.3	0.3	0.1	82	0.16
REP 110149	QC	2.5	87.0	7.9	171	0.5	52.2	12.0	262	4.10	4.6	1.8	3.0	8.6	28	0.4	0.2	0.1	83	0.16
110169	Soil	0.8	28.1	10.3	51	<0.1	21.7	12.0	222	2.67	10.2	0.9	4.1	5.3	12	0.2	0.7	0.2	52	0.11
REP 110169	QC	0.7	27.6	10.6	51	<0.1	21.4	12.4	221	2.73	10.1	0.9	3.6	5.4	12	<0.1	0.7	0.2	51	0.11
110178	Soil	1.3	22.3	9.7	70	0.6	19.4	7.1	173	2.61	9.8	0.4	2.2	2.5	14	0.2	0.5	0.2	72	0.16
REP 110178	QC	1.2	21.8	9.2	68	0.6	18.5	6.9	164	2.48	9.2	0.4	1.0	2.4	13	0.2	0.5	0.2	69	0.15
Reference Materials																				
STD DS8	Standard	14.2	117.1	127.4	336	1.8	40.6	7.9	649	2.60	28.7	2.7	109.1	7.0	65	2.5	6.0	6.8	44	0.69
STD DS8	Standard	14.2	115.4	128.0	340	1.9	39.6	7.9	646	2.58	28.9	2.9	119.2	7.2	67	2.5	6.0	6.9	44	0.69
STD DS8	Standard	13.3	114.6	127.9	326	1.7	38.7	7.5	633	2.49	25.9	2.8	110.3	7.2	68	2.4	5.9	6.8	42	0.67
STD DS8	Standard	12.7	117.1	126.8	334	1.8	39.3	7.8	642	2.53	26.1	2.8	118.5	7.1	72	2.4	5.9	6.8	42	0.69
STD DS8	Standard	13.0	113.2	123.3	318	1.7	38.4	7.5	598	2.52	29.3	2.9	123.1	6.8	66	2.4	6.3	7.1	42	0.64
STD DS8	Standard	13.3	113.2	125.1	320	1.8	38.7	7.7	620	2.50	28.8	3.0	115.1	7.3	69	2.4	6.4	7.1	43	0.67
STD DS8	Standard	12.8	119.5	132.0	334	1.8	39.2	7.6	620	2.49	25.0	2.8	116.8	7.2	72	2.8	6.1	6.8	42	0.72
STD DS8	Standard	13.4	120.6	127.2	334	1.8	39.7	7.6	647	2.52	25.8	2.9	108.3	7.3	73	2.4	6.1	6.8	42	0.72
STD DS8	Standard	13.2	109.0	116.8	307	1.7	38.5	7.7	591	2.42	24.1	2.6	101.1	6.5	59	2.3	4.8	5.8	42	0.64
STD DS8	Standard	13.3	111.9	120.0	323	1.9	40.4	7.8	603	2.46	24.5	2.6	113.9	6.7	61	2.5	5.3	6.0	41	0.70
STD DS8	Standard	12.9	106.0	113.8	301	1.7	36.8	7.1	597	2.36	26.7	2.5	106.1	6.4	65	2.5	5.7	6.5	42	0.67
STD DS8	Standard	12.9	108.0	116.6	306	1.7	36.4	7.2	606	2.44	27.2	2.6	103.0	6.6	66	2.6	5.5	6.7	41	0.68
STD DS8	Standard	13.9	123.0	129.0	343	1.9	42.6	8.6	664	2.67	29.5	2.8	99.2	7.0	67	2.5	5.6	6.5	46	0.73
STD DS8	Standard	14.1	124.5	134.1	347	2.0	44.1	8.7	674	2.72	29.3	2.8	110.5	7.2	67	2.5	5.5	6.9	47	0.74
STD DS8	Standard	13.3	116.3	134.8	337	1.9	40.2	8.1	641	2.57	27.1	2.9	119.9	6.6	64	2.4	5.7	6.7	44	0.68
STD DS8	Standard	12.7	115.6	134.3	334	1.7	41.0	7.9	629	2.49	27.9	2.8	113.8	6.9	65	2.2	5.5	6.7	43	0.74
STD DS8	Standard	13.6	112.4	115.9	328	1.7	38.8	7.7	620	2.46	26.2	2.5	109.9	6.5	62	2.1	5.4	6.3	44	0.68
STD DS8	Standard	13.1	108.5	116.8	317	1.8	37.5	7.3	602	2.37	24.5	2.6	104.8	6.3	60	2.0	4.9	6.1	42	0.68



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
110114	Soil	45	34	0.42	328	0.038	4	1.52	0.008	0.08	0.1	0.12	4.6	0.1	<0.05	5	<0.5	<0.2
REP 110114	QC	46	36	0.43	329	0.042	4	1.57	0.010	0.09	0.1	0.12	4.8	0.1	<0.05	5	<0.5	<0.2
110142	Soil	53	12	0.19	95	0.045	<1	1.27	0.005	0.26	<0.1	<0.01	2.6	0.4	<0.05	6	<0.5	<0.2
REP 110142	QC	51	12	0.19	93	0.044	<1	1.27	0.005	0.25	<0.1	<0.01	2.4	0.4	<0.05	6	0.5	<0.2
110149	Soil	44	57	0.93	337	0.152	<1	1.83	0.015	0.98	<0.1	<0.01	2.9	0.5	0.49	6	1.6	<0.2
REP 110149	QC	46	58	0.93	345	0.155	<1	1.86	0.015	0.96	<0.1	<0.01	3.0	0.5	0.49	5	1.8	<0.2
110169	Soil	13	33	0.52	271	0.053	<1	2.03	0.010	0.04	0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
REP 110169	QC	12	33	0.52	268	0.054	<1	2.05	0.008	0.04	0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
110178	Soil	9	33	0.39	233	0.050	<1	1.60	0.008	0.05	0.2	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
REP 110178	QC	9	31	0.36	222	0.044	<1	1.47	0.007	0.05	0.2	0.01	2.3	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	117	0.64	296	0.116	2	0.91	0.091	0.43	3.0	0.21	2.2	5.5	0.14	5	5.4	5.0
STD DS8	Standard	15	115	0.64	295	0.117	2	0.93	0.092	0.45	3.0	0.20	2.3	5.6	0.14	5	5.6	5.1
STD DS8	Standard	14	117	0.61	270	0.118	2	0.93	0.089	0.41	3.1	0.19	2.0	5.7	0.14	5	5.2	5.4
STD DS8	Standard	14	117	0.63	291	0.118	2	0.89	0.084	0.41	3.2	0.20	2.0	5.4	0.13	5	5.9	5.3
STD DS8	Standard	14	115	0.59	280	0.113	3	0.82	0.076	0.41	3.2	0.20	1.9	5.4	0.16	5	6.0	4.9
STD DS8	Standard	14	117	0.58	277	0.118	3	0.84	0.076	0.40	2.9	0.20	2.0	5.3	0.13	4	4.9	5.8
STD DS8	Standard	14	120	0.63	293	0.125	2	0.92	0.088	0.43	3.0	0.21	2.1	5.6	0.15	5	5.2	5.3
STD DS8	Standard	16	120	0.62	297	0.130	2	0.94	0.089	0.42	3.0	0.19	2.2	5.6	0.14	5	5.5	4.8
STD DS8	Standard	14	118	0.60	252	0.113	3	0.84	0.081	0.40	3.0	0.20	2.1	5.2	0.07	5	5.1	5.0
STD DS8	Standard	15	120	0.60	268	0.122	2	0.95	0.088	0.40	3.1	0.18	2.2	5.4	0.08	5	5.8	4.9
STD DS8	Standard	14	112	0.58	277	0.103	3	0.87	0.083	0.41	2.9	0.18	1.9	5.1	0.12	4	5.5	5.1
STD DS8	Standard	14	113	0.59	281	0.105	2	0.88	0.084	0.40	3.1	0.19	2.1	5.3	0.13	5	5.9	5.0
STD DS8	Standard	14	129	0.68	283	0.128	3	1.03	0.096	0.46	3.1	0.22	2.1	5.5	0.14	5	6.3	5.0
STD DS8	Standard	14	130	0.69	289	0.129	4	1.02	0.094	0.46	3.0	0.21	2.0	5.6	0.14	5	6.1	5.0
STD DS8	Standard	13	118	0.65	278	0.112	3	0.93	0.076	0.43	3.1	0.20	1.7	5.5	0.18	5	4.2	4.5
STD DS8	Standard	13	120	0.63	282	0.117	5	0.90	0.075	0.45	2.9	0.24	1.8	5.4	0.16	5	4.1	4.7
STD DS8	Standard	14	121	0.62	280	0.115	2	0.92	0.086	0.40	2.9	0.20	2.0	5.4	0.17	5	5.0	5.2
STD DS8	Standard	14	118	0.60	270	0.112	2	0.88	0.082	0.40	2.8	0.20	1.9	5.5	0.16	5	4.8	4.8



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Project:

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Part 1

QUALITY CONTROL REPORT

WHI11000283.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	12.5	112.2	118.0	309	1.8	38.1	7.5	596	2.38	27.1	2.6	106.6	6.3	58	2.5	5.2	6.5	41	0.64	0.079
STD DS8	Standard	13.0	113.3	121.6	305	1.7	38.1	7.6	600	2.40	26.4	2.6	105.4	6.2	59	2.3	5.0	6.5	42	0.66	0.081
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

WHI11000283.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	12	116	0.59	268	0.103	3	0.84	0.077	0.40	2.9	0.19	2.0	5.4	0.15	5	5.5	4.9
STD DS8	Standard	13	116	0.59	270	0.107	2	0.86	0.077	0.40	2.9	0.19	1.9	5.3	0.15	5	4.6	4.8
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: June 22, 2011
Report Date: July 05, 2011
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CERTIFICATE OF ANALYSIS

WHI11000284.1

CLIENT JOB INFORMATION

Project: WMOOSE
Shipment ID: 20110617100612
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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Greg Davidson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** 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:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000284.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
110187	Soil	1.7	43.3	10.0	78	0.2	23.3	10.1	220	2.50	6.0	2.4	3.6	6.8	12	0.2	0.4	0.2	52	0.13	0.038
110188	Soil	3.3	66.0	12.4	109	0.2	24.3	11.2	338	3.27	1.9	2.7	3.7	11.0	19	0.2	0.2	0.5	72	0.05	0.053
110189	Soil	2.1	37.6	9.8	93	0.1	25.8	11.7	338	2.90	9.0	1.4	4.1	5.8	13	0.2	0.5	0.2	54	0.11	0.037
110190	Soil	2.2	42.3	12.3	92	0.2	26.6	11.8	344	2.84	8.5	1.8	8.9	6.0	13	0.3	0.5	0.2	52	0.11	0.038
110191	Soil	2.2	39.4	11.1	103	0.3	28.6	11.3	302	2.75	10.3	2.0	4.0	5.8	13	0.2	0.7	0.2	50	0.12	0.048
110192	Soil	3.2	46.4	15.7	97	0.6	32.1	12.6	341	2.88	23.2	2.0	8.0	5.5	17	0.5	1.5	0.2	70	0.14	0.042
110193	Soil	1.2	36.6	21.6	114	<0.1	11.1	10.1	376	4.33	13.8	1.7	2.9	27.2	10	0.2	1.3	0.2	37	0.39	0.110
110194	Soil	2.2	13.1	25.9	106	<0.1	12.2	9.2	330	4.75	11.0	1.9	1.0	15.7	10	0.1	0.7	0.2	41	0.33	0.114
110195	Soil	2.7	12.7	18.6	106	<0.1	10.6	7.4	380	4.03	22.6	2.2	0.5	21.1	8	<0.1	2.6	0.3	38	0.22	0.089
110196	Soil	1.0	10.3	19.8	71	<0.1	16.9	8.6	279	3.14	5.4	1.1	1.4	10.1	11	<0.1	0.3	0.2	56	0.18	0.043
110197	Soil	1.2	15.3	13.3	52	<0.1	17.6	5.7	138	2.68	12.6	1.0	2.4	11.4	10	<0.1	0.6	0.2	67	0.12	0.018
110198	Soil	1.6	40.7	22.0	75	<0.1	34.8	10.1	222	3.10	14.6	2.2	4.4	14.2	14	<0.1	1.2	0.2	67	0.12	0.015
110199	Soil	1.3	48.9	13.1	59	<0.1	28.4	11.0	279	3.16	18.2	3.8	4.5	7.1	11	<0.1	1.2	0.2	70	0.09	0.015
110200	Soil	2.1	53.9	22.5	72	0.2	32.3	10.0	366	3.67	46.5	2.0	1.3	9.1	10	<0.1	5.4	0.3	65	0.06	0.041
110201	Soil	2.4	31.9	76.5	29	0.2	9.3	1.5	22	1.81	113.2	1.8	1.1	8.6	21	0.2	62.7	0.3	41	0.02	0.038
110202	Soil	1.9	49.0	12.6	82	0.2	39.1	13.2	219	3.00	34.3	2.9	5.5	11.5	10	<0.1	2.3	0.2	60	0.07	0.022
110203	Soil	2.1	42.2	28.5	57	0.2	22.6	8.7	172	2.86	56.6	1.6	4.1	7.4	13	0.1	7.6	0.2	62	0.06	0.024
110204	Soil	1.4	31.2	15.1	59	<0.1	21.8	8.7	139	2.87	29.3	1.5	2.6	7.7	9	<0.1	3.6	0.2	53	0.05	0.024
110205	Soil	1.4	35.6	12.6	61	<0.1	26.5	10.7	242	3.05	16.9	1.1	2.8	6.2	16	<0.1	1.6	0.2	68	0.11	0.015
110206	Soil	2.3	33.1	29.8	76	<0.1	20.1	8.0	191	2.94	23.5	1.1	4.1	7.3	19	<0.1	1.6	0.2	54	0.06	0.025
110207	Soil	0.8	18.8	30.7	202	<0.1	18.6	7.4	714	4.37	6.2	1.9	0.7	21.5	14	0.1	2.2	0.3	29	0.10	0.027
110208	Soil	1.0	41.4	10.3	103	<0.1	27.6	11.3	370	3.90	18.8	1.7	2.5	10.4	14	<0.1	2.7	<0.1	47	0.04	0.030
110209	Soil	0.4	78.3	7.1	78	<0.1	62.4	16.8	1235	1.12	6.3	0.7	6.1	6.1	10	<0.1	1.6	0.2	19	0.12	0.031
110210	Soil	1.1	28.4	19.9	63	0.1	23.7	11.6	235	2.69	28.5	2.1	84.3	14.1	33	<0.1	4.4	0.2	24	0.03	0.035
110211	Soil	0.5	110.1	11.3	117	<0.1	31.6	14.1	727	4.46	10.5	1.2	17.6	3.5	16	<0.1	1.1	0.1	95	0.10	0.029
110212	Soil	1.0	27.1	12.3	62	<0.1	23.2	6.7	274	2.62	20.3	1.8	7.6	5.7	12	<0.1	2.5	0.2	55	0.09	0.026
110213	Soil	1.1	55.9	20.3	129	<0.1	40.6	9.8	487	3.29	27.6	2.9	5.7	8.1	17	<0.1	3.2	0.2	53	0.09	0.025
110214	Soil	0.7	27.2	11.6	96	<0.1	24.3	8.9	255	2.69	16.8	1.7	4.8	7.0	12	0.1	1.6	0.1	54	0.10	0.017
110215	Soil	1.0	30.5	13.7	107	<0.1	26.7	10.9	339	2.79	19.7	2.3	3.6	7.7	13	0.2	1.8	0.2	56	0.11	0.018
110216	Soil	1.0	33.8	14.5	93	<0.1	28.9	10.7	290	3.04	14.7	2.7	5.9	8.8	17	<0.1	1.1	0.2	61	0.15	0.017



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Project: WMOOSE
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
110187	Soil	19	33	0.46	241	0.073	<1	1.49	0.007	0.14	0.1	0.07	4.0	0.2	<0.05	5	<0.5
110188	Soil	30	48	0.96	525	0.150	<1	1.93	0.009	0.79	<0.1	0.01	3.5	0.6	<0.05	6	1.1
110189	Soil	13	36	0.43	212	0.059	<1	1.48	0.007	0.08	0.1	0.04	2.6	0.1	<0.05	4	<0.5
110190	Soil	14	34	0.40	216	0.063	<1	1.43	0.006	0.09	0.1	0.04	2.6	0.1	<0.05	5	<0.5
110191	Soil	16	34	0.41	174	0.059	<1	1.45	0.006	0.11	0.2	0.07	3.1	0.3	<0.05	4	<0.5
110192	Soil	14	40	0.39	266	0.050	<1	1.88	0.007	0.06	0.2	0.15	3.2	0.2	<0.05	5	<0.5
110193	Soil	60	17	0.24	186	0.013	<1	1.19	0.005	0.20	0.1	0.01	6.5	0.3	<0.05	7	<0.5
110194	Soil	22	20	0.37	144	0.058	1	1.87	0.005	0.55	<0.1	0.01	7.1	0.5	<0.05	9	0.8
110195	Soil	23	19	0.25	104	0.075	<1	1.30	0.005	0.39	0.1	0.01	6.1	0.6	<0.05	8	<0.5
110196	Soil	20	36	0.60	164	0.135	<1	2.02	0.007	0.48	0.2	0.01	4.9	0.6	<0.05	10	<0.5
110197	Soil	34	39	0.43	158	0.062	<1	1.82	0.008	0.06	0.2	0.03	3.2	0.1	<0.05	6	<0.5
110198	Soil	17	42	0.49	260	0.057	2	2.36	0.007	0.07	0.1	0.09	4.1	0.1	<0.05	6	<0.5
110199	Soil	20	43	0.44	272	0.074	<1	2.07	0.009	0.05	0.2	0.14	8.1	<0.1	<0.05	5	<0.5
110200	Soil	28	33	0.31	254	0.031	2	1.74	0.005	0.10	0.1	0.05	3.5	0.2	<0.05	5	<0.5
110201	Soil	24	20	0.04	153	0.003	<1	0.74	0.003	0.05	<0.1	0.07	2.4	0.3	<0.05	2	1.5
110202	Soil	30	38	0.46	229	0.060	<1	2.02	0.006	0.09	0.1	0.05	4.2	0.2	<0.05	5	<0.5
110203	Soil	16	37	0.31	240	0.031	<1	1.84	0.005	0.05	0.2	0.08	3.8	<0.1	<0.05	5	<0.5
110204	Soil	14	32	0.25	142	0.035	<1	1.53	0.005	0.03	<0.1	0.06	3.5	0.1	<0.05	3	<0.5
110205	Soil	18	41	0.48	326	0.074	<1	1.97	0.010	0.05	0.1	0.07	5.8	<0.1	<0.05	5	<0.5
110206	Soil	15	29	0.27	225	0.037	<1	1.36	0.006	0.06	<0.1	0.10	5.1	<0.1	<0.05	4	<0.5
110207	Soil	35	16	0.82	358	0.042	<1	2.21	0.004	0.47	<0.1	0.02	7.2	0.9	<0.05	7	<0.5
110208	Soil	15	26	0.46	304	0.044	<1	1.63	0.005	0.21	<0.1	0.04	4.7	0.4	<0.05	5	<0.5
110209	Soil	21	14	1.23	1288	0.020	2	1.62	0.013	0.32	<0.1	0.04	3.5	0.1	<0.05	5	<0.5
110210	Soil	19	18	0.11	222	0.008	1	0.84	0.003	0.07	<0.1	0.06	2.1	0.2	<0.05	2	1.2
110211	Soil	12	15	1.45	1832	0.210	<1	2.36	0.015	1.20	<0.1	0.02	13.2	0.2	<0.05	9	<0.5
110212	Soil	16	30	0.36	279	0.051	<1	1.64	0.006	0.06	0.1	0.05	3.7	0.1	<0.05	5	<0.5
110213	Soil	21	33	0.39	332	0.062	<1	1.60	0.006	0.10	0.1	0.11	8.0	0.2	<0.05	5	<0.5
110214	Soil	18	32	0.36	245	0.056	<1	1.71	0.007	0.06	<0.1	0.03	4.3	0.1	<0.05	5	<0.5
110215	Soil	20	34	0.35	284	0.060	<1	1.72	0.007	0.06	0.1	0.07	5.4	0.1	<0.05	4	<0.5
110216	Soil	25	36	0.42	390	0.087	<1	1.95	0.008	0.09	0.2	0.06	5.8	0.2	<0.05	5	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
110217	Soil	0.9	49.5	12.7	77	<0.1	32.7	11.2	435	2.78	9.8	2.5	2.0	5.8	21	<0.1	0.8	0.2	66	0.21	0.016
110218	Soil	1.2	35.5	15.4	65	<0.1	22.8	6.5	272	2.35	15.7	2.1	2.2	8.3	14	<0.1	1.5	0.2	40	0.07	0.022
110219	Soil	1.2	47.3	14.4	70	<0.1	28.2	10.5	393	2.94	19.6	2.6	4.6	6.7	14	<0.1	1.0	0.2	65	0.11	0.018
110220	Soil	1.1	30.0	10.7	85	<0.1	23.2	8.0	346	2.48	11.0	1.4	2.8	5.5	12	0.1	1.0	0.1	54	0.11	0.018
110221	Soil	1.0	38.8	12.1	81	<0.1	26.8	8.2	365	2.59	13.4	1.9	3.4	7.1	15	<0.1	1.0	0.2	55	0.14	0.023
110222	Soil	1.0	33.9	11.9	66	<0.1	24.3	8.5	306	2.58	12.0	2.2	4.1	5.6	24	<0.1	1.1	0.2	47	0.24	0.029
110223	Soil	1.0	28.6	13.5	56	<0.1	16.9	9.3	446	2.37	15.8	2.1	3.9	5.6	19	<0.1	1.3	0.2	47	0.19	0.040
110224	Soil	0.9	29.9	10.0	62	0.1	18.7	6.4	350	2.20	10.2	2.1	4.1	5.0	23	<0.1	1.2	0.2	41	0.25	0.044
110225	Soil	0.9	20.7	11.4	55	<0.1	17.9	5.6	204	2.02	15.2	1.0	2.8	5.0	16	<0.1	1.5	0.2	38	0.12	0.030
110226	Soil	1.4	38.0	14.7	79	0.1	32.1	10.1	337	3.17	24.6	2.5	4.1	7.9	21	<0.1	1.2	0.2	50	0.17	0.026
110227	Soil	0.8	26.0	9.6	68	<0.1	22.7	4.9	129	2.85	6.8	3.0	1.4	11.8	14	0.1	1.0	0.2	31	0.10	0.049
110228	Soil	1.2	33.5	11.2	88	<0.1	35.2	9.3	239	2.88	13.3	2.6	4.0	8.6	12	<0.1	1.3	0.2	40	0.13	0.044
110229	Soil	0.6	26.5	8.5	64	0.2	23.8	6.8	196	2.23	9.9	1.5	11.2	5.9	21	<0.1	1.2	0.2	36	0.25	0.067
110230	Soil	1.0	31.8	10.3	68	0.3	25.4	7.3	183	2.52	9.1	2.1	4.4	6.4	20	<0.1	1.1	0.2	44	0.23	0.059
110231	Soil	1.1	30.3	15.1	84	0.1	31.4	8.1	270	2.91	6.8	1.5	6.4	8.0	22	<0.1	0.7	0.2	39	0.20	0.056
110232	Soil	1.5	69.3	19.4	134	0.2	34.5	12.9	497	4.46	3.8	3.0	5.6	11.3	17	0.3	1.0	0.5	47	0.08	0.063
110233	Soil	1.8	52.7	9.8	61	<0.1	24.3	3.8	139	1.78	12.6	1.2	3.4	3.9	25	<0.1	1.0	0.2	29	0.08	0.017
110234	Soil	1.3	37.3	25.8	24	0.2	13.0	4.3	131	2.01	668.4	1.8	56.4	10.4	36	<0.1	13.6	0.2	14	0.16	0.033
110235	Soil	0.9	23.1	14.2	48	0.1	19.4	7.7	348	2.62	11.6	2.1	3.2	7.9	22	<0.1	0.7	0.2	44	0.29	0.026
110236	Soil	1.6	23.5	15.7	81	<0.1	24.1	8.2	381	3.15	11.7	1.7	2.8	13.7	20	<0.1	1.0	0.2	42	0.21	0.031
110237	Soil	1.3	12.1	9.9	62	<0.1	10.3	3.7	138	3.11	5.7	2.6	1.4	19.6	12	<0.1	0.4	0.3	18	0.13	0.013
110238	Soil	1.2	17.1	9.1	62	<0.1	16.2	4.7	260	2.37	6.5	2.1	2.2	12.1	15	<0.1	0.7	0.2	27	0.17	0.017
110239	Soil	1.2	14.5	14.9	38	<0.1	11.8	5.0	179	1.68	10.8	2.6	0.8	11.2	16	<0.1	4.7	0.2	20	0.17	0.016
110240	Soil	1.4	11.7	10.7	37	<0.1	11.7	4.2	115	1.59	8.3	2.5	1.0	12.4	15	<0.1	4.2	0.2	17	0.16	0.014
110241	Soil	1.4	26.5	21.0	51	<0.1	20.3	7.4	255	2.84	10.9	1.9	2.6	12.8	17	<0.1	1.0	0.2	40	0.16	0.022
110242	Soil	1.2	27.7	19.7	76	<0.1	20.8	6.9	218	2.86	9.5	1.8	3.1	11.0	17	<0.1	1.0	0.2	41	0.18	0.017
110243	Soil	1.0	13.4	25.7	94	<0.1	9.8	3.0	224	3.20	6.8	5.8	<0.5	22.6	11	<0.1	0.6	0.5	21	0.11	0.015
110244	Soil	0.9	15.3	16.1	84	<0.1	12.5	5.0	241	2.15	4.9	2.6	1.1	13.1	15	<0.1	0.5	0.4	28	0.14	0.018
110245	Soil	0.9	22.2	11.7	54	<0.1	18.4	5.8	200	2.14	8.4	1.7	6.0	6.0	27	<0.1	0.7	0.2	37	0.31	0.053
110246	Soil	1.8	26.8	12.2	52	<0.1	24.7	19.5	711	2.95	16.2	1.0	3.1	5.3	18	<0.1	0.9	0.2	71	0.15	0.025



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
110217	Soil	18	31	0.57	643	0.127	<1	2.28	0.013	0.06	0.1	0.04	5.5	<0.1	<0.05	6	<0.5	<0.2
110218	Soil	16	20	0.21	316	0.030	<1	0.97	0.004	0.05	0.1	0.06	4.8	0.2	<0.05	3	0.5	<0.2
110219	Soil	19	38	0.37	360	0.064	<1	1.85	0.010	0.05	0.1	0.08	5.9	0.1	<0.05	5	<0.5	<0.2
110220	Soil	14	28	0.39	309	0.062	<1	1.65	0.007	0.05	0.1	0.03	3.6	0.2	<0.05	4	<0.5	<0.2
110221	Soil	20	27	0.35	359	0.068	<1	1.55	0.006	0.06	0.1	0.05	4.8	0.1	<0.05	4	0.6	<0.2
110222	Soil	16	28	0.44	397	0.056	<1	1.37	0.009	0.05	0.2	0.05	4.4	<0.1	<0.05	4	0.5	<0.2
110223	Soil	18	22	0.35	362	0.056	<1	1.03	0.006	0.06	0.1	0.04	3.4	<0.1	0.05	3	<0.5	<0.2
110224	Soil	15	24	0.41	414	0.047	<1	1.30	0.008	0.04	0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
110225	Soil	12	21	0.30	226	0.036	<1	1.10	0.005	0.04	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
110226	Soil	23	33	0.42	372	0.038	<1	1.54	0.006	0.06	0.1	0.05	5.5	0.1	<0.05	4	<0.5	<0.2
110227	Soil	33	23	0.54	273	0.059	<1	1.43	0.004	0.30	<0.1	<0.01	4.1	0.3	<0.05	4	0.5	<0.2
110228	Soil	30	28	0.36	158	0.031	<1	1.13	0.004	0.08	0.1	0.02	4.5	0.2	<0.05	3	0.8	<0.2
110229	Soil	18	24	0.45	250	0.041	<1	1.04	0.007	0.07	0.1	0.07	3.2	<0.1	<0.05	3	<0.5	<0.2
110230	Soil	20	29	0.46	243	0.038	<1	1.40	0.007	0.07	0.1	0.12	3.4	0.1	<0.05	4	<0.5	<0.2
110231	Soil	16	23	0.32	236	0.018	<1	0.95	0.005	0.07	0.1	0.06	4.3	0.1	<0.05	3	0.7	<0.2
110232	Soil	19	19	0.09	209	0.004	<1	0.54	0.005	0.07	<0.1	0.15	6.2	0.2	<0.05	3	1.3	<0.2
110233	Soil	9	14	0.11	327	0.009	<1	0.47	0.003	0.05	0.2	0.04	3.9	<0.1	<0.05	2	0.8	<0.2
110234	Soil	29	12	0.13	295	0.005	<1	0.54	0.005	0.08	<0.1	0.04	1.9	<0.1	<0.05	2	<0.5	<0.2
110235	Soil	24	28	0.38	489	0.039	<1	1.48	0.008	0.07	0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
110236	Soil	34	30	0.40	301	0.048	<1	1.53	0.007	0.21	<0.1	0.03	5.6	0.2	<0.05	6	0.5	<0.2
110237	Soil	38	10	0.17	212	0.034	<1	1.04	0.004	0.24	<0.1	0.02	3.5	0.3	<0.05	6	<0.5	<0.2
110238	Soil	33	18	0.22	243	0.028	<1	1.10	0.006	0.11	<0.1	0.25	3.5	0.2	<0.05	4	<0.5	<0.2
110239	Soil	30	13	0.18	287	0.006	<1	1.01	0.005	0.10	<0.1	0.10	3.0	<0.1	<0.05	4	<0.5	<0.2
110240	Soil	33	14	0.16	250	0.007	<1	1.08	0.005	0.12	<0.1	0.13	3.2	0.1	<0.05	4	<0.5	<0.2
110241	Soil	37	26	0.32	305	0.034	<1	1.63	0.007	0.11	<0.1	0.09	4.6	0.2	<0.05	6	0.6	<0.2
110242	Soil	36	27	0.33	281	0.030	<1	1.58	0.005	0.09	<0.1	0.33	5.1	0.1	<0.05	6	0.6	<0.2
110243	Soil	70	12	0.18	321	0.070	<1	1.50	0.003	0.43	<0.1	0.22	5.2	0.5	<0.05	9	<0.5	<0.2
110244	Soil	45	17	0.36	295	0.076	<1	1.06	0.007	0.30	<0.1	0.10	3.4	0.3	<0.05	5	<0.5	<0.2
110245	Soil	18	25	0.39	290	0.047	<1	1.08	0.008	0.06	0.1	0.08	2.8	<0.1	<0.05	4	<0.5	<0.2
110246	Soil	15	34	0.44	308	0.056	<1	1.67	0.008	0.04	0.2	0.04	4.5	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
110247	Soil	1.8	38.9	18.2	83	<0.1	29.0	10.8	307	3.28	31.6	2.0	3.4	12.3	16	0.1	2.6	0.2	53	0.12	0.032
110248	Soil	1.4	29.6	11.5	55	<0.1	31.7	14.4	355	2.84	12.1	0.9	2.0	5.9	18	<0.1	0.9	0.2	61	0.17	0.020
110249	Soil	1.8	51.3	19.4	59	<0.1	33.5	16.0	565	3.68	18.3	0.9	6.3	8.8	20	<0.1	1.8	0.3	70	0.19	0.021
111229	Soil	0.9	9.3	10.8	47	<0.1	16.2	7.6	206	2.79	8.8	0.7	1.2	4.2	14	<0.1	0.5	0.2	50	0.15	0.033
111230	Soil	0.8	18.9	11.2	62	<0.1	21.5	9.6	302	2.65	8.5	1.1	4.1	6.3	17	<0.1	0.6	0.2	45	0.17	0.024
111231	Soil	0.8	23.3	9.7	58	<0.1	21.2	8.9	322	2.51	9.2	0.9	3.0	3.5	17	<0.1	0.6	0.2	58	0.18	0.044
111232	Soil	1.1	19.6	14.8	68	<0.1	10.1	10.3	820	3.46	7.1	0.7	1.4	12.9	8	<0.1	1.8	0.2	47	0.11	0.055
111233	Soil	1.2	20.2	11.9	74	<0.1	20.9	11.0	395	3.13	18.0	1.2	2.5	13.0	20	0.1	1.5	0.2	49	0.15	0.025
111234	Soil	0.9	23.0	12.0	64	<0.1	22.5	11.1	362	2.96	9.8	0.9	6.9	7.3	18	0.1	0.8	0.2	55	0.18	0.040
111235	Soil	1.1	22.0	12.4	74	<0.1	22.8	11.0	403	3.12	10.7	1.2	3.5	10.4	17	<0.1	0.8	0.2	52	0.15	0.024
111236	Soil	1.1	9.8	10.9	49	<0.1	15.3	7.4	309	2.55	6.9	0.9	<0.5	9.6	10	<0.1	0.5	0.2	48	0.14	0.034
111237	Soil	1.0	15.2	9.6	54	<0.1	20.6	9.9	277	3.13	7.8	0.8	1.9	4.3	13	<0.1	0.5	0.2	56	0.16	0.032
111238	Soil	1.7	45.7	15.2	113	0.1	21.6	11.8	450	3.24	10.6	1.9	2.1	9.0	15	0.1	1.0	0.3	63	0.16	0.046
111239	Soil	0.9	39.8	9.0	54	<0.1	21.3	8.6	247	2.52	9.7	0.7	3.2	3.8	13	<0.1	0.6	0.1	53	0.16	0.050
111240	Soil	1.1	40.0	16.7	101	<0.1	21.6	12.9	501	3.08	8.5	0.9	2.8	4.6	12	0.1	0.8	0.2	60	0.16	0.040
111241	Soil	1.3	20.2	9.1	59	<0.1	22.2	9.1	295	3.02	9.7	1.4	2.2	4.4	16	<0.1	0.5	0.2	63	0.17	0.056
111242	Soil	0.9	22.9	9.4	60	<0.1	22.9	9.9	283	2.79	9.4	1.1	2.3	4.3	13	0.1	0.6	0.2	55	0.15	0.050
111243	Soil	1.1	17.1	9.8	52	<0.1	19.8	9.0	248	2.69	10.4	0.9	2.1	4.9	11	<0.1	0.6	0.2	52	0.11	0.037
111244	Soil	0.9	27.8	10.0	83	<0.1	30.4	14.4	497	3.03	8.8	1.3	<0.5	6.0	19	<0.1	0.5	0.2	59	0.24	0.047
111245	Soil	1.1	18.1	10.6	55	<0.1	20.0	8.5	219	2.69	11.1	0.8	1.5	5.3	10	<0.1	0.6	0.2	51	0.10	0.031
111246	Soil	0.8	37.8	9.9	65	<0.1	23.4	10.3	277	2.66	10.0	0.9	4.6	5.2	13	<0.1	0.7	0.2	53	0.13	0.042
111247	Soil	0.8	41.6	7.7	49	<0.1	19.4	8.9	238	2.30	8.6	0.6	6.6	3.1	12	<0.1	0.5	0.1	56	0.16	0.044
111248	Soil	1.1	38.8	17.5	103	<0.1	22.6	14.8	602	3.15	9.3	0.9	2.8	5.0	12	0.1	0.9	0.2	62	0.19	0.036
111249	Soil	2.4	15.0	17.1	89	<0.1	10.9	7.4	181	3.56	21.4	4.5	2.9	33.4	12	<0.1	2.8	0.3	35	0.11	0.030
111250	Soil	1.4	27.3	12.2	66	<0.1	20.1	8.9	251	2.86	10.7	3.9	2.3	13.9	15	<0.1	1.3	0.2	48	0.14	0.017
111251	Soil	1.8	19.6	10.6	54	<0.1	13.6	8.3	269	2.78	12.6	3.6	4.9	18.4	12	<0.1	1.5	0.2	36	0.13	0.031
111252	Soil	1.5	24.4	13.5	63	<0.1	19.0	8.6	267	2.86	18.0	4.7	2.7	15.8	22	<0.1	1.0	0.2	46	0.25	0.039
111253	Soil	1.7	18.5	12.7	67	<0.1	17.9	8.5	253	3.00	15.5	2.6	5.3	20.9	18	<0.1	0.9	0.2	48	0.19	0.027
111254	Soil	1.9	12.6	12.6	59	<0.1	13.4	7.1	242	3.39	34.5	1.5	1.2	8.3	11	<0.1	1.1	0.2	58	0.13	0.077
111255	Soil	1.2	29.7	10.0	62	0.1	20.4	9.6	338	2.94	9.9	1.8	2.1	13.7	20	<0.1	1.0	0.2	49	0.28	0.058



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
110247	Soil	22	37	0.35	244	0.055	<1	1.75	0.005	0.09	0.1	0.03	6.8	0.2	<0.05	5	0.6	<0.2
110248	Soil	14	35	0.46	391	0.044	<1	2.18	0.007	0.04	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
110249	Soil	18	41	0.45	387	0.059	<1	2.20	0.007	0.06	<0.1	0.07	6.3	<0.1	<0.05	6	<0.5	<0.2
111229	Soil	12	35	0.55	208	0.080	<1	1.91	0.007	0.10	0.2	0.04	2.1	0.1	<0.05	6	<0.5	<0.2
111230	Soil	16	31	0.56	206	0.091	<1	1.73	0.007	0.10	0.2	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
111231	Soil	15	41	0.65	306	0.102	<1	1.47	0.008	0.10	0.2	0.03	2.7	0.2	<0.05	6	<0.5	<0.2
111232	Soil	8	23	0.83	185	0.135	<1	1.98	0.006	0.48	0.1	0.03	3.7	0.3	<0.05	10	0.6	<0.2
111233	Soil	40	32	0.77	354	0.099	1	2.09	0.007	0.17	0.2	0.07	3.7	0.2	<0.05	6	<0.5	<0.2
111234	Soil	24	34	0.75	278	0.085	<1	1.87	0.007	0.13	0.2	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
111235	Soil	37	31	0.71	336	0.085	2	1.90	0.007	0.13	0.2	0.04	4.8	0.1	<0.05	6	0.7	<0.2
111236	Soil	20	46	0.76	300	0.091	3	1.79	0.006	0.23	0.2	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
111237	Soil	12	49	0.71	243	0.122	3	2.20	0.006	0.19	0.2	0.03	2.2	0.2	<0.05	6	<0.5	<0.2
111238	Soil	38	33	0.72	222	0.065	2	1.99	0.010	0.11	0.2	0.09	4.9	0.2	<0.05	6	0.5	<0.2
111239	Soil	12	29	0.49	166	0.051	3	1.53	0.007	0.05	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
111240	Soil	14	33	0.97	264	0.103	3	2.07	0.006	0.28	0.2	0.03	3.2	0.2	<0.05	6	<0.5	<0.2
111241	Soil	19	50	0.77	275	0.102	3	1.80	0.011	0.25	0.2	0.04	3.2	0.2	<0.05	6	<0.5	<0.2
111242	Soil	14	37	0.63	200	0.083	3	1.70	0.007	0.11	0.2	0.03	2.6	0.1	<0.05	5	0.6	<0.2
111243	Soil	12	35	0.51	142	0.066	2	1.68	0.006	0.06	0.2	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
111244	Soil	17	54	1.01	412	0.144	3	1.94	0.007	0.32	0.2	0.01	3.3	0.3	<0.05	5	<0.5	<0.2
111245	Soil	14	32	0.48	157	0.062	2	1.72	0.005	0.05	0.2	0.02	2.7	<0.1	<0.05	5	0.6	<0.2
111246	Soil	14	32	0.52	199	0.060	2	1.71	0.008	0.06	0.2	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
111247	Soil	12	26	0.50	152	0.063	2	1.41	0.008	0.06	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
111248	Soil	14	35	0.93	232	0.110	1	2.11	0.005	0.25	0.3	0.03	3.1	0.3	<0.05	6	0.5	<0.2
111249	Soil	100	15	0.25	139	0.031	1	1.40	0.005	0.18	<0.1	0.07	5.6	0.5	<0.05	7	<0.5	<0.2
111250	Soil	50	31	0.44	256	0.068	2	1.62	0.009	0.11	<0.1	0.07	5.1	0.2	<0.05	6	0.6	<0.2
111251	Soil	53	20	0.27	175	0.037	2	1.21	0.005	0.11	<0.1	0.09	4.4	0.2	<0.05	4	<0.5	<0.2
111252	Soil	39	25	0.40	296	0.058	2	1.47	0.010	0.10	0.1	0.10	4.7	0.2	<0.05	6	0.8	<0.2
111253	Soil	44	28	0.41	224	0.067	2	1.72	0.007	0.15	0.1	0.13	5.0	0.2	<0.05	7	0.6	<0.2
111254	Soil	23	26	0.34	166	0.047	1	1.61	0.005	0.10	0.2	0.02	2.8	0.2	<0.05	6	<0.5	<0.2
111255	Soil	56	28	0.47	349	0.068	1	1.57	0.009	0.17	0.2	0.06	6.0	0.2	<0.05	6	0.8	<0.2



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Project: WMOOSE
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
111256	Soil	1.3	16.9	9.1	78	<0.1	13.5	10.4	485	3.60	9.0	1.1	0.7	14.5	14	<0.1	0.5	0.1	48	0.25	0.070
111257	Soil	1.9	11.5	10.8	61	<0.1	12.2	5.4	177	2.60	162.3	1.9	0.6	9.5	16	<0.1	2.4	0.2	36	0.14	0.029
111258	Soil	0.7	28.7	14.2	84	<0.1	38.6	16.3	372	4.22	7.3	2.3	1.4	22.4	12	<0.1	0.7	0.2	38	0.25	0.065
111259	Soil	1.2	38.9	16.1	68	<0.1	26.5	11.8	323	3.48	10.9	2.5	4.5	18.8	17	<0.1	2.6	0.3	45	0.16	0.019
111260	Soil	1.0	25.2	10.2	68	<0.1	27.1	16.8	574	3.60	7.8	0.8	<0.5	8.9	13	<0.1	0.7	0.2	58	0.14	0.038
111261	Soil	1.0	15.2	13.1	57	<0.1	17.9	9.1	246	2.74	8.6	0.8	2.1	6.4	12	<0.1	0.6	0.2	60	0.10	0.017
111262	Soil	0.6	67.4	11.0	107	<0.1	50.8	22.5	468	4.86	3.2	4.9	4.9	27.0	11	<0.1	0.8	0.8	41	0.16	0.034
111263	Soil	0.5	57.8	14.7	108	<0.1	50.0	20.5	462	5.02	5.5	5.4	2.6	23.7	17	<0.1	1.5	0.3	44	0.24	0.043
111264	Soil	0.9	41.0	14.7	80	<0.1	39.4	14.8	392	3.35	4.6	3.7	1.7	16.3	16	<0.1	0.7	0.2	40	0.36	0.060
111265	Soil	0.5	47.9	17.6	94	<0.1	38.5	15.2	424	3.84	4.4	3.9	2.0	23.7	21	<0.1	0.7	0.3	40	0.69	0.230
111266	Soil	1.7	70.2	10.0	100	<0.1	47.7	16.7	580	3.31	166.7	6.8	5.1	16.0	21	0.3	13.6	0.4	34	0.30	0.029
111267	Soil	1.1	45.2	14.0	66	0.1	35.8	12.6	434	3.02	16.5	12.9	4.1	9.0	35	0.2	1.7	0.4	49	0.56	0.059
111268	Soil	1.6	54.1	12.0	57	0.1	34.9	13.7	460	2.90	39.0	11.2	5.8	7.6	34	0.2	2.3	0.4	44	0.55	0.048
111269	Soil	1.5	19.9	17.3	73	<0.1	22.0	8.9	276	3.27	13.5	2.4	1.6	15.8	14	<0.1	0.8	0.2	60	0.13	0.018
111270	Soil	1.1	24.3	12.9	63	<0.1	19.7	8.3	263	2.73	10.4	2.7	2.4	13.3	14	<0.1	0.8	0.2	56	0.11	0.012
111271	Soil	1.3	30.7	15.9	72	<0.1	25.8	9.1	364	2.64	12.5	2.2	4.8	15.4	18	<0.1	1.1	0.2	47	0.17	0.017
111272	Soil	1.2	33.3	15.8	62	<0.1	20.5	9.4	286	2.64	10.1	3.2	3.7	16.1	13	<0.1	0.9	0.2	53	0.11	0.012
111273	Soil	1.0	18.9	12.5	47	<0.1	17.3	7.7	234	2.01	6.9	1.7	1.8	9.6	12	<0.1	0.7	0.1	42	0.10	0.011
111274	Soil	0.9	27.7	13.7	50	<0.1	20.3	8.9	242	2.47	11.0	1.8	5.2	10.3	12	<0.1	0.8	0.2	55	0.09	0.011
111275	Soil	1.1	10.7	12.1	38	<0.1	10.8	7.8	125	1.69	7.5	3.0	<0.5	23.1	9	<0.1	1.2	0.9	25	0.06	0.021
111276	Soil	1.3	11.5	21.1	96	<0.1	10.6	11.8	700	3.85	9.9	1.9	<0.5	31.8	7	0.2	0.6	0.5	59	0.21	0.144
111277	Soil	0.7	16.6	30.4	78	<0.1	18.1	11.5	540	3.67	3.8	2.3	<0.5	46.3	17	0.1	0.3	0.7	55	0.38	0.118
111278	Soil	1.3	18.8	17.4	88	<0.1	16.4	11.8	551	3.66	5.7	2.4	3.0	37.3	18	0.1	0.5	0.3	52	0.35	0.114
111279	Soil	1.5	17.0	12.1	93	<0.1	20.4	11.6	571	4.32	3.9	2.1	1.4	35.1	15	0.1	0.6	0.2	66	0.27	0.082
111280	Soil	0.9	39.0	11.9	58	<0.1	30.2	9.8	343	2.55	11.3	0.9	3.3	7.6	20	<0.1	0.9	0.2	53	0.20	0.031
111281	Soil	1.1	31.8	19.9	73	0.2	29.7	13.2	268	3.12	39.7	1.7	1.6	9.8	14	0.1	3.2	0.2	53	0.07	0.019
111282	Soil	0.4	35.8	23.0	89	<0.1	33.7	15.9	420	4.01	8.5	1.6	1.3	26.9	7	<0.1	0.5	0.3	35	0.10	0.031
111283	Soil	0.5	24.1	27.1	107	<0.1	34.0	17.1	397	4.70	5.7	1.0	1.2	17.0	5	<0.1	0.6	0.2	41	0.13	0.054
111284	Soil	0.4	42.0	20.6	110	<0.1	40.6	20.6	405	4.65	5.4	1.5	<0.5	32.6	6	<0.1	1.4	0.3	33	0.16	0.070
111285	Soil	1.6	28.6	18.5	88	<0.1	36.3	17.5	414	4.20	15.3	1.5	0.5	15.0	7	<0.1	0.8	0.3	41	0.07	0.032



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
111256	Soil	42	22	0.56	264	0.115	<1	1.55	0.007	0.55	0.1	0.02	6.8	0.4	<0.05	8	<0.5	<0.2
111257	Soil	30	18	0.29	177	0.028	<1	1.10	0.004	0.10	0.1	0.06	2.7	0.6	<0.05	5	<0.5	<0.2
111258	Soil	65	35	0.93	236	0.128	<1	1.98	0.006	0.68	<0.1	0.03	5.0	0.5	<0.05	7	<0.5	<0.2
111259	Soil	81	31	0.40	227	0.031	1	1.58	0.009	0.11	<0.1	0.10	5.2	0.1	<0.05	5	0.5	<0.2
111260	Soil	26	40	0.78	235	0.049	2	1.95	0.006	0.14	<0.1	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
111261	Soil	19	30	0.40	188	0.065	<1	1.78	0.007	0.06	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
111262	Soil	27	38	1.10	191	0.134	<1	2.69	0.007	0.79	<0.1	0.01	4.9	0.7	<0.05	8	<0.5	<0.2
111263	Soil	59	35	0.89	146	0.121	<1	2.53	0.007	0.74	<0.1	0.06	4.6	0.5	<0.05	8	<0.5	<0.2
111264	Soil	34	36	0.70	209	0.096	<1	1.93	0.007	0.49	<0.1	0.05	3.5	0.3	<0.05	7	<0.5	<0.2
111265	Soil	58	37	0.77	213	0.103	1	2.37	0.007	0.63	0.1	0.05	4.0	0.5	<0.05	8	<0.5	<0.2
111266	Soil	54	40	0.31	235	0.021	2	1.31	0.006	0.13	<0.1	0.31	6.0	0.5	<0.05	4	0.7	<0.2
111267	Soil	29	34	0.57	336	0.068	1	1.63	0.010	0.18	0.2	0.09	4.3	0.2	<0.05	6	0.7	<0.2
111268	Soil	23	32	0.42	286	0.046	2	1.46	0.009	0.09	0.2	0.19	4.1	0.3	<0.05	5	0.7	<0.2
111269	Soil	24	35	0.48	286	0.061	<1	2.55	0.006	0.09	0.1	0.04	3.6	0.2	<0.05	8	0.7	<0.2
111270	Soil	30	32	0.48	267	0.069	<1	1.92	0.006	0.07	0.1	0.05	4.4	0.2	<0.05	6	<0.5	<0.2
111271	Soil	41	28	0.48	320	0.061	1	1.58	0.007	0.08	0.2	0.10	4.9	0.1	<0.05	5	<0.5	<0.2
111272	Soil	35	29	0.43	233	0.068	<1	1.82	0.006	0.06	0.1	0.06	5.5	0.1	<0.05	5	<0.5	<0.2
111273	Soil	23	23	0.30	199	0.054	1	1.23	0.006	0.04	0.1	0.05	2.9	<0.1	<0.05	4	<0.5	<0.2
111274	Soil	37	34	0.39	238	0.063	1	1.81	0.006	0.04	0.2	0.09	5.5	<0.1	<0.05	5	<0.5	<0.2
111275	Soil	15	17	0.12	107	0.008	<1	1.49	0.006	0.05	<0.1	0.03	2.1	0.2	<0.05	4	<0.5	<0.2
111276	Soil	22	39	0.57	117	0.091	1	1.66	0.005	0.53	0.2	0.01	7.2	0.6	<0.05	9	<0.5	<0.2
111277	Soil	80	40	0.91	230	0.156	2	1.90	0.007	0.84	0.2	0.02	7.2	0.9	<0.05	9	<0.5	<0.2
111278	Soil	132	37	0.83	198	0.125	1	1.87	0.006	0.72	0.2	0.01	8.2	0.9	<0.05	8	<0.5	<0.2
111279	Soil	55	46	0.61	243	0.112	2	1.51	0.007	0.55	0.2	0.01	9.4	0.7	<0.05	8	0.6	<0.2
111280	Soil	17	31	0.44	374	0.064	1	1.44	0.008	0.06	0.1	0.07	5.1	<0.1	<0.05	4	<0.5	<0.2
111281	Soil	24	33	0.42	257	0.060	1	1.72	0.007	0.12	0.1	0.09	4.7	0.2	<0.05	5	<0.5	<0.2
111282	Soil	66	33	0.70	182	0.178	<1	1.92	0.004	0.71	<0.1	0.02	4.8	0.6	<0.05	6	<0.5	<0.2
111283	Soil	36	40	0.78	124	0.158	<1	2.17	0.004	0.88	<0.1	<0.01	4.9	0.8	<0.05	7	<0.5	<0.2
111284	Soil	52	32	0.87	157	0.208	<1	2.26	0.005	0.99	<0.1	<0.01	4.1	0.8	<0.05	7	<0.5	<0.2
111285	Soil	20	31	0.57	110	0.104	2	1.89	0.004	0.54	<0.1	0.02	3.9	0.5	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
111286	Soil	0.7	33.2	19.7	83	<0.1	31.6	16.9	328	4.07	6.8	1.4	0.8	15.2	6	<0.1	1.5	0.3	40	0.10	0.038
111287	Soil	0.4	38.2	23.7	102	<0.1	35.0	17.3	507	5.00	11.4	2.1	<0.5	29.7	9	<0.1	1.9	0.5	38	0.17	0.054
111288	Soil	0.8	30.5	14.2	76	<0.1	32.1	13.4	333	3.86	8.5	1.0	0.8	12.9	8	<0.1	0.9	0.3	52	0.08	0.015
111289	Soil	0.7	26.7	8.7	58	<0.1	22.3	11.1	322	2.84	9.1	0.8	18.5	8.7	18	<0.1	0.9	0.1	53	0.29	0.055
111290	Soil	0.7	28.1	9.0	63	<0.1	24.5	12.2	355	3.08	9.7	1.0	1.7	9.4	19	<0.1	0.9	0.1	58	0.33	0.064
111291	Soil	0.5	30.1	7.7	84	<0.1	31.9	21.7	501	4.32	20.7	0.6	<0.5	6.2	21	<0.1	2.0	<0.1	80	0.56	0.164
111292	Soil	0.7	23.8	7.1	94	<0.1	21.5	16.2	651	4.46	15.3	0.7	<0.5	6.1	20	<0.1	1.8	<0.1	71	0.45	0.113
111293	Soil	0.9	20.4	9.6	53	<0.1	22.9	9.2	237	2.62	10.1	0.8	2.3	8.3	16	<0.1	0.6	0.2	51	0.18	0.018
111294	Soil	1.0	33.3	10.4	56	<0.1	34.6	9.2	290	2.89	11.1	1.6	6.8	17.2	21	<0.1	0.9	0.6	57	0.30	0.046
111295	Soil	1.3	16.9	27.5	50	<0.1	22.0	9.6	291	3.05	11.9	0.7	3.5	7.5	16	<0.1	0.6	0.2	64	0.17	0.018
111296	Soil	1.2	24.1	12.1	49	<0.1	23.9	8.9	260	2.58	10.1	0.7	1.7	10.7	15	<0.1	0.7	0.3	51	0.17	0.024
111297	Soil	0.8	16.3	16.0	53	<0.1	14.3	7.2	277	2.20	5.4	1.2	0.9	16.1	13	<0.1	1.2	0.6	32	0.21	0.039
111298	Soil	1.0	16.6	8.9	47	<0.1	18.6	10.6	282	2.24	8.5	1.0	1.0	10.0	14	<0.1	1.1	0.2	39	0.26	0.039
111299	Soil	0.9	18.7	9.9	54	<0.1	22.4	15.8	295	3.14	6.0	0.5	1.2	2.7	57	<0.1	0.4	<0.1	68	0.23	0.022
111300	Soil	1.2	23.3	11.2	64	0.1	47.2	14.9	275	3.39	10.2	0.7	2.7	6.4	10	<0.1	0.6	0.1	69	0.13	0.028
111301	Soil	1.1	20.9	13.1	87	0.1	20.7	10.9	451	3.12	6.2	0.4	5.4	3.4	10	<0.1	0.4	0.1	76	0.18	0.060
111302	Soil	0.2	17.7	7.5	120	<0.1	9.7	29.0	631	5.54	1.9	0.9	<0.5	16.4	20	<0.1	0.2	<0.1	159	0.61	0.097
111303	Soil	1.3	19.6	9.7	112	0.1	18.5	16.2	879	3.71	7.4	0.9	1.8	8.4	14	<0.1	0.3	0.1	70	0.21	0.057
111304	Soil	0.8	53.0	8.6	112	<0.1	14.8	14.7	580	4.76	5.7	1.7	0.7	8.5	13	<0.1	0.2	<0.1	113	0.27	0.100
111305	Soil	0.7	41.2	8.2	77	<0.1	19.0	17.8	505	3.73	6.9	0.9	1.3	7.2	14	<0.1	0.3	<0.1	72	0.24	0.063
111306	Soil	1.0	20.6	8.6	67	<0.1	20.7	15.4	320	3.44	8.4	0.7	3.6	6.5	14	<0.1	0.6	0.1	80	0.15	0.023
111307	Soil	0.6	9.1	8.9	73	<0.1	31.9	17.2	288	2.94	3.0	0.6	1.5	4.0	47	0.1	0.2	<0.1	76	0.34	0.081
111308	Soil	1.0	57.7	7.4	61	0.1	23.1	14.0	215	3.72	4.1	0.5	2.8	2.6	50	<0.1	0.3	0.2	66	0.27	0.058
111309	Soil	1.2	67.6	3.1	63	<0.1	16.8	13.7	218	3.38	2.6	1.5	1.9	5.0	11	0.2	0.1	<0.1	82	0.24	0.063
111310	Soil	0.6	15.8	4.3	44	<0.1	17.3	11.9	207	2.61	5.3	0.6	2.0	1.8	9	<0.1	0.3	<0.1	71	0.23	0.020
111311	Soil	0.4	24.0	2.5	27	<0.1	14.6	10.3	163	1.62	6.4	0.6	3.4	2.3	6	<0.1	0.3	<0.1	39	0.23	0.031
111312	Soil	1.2	30.9	6.6	67	<0.1	25.9	10.8	243	2.62	11.3	1.3	2.3	4.6	20	0.1	0.5	0.1	58	0.33	0.058
111313	Soil	0.6	12.4	4.9	35	<0.1	13.3	8.1	156	1.80	5.0	0.6	8.2	2.5	14	<0.1	0.3	<0.1	45	0.31	0.042
111314	Soil	1.3	21.1	11.3	59	<0.1	24.1	14.9	302	2.77	11.5	1.9	20.7	8.7	20	<0.1	0.9	0.2	52	0.26	0.042
111315	Soil	1.4	22.4	27.4	63	<0.1	25.9	15.4	342	2.90	12.8	1.9	3.2	9.3	22	0.2	1.0	0.2	54	0.28	0.042



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
111286	Soil	14	32	0.72	138	0.175	<1	2.13	0.005	0.72	<0.1	0.01	3.3	0.6	<0.05	6	<0.5
111287	Soil	74	37	0.77	177	0.190	<1	2.04	0.004	0.86	<0.1	<0.01	4.3	0.8	<0.05	6	0.6
111288	Soil	18	42	0.78	182	0.176	<1	2.44	0.005	0.51	0.1	0.01	3.3	0.5	<0.05	6	<0.5
111289	Soil	33	46	0.77	315	0.102	1	1.63	0.008	0.22	0.1	0.03	3.5	0.2	<0.05	5	<0.5
111290	Soil	31	51	0.89	355	0.116	1	1.76	0.009	0.28	0.2	0.02	3.9	0.2	<0.05	5	<0.5
111291	Soil	11	117	2.00	480	0.210	<1	3.09	0.009	1.21	0.2	<0.01	3.2	0.5	<0.05	9	<0.5
111292	Soil	7	63	1.95	473	0.230	<1	2.97	0.006	1.41	0.3	<0.01	2.1	0.6	<0.05	9	<0.5
111293	Soil	23	32	0.56	216	0.085	2	1.54	0.007	0.17	0.1	0.01	3.5	0.1	<0.05	5	<0.5
111294	Soil	48	43	0.61	238	0.090	1	1.58	0.010	0.13	0.2	0.05	6.7	0.1	<0.05	5	<0.5
111295	Soil	14	38	0.51	313	0.075	1	1.86	0.013	0.10	0.1	<0.01	3.9	<0.1	<0.05	5	<0.5
111296	Soil	14	31	0.50	260	0.066	<1	1.70	0.005	0.09	0.2	0.02	2.9	0.1	<0.05	5	<0.5
111297	Soil	28	34	0.56	165	0.100	1	1.23	0.005	0.30	0.6	0.03	2.4	0.4	<0.05	4	<0.5
111298	Soil	9	44	0.62	175	0.093	1	1.38	0.007	0.15	0.3	0.01	2.2	0.2	<0.05	4	<0.5
111299	Soil	6	52	1.07	245	0.111	1	3.33	0.015	0.07	<0.1	0.01	2.7	0.1	<0.05	6	<0.5
111300	Soil	12	141	1.03	398	0.128	1	2.77	0.007	0.22	0.3	0.02	2.6	0.2	<0.05	7	<0.5
111301	Soil	8	59	0.69	184	0.096	<1	2.22	0.015	0.16	0.1	0.02	2.5	0.2	<0.05	8	<0.5
111302	Soil	38	41	2.26	246	0.229	<1	3.13	0.007	0.66	0.3	<0.01	6.5	0.4	<0.05	10	<0.5
111303	Soil	18	45	0.90	313	0.139	1	2.69	0.006	0.24	0.2	0.02	2.4	0.3	<0.05	8	<0.5
111304	Soil	16	50	1.58	205	0.191	<1	3.15	0.007	0.94	0.3	0.01	2.7	0.5	<0.05	10	0.5
111305	Soil	25	43	1.24	300	0.141	1	2.45	0.007	0.69	0.2	0.02	2.4	0.5	<0.05	7	<0.5
111306	Soil	14	238	1.50	426	0.191	<1	2.74	0.007	0.58	0.2	0.02	2.6	0.3	<0.05	7	<0.5
111307	Soil	7	185	1.83	725	0.230	<1	2.80	0.014	0.88	0.1	<0.01	3.4	0.4	<0.05	8	<0.5
111308	Soil	7	63	1.03	472	0.144	<1	2.67	0.026	0.34	0.1	<0.01	3.3	0.2	0.12	7	0.9
111309	Soil	16	53	1.05	368	0.146	<1	1.93	0.020	0.65	<0.1	<0.01	3.4	0.3	0.09	5	1.2
111310	Soil	5	40	0.87	349	0.137	<1	1.77	0.016	0.18	<0.1	<0.01	3.3	<0.1	<0.05	5	<0.5
111311	Soil	6	28	0.33	192	0.066	<1	0.81	0.011	0.06	<0.1	0.01	3.1	<0.1	<0.05	2	0.5
111312	Soil	15	51	0.74	508	0.115	<1	1.62	0.011	0.26	0.2	0.03	3.5	0.2	<0.05	5	<0.5
111313	Soil	8	34	0.57	240	0.068	<1	1.06	0.013	0.07	0.6	<0.01	2.6	<0.1	<0.05	3	<0.5
111314	Soil	22	49	0.60	297	0.075	1	1.79	0.009	0.12	0.2	0.02	3.5	0.1	<0.05	5	<0.5
111315	Soil	22	54	0.62	320	0.078	2	1.83	0.008	0.13	0.2	0.02	3.8	0.1	<0.05	5	0.5



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
111316	Soil	1.2	34.7	9.0	91	<0.1	35.0	15.7	310	3.96	3.5	2.4	1.7	8.6	31	0.2	0.3	<0.1	104	0.79	0.232
111317	Soil	4.7	59.6	18.1	69	0.3	26.2	9.6	462	4.39	39.8	1.6	2.0	7.1	14	0.2	5.1	0.5	58	0.08	0.044
111318	Soil	2.4	82.1	12.0	96	0.1	44.8	14.0	311	3.72	28.5	2.7	4.1	10.7	7	0.3	2.2	0.3	39	0.05	0.027
111319	Soil	2.3	60.4	13.7	29	0.2	17.9	5.3	120	1.71	31.4	3.0	7.1	10.2	20	0.1	5.4	0.3	34	0.04	0.023
111320	Soil	2.5	49.5	13.1	60	0.1	29.1	12.0	180	3.08	115.4	2.5	7.4	8.3	21	0.1	7.8	0.3	60	0.13	0.018
111321	Soil	1.9	28.5	12.3	43	0.1	19.8	8.0	181	2.32	36.7	1.4	3.7	5.8	18	0.1	4.9	0.2	50	0.13	0.015
111322	Soil	1.5	29.0	12.1	50	0.1	22.7	8.3	199	2.82	24.5	1.1	5.2	6.1	15	0.1	2.4	0.2	61	0.12	0.014
111323	Soil	1.8	41.2	11.9	53	0.2	26.1	10.2	252	3.01	35.2	1.5	6.0	7.1	16	0.2	2.7	0.3	57	0.14	0.028
111324	Soil	0.6	24.0	7.1	44	<0.1	273.1	19.6	253	2.55	6.2	0.6	1.5	1.6	14	0.2	0.3	0.1	45	0.15	0.040
111325	Soil	0.7	19.5	8.7	58	<0.1	41.0	8.4	253	2.37	6.5	0.7	4.1	1.0	17	0.1	0.4	0.2	50	0.20	0.059
111326	Soil	0.9	20.2	8.5	55	0.2	43.3	7.4	212	2.32	6.2	0.8	2.7	0.6	17	0.1	0.4	0.2	50	0.19	0.048
111327	Soil	0.9	18.3	8.6	65	<0.1	70.8	12.1	349	2.73	6.7	0.6	3.3	3.3	17	0.2	0.4	0.1	54	0.23	0.041
111328	Soil	0.9	19.9	8.9	64	<0.1	49.8	13.3	498	2.64	6.3	1.0	3.1	3.6	19	<0.1	0.4	0.1	55	0.26	0.054
111329	Soil	0.9	23.5	12.7	67	<0.1	43.7	12.3	394	3.23	10.6	0.7	1.3	6.4	16	0.1	0.7	0.2	61	0.22	0.038
111330	Soil	1.1	12.2	10.3	54	<0.1	22.1	7.7	246	2.63	7.5	0.6	3.8	3.8	13	<0.1	0.5	0.2	57	0.18	0.025
111331	Soil	1.0	17.2	11.1	74	<0.1	19.7	10.9	424	2.86	6.3	0.8	7.3	4.2	12	<0.1	0.5	0.1	50	0.16	0.032
111332	Soil	0.9	15.3	9.9	81	<0.1	18.8	10.8	400	3.11	2.5	0.8	1.6	5.9	13	<0.1	1.4	0.1	51	0.34	0.065
111333	Soil	1.0	21.4	10.2	57	<0.1	61.2	12.5	286	3.12	9.1	0.6	2.1	4.1	15	<0.1	0.5	0.2	60	0.22	0.027
111334	Soil	0.7	24.9	18.3	137	<0.1	42.2	12.5	669	4.78	2.2	0.7	1.8	4.0	10	0.2	0.3	0.2	75	0.32	0.130
111335	Soil	0.1	10.4	4.1	36	<0.1	491.2	32.0	213	2.55	1.9	0.4	1.9	1.9	14	<0.1	0.2	<0.1	36	0.45	0.039
111336	Soil	0.9	27.7	10.2	71	<0.1	33.1	12.7	458	2.92	8.8	0.9	4.0	6.1	16	0.2	0.6	0.2	55	0.24	0.050
111337	Soil	1.0	20.6	9.9	63	<0.1	26.3	11.3	290	2.82	10.2	0.9	7.2	5.6	16	<0.1	0.5	0.2	54	0.24	0.064
111338	Soil	0.9	12.5	10.3	44	<0.1	15.3	5.0	153	2.13	6.4	0.7	3.8	3.5	14	<0.1	0.5	0.2	56	0.15	0.029
111339	Soil	0.6	24.5	11.1	103	<0.1	27.8	11.3	426	3.08	2.6	1.0	<0.5	4.8	13	<0.1	1.2	0.1	52	0.37	0.114
111340	Soil	0.5	24.1	10.0	98	<0.1	26.7	11.0	443	2.96	2.1	1.2	<0.5	5.8	16	<0.1	1.4	0.1	50	0.42	0.117
111341	Soil	1.1	13.8	10.1	65	<0.1	17.1	8.7	270	3.12	7.4	0.6	1.3	3.4	12	0.1	1.3	0.2	55	0.20	0.056
111342	Soil	0.9	16.8	9.0	68	<0.1	23.0	9.2	381	2.71	6.6	0.7	2.7	3.8	11	0.1	0.7	0.2	54	0.17	0.053
111343	Soil	0.4	16.4	9.7	83	<0.1	28.0	10.3	400	2.97	2.1	0.6	1.4	4.3	13	0.1	1.6	0.1	52	0.64	0.104
111344	Soil	0.9	21.9	7.8	75	<0.1	19.8	8.1	332	2.75	6.9	1.0	2.1	5.3	22	<0.1	0.7	0.2	47	0.35	0.066
111345	Soil	0.8	8.4	9.7	57	<0.1	13.0	5.3	190	2.40	6.0	0.6	3.3	3.8	12	0.1	0.5	0.2	52	0.19	0.036



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
111316	Soil	25	97	1.42	606	0.185	<1	2.81	0.020	0.86	0.2	0.01	5.2	0.4	<0.05	8	1.4	<0.2
111317	Soil	19	29	0.30	235	0.049	1	1.24	0.004	0.20	0.1	0.04	3.2	0.5	0.12	5	0.7	<0.2
111318	Soil	25	26	0.18	122	0.022	1	1.07	0.002	0.05	<0.1	0.04	5.2	0.2	<0.05	3	0.7	<0.2
111319	Soil	27	23	0.19	120	0.024	2	0.86	0.003	0.04	0.1	0.13	6.5	0.1	<0.05	2	0.7	<0.2
111320	Soil	25	40	0.43	365	0.062	1	1.76	0.008	0.06	0.2	0.22	5.8	0.1	<0.05	5	1.2	<0.2
111321	Soil	18	32	0.41	263	0.057	2	1.37	0.008	0.05	0.1	0.22	3.7	0.1	<0.05	4	<0.5	<0.2
111322	Soil	15	38	0.50	274	0.064	2	1.98	0.006	0.06	0.1	0.10	3.9	<0.1	<0.05	5	0.6	<0.2
111323	Soil	19	34	0.40	321	0.052	1	1.68	0.007	0.07	0.2	0.08	3.9	0.1	<0.05	5	<0.5	<0.2
111324	Soil	12	236	1.41	395	0.063	2	1.47	0.007	0.07	0.1	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
111325	Soil	12	58	0.58	202	0.057	2	1.50	0.007	0.07	0.2	0.03	2.2	0.1	<0.05	5	0.7	<0.2
111326	Soil	12	60	0.57	252	0.058	2	1.55	0.008	0.06	0.3	0.05	2.2	0.1	<0.05	6	<0.5	<0.2
111327	Soil	12	74	0.88	284	0.101	1	1.56	0.008	0.08	0.6	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
111328	Soil	15	72	0.80	364	0.086	1	1.61	0.008	0.07	0.4	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
111329	Soil	12	52	0.68	207	0.095	1	1.93	0.008	0.12	0.3	0.02	3.2	0.1	<0.05	6	0.6	<0.2
111330	Soil	12	60	0.66	193	0.109	1	1.68	0.006	0.11	0.2	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
111331	Soil	10	40	0.79	223	0.119	1	1.94	0.006	0.28	0.2	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
111332	Soil	18	94	1.25	470	0.132	1	2.25	0.006	0.53	0.1	0.03	4.7	0.3	<0.05	6	<0.5	<0.2
111333	Soil	11	110	0.89	286	0.099	2	2.14	0.007	0.08	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
111334	Soil	8	97	1.73	1081	0.262	<1	3.04	0.010	0.89	0.3	0.03	10.8	0.4	<0.05	12	<0.5	<0.2
111335	Soil	6	708	3.31	222	0.072	2	1.45	0.006	0.02	<0.1	0.03	3.3	0.2	<0.05	4	<0.5	<0.2
111336	Soil	15	49	0.81	391	0.095	1	2.04	0.008	0.13	0.2	0.03	4.0	0.2	<0.05	5	<0.5	<0.2
111337	Soil	18	38	0.66	283	0.084	3	1.82	0.008	0.11	0.2	0.06	2.9	0.2	<0.05	5	0.5	<0.2
111338	Soil	14	33	0.45	305	0.091	1	1.40	0.006	0.08	0.1	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
111339	Soil	11	59	1.43	505	0.152	1	2.59	0.005	0.55	0.1	0.02	3.7	0.3	<0.05	6	<0.5	<0.2
111340	Soil	22	56	1.41	552	0.140	1	2.49	0.006	0.55	<0.1	<0.01	3.7	0.3	<0.05	6	<0.5	<0.2
111341	Soil	9	36	0.57	244	0.057	1	1.70	0.008	0.08	0.2	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
111342	Soil	11	49	0.83	368	0.099	1	1.76	0.006	0.29	0.1	0.07	3.6	0.2	<0.05	6	<0.5	<0.2
111343	Soil	23	67	1.36	968	0.103	<1	2.21	0.005	0.48	0.1	0.04	5.8	0.2	<0.05	6	<0.5	<0.2
111344	Soil	17	37	0.74	819	0.092	1	1.57	0.010	0.18	0.2	0.09	5.3	0.1	<0.05	5	<0.5	<0.2
111345	Soil	14	32	0.55	487	0.077	<1	1.51	0.004	0.08	0.1	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
111346	Soil	0.8	19.4	8.6	69	<0.1	20.8	9.1	338	2.88	7.0	1.0	2.9	6.8	17	<0.1	0.8	0.2	52	0.30	0.055
111347	Soil	0.8	25.1	9.1	105	0.1	16.2	12.3	777	3.98	2.6	1.2	4.3	7.6	16	<0.1	1.5	0.2	71	0.66	0.142
111348	Soil	1.2	21.0	9.6	63	0.1	25.4	10.2	410	2.87	7.8	1.3	3.5	5.0	19	<0.1	0.9	0.2	57	0.34	0.069
111349	Soil	0.9	14.1	9.3	56	<0.1	20.9	7.8	326	2.57	7.7	0.8	2.9	3.6	18	<0.1	0.7	0.1	53	0.30	0.050
112237	Soil	0.8	22.4	10.0	64	<0.1	17.4	9.3	320	2.89	9.5	1.9	2.0	8.2	16	<0.1	1.1	0.2	49	0.14	0.027
112238	Soil	0.8	10.5	8.4	52	<0.1	13.8	6.0	239	2.50	6.5	0.9	2.7	3.0	18	0.2	0.5	0.2	51	0.26	0.058
112239	Soil	0.6	10.8	5.9	63	<0.1	17.3	7.8	371	2.72	4.5	1.3	0.8	12.7	17	<0.1	0.5	0.1	45	0.27	0.043
112240	Soil	0.7	14.5	8.6	62	<0.1	17.6	8.1	378	2.79	6.5	1.5	1.9	14.1	16	<0.1	0.6	0.2	50	0.24	0.042
112241	Soil	0.9	20.0	10.7	69	<0.1	20.7	9.8	371	3.07	8.2	1.4	4.4	13.4	17	<0.1	0.7	0.2	56	0.21	0.027
112242	Soil	0.9	9.7	11.3	34	<0.1	7.5	3.0	163	1.61	3.0	0.7	0.6	1.1	14	0.3	0.2	0.2	35	0.16	0.072
112243	Soil	1.3	12.5	10.6	56	<0.1	17.3	11.4	424	3.36	10.6	0.7	1.0	5.4	13	0.1	0.6	0.2	71	0.14	0.046
112244	Soil	0.9	18.5	12.2	21	0.3	10.9	3.8	176	1.65	3.3	1.3	1.8	0.4	23	0.2	0.2	0.2	29	0.20	0.144
112245	Soil	1.2	17.2	10.5	60	<0.1	21.1	8.7	312	3.06	11.6	0.8	1.7	8.3	11	0.1	0.7	0.2	58	0.11	0.031
112246	Soil	1.2	14.9	10.9	62	<0.1	18.7	9.2	335	3.17	10.7	1.0	2.2	7.7	12	0.1	0.6	0.2	67	0.11	0.034
112247	Soil	1.3	11.3	11.1	50	<0.1	15.2	6.5	335	2.46	7.7	0.5	0.6	1.0	14	0.2	0.5	0.2	59	0.13	0.058
112248	Soil	1.0	9.8	10.3	44	<0.1	12.5	4.7	173	2.66	8.8	0.6	1.1	1.4	10	<0.1	0.4	0.2	58	0.09	0.042
112249	Soil	1.1	13.1	10.1	42	<0.1	14.9	5.4	182	2.39	8.1	1.1	2.7	2.8	13	<0.1	0.6	0.2	55	0.12	0.032
112250	Soil	1.0	13.1	11.4	42	<0.1	13.0	4.9	163	2.63	8.1	1.2	3.5	1.2	13	<0.1	0.5	0.2	54	0.11	0.062
112251	Soil	0.8	10.9	9.7	42	<0.1	12.5	5.5	206	2.35	8.1	1.5	2.6	7.8	10	<0.1	0.5	0.2	45	0.10	0.028
112252	Soil	1.2	8.4	9.2	48	<0.1	10.4	4.5	210	2.89	9.1	1.2	1.4	5.8	9	0.2	0.5	0.2	60	0.09	0.048
112253	Soil	1.0	11.2	8.5	46	<0.1	13.3	5.7	211	2.60	8.7	1.5	0.7	9.3	11	<0.1	0.5	0.2	47	0.10	0.017
112254	Soil	2.3	12.4	13.4	79	<0.1	14.5	14.7	865	3.82	4.7	4.8	0.9	19.2	6	<0.1	0.3	0.5	37	0.09	0.057
112255	Soil	1.6	11.8	12.8	52	<0.1	14.8	7.6	315	3.04	11.2	1.0	2.2	5.8	8	0.1	0.6	0.3	59	0.08	0.044
112256	Soil	2.1	12.0	12.9	73	<0.1	12.8	6.9	517	3.20	12.4	1.2	1.5	2.9	9	0.1	0.5	0.5	60	0.07	0.071
112257	Soil	0.7	18.0	9.6	73	<0.1	14.4	6.5	374	3.16	7.9	1.9	1.0	13.8	10	0.1	0.5	0.2	38	0.08	0.015
112258	Soil	2.1	15.0	11.9	61	<0.1	16.4	7.3	321	3.44	6.1	2.6	2.0	13.8	7	<0.1	0.4	0.4	34	0.06	0.024
112259	Soil	1.7	20.7	18.3	73	0.1	21.3	8.4	308	2.82	10.9	0.9	2.0	9.3	8	0.1	0.6	0.5	47	0.07	0.021
112260	Soil	1.3	23.0	13.2	81	<0.1	15.4	6.9	360	2.77	4.5	1.9	<0.5	15.9	8	<0.1	0.4	0.4	31	0.07	0.016
112261	Soil	1.2	15.5	13.0	83	<0.1	15.0	10.4	445	3.87	6.8	2.7	1.7	11.0	10	<0.1	0.4	0.3	69	0.11	0.031
112262	Soil	1.5	28.3	13.7	59	<0.1	25.1	10.3	270	3.22	11.6	1.7	4.3	11.4	12	0.1	0.8	0.3	66	0.09	0.031



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
111346	Soil	25	39	0.74	683	0.095	1	1.67	0.007	0.19	0.1	0.05	6.5	0.1	<0.05	5	<0.5
111347	Soil	26	54	1.32	767	0.121	<1	2.16	0.007	0.59	0.1	0.09	8.4	0.3	<0.05	7	<0.5
111348	Soil	19	45	0.59	664	0.071	<1	1.61	0.010	0.05	0.3	0.15	5.9	<0.1	<0.05	5	<0.5
111349	Soil	13	40	0.51	579	0.057	<1	1.43	0.008	0.05	0.2	0.09	3.9	<0.1	<0.05	5	<0.5
112237	Soil	35	28	0.64	332	0.064	2	1.77	0.007	0.12	0.1	0.67	4.3	0.1	<0.05	6	<0.5
112238	Soil	19	33	0.71	314	0.056	<1	1.57	0.011	0.16	0.1	0.04	2.8	<0.1	<0.05	7	<0.5
112239	Soil	47	30	1.11	464	0.103	<1	1.81	0.010	0.43	0.1	0.01	4.3	0.2	<0.05	7	<0.5
112240	Soil	45	32	1.00	402	0.092	<1	1.93	0.009	0.34	0.2	0.04	4.5	0.2	<0.05	7	<0.5
112241	Soil	48	31	0.96	311	0.095	<1	2.32	0.007	0.26	0.1	0.03	5.0	0.2	<0.05	8	0.7
112242	Soil	8	15	0.42	185	0.064	<1	1.01	0.009	0.15	<0.1	0.07	1.4	<0.1	0.05	6	0.5
112243	Soil	13	33	0.66	259	0.087	<1	2.00	0.007	0.08	0.1	0.03	3.2	0.1	<0.05	7	<0.5
112244	Soil	27	17	0.22	307	0.013	<1	1.19	0.009	0.12	<0.1	0.07	0.5	<0.1	0.05	4	0.8
112245	Soil	18	32	0.65	177	0.086	1	1.85	0.007	0.10	0.2	0.04	3.2	0.1	<0.05	6	<0.5
112246	Soil	23	36	0.70	222	0.094	<1	2.28	0.007	0.10	0.2	0.02	3.7	0.1	<0.05	7	<0.5
112247	Soil	13	27	0.49	149	0.064	1	1.38	0.007	0.12	<0.1	0.02	1.7	0.1	<0.05	7	<0.5
112248	Soil	14	25	0.49	111	0.069	<1	1.38	0.006	0.09	0.1	0.02	1.9	0.1	<0.05	7	<0.5
112249	Soil	22	26	0.45	182	0.068	<1	1.55	0.007	0.08	0.1	0.03	2.3	0.1	<0.05	7	<0.5
112250	Soil	23	24	0.41	176	0.048	<1	1.46	0.007	0.06	0.1	0.02	1.9	<0.1	<0.05	7	<0.5
112251	Soil	28	22	0.48	155	0.076	<1	1.50	0.005	0.09	0.2	0.02	2.5	0.1	<0.05	7	<0.5
112252	Soil	24	25	0.58	134	0.086	<1	1.68	0.005	0.08	0.2	0.02	2.0	0.1	<0.05	8	<0.5
112253	Soil	27	25	0.58	185	0.077	<1	1.72	0.005	0.09	0.1	0.01	2.7	0.1	<0.05	7	<0.5
112254	Soil	37	37	1.82	276	0.139	<1	3.09	0.006	0.77	<0.1	<0.01	4.0	0.4	<0.05	11	<0.5
112255	Soil	14	28	0.53	144	0.067	<1	1.67	0.005	0.08	0.1	0.02	2.2	0.1	<0.05	6	<0.5
112256	Soil	21	25	0.53	107	0.052	1	1.41	0.005	0.08	0.1	0.02	1.5	0.1	<0.05	6	<0.5
112257	Soil	41	23	1.24	290	0.131	<1	2.36	0.007	0.45	<0.1	0.02	3.3	0.3	<0.05	8	<0.5
112258	Soil	25	30	0.86	196	0.096	1	2.04	0.005	0.25	<0.1	0.02	2.7	0.2	<0.05	7	<0.5
112259	Soil	18	28	0.76	206	0.065	<1	2.09	0.006	0.11	0.1	0.03	2.5	0.2	<0.05	5	<0.5
112260	Soil	41	22	1.40	255	0.149	1	2.21	0.006	0.32	0.1	0.02	2.4	0.3	<0.05	7	<0.5
112261	Soil	26	26	1.30	553	0.183	<1	2.70	0.006	0.69	0.1	0.02	4.5	0.4	<0.05	9	<0.5
112262	Soil	21	42	0.64	394	0.071	1	3.04	0.011	0.09	0.1	0.03	4.7	0.2	<0.05	6	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
112263	Soil	1.3	20.5	12.2	52	<0.1	20.3	8.9	278	2.85	12.7	1.3	2.7	7.2	8	<0.1	0.7	0.2	52	0.07	0.014
112264	Soil	1.5	26.1	12.4	56	<0.1	22.3	9.8	368	2.98	12.4	2.0	3.9	8.9	11	<0.1	0.6	0.2	56	0.10	0.022
112265	Soil	1.4	21.5	12.2	51	<0.1	19.4	8.2	284	2.87	12.5	1.8	4.0	8.3	10	<0.1	0.6	0.2	53	0.09	0.020
112266	Soil	1.6	13.7	11.6	52	<0.1	18.6	7.6	226	3.78	16.3	0.6	1.0	8.8	7	0.1	0.7	0.2	57	0.07	0.034
112267	Soil	1.0	17.5	10.8	49	<0.1	21.2	10.4	237	2.59	12.0	0.6	3.3	18.2	8	<0.1	0.7	0.2	39	0.07	0.015
112268	Soil	0.8	21.5	9.9	47	<0.1	16.3	9.0	287	2.40	10.3	1.3	2.2	18.0	11	<0.1	0.7	0.2	38	0.10	0.011
112269	Soil	0.8	24.4	11.1	55	<0.1	20.2	8.1	294	2.75	12.4	1.5	5.1	11.9	10	<0.1	0.6	0.2	45	0.09	0.012
112270	Soil	1.1	11.8	10.6	43	<0.1	15.0	6.2	207	2.45	11.1	0.9	2.2	8.6	10	<0.1	0.4	0.2	46	0.10	0.027
112271	Soil	0.8	11.4	8.7	46	<0.1	13.4	6.4	233	2.52	9.8	1.5	2.3	16.9	16	<0.1	0.7	0.2	32	0.18	0.018
112272	Soil	0.8	16.4	9.7	49	<0.1	16.3	7.1	229	2.46	10.4	1.5	2.1	12.1	12	<0.1	0.6	0.2	41	0.11	0.012
112273	Soil	1.0	17.1	11.7	53	<0.1	17.8	8.6	286	2.74	11.8	1.3	2.9	13.4	12	<0.1	0.6	0.2	43	0.12	0.020
112274	Soil	1.1	33.6	15.0	81	<0.1	44.2	15.7	221	3.99	16.2	1.5	1.0	11.1	8	<0.1	0.7	0.3	51	0.08	0.032
112275	Soil	1.2	40.6	12.2	61	0.2	26.8	7.5	136	3.05	14.3	1.6	2.3	13.2	8	<0.1	0.5	0.2	29	0.09	0.030
112276	Soil	0.9	9.7	16.9	85	<0.1	12.4	9.1	342	4.02	10.1	1.2	0.7	21.6	8	<0.1	0.4	<0.1	38	0.18	0.067
112277	Soil	1.0	30.8	12.6	56	<0.1	33.7	12.9	331	3.73	9.9	1.7	1.6	17.3	15	<0.1	0.3	0.2	39	0.26	0.058
112278	Soil	1.4	42.7	15.3	67	<0.1	34.3	9.9	307	3.54	16.3	1.0	1.3	8.5	9	<0.1	0.8	0.3	52	0.13	0.038
112279	Soil	0.9	89.7	10.9	57	<0.1	37.1	14.4	185	3.12	7.4	3.2	2.2	17.4	12	<0.1	0.1	0.3	47	0.23	0.046
112280	Soil	1.4	61.5	9.0	74	<0.1	43.5	16.8	256	3.34	11.9	4.6	11.9	12.2	13	<0.1	0.5	0.2	41	0.19	0.041
112281	Soil	0.6	21.9	9.7	52	<0.1	20.2	8.3	198	2.49	10.4	1.2	2.9	10.2	13	<0.1	0.3	0.1	43	0.19	0.042
112282	Soil	0.7	26.2	11.9	112	0.1	167.1	37.0	747	5.28	66.0	1.9	4.0	12.7	36	<0.1	0.8	<0.1	77	0.49	0.025
112283	Soil	1.0	57.7	11.5	80	0.3	57.3	11.1	1068	1.84	11.6	0.8	3.8	4.7	11	0.2	0.3	0.2	68	0.49	0.053
112284	Soil	1.6	33.9	11.8	41	0.5	21.0	6.6	205	2.62	17.1	0.8	3.0	3.9	12	<0.1	0.5	0.2	58	0.14	0.028
112285	Soil	1.4	43.9	17.3	50	0.1	12.2	5.4	329	3.17	8.6	2.2	3.0	13.6	35	<0.1	0.3	0.3	42	0.11	0.036
112286	Soil	1.2	39.0	14.3	104	<0.1	35.2	8.8	239	3.16	16.9	2.2	2.6	13.6	14	<0.1	0.2	0.2	35	0.32	0.055
112287	Soil	2.0	37.2	8.4	79	1.3	49.7	8.5	935	1.67	14.9	1.1	1.7	4.6	18	0.2	0.6	<0.1	42	1.62	0.069
112288	Soil	0.7	35.7	9.9	66	0.2	37.7	10.4	545	2.34	16.9	0.8	5.5	5.3	19	<0.1	0.6	0.1	53	0.45	0.057
112289	Soil	1.4	29.9	9.5	81	0.2	33.6	8.5	389	2.31	19.9	0.8	3.0	7.2	32	0.2	0.3	0.1	42	1.82	0.057
112290	Soil	1.1	19.4	13.4	71	<0.1	27.3	10.4	212	2.88	8.5	0.6	1.1	9.6	8	<0.1	0.3	0.1	48	0.13	0.019
112291	Soil	1.1	21.1	13.0	74	<0.1	29.3	10.5	244	3.04	8.2	0.7	0.7	9.7	10	<0.1	0.2	<0.1	49	0.18	0.024
112292	Soil	0.7	15.3	9.7	61	0.3	18.1	9.0	280	2.31	12.0	0.4	1.1	3.8	9	<0.1	0.5	0.1	59	0.11	0.013



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112263	Soil	16	33	0.49	268	0.063	1	1.79	0.007	0.04	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
112264	Soil	35	35	0.51	384	0.063	1	1.97	0.008	0.05	0.2	0.06	5.1	0.1	<0.05	6	<0.5	<0.2
112265	Soil	29	33	0.48	316	0.058	1	1.85	0.006	0.05	0.2	0.04	4.2	0.1	<0.05	6	<0.5	<0.2
112266	Soil	13	39	0.44	191	0.051	1	2.18	0.006	0.05	0.2	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
112267	Soil	26	33	0.50	165	0.048	<1	1.75	0.005	0.05	0.1	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
112268	Soil	68	25	0.57	248	0.073	<1	1.38	0.006	0.10	0.2	0.05	4.8	0.2	<0.05	5	<0.5	<0.2
112269	Soil	43	31	0.50	179	0.057	<1	1.60	0.006	0.05	0.1	0.17	5.2	0.1	<0.05	4	<0.5	<0.2
112270	Soil	18	28	0.48	285	0.058	<1	1.59	0.006	0.07	0.1	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
112271	Soil	48	23	0.71	629	0.071	1	1.67	0.007	0.21	0.1	0.05	3.4	0.2	<0.05	6	<0.5	<0.2
112272	Soil	36	26	0.55	341	0.072	<1	1.56	0.007	0.08	0.1	0.06	3.6	0.1	<0.05	5	<0.5	<0.2
112273	Soil	26	30	0.54	314	0.070	<1	1.76	0.006	0.10	0.2	0.10	3.5	0.2	<0.05	5	<0.5	<0.2
112274	Soil	23	35	0.61	204	0.087	<1	2.51	0.005	0.32	<0.1	0.02	2.9	0.3	<0.05	7	<0.5	<0.2
112275	Soil	19	20	0.34	180	0.014	1	1.98	0.007	0.10	<0.1	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
112276	Soil	77	18	0.67	151	0.082	<1	2.49	0.006	0.62	<0.1	0.01	4.7	0.6	<0.05	10	<0.5	<0.2
112277	Soil	211	40	0.79	247	0.112	<1	2.27	0.006	0.48	<0.1	0.02	2.2	0.4	<0.05	5	<0.5	<0.2
112278	Soil	16	36	0.61	168	0.050	<1	2.12	0.004	0.28	0.1	0.01	2.8	0.3	<0.05	6	<0.5	<0.2
112279	Soil	82	37	0.83	242	0.118	<1	1.88	0.005	0.73	<0.1	0.01	3.7	0.5	<0.05	7	<0.5	<0.2
112280	Soil	43	28	0.56	207	0.060	1	1.62	0.006	0.21	0.1	0.03	5.1	0.3	<0.05	5	<0.5	<0.2
112281	Soil	30	29	0.52	163	0.057	<1	1.62	0.007	0.14	0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
112282	Soil	66	259	2.56	778	0.145	<1	4.10	0.011	0.59	<0.1	0.04	11.6	0.5	<0.05	12	<0.5	<0.2
112283	Soil	22	42	2.17	332	0.069	1	1.80	0.005	0.06	<0.1	0.04	6.7	0.3	<0.05	6	<0.5	<0.2
112284	Soil	14	27	0.37	265	0.036	1	1.71	0.007	0.06	0.1	0.06	2.5	0.1	<0.05	6	<0.5	<0.2
112285	Soil	77	35	0.49	378	0.057	<1	1.66	0.031	0.34	<0.1	0.02	3.6	1.7	0.37	6	0.9	<0.2
112286	Soil	25	32	0.59	198	0.023	<1	1.67	0.004	0.16	<0.1	0.01	3.1	0.3	<0.05	5	0.7	<0.2
112287	Soil	31	45	1.41	128	0.025	1	1.32	0.002	0.03	0.3	0.07	6.6	0.2	<0.05	3	0.6	<0.2
112288	Soil	19	38	0.76	275	0.052	2	1.39	0.012	0.07	0.1	0.03	3.3	0.1	<0.05	4	<0.5	<0.2
112289	Soil	20	26	0.89	185	0.035	1	1.35	0.010	0.11	0.1	0.04	2.8	0.2	0.07	4	<0.5	<0.2
112290	Soil	8	35	0.64	204	0.052	<1	1.90	0.004	0.31	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2
112291	Soil	13	44	0.80	227	0.074	<1	2.04	0.004	0.39	<0.1	<0.01	2.1	0.4	0.05	5	<0.5	<0.2
112292	Soil	12	44	0.52	303	0.059	<1	1.66	0.006	0.06	<0.1	<0.01	3.3	0.2	0.08	5	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
112293	Soil	0.3	63.5	3.7	35	<0.1	32.3	14.3	299	2.49	7.3	0.2	<0.5	2.1	9	<0.1	0.2	<0.1	69	0.22	0.007
112294	Soil	0.7	69.2	10.5	74	<0.1	20.0	15.4	492	4.16	11.7	0.4	0.5	4.8	7	<0.1	0.4	0.2	91	0.14	0.015
112295	Soil	1.4	27.5	12.8	71	0.6	27.1	8.6	202	2.67	23.6	0.9	3.5	6.8	8	0.1	1.2	0.2	44	0.07	0.021
112296	Soil	0.8	16.2	13.6	51	<0.1	25.6	9.8	260	2.92	30.2	0.6	0.6	6.9	10	<0.1	0.3	0.2	43	0.13	0.024
112298	Soil	0.8	21.3	12.9	90	<0.1	32.6	15.8	227	4.39	10.7	0.7	<0.5	7.8	7	<0.1	0.3	0.3	68	0.09	0.035
112299	Soil	0.4	38.0	19.3	74	<0.1	35.5	17.2	344	4.26	5.4	3.2	2.7	29.0	10	<0.1	0.9	0.4	33	0.13	0.031
112300	Soil	1.2	14.5	11.5	62	0.1	23.6	10.8	343	3.49	9.7	0.9	0.6	6.8	9	<0.1	0.7	0.2	47	0.10	0.061
112301	Soil	1.1	26.9	16.6	88	0.2	30.2	12.0	242	3.75	9.4	1.2	1.4	12.6	9	<0.1	0.8	0.4	38	0.11	0.041
112302	Soil	3.1	82.9	12.9	176	<0.1	73.8	9.8	203	4.15	10.9	4.5	2.5	12.5	6	0.1	1.8	0.4	64	0.08	0.035
112303	Soil	1.5	19.5	13.9	52	0.1	17.2	5.7	166	2.87	85.1	0.8	2.3	5.3	13	<0.1	1.7	0.3	50	0.07	0.040
112304	Soil	0.8	41.7	12.9	86	<0.1	37.3	16.2	292	3.71	13.5	1.6	1.9	18.1	8	<0.1	0.5	0.4	33	0.11	0.044
112305	Soil	1.2	25.4	15.2	60	<0.1	24.1	8.8	240	2.83	28.5	1.8	7.4	8.6	13	<0.1	2.1	0.3	46	0.11	0.022
112306	Soil	1.1	37.1	13.4	66	<0.1	26.9	12.5	292	3.13	27.6	1.3	4.0	9.4	18	<0.1	1.1	0.3	49	0.16	0.020
112307	Soil	0.6	42.2	14.3	86	<0.1	37.9	15.5	324	3.63	30.4	1.4	2.6	16.6	15	<0.1	0.9	0.4	40	0.18	0.028
112308	Soil	0.6	50.4	12.8	102	<0.1	49.2	16.5	371	4.20	18.5	2.5	3.8	19.0	18	<0.1	2.2	0.4	40	0.19	0.037
112309	Soil	0.7	9.7	7.6	51	<0.1	13.3	7.4	237	3.00	7.8	1.9	0.9	12.1	10	<0.1	0.9	0.3	42	0.13	0.036
112310	Soil	1.3	20.5	12.6	71	<0.1	18.2	11.3	510	3.29	5.7	0.9	6.9	5.8	12	0.1	1.2	0.4	70	0.11	0.024
112311	Soil	0.8	6.6	9.5	40	<0.1	9.3	4.7	250	2.58	5.2	0.7	1.7	4.3	8	<0.1	0.3	0.3	50	0.07	0.044
112312	Soil	1.4	14.5	11.1	33	<0.1	7.9	2.7	143	2.08	5.2	0.8	3.7	1.2	9	0.1	0.4	0.3	50	0.06	0.057
112313	Soil	1.3	24.7	11.0	60	<0.1	18.5	9.6	346	3.01	7.9	1.5	1.2	10.1	14	<0.1	0.8	0.2	51	0.15	0.037
112314	Soil	1.8	76.3	7.1	44	<0.1	14.6	8.3	346	3.93	8.0	2.1	0.7	15.8	9	0.1	2.1	1.2	37	0.06	0.032
112315	Soil	1.6	66.4	10.8	46	<0.1	14.9	7.9	336	3.91	8.3	1.8	1.8	13.0	9	0.1	1.7	1.0	42	0.07	0.034
112316	Soil	1.5	35.5	9.2	55	<0.1	16.8	9.4	351	3.41	8.0	1.4	1.2	9.1	12	0.1	0.9	0.4	55	0.11	0.030
112317	Soil	1.5	47.0	12.8	56	<0.1	14.7	7.0	293	3.16	6.9	1.4	0.7	7.6	12	<0.1	0.7	0.3	50	0.10	0.033
112318	Soil	1.7	47.3	11.0	63	0.1	18.6	8.5	307	3.35	8.3	1.6	2.2	8.2	13	0.1	0.8	0.3	56	0.13	0.049
112319	Soil	1.5	42.2	13.2	76	0.2	17.4	7.4	216	2.83	7.3	1.3	3.4	4.4	14	<0.1	0.6	0.3	52	0.14	0.042
112320	Soil	7.1	142.5	3.8	305	0.1	22.7	7.7	396	5.40	3.7	0.8	1.4	3.5	20	0.2	0.1	1.1	105	0.26	0.042
112321	Soil	2.3	213.7	8.6	459	0.2	34.1	27.1	1249	6.55	1.9	1.2	3.3	2.8	17	1.1	0.1	1.2	147	0.21	0.045
112322	Soil	1.8	145.7	4.6	474	0.2	39.3	18.0	568	6.21	1.8	0.7	3.3	3.0	23	0.3	0.3	0.8	148	0.29	0.038
112323	Soil	1.2	145.8	8.6	260	0.2	30.5	10.7	433	5.63	2.3	0.7	2.8	2.6	20	0.4	0.2	0.6	126	0.27	0.045



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112293	Soil	7	187	1.32	191	0.090	<1	1.62	0.008	0.12	<0.1	<0.01	3.8	0.1	0.09	5	<0.5	<0.2
112294	Soil	7	37	1.25	544	0.237	2	2.24	0.006	0.95	<0.1	<0.01	6.2	0.4	0.14	8	<0.5	<0.2
112295	Soil	15	28	0.31	148	0.017	<1	1.48	0.004	0.07	<0.1	0.02	2.2	0.1	0.16	4	<0.5	<0.2
112296	Soil	13	32	0.57	145	0.067	1	1.78	0.006	0.19	<0.1	<0.01	2.2	0.2	0.18	5	<0.5	<0.2
112298	Soil	12	34	1.06	156	0.161	1	3.30	0.006	0.44	<0.1	<0.01	2.6	0.4	0.18	8	<0.5	<0.2
112299	Soil	90	34	0.90	116	0.121	<1	2.45	0.005	0.49	<0.1	0.05	4.5	0.5	<0.05	7	<0.5	<0.2
112300	Soil	13	28	0.52	140	0.072	<1	1.67	0.004	0.28	<0.1	<0.01	1.8	0.2	<0.05	5	<0.5	<0.2
112301	Soil	20	30	0.69	148	0.129	<1	2.35	0.007	0.57	<0.1	0.01	2.2	0.5	<0.05	7	<0.5	<0.2
112302	Soil	19	35	0.80	136	0.031	<1	1.86	0.002	0.25	<0.1	<0.01	2.3	0.4	<0.05	6	<0.5	<0.2
112303	Soil	16	23	0.33	133	0.028	2	1.42	0.004	0.06	0.1	0.01	2.0	0.1	<0.05	5	<0.5	<0.2
112304	Soil	78	30	0.76	183	0.122	<1	2.17	0.005	0.63	<0.1	<0.01	2.4	0.5	<0.05	6	<0.5	<0.2
112305	Soil	26	29	0.46	445	0.051	<1	1.61	0.006	0.13	0.1	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
112306	Soil	29	34	0.51	329	0.082	<1	1.72	0.008	0.10	0.1	0.04	4.8	0.1	<0.05	5	0.6	<0.2
112307	Soil	39	34	0.73	251	0.129	<1	1.96	0.007	0.56	<0.1	0.02	3.9	0.4	<0.05	6	<0.5	<0.2
112308	Soil	39	41	0.83	264	0.106	<1	2.10	0.006	0.56	<0.1	0.03	4.8	0.4	<0.05	7	<0.5	<0.2
112309	Soil	20	27	0.66	209	0.087	1	1.91	0.008	0.20	0.1	0.03	5.1	0.1	<0.05	7	<0.5	<0.2
112310	Soil	10	53	1.06	261	0.199	2	2.25	0.007	0.45	0.2	0.01	4.5	0.4	<0.05	11	<0.5	<0.2
112311	Soil	8	23	0.62	573	0.144	1	1.68	0.013	0.27	0.1	0.02	3.7	0.1	<0.05	10	<0.5	<0.2
112312	Soil	16	18	0.26	135	0.073	<1	1.06	0.005	0.10	<0.1	0.03	1.4	0.1	<0.05	7	<0.5	<0.2
112313	Soil	23	28	0.66	304	0.133	1	1.82	0.009	0.24	0.2	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
112314	Soil	30	22	0.56	317	0.138	<1	1.75	0.008	0.45	0.1	0.02	3.3	0.4	0.10	7	0.6	<0.2
112315	Soil	24	23	0.60	286	0.134	1	1.84	0.007	0.42	0.1	0.03	3.1	0.3	0.07	7	0.7	<0.2
112316	Soil	17	26	0.62	278	0.132	1	2.05	0.008	0.25	0.1	0.02	3.5	0.2	<0.05	7	0.7	<0.2
112317	Soil	18	27	0.68	248	0.126	2	1.74	0.008	0.21	0.1	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
112318	Soil	18	31	0.61	266	0.132	1	2.14	0.007	0.17	0.1	0.03	4.0	0.2	<0.05	8	<0.5	<0.2
112319	Soil	18	26	0.58	369	0.096	<1	1.78	0.008	0.16	0.2	0.06	3.7	0.1	<0.05	6	0.7	<0.2
112320	Soil	12	43	1.96	1927	0.199	<1	2.48	0.021	1.15	<0.1	0.01	13.2	0.4	0.07	10	0.8	<0.2
112321	Soil	17	56	2.12	1489	0.184	1	2.88	0.022	1.31	<0.1	0.03	16.4	0.6	<0.05	12	0.9	<0.2
112322	Soil	11	68	2.00	1434	0.171	2	2.57	0.016	0.93	<0.1	0.07	14.1	0.5	<0.05	10	1.0	<0.2
112323	Soil	10	65	1.79	992	0.174	<1	2.50	0.022	0.79	<0.1	0.03	11.0	0.4	<0.05	10	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
112324	Soil	1.2	74.7	5.5	113	<0.1	16.9	12.4	402	3.72	3.3	0.5	0.8	2.3	11	0.2	0.2	0.3	99	0.16
112325	Soil	2.4	138.3	6.4	205	<0.1	25.7	10.8	498	5.92	2.0	0.5	2.0	2.3	17	0.1	0.1	0.2	150	0.18
112326	Soil	0.8	81.4	6.3	56	<0.1	14.7	11.1	328	3.33	4.1	0.7	3.0	2.4	14	<0.1	0.3	0.3	90	0.18
112327	Soil	0.9	161.0	9.9	137	0.1	33.4	20.2	785	5.75	2.5	0.9	0.9	3.6	11	0.2	0.2	0.8	165	0.13
112328	Soil	0.6	122.6	10.2	100	<0.1	20.4	13.7	331	4.09	3.0	0.9	1.4	3.9	13	0.1	0.2	0.6	115	0.15
112329	Soil	1.0	29.4	10.0	51	<0.1	19.6	11.0	414	3.23	6.2	0.7	1.6	6.9	12	<0.1	0.4	0.2	61	0.13
112330	Soil	1.6	43.1	9.8	74	<0.1	22.9	12.9	426	4.06	9.1	1.2	3.7	7.8	10	<0.1	0.8	0.3	80	0.09
112331	Soil	1.4	22.1	12.8	51	0.2	20.5	9.2	260	2.99	10.3	1.2	3.3	6.4	14	<0.1	0.5	0.2	64	0.13
112332	Soil	0.8	35.1	9.8	62	<0.1	17.4	9.5	452	3.13	6.7	1.4	3.1	11.5	17	<0.1	0.5	0.2	66	0.20
112333	Soil	0.7	17.8	9.5	61	<0.1	6.1	13.7	644	4.75	2.4	0.5	0.9	2.1	12	<0.1	0.2	0.1	99	0.22
112334	Soil	2.6	56.9	18.0	155	<0.1	13.0	12.6	614	4.68	3.7	0.8	2.0	4.0	19	0.2	0.4	0.2	89	0.27
112335	Soil	1.0	12.4	8.7	59	<0.1	8.5	14.2	774	4.02	6.1	0.5	1.8	3.0	12	<0.1	0.5	0.1	62	0.32
112336	Soil	1.4	38.1	9.3	55	<0.1	20.0	12.2	437	3.83	9.5	0.7	3.6	3.6	12	<0.1	0.7	0.1	60	0.15
112337	Soil	0.8	33.1	14.1	46	<0.1	17.6	9.2	271	2.76	13.5	1.1	2.4	4.5	12	<0.1	0.8	0.2	51	0.09
112338	Soil	0.4	13.8	4.5	39	<0.1	11.1	6.7	410	1.70	3.7	0.9	1.0	2.7	16	<0.1	0.8	0.1	35	0.40
113177	Soil	0.8	18.9	13.4	67	<0.1	28.4	13.0	366	3.76	6.9	0.8	1.1	4.7	14	0.1	0.4	0.2	73	0.15
113178	Soil	1.1	23.9	12.7	75	<0.1	22.2	13.7	422	3.46	11.7	0.8	2.2	6.3	14	<0.1	0.7	0.2	61	0.11
113179	Soil	1.2	20.7	13.4	61	<0.1	14.3	7.1	258	2.97	8.7	0.5	1.5	2.2	13	0.1	0.5	0.2	64	0.13
113180	Soil	1.4	14.0	10.1	47	<0.1	11.6	4.8	197	2.36	8.9	0.7	2.3	2.5	12	<0.1	0.5	0.2	58	0.11
113181	Soil	1.3	23.4	14.2	63	<0.1	18.7	7.0	231	2.89	11.5	1.2	1.9	5.1	12	0.1	0.6	0.2	55	0.11
113182	Soil	1.5	32.6	13.6	77	<0.1	21.6	9.6	327	3.10	12.3	1.7	2.2	10.7	12	0.1	1.2	0.2	58	0.09
113183	Soil	1.1	36.1	15.8	72	<0.1	27.4	11.3	314	3.10	12.6	1.3	3.6	8.6	17	0.1	1.3	0.2	62	0.13
113184	Soil	1.3	38.0	13.4	74	<0.1	26.7	10.5	376	2.96	12.1	1.2	4.7	8.0	21	0.1	1.2	0.2	53	0.18
113185	Soil	2.0	6.5	13.0	56	<0.1	9.6	8.2	411	3.18	4.4	1.5	<0.5	14.2	16	<0.1	0.9	0.3	29	0.15
113186	Soil	1.8	51.1	166.7	211	<0.1	18.8	12.1	888	4.84	12.5	4.2	2.5	23.9	26	0.3	7.3	0.4	86	0.23
113187	Soil	1.7	15.1	14.3	51	<0.1	15.6	8.8	218	3.46	11.3	1.4	2.0	6.1	13	0.2	0.7	0.2	73	0.11
113188	Soil	1.0	11.7	13.2	53	<0.1	16.7	9.1	245	3.06	11.5	0.9	1.8	5.9	11	0.1	0.6	0.2	63	0.09
113189	Soil	2.0	11.0	13.8	57	<0.1	16.3	10.6	403	3.28	12.0	0.5	2.6	3.2	10	<0.1	0.6	0.2	74	0.09
113190	Soil	1.5	14.6	11.6	62	<0.1	20.3	13.1	469	3.36	12.8	0.7	0.9	5.4	10	0.1	0.9	0.2	61	0.08
113191	Soil	0.7	16.7	12.2	56	<0.1	21.2	9.4	248	2.77	11.9	0.8	2.0	8.3	11	<0.1	0.6	0.2	50	0.10



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
112324	Soil	9	28	1.34	474	0.150	<1	2.11	0.019	0.37	0.1	0.02	6.2	0.2	<0.05	8	<0.5
112325	Soil	12	48	2.60	1242	0.274	<1	3.19	0.020	1.53	0.2	0.02	11.5	0.6	0.16	12	<0.5
112326	Soil	11	26	1.10	421	0.128	<1	1.97	0.019	0.27	<0.1	0.02	6.3	0.2	<0.05	8	<0.5
112327	Soil	24	63	1.89	819	0.307	<1	3.28	0.017	1.45	0.1	0.02	13.4	0.5	<0.05	11	<0.5
112328	Soil	18	46	1.37	586	0.158	<1	2.76	0.021	0.71	<0.1	0.01	7.8	0.2	<0.05	9	<0.5
112329	Soil	17	41	0.79	261	0.156	<1	2.14	0.007	0.27	<0.1	0.01	4.0	0.2	<0.05	7	<0.5
112330	Soil	17	34	0.55	217	0.091	2	2.20	0.008	0.12	0.4	0.07	6.3	0.2	<0.05	7	<0.5
112331	Soil	19	39	0.51	244	0.082	1	1.97	0.009	0.08	0.1	0.04	5.1	0.1	<0.05	6	0.6
112332	Soil	19	32	0.87	296	0.178	<1	2.15	0.011	0.34	0.2	0.05	7.8	0.4	<0.05	7	<0.5
112333	Soil	8	11	0.94	266	0.149	<1	2.17	0.008	0.39	<0.1	0.02	8.1	0.2	<0.05	9	<0.5
112334	Soil	13	25	1.77	378	0.101	<1	3.07	0.015	0.45	<0.1	0.01	10.0	0.2	0.07	10	0.7
112335	Soil	9	16	0.77	208	0.090	<1	2.17	0.010	0.26	0.1	0.02	7.2	0.2	0.05	8	<0.5
112336	Soil	8	29	0.66	187	0.084	<1	2.58	0.012	0.13	0.1	0.03	4.7	<0.1	0.05	6	0.7
112337	Soil	16	29	0.49	210	0.057	<1	1.68	0.010	0.06	0.1	0.03	4.3	<0.1	<0.05	5	0.6
112338	Soil	9	22	0.47	232	0.061	<1	0.90	0.009	0.15	0.6	0.06	2.6	<0.1	0.06	3	<0.5
113177	Soil	10	73	1.39	358	0.218	<1	2.78	0.009	0.50	0.2	<0.01	3.2	0.3	<0.05	9	<0.5
113178	Soil	13	45	0.78	261	0.105	1	2.38	0.010	0.14	0.2	0.04	3.2	0.2	<0.05	6	0.5
113179	Soil	9	29	0.52	178	0.091	<1	1.71	0.008	0.08	0.1	0.02	1.8	0.1	<0.05	7	0.5
113180	Soil	13	23	0.46	195	0.073	<1	1.38	0.010	0.06	0.1	0.01	1.9	0.1	<0.05	6	<0.5
113181	Soil	18	30	0.49	181	0.063	1	1.70	0.008	0.06	0.2	0.04	2.6	0.1	<0.05	6	<0.5
113182	Soil	42	34	0.58	206	0.083	4	2.05	0.012	0.09	0.2	0.09	4.2	0.2	<0.05	6	<0.5
113183	Soil	28	36	0.64	260	0.085	4	2.09	0.011	0.11	0.2	0.06	5.5	0.1	<0.05	6	0.7
113184	Soil	32	33	0.62	359	0.065	2	1.70	0.018	0.10	0.2	0.06	5.1	<0.1	<0.05	5	0.6
113185	Soil	15	29	1.19	459	0.122	<1	2.64	0.006	0.40	<0.1	0.01	2.9	0.2	<0.05	9	0.7
113186	Soil	58	28	1.07	491	0.129	3	2.30	0.010	0.74	0.1	0.55	7.8	0.5	<0.05	8	<0.5
113187	Soil	24	29	0.48	225	0.069	1	2.31	0.008	0.09	0.2	0.05	2.7	0.1	0.05	8	<0.5
113188	Soil	14	35	0.55	274	0.074	1	2.21	0.008	0.09	0.2	0.02	2.9	0.1	<0.05	7	<0.5
113189	Soil	12	32	0.46	249	0.055	1	1.98	0.010	0.06	0.2	0.02	2.7	0.1	<0.05	7	<0.5
113190	Soil	13	36	0.59	226	0.057	1	2.19	0.010	0.09	0.2	0.02	3.4	0.1	<0.05	6	<0.5
113191	Soil	13	31	0.57	259	0.066	2	2.02	0.010	0.06	0.1	0.03	2.9	0.1	<0.05	5	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
113192	Soil	1.2	9.4	11.6	65	<0.1	15.1	12.9	791	3.00	8.9	0.5	<0.5	4.1	12	0.1	0.6	0.2	62	0.12
113193	Soil	1.1	19.0	15.8	64	<0.1	24.9	10.8	324	3.21	13.7	0.8	2.2	7.1	12	<0.1	0.9	0.2	59	0.10
113194	Soil	1.3	28.8	13.6	69	<0.1	26.2	11.6	418	3.37	12.8	2.1	3.9	16.3	13	<0.1	1.0	0.2	63	0.10
113195	Soil	0.4	13.1	13.7	84	<0.1	24.2	15.8	607	3.94	3.8	3.7	1.0	17.2	9	<0.1	0.3	<0.1	69	0.11
113196	Soil	1.1	8.4	10.9	40	<0.1	11.6	5.3	214	2.78	10.1	0.7	1.3	4.5	11	<0.1	0.6	0.2	64	0.09
113197	Soil	1.3	10.6	15.1	43	<0.1	13.0	5.2	187	2.61	9.1	2.4	1.2	7.3	11	<0.1	0.5	0.2	48	0.10
113198	Soil	1.0	10.8	8.5	51	<0.1	18.5	8.5	286	3.45	9.7	0.8	2.7	7.0	13	<0.1	0.5	0.2	54	0.12
113199	Soil	1.0	8.8	11.4	40	<0.1	12.4	7.0	243	3.40	7.7	1.3	2.5	8.0	10	<0.1	0.5	0.2	50	0.08
113200	Soil	0.4	10.8	7.3	50	<0.1	9.0	4.7	291	1.86	3.2	1.3	0.7	14.3	7	<0.1	0.3	0.1	22	0.06
113201	Soil	0.8	17.3	27.3	102	<0.1	14.8	9.5	470	3.60	10.9	2.0	<0.5	13.5	9	<0.1	0.4	0.4	49	0.07
113202	Soil	0.6	7.7	8.0	38	<0.1	10.0	3.8	224	1.84	4.5	0.9	<0.5	17.8	7	<0.1	0.4	<0.1	18	0.07
113203	Soil	0.6	18.4	22.1	72	<0.1	12.4	11.5	502	4.06	4.4	2.6	1.3	15.6	16	<0.1	1.3	0.2	72	0.22
113204	Soil	1.3	18.0	13.2	56	<0.1	24.6	8.7	269	2.95	12.9	1.1	2.3	9.2	16	<0.1	0.9	0.2	55	0.12
113205	Soil	1.1	12.1	21.4	51	<0.1	19.0	6.9	212	2.84	10.8	0.5	<0.5	7.6	10	<0.1	0.7	0.2	55	0.10
113206	Soil	1.0	10.7	10.2	48	<0.1	14.7	5.9	281	2.28	7.2	0.7	1.7	7.0	18	<0.1	0.9	0.1	39	0.15
113207	Soil	1.4	9.3	14.3	45	<0.1	14.8	6.2	174	2.46	7.7	0.6	<0.5	5.3	10	0.1	0.6	0.3	49	0.10
115159	Soil	1.1	20.3	11.6	57	<0.1	21.3	10.2	281	2.92	11.6	0.9	2.9	10.0	9	<0.1	0.6	0.2	51	0.08
115160	Soil	1.2	9.1	15.0	39	<0.1	11.8	5.1	228	2.30	8.2	0.8	2.9	6.5	10	<0.1	0.5	0.2	56	0.10
115161	Soil	1.6	15.1	13.0	50	0.1	15.9	6.6	260	2.60	8.7	1.5	1.1	4.0	12	0.1	0.6	0.3	51	0.12
115162	Soil	1.1	17.8	14.8	65	<0.1	18.9	11.4	413	2.92	11.0	1.5	2.2	9.8	12	<0.1	0.8	0.2	52	0.12



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
113192	Soil	9	31	0.70	285	0.103	2	2.13	0.009	0.16	0.1	0.01	2.7	0.2	<0.05	8	<0.5	<0.2
113193	Soil	12	35	0.61	237	0.084	2	2.29	0.008	0.14	0.2	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
113194	Soil	18	42	0.60	260	0.082	2	2.42	0.017	0.09	0.2	0.05	5.0	0.1	<0.05	6	<0.5	<0.2
113195	Soil	132	64	2.13	305	0.315	<1	3.03	0.007	1.23	<0.1	<0.01	3.3	0.8	<0.05	11	<0.5	<0.2
113196	Soil	15	23	0.38	223	0.074	<1	1.50	0.008	0.07	0.2	<0.01	2.1	0.1	<0.05	7	<0.5	<0.2
113197	Soil	26	23	0.53	310	0.073	2	1.54	0.011	0.16	0.2	0.01	2.3	0.1	<0.05	6	<0.5	<0.2
113198	Soil	14	37	0.93	374	0.147	<1	2.13	0.008	0.44	0.1	<0.01	3.0	0.2	<0.05	8	<0.5	<0.2
113199	Soil	16	23	0.56	260	0.108	<1	1.73	0.010	0.26	0.2	0.01	2.5	0.1	<0.05	7	<0.5	<0.2
113200	Soil	53	16	1.17	246	0.138	<1	1.60	0.015	0.32	<0.1	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
113201	Soil	33	36	1.54	397	0.237	<1	2.47	0.010	1.00	0.2	<0.01	3.5	0.6	0.05	10	<0.5	<0.2
113202	Soil	46	16	1.15	180	0.088	<1	1.79	0.006	0.44	<0.1	0.02	1.8	0.3	<0.05	6	<0.5	<0.2
113203	Soil	50	28	1.40	491	0.176	<1	2.58	0.007	0.93	0.2	0.17	6.0	0.6	<0.05	11	<0.5	<0.2
113204	Soil	26	36	0.54	417	0.084	1	1.75	0.011	0.14	0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
113205	Soil	12	28	0.43	243	0.073	1	2.00	0.007	0.12	0.2	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
113206	Soil	11	22	0.48	261	0.081	<1	1.21	0.006	0.23	0.2	0.04	2.2	0.2	<0.05	5	<0.5	<0.2
113207	Soil	10	21	0.48	321	0.045	<1	1.70	0.005	0.08	0.2	0.02	1.9	0.1	<0.05	6	<0.5	<0.2
115159	Soil	16	31	0.62	187	0.066	<1	1.89	0.006	0.10	0.2	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
115160	Soil	17	24	0.50	165	0.075	<1	1.36	0.005	0.09	0.1	<0.01	2.0	0.2	<0.05	7	0.7	<0.2
115161	Soil	30	31	0.48	188	0.056	1	1.54	0.008	0.12	0.2	0.04	2.3	0.1	<0.05	7	<0.5	<0.2
115162	Soil	22	31	0.67	212	0.076	<1	1.84	0.007	0.10	0.2	0.05	3.3	0.1	<0.05	5	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
Pulp Duplicates																					
110196	Soil	1.0	10.3	19.8	71	<0.1	16.9	8.6	279	3.14	5.4	1.1	1.4	10.1	11	<0.1	0.3	0.2	56	0.18	0.043
REP 110196	QC	1.2	10.4	19.7	73	<0.1	16.5	9.0	285	3.19	5.1	1.1	<0.5	10.2	12	<0.1	0.3	0.2	57	0.17	0.042
110220	Soil	1.1	30.0	10.7	85	<0.1	23.2	8.0	346	2.48	11.0	1.4	2.8	5.5	12	0.1	1.0	0.1	54	0.11	0.018
REP 110220	QC	1.1	30.9	10.2	85	<0.1	22.6	8.2	341	2.45	11.1	1.4	4.8	5.7	13	<0.1	1.0	0.1	53	0.12	0.019
110236	Soil	1.6	23.5	15.7	81	<0.1	24.1	8.2	381	3.15	11.7	1.7	2.8	13.7	20	<0.1	1.0	0.2	42	0.21	0.031
REP 110236	QC	2.0	23.6	15.0	83	<0.1	23.1	8.2	385	3.20	11.4	1.6	0.7	14.0	21	<0.1	0.9	0.3	41	0.23	0.030
111233	Soil	1.2	20.2	11.9	74	<0.1	20.9	11.0	395	3.13	18.0	1.2	2.5	13.0	20	0.1	1.5	0.2	49	0.15	0.025
REP 111233	QC	1.3	20.4	11.9	76	<0.1	21.7	11.2	407	3.29	18.6	1.1	1.7	13.2	20	0.1	1.6	0.2	51	0.16	0.025
111244	Soil	0.9	27.8	10.0	83	<0.1	30.4	14.4	497	3.03	8.8	1.3	<0.5	6.0	19	<0.1	0.5	0.2	59	0.24	0.047
REP 111244	QC	1.0	28.5	10.1	85	<0.1	30.5	15.0	501	3.09	8.7	1.4	3.5	6.1	19	0.1	0.6	0.1	59	0.25	0.049
111264	Soil	0.9	41.0	14.7	80	<0.1	39.4	14.8	392	3.35	4.6	3.7	1.7	16.3	16	<0.1	0.7	0.2	40	0.36	0.060
REP 111264	QC	0.8	42.2	15.0	83	<0.1	41.8	15.5	402	3.48	4.7	3.9	1.8	17.4	17	<0.1	0.7	0.2	40	0.34	0.058
111282	Soil	0.4	35.8	23.0	89	<0.1	33.7	15.9	420	4.01	8.5	1.6	1.3	26.9	7	<0.1	0.5	0.3	35	0.10	0.031
REP 111282	QC	0.4	36.5	23.3	89	<0.1	33.3	16.9	430	4.15	8.5	1.6	<0.5	27.4	7	<0.1	0.5	0.3	36	0.09	0.032
111296	Soil	1.2	24.1	12.1	49	<0.1	23.9	8.9	260	2.58	10.1	0.7	1.7	10.7	15	<0.1	0.7	0.3	51	0.17	0.024
REP 111296	QC	1.3	22.8	12.3	49	<0.1	22.9	8.6	258	2.51	9.5	0.8	5.1	10.4	15	<0.1	0.6	0.3	50	0.17	0.024
111320	Soil	2.5	49.5	13.1	60	0.1	29.1	12.0	180	3.08	115.4	2.5	7.4	8.3	21	0.1	7.8	0.3	60	0.13	0.018
REP 111320	QC	2.4	49.6	13.0	59	0.1	29.0	11.8	179	3.02	113.0	2.5	7.3	8.1	20	0.1	7.5	0.3	60	0.13	0.018
111330	Soil	1.1	12.2	10.3	54	<0.1	22.1	7.7	246	2.63	7.5	0.6	3.8	3.8	13	<0.1	0.5	0.2	57	0.18	0.025
REP 111330	QC	1.2	11.7	10.5	55	<0.1	22.3	7.3	241	2.62	7.1	0.6	3.4	3.8	13	0.1	0.5	0.2	57	0.17	0.026
112241	Soil	0.9	20.0	10.7	69	<0.1	20.7	9.8	371	3.07	8.2	1.4	4.4	13.4	17	<0.1	0.7	0.2	56	0.21	0.027
REP 112241	QC	0.9	20.4	10.6	68	<0.1	20.1	9.5	387	3.16	8.1	1.4	2.5	13.7	17	<0.1	0.7	0.2	58	0.20	0.027
112255	Soil	1.6	11.8	12.8	52	<0.1	14.8	7.6	315	3.04	11.2	1.0	2.2	5.8	8	0.1	0.6	0.3	59	0.08	0.044
REP 112255	QC	1.4	11.7	12.8	52	<0.1	14.3	7.6	314	3.04	11.4	0.9	1.3	5.8	9	0.1	0.6	0.3	59	0.08	0.044
112258	Soil	2.1	15.0	11.9	61	<0.1	16.4	7.3	321	3.44	6.1	2.6	2.0	13.8	7	<0.1	0.4	0.4	34	0.06	0.024
REP 112258	QC	2.0	15.1	11.8	64	<0.1	16.6	7.3	323	3.33	6.4	2.7	1.3	13.8	7	<0.1	0.5	0.5	34	0.06	0.023
112267	Soil	1.0	17.5	10.8	49	<0.1	21.2	10.4	237	2.59	12.0	0.6	3.3	18.2	8	<0.1	0.7	0.2	39	0.07	0.015
REP 112267	QC	1.0	17.5	10.5	49	<0.1	21.2	10.8	240	2.62	12.0	0.6	2.5	18.0	8	<0.1	0.7	0.2	40	0.08	0.014



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Part 2

QUALITY CONTROL REPORT

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
110196	Soil	20	36	0.60	164	0.135	<1	2.02	0.007	0.48	0.2	0.01	4.9	0.6	<0.05	10	<0.5	<0.2
REP 110196	QC	21	37	0.61	169	0.141	<1	2.11	0.008	0.48	0.2	<0.01	4.9	0.5	<0.05	10	0.6	<0.2
110220	Soil	14	28	0.39	309	0.062	<1	1.65	0.007	0.05	0.1	0.03	3.6	0.2	<0.05	4	<0.5	<0.2
REP 110220	QC	15	27	0.39	317	0.060	<1	1.67	0.007	0.05	0.1	0.02	3.6	0.2	<0.05	4	<0.5	<0.2
110236	Soil	34	30	0.40	301	0.048	<1	1.53	0.007	0.21	<0.1	0.03	5.6	0.2	<0.05	6	0.5	<0.2
REP 110236	QC	34	28	0.39	301	0.048	<1	1.48	0.006	0.21	<0.1	0.02	5.7	0.3	<0.05	6	<0.5	<0.2
111233	Soil	40	32	0.77	354	0.099	1	2.09	0.007	0.17	0.2	0.07	3.7	0.2	<0.05	6	<0.5	<0.2
REP 111233	QC	39	34	0.79	357	0.102	<1	2.00	0.007	0.18	0.2	0.07	3.6	0.2	<0.05	6	<0.5	<0.2
111244	Soil	17	54	1.01	412	0.144	3	1.94	0.007	0.32	0.2	0.01	3.3	0.3	<0.05	5	<0.5	<0.2
REP 111244	QC	17	54	1.03	404	0.147	2	1.92	0.008	0.33	0.2	0.03	3.2	0.3	<0.05	5	<0.5	<0.2
111264	Soil	34	36	0.70	209	0.096	<1	1.93	0.007	0.49	<0.1	0.05	3.5	0.3	<0.05	7	<0.5	<0.2
REP 111264	QC	35	37	0.71	219	0.098	<1	1.95	0.007	0.51	<0.1	0.05	3.6	0.3	<0.05	7	0.6	<0.2
111282	Soil	66	33	0.70	182	0.178	<1	1.92	0.004	0.71	<0.1	0.02	4.8	0.6	<0.05	6	<0.5	<0.2
REP 111282	QC	67	33	0.72	175	0.179	<1	1.97	0.004	0.73	<0.1	0.02	5.0	0.6	<0.05	6	<0.5	<0.2
111296	Soil	14	31	0.50	260	0.066	<1	1.70	0.005	0.09	0.2	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
REP 111296	QC	13	31	0.48	256	0.064	1	1.62	0.007	0.09	0.3	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
111320	Soil	25	40	0.43	365	0.062	1	1.76	0.008	0.06	0.2	0.22	5.8	0.1	<0.05	5	1.2	<0.2
REP 111320	QC	25	40	0.44	360	0.059	2	1.78	0.007	0.06	0.1	0.20	6.0	0.1	<0.05	5	1.1	<0.2
111330	Soil	12	60	0.66	193	0.109	1	1.68	0.006	0.11	0.2	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
REP 111330	QC	12	59	0.65	197	0.107	2	1.67	0.006	0.11	0.2	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
112241	Soil	48	31	0.96	311	0.095	<1	2.32	0.007	0.26	0.1	0.03	5.0	0.2	<0.05	8	0.7	<0.2
REP 112241	QC	49	32	0.98	313	0.095	<1	2.38	0.008	0.27	0.2	0.03	5.2	0.2	<0.05	8	<0.5	<0.2
112255	Soil	14	28	0.53	144	0.067	<1	1.67	0.005	0.08	0.1	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
REP 112255	QC	15	28	0.52	148	0.071	<1	1.71	0.006	0.08	0.2	0.02	2.2	0.1	<0.05	7	<0.5	<0.2
112258	Soil	25	30	0.86	196	0.096	1	2.04	0.005	0.25	<0.1	0.02	2.7	0.2	<0.05	7	<0.5	<0.2
REP 112258	QC	25	29	0.86	195	0.095	3	2.03	0.005	0.24	0.1	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
112267	Soil	26	33	0.50	165	0.048	<1	1.75	0.005	0.05	0.1	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
REP 112267	QC	26	33	0.50	164	0.048	<1	1.78	0.005	0.05	0.1	0.04	2.4	0.1	<0.05	4	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
112284	Soil	1.6	33.9	11.8	41	0.5	21.0	6.6	205	2.62	17.1	0.8	3.0	3.9	12	<0.1	0.5	0.2	58	0.14
REP 112284	QC	1.5	34.0	12.1	41	0.5	21.5	6.6	196	2.60	16.7	0.8	3.3	3.9	12	<0.1	0.5	0.2	55	0.13
112314	Soil	1.8	76.3	7.1	44	<0.1	14.6	8.3	346	3.93	8.0	2.1	0.7	15.8	9	0.1	2.1	1.2	37	0.06
REP 112314	QC	1.8	76.7	6.6	44	<0.1	15.4	8.4	339	3.83	7.6	2.1	0.9	15.4	9	<0.1	2.0	1.3	36	0.06
112318	Soil	1.7	47.3	11.0	63	0.1	18.6	8.5	307	3.35	8.3	1.6	2.2	8.2	13	0.1	0.8	0.3	56	0.13
REP 112318	QC	1.7	46.2	11.0	62	<0.1	18.3	8.3	292	3.31	8.6	1.6	2.5	8.2	13	<0.1	0.8	0.4	57	0.13
113187	Soil	1.7	15.1	14.3	51	<0.1	15.6	8.8	218	3.46	11.3	1.4	2.0	6.1	13	0.2	0.7	0.2	73	0.11
REP 113187	QC	1.7	15.7	14.1	54	<0.1	15.7	8.5	215	3.31	11.4	1.3	0.8	5.9	13	0.1	0.7	0.2	70	0.12
113193	Soil	1.1	19.0	15.8	64	<0.1	24.9	10.8	324	3.21	13.7	0.8	2.2	7.1	12	<0.1	0.9	0.2	59	0.10
REP 113193	QC	1.2	18.2	15.8	64	<0.1	24.9	10.7	325	3.10	13.7	0.7	2.6	6.8	13	<0.1	1.0	0.2	57	0.11
Reference Materials																				
STD DS8	Standard	12.8	109.9	124.2	315	2.0	37.2	7.7	630	2.52	27.1	2.8	126.9	6.7	74	2.6	6.2	7.3	40	0.66
STD DS8	Standard	13.4	111.7	126.6	323	1.8	38.6	7.8	629	2.54	27.6	2.8	117.7	7.0	74	2.5	6.2	7.0	43	0.69
STD DS8	Standard	13.9	116.9	128.6	330	1.8	39.9	7.9	651	2.63	27.4	3.0	113.3	7.5	74	2.2	6.0	7.3	44	0.73
STD DS8	Standard	14.4	120.3	131.5	341	1.9	40.9	8.2	646	2.60	28.1	3.0	115.9	7.7	77	2.4	5.8	7.3	45	0.72
STD DS8	Standard	13.6	116.7	130.1	337	1.8	40.1	7.6	620	2.49	28.1	2.9	117.3	7.2	72	2.5	6.4	7.3	44	0.71
STD DS8	Standard	14.4	117.0	133.8	330	1.9	40.5	7.9	620	2.56	28.3	2.9	118.1	7.5	71	2.3	6.5	7.4	44	0.70
STD DS8	Standard	14.5	121.5	135.4	327	1.9	42.2	8.3	643	2.58	26.8	2.8	121.5	7.3	66	2.5	5.3	6.4	47	0.73
STD DS8	Standard	14.7	120.5	131.1	324	1.8	42.0	8.2	656	2.62	26.8	2.7	110.3	7.2	65	2.3	5.4	6.5	47	0.74
STD DS8	Standard	12.4	110.9	125.8	328	1.9	38.0	7.8	624	2.51	27.9	2.7	120.3	6.7	67	2.5	5.6	7.5	43	0.69
STD DS8	Standard	13.4	114.0	127.6	331	1.8	38.6	7.5	663	2.50	28.4	2.8	122.9	7.3	66	2.2	6.0	7.0	44	0.71
STD DS8	Standard	15.6	123.3	136.3	336	1.9	43.5	8.5	671	2.66	27.9	3.1	118.6	7.4	75	2.5	6.4	7.6	47	0.76
STD DS8	Standard	14.9	121.9	132.7	330	1.8	41.6	8.5	656	2.58	28.3	3.0	122.5	7.4	71	2.7	6.2	7.5	46	0.73
STD DS8	Standard	14.5	123.9	129.7	336	1.9	42.2	8.7	660	2.66	29.4	2.9	117.8	7.1	71	2.5	6.2	7.4	47	0.74
STD DS8	Standard	15.4	119.2	127.0	339	1.8	40.7	8.2	642	2.51	28.7	2.9	111.8	7.1	69	2.3	6.2	7.1	45	0.72
STD DS8	Standard	14.3	120.3	130.2	327	1.8	42.4	8.4	630	2.47	26.2	2.9	108.4	7.2	63	2.4	5.4	6.5	45	0.68
STD DS8	Standard	15.2	124.4	137.3	322	1.9	42.0	8.6	670	2.61	27.5	3.0	117.7	7.8	68	2.4	5.8	6.7	48	0.75
STD DS8	Standard	13.8	116.7	127.9	320	1.8	40.7	7.6	602	2.40	25.2	2.7	107.4	6.7	61	2.1	5.3	6.6	44	0.66
STD DS8	Standard	13.6	118.1	124.5	315	1.8	39.7	7.8	605	2.41	25.4	2.6	101.2	6.6	60	2.4	5.2	6.5	43	0.66



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
112284	Soil	14	27	0.37	265	0.036	1	1.71	0.007	0.06	0.1	0.06	2.5	0.1	<0.05	6	<0.5	<0.2
REP 112284	QC	13	26	0.37	265	0.032	<1	1.68	0.006	0.05	0.1	0.05	2.5	0.1	<0.05	6	<0.5	<0.2
112314	Soil	30	22	0.56	317	0.138	<1	1.75	0.008	0.45	0.1	0.02	3.3	0.4	0.10	7	0.6	<0.2
REP 112314	QC	29	21	0.57	309	0.135	1	1.74	0.008	0.48	0.1	0.03	3.3	0.4	0.10	7	1.0	<0.2
112318	Soil	18	31	0.61	266	0.132	1	2.14	0.007	0.17	0.1	0.03	4.0	0.2	<0.05	8	<0.5	<0.2
REP 112318	QC	18	31	0.63	253	0.130	1	2.21	0.008	0.16	0.2	0.03	4.1	0.2	<0.05	8	<0.5	<0.2
113187	Soil	24	29	0.48	225	0.069	1	2.31	0.008	0.09	0.2	0.05	2.7	0.1	0.05	8	<0.5	<0.2
REP 113187	QC	23	29	0.47	216	0.068	1	2.21	0.016	0.08	0.2	0.05	2.6	0.1	0.05	8	<0.5	<0.2
113193	Soil	12	35	0.61	237	0.084	2	2.29	0.008	0.14	0.2	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
REP 113193	QC	12	34	0.62	227	0.086	1	2.29	0.009	0.14	0.2	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	116	0.62	291	0.112	2	0.96	0.105	0.45	2.9	0.21	2.8	5.6	0.20	5	5.2	5.2
STD DS8	Standard	15	116	0.64	291	0.127	2	0.99	0.104	0.47	3.2	0.20	2.3	5.8	0.15	5	5.6	5.4
STD DS8	Standard	15	122	0.64	284	0.133	2	0.95	0.094	0.42	3.2	0.22	2.1	5.6	0.18	5	5.2	5.0
STD DS8	Standard	16	123	0.62	291	0.137	3	0.96	0.093	0.45	3.2	0.20	2.3	5.6	0.16	5	5.8	5.3
STD DS8	Standard	14	123	0.61	280	0.124	2	0.91	0.085	0.44	3.0	0.20	2.1	5.4	0.17	5	5.3	5.0
STD DS8	Standard	15	122	0.61	292	0.124	<1	0.88	0.084	0.43	3.2	0.20	2.1	5.5	0.16	5	5.5	4.8
STD DS8	Standard	15	131	0.56	295	0.132	2	0.98	0.097	0.42	3.0	0.21	2.0	5.4	0.14	5	5.1	5.0
STD DS8	Standard	15	132	0.57	297	0.132	1	0.99	0.098	0.43	2.9	0.20	2.1	5.4	0.14	5	5.5	4.8
STD DS8	Standard	14	114	0.62	276	0.109	2	0.93	0.089	0.44	2.8	0.22	1.9	5.6	0.17	4	5.8	5.1
STD DS8	Standard	16	121	0.63	292	0.114	3	0.94	0.094	0.44	2.8	0.19	2.3	5.6	0.19	5	5.6	5.1
STD DS8	Standard	16	132	0.65	304	0.131	4	0.98	0.091	0.45	3.3	0.22	2.3	5.7	0.16	5	5.7	5.6
STD DS8	Standard	16	130	0.64	301	0.124	3	0.94	0.091	0.43	3.1	0.21	2.1	5.7	0.19	5	4.9	5.5
STD DS8	Standard	15	129	0.64	303	0.124	4	0.94	0.092	0.44	3.1	0.22	2.1	5.6	0.15	5	4.8	5.6
STD DS8	Standard	15	124	0.63	291	0.124	3	0.93	0.091	0.43	3.1	0.22	2.1	5.4	0.16	5	5.4	5.1
STD DS8	Standard	14	127	0.61	265	0.115	3	0.93	0.085	0.42	2.9	0.22	2.1	5.2	0.16	4	4.7	4.9
STD DS8	Standard	16	130	0.65	310	0.125	2	0.97	0.095	0.44	3.2	0.19	2.2	5.5	0.20	5	5.1	4.7
STD DS8	Standard	14	122	0.62	279	0.113	3	0.90	0.084	0.41	3.0	0.20	2.1	5.3	0.15	5	5.8	5.5
STD DS8	Standard	14	121	0.60	270	0.114	2	0.88	0.084	0.40	2.9	0.20	2.1	5.3	0.15	5	5.4	5.1



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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
STD DS8	Standard	13.1	117.1	116.2	325	1.9	40.2	7.8	623	2.48	26.9	2.4	105.6	5.9	58	2.4	5.5	6.3	45	0.66	0.088
STD DS8	Standard	14.4	119.7	114.3	337	2.0	43.3	8.7	667	2.66	28.6	2.3	109.9	6.1	65	2.6	5.6	6.5	47	0.73	0.093
STD DS8	Standard	12.8	107.3	126.0	303	1.7	39.1	7.6	602	2.39	26.2	2.6	110.5	6.7	56	2.0	4.5	5.9	41	0.67	0.072
STD DS8	Standard	13.7	110.1	132.1	311	1.8	39.9	8.0	623	2.49	27.6	2.6	112.1	6.9	62	2.3	5.0	6.2	44	0.71	0.082
STD DS8	Standard	13.4	117.7	132.1	335	1.8	39.3	7.9	633	2.54	26.5	3.0	125.0	7.6	73	2.5	6.0	7.4	41	0.68	0.082
STD DS8	Standard	13.5	116.5	129.7	332	1.9	40.0	7.7	637	2.49	27.5	3.1	125.7	7.6	77	2.4	6.2	7.6	42	0.72	0.084
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS8	Standard	13	121	0.63	277	0.111	2	0.89	0.086	0.43	3.0	0.21	2.0	5.2	0.18	5	5.5	5.3
STD DS8	Standard	15	124	0.69	283	0.123	2	1.01	0.094	0.46	3.2	0.20	2.3	5.3	0.24	5	5.7	5.2
STD DS8	Standard	13	116	0.58	254	0.111	2	0.87	0.079	0.36	3.0	0.20	1.9	5.4	0.10	5	6.1	5.2
STD DS8	Standard	15	120	0.62	274	0.114	2	0.93	0.085	0.40	3.0	0.22	2.2	5.6	0.31	5	5.2	5.5
STD DS8	Standard	16	121	0.61	292	0.127	2	0.91	0.092	0.44	2.9	0.22	2.2	5.5	0.17	5	4.7	4.7
STD DS8	Standard	17	120	0.63	301	0.134	3	0.94	0.102	0.44	3.1	0.22	2.4	5.5	0.14	5	5.2	5.2
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Client: **Taku Gold Corp**
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Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: June 22, 2011
Report Date: July 04, 2011
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CERTIFICATE OF ANALYSIS

WHI11000285.1

CLIENT JOB INFORMATION

Project: WMOOSE
Shipment ID: 20110617100612
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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Greg Davidson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** 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:

WMOOSE

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000285.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
115163	Soil	1.0	14.0	9.1	52	<0.1	14.6	7.4	236	2.36	7.8	0.8	2.9	6.5	11	<0.1	0.7	0.2	40	0.14	0.047
115164	Soil	1.3	12.5	11.6	66	<0.1	16.6	11.2	412	3.35	9.3	0.5	1.8	5.3	9	0.1	0.5	0.2	57	0.13	0.073
115165	Soil	0.8	63.4	6.3	78	<0.1	23.1	17.4	422	3.74	5.4	0.6	1.8	2.9	11	<0.1	0.3	<0.1	99	0.23	0.074
115166	Soil	1.3	13.3	8.9	46	<0.1	20.8	8.8	363	2.53	7.8	1.0	1.8	7.1	13	<0.1	0.5	0.2	45	0.17	0.057
115167	Soil	1.0	17.0	3.9	61	<0.1	31.0	15.2	403	3.36	3.3	1.0	<0.5	5.7	15	<0.1	0.2	<0.1	74	0.26	0.026
115168	Soil	1.4	21.1	9.3	56	<0.1	22.9	12.3	287	2.89	6.9	1.5	1.6	13.8	11	<0.1	0.4	0.2	52	0.12	0.018
115169	Soil	1.2	23.9	10.9	74	<0.1	22.8	10.9	353	2.89	8.5	1.5	2.6	12.1	14	0.1	0.7	0.2	46	0.22	0.050
115170	Soil	1.3	15.1	12.8	55	<0.1	11.5	8.1	277	2.18	3.7	2.3	2.0	16.2	10	<0.1	0.3	0.3	22	0.13	0.032
115171	Soil	1.2	21.2	10.3	58	<0.1	20.0	11.8	445	2.60	6.8	1.5	2.7	11.3	15	<0.1	0.5	0.2	49	0.20	0.030
115172	Soil	0.7	19.4	9.6	50	<0.1	20.0	7.4	204	2.33	8.2	1.0	2.5	7.3	13	<0.1	0.4	0.1	42	0.16	0.034
115173	Soil	1.1	14.2	11.5	52	0.1	16.1	6.5	206	2.59	10.2	0.7	1.7	5.0	10	<0.1	0.3	0.2	50	0.12	0.031
115174	Soil	1.3	21.7	14.0	58	0.1	26.6	11.1	257	2.91	11.4	1.1	4.5	7.4	12	0.1	0.4	0.2	50	0.13	0.039
115175	Soil	1.1	16.2	11.8	46	0.3	17.1	5.9	143	2.25	9.2	0.9	8.6	5.6	10	<0.1	0.4	0.2	47	0.10	0.032
115176	Soil	1.4	47.5	19.7	74	<0.1	18.7	7.7	721	3.88	11.8	2.3	2.6	13.4	9	0.1	0.3	0.3	31	0.13	0.061
115177	Soil	1.1	26.4	13.1	55	<0.1	21.5	8.1	244	2.14	14.4	2.0	2.6	7.8	10	<0.1	0.4	0.2	39	0.11	0.035
115178	Soil	1.3	23.4	12.0	55	0.2	17.5	6.5	187	2.33	9.5	1.1	2.2	5.6	10	<0.1	0.5	0.2	42	0.09	0.029
115179	Soil	1.1	21.5	10.7	55	<0.1	16.5	6.4	164	2.31	10.2	1.7	6.0	5.0	12	<0.1	0.5	0.2	46	0.10	0.026
115180	Soil	1.2	29.6	13.3	67	<0.1	26.0	12.7	292	3.24	13.0	1.2	1.7	8.2	9	<0.1	0.6	0.3	55	0.09	0.019
115181	Soil	0.8	28.0	15.7	76	<0.1	27.7	14.2	389	4.35	11.5	1.0	4.9	11.2	7	<0.1	0.5	0.3	54	0.10	0.044
115182	Soil	1.2	21.2	13.3	54	<0.1	20.5	9.3	284	2.87	10.9	1.2	2.1	7.8	11	<0.1	0.7	0.2	63	0.09	0.017
115183	Soil	1.0	31.9	13.9	62	<0.1	24.1	10.6	295	2.83	10.3	2.4	3.9	18.7	11	<0.1	0.7	0.2	53	0.10	0.017
115184	Soil	1.0	20.4	13.1	50	<0.1	19.2	9.7	283	2.78	13.0	1.1	5.3	12.0	9	<0.1	0.7	0.2	55	0.09	0.017
115185	Soil	1.0	22.5	12.5	51	<0.1	20.9	9.8	292	2.79	11.1	1.7	5.1	8.9	11	0.1	0.6	0.2	57	0.09	0.018
115186	Soil	0.7	36.3	10.3	53	<0.1	18.4	7.9	238	2.66	7.4	0.7	4.0	3.9	12	<0.1	0.4	0.2	56	0.14	0.020
115187	Soil	0.8	38.7	6.0	71	<0.1	19.0	16.7	465	4.45	7.7	0.4	1.7	2.1	9	<0.1	0.6	0.1	119	0.14	0.040
115188	Soil	0.9	21.5	10.7	56	<0.1	17.3	7.6	270	2.69	9.9	1.0	3.2	9.6	10	<0.1	0.5	0.2	50	0.09	0.015
115189	Soil	2.5	19.5	27.8	106	<0.1	15.3	6.6	290	3.09	11.0	1.1	<0.5	7.1	9	0.3	0.6	0.4	60	0.06	0.044
115190	Soil	2.8	27.8	11.9	95	<0.1	23.1	13.4	385	3.44	9.8	3.2	1.7	11.1	9	0.3	0.5	0.4	57	0.09	0.040
115191	Soil	1.0	8.3	9.4	55	<0.1	12.5	8.2	355	2.81	2.7	0.7	<0.5	6.6	14	0.2	0.3	0.2	44	0.17	0.047
115192	Soil	0.8	6.7	10.3	39	<0.1	11.4	6.7	342	1.95	4.3	0.7	<0.5	6.5	11	<0.1	0.4	0.2	45	0.14	0.039



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000285.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
115163	Soil	16	22	0.41	166	0.048	2	1.24	0.004	0.09	0.2	0.08	2.0	<0.1	<0.05	4	0.7	<0.2
115164	Soil	9	39	0.78	195	0.087	1	1.97	0.004	0.31	0.2	0.02	2.0	0.2	<0.05	6	0.8	<0.2
115165	Soil	4	52	1.33	276	0.151	<1	2.41	0.011	0.38	0.1	<0.01	3.2	0.2	<0.05	8	<0.5	<0.2
115166	Soil	7	32	0.66	215	0.059	<1	1.42	0.004	0.18	0.1	0.02	2.7	0.1	<0.05	5	0.5	<0.2
115167	Soil	23	96	2.23	400	0.190	<1	2.65	0.006	0.78	0.1	0.02	2.5	0.4	<0.05	7	0.6	<0.2
115168	Soil	43	57	1.08	187	0.108	<1	1.81	0.006	0.16	0.1	0.03	3.4	0.2	<0.05	6	0.6	<0.2
115169	Soil	38	36	0.72	285	0.073	<1	1.39	0.006	0.15	0.1	0.03	3.9	0.1	<0.05	5	0.7	<0.2
115170	Soil	45	20	0.49	206	0.040	<1	0.95	0.003	0.20	<0.1	<0.01	2.5	0.1	<0.05	4	<0.5	<0.2
115171	Soil	25	37	0.73	269	0.076	<1	1.49	0.006	0.11	0.1	0.03	3.5	0.1	<0.05	5	0.8	<0.2
115172	Soil	19	29	0.52	194	0.045	<1	1.27	0.005	0.05	0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
115173	Soil	11	46	0.57	174	0.041	<1	1.55	0.005	0.06	0.1	0.02	2.7	0.1	<0.05	5	0.5	<0.2
115174	Soil	20	32	0.46	168	0.031	<1	1.68	0.004	0.08	0.1	0.04	2.1	<0.1	<0.05	4	0.8	<0.2
115175	Soil	15	26	0.33	126	0.036	<1	1.35	0.005	0.05	0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
115176	Soil	43	17	0.46	178	0.104	<1	2.14	0.005	0.65	<0.1	<0.01	2.6	0.4	<0.05	6	0.8	<0.2
115177	Soil	26	24	0.32	155	0.029	<1	1.23	0.003	0.10	<0.1	0.04	2.5	0.2	<0.05	4	1.1	<0.2
115178	Soil	12	26	0.37	153	0.035	1	1.38	0.004	0.05	0.1	0.03	1.9	<0.1	<0.05	4	0.7	<0.2
115179	Soil	16	26	0.39	199	0.040	1	1.36	0.003	0.04	0.1	0.03	2.9	0.1	<0.05	4	0.7	<0.2
115180	Soil	16	34	0.59	172	0.075	2	1.86	0.005	0.12	0.1	0.02	3.0	0.2	<0.05	5	0.6	<0.2
115181	Soil	10	41	0.78	157	0.197	<1	2.23	0.005	0.49	0.1	<0.01	3.0	0.5	<0.05	7	0.6	<0.2
115182	Soil	19	37	0.49	227	0.068	<1	1.80	0.007	0.05	0.1	0.03	4.0	0.1	<0.05	6	0.6	<0.2
115183	Soil	51	36	0.57	246	0.054	<1	1.90	0.006	0.05	0.2	0.09	4.7	0.1	<0.05	5	0.6	<0.2
115184	Soil	16	32	0.43	189	0.043	<1	1.87	0.004	0.04	0.2	0.03	3.0	0.2	<0.05	5	<0.5	<0.2
115185	Soil	22	36	0.50	215	0.059	<1	1.83	0.007	0.05	0.2	0.06	4.6	0.1	<0.05	5	<0.5	<0.2
115186	Soil	10	41	0.70	213	0.101	<1	1.62	0.005	0.14	0.1	0.01	2.8	0.1	<0.05	6	<0.5	<0.2
115187	Soil	4	38	1.29	333	0.236	<1	2.60	0.009	0.59	0.1	0.02	4.9	0.3	<0.05	9	<0.5	<0.2
115188	Soil	22	33	0.53	196	0.061	<1	1.63	0.008	0.07	0.1	0.04	2.7	<0.1	<0.05	5	0.5	<0.2
115189	Soil	14	34	0.45	190	0.080	1	1.35	0.004	0.13	0.2	0.02	2.1	0.1	<0.05	7	<0.5	<0.2
115190	Soil	35	50	1.02	304	0.134	<1	2.31	0.006	0.52	0.1	0.02	2.7	0.3	<0.05	7	0.8	<0.2
115191	Soil	6	25	0.75	399	0.152	<1	1.37	0.005	0.42	0.2	0.01	2.5	0.3	<0.05	8	<0.5	<0.2
115192	Soil	11	21	0.34	298	0.061	<1	0.95	0.005	0.10	0.1	0.01	1.5	0.1	<0.05	5	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
115193	Soil	1.4	9.6	10.3	44	<0.1	13.9	5.6	207	2.50	9.5	0.5	2.4	4.5	9	<0.1	0.6	0.2	57	0.10	0.026
115194	Soil	0.8	16.2	9.2	55	<0.1	5.1	3.0	213	2.18	3.3	1.1	1.8	12.2	6	<0.1	0.2	0.1	33	0.06	0.029
115195	Soil	3.8	11.2	16.1	56	0.1	9.3	5.5	248	2.52	5.0	1.1	4.9	10.1	18	<0.1	0.3	0.5	40	0.18	0.036
115196	Soil	1.2	7.8	15.0	50	<0.1	11.3	6.5	250	2.20	6.5	0.5	3.3	5.3	10	<0.1	0.4	0.2	47	0.09	0.017
115197	Soil	1.6	8.4	9.3	54	<0.1	14.8	7.2	323	2.09	6.4	0.8	3.7	8.5	14	<0.1	0.4	0.1	39	0.17	0.035
115198	Soil	2.3	17.3	18.6	73	<0.1	67.6	15.9	573	3.52	4.1	0.7	1.3	6.7	20	<0.1	0.2	0.4	64	0.26	0.024
115199	Soil	1.1	18.7	9.3	49	<0.1	25.3	8.1	209	2.53	10.4	0.6	1.4	7.4	10	<0.1	0.6	0.1	48	0.11	0.012
115200	Soil	0.8	12.2	6.3	39	0.3	16.1	7.2	455	2.15	6.5	0.4	<0.5	4.4	12	<0.1	0.4	0.1	43	0.20	0.016
115201	Soil	0.8	15.8	7.9	72	0.1	17.9	13.4	429	3.66	5.7	0.8	1.9	7.5	10	<0.1	0.4	<0.1	77	0.16	0.023
115202	Soil	1.1	10.7	8.1	71	<0.1	12.1	6.2	327	2.60	5.0	1.6	0.5	9.4	8	<0.1	0.2	0.1	34	0.10	0.015
115203	Soil	2.0	27.7	14.8	71	<0.1	7.1	5.0	295	2.27	3.4	1.6	<0.5	14.5	8	<0.1	0.2	0.5	19	0.04	0.015
115204	Soil	1.1	15.2	8.3	47	<0.1	19.1	6.4	206	2.15	7.2	0.8	4.2	11.7	15	<0.1	0.6	0.1	41	0.22	0.027
115205	Soil	2.9	8.3	8.2	23	<0.1	17.3	2.8	146	1.72	8.6	1.4	<0.5	7.8	10	0.1	0.5	0.1	29	0.13	0.026
115206	Soil	0.8	33.7	10.9	221	<0.1	21.1	10.5	365	3.22	6.2	0.5	3.2	3.5	8	0.4	0.4	0.2	67	0.14	0.027
115207	Soil	0.9	29.9	8.5	71	0.2	17.7	8.5	293	2.81	7.8	0.5	3.6	2.6	9	0.1	0.4	0.1	60	0.15	0.037
115208	Soil	1.0	38.5	11.2	82	<0.1	12.6	11.7	344	3.17	4.2	0.8	3.2	3.4	12	<0.1	0.2	0.2	57	0.22	0.040
115209	Soil	0.6	50.6	6.3	94	<0.1	54.0	30.1	601	3.99	2.7	0.4	1.8	2.6	15	<0.1	0.2	<0.1	110	0.34	0.047
115210	Soil	1.5	67.1	4.3	54	<0.1	22.8	25.3	494	4.81	2.4	0.5	2.5	2.3	15	<0.1	0.1	<0.1	121	0.38	0.072
115211	Soil	1.1	21.9	7.9	83	0.1	25.2	17.8	710	3.77	3.8	0.7	2.6	5.3	15	<0.1	0.3	<0.1	86	0.38	0.059
115212	Soil	1.2	38.4	7.3	78	<0.1	16.2	11.0	399	3.14	4.9	1.0	5.6	3.8	15	<0.1	0.4	0.1	65	0.31	0.047
115213	Soil	1.7	12.5	0.9	35	<0.1	2.6	10.5	383	5.15	0.9	0.7	5.5	2.4	49	<0.1	0.1	<0.1	96	0.23	0.075
115214	Soil	18.1	111.8	6.2	15	1.3	4.7	3.9	86	3.81	3.1	1.2	113.4	4.6	26	<0.1	0.3	0.7	15	0.06	0.037
115215	Soil	1.9	22.7	4.1	75	<0.1	24.1	11.6	713	3.66	4.7	0.5	<0.5	3.3	5	<0.1	0.3	0.1	47	0.08	0.025
115216	Soil	1.0	20.6	9.5	51	<0.1	18.7	9.0	294	2.86	9.6	0.7	4.0	4.1	10	<0.1	0.5	0.1	61	0.10	0.021
115217	Soil	0.1	8.3	3.2	92	<0.1	2.8	4.7	1175	3.80	3.0	0.2	<0.5	0.5	16	<0.1	0.1	<0.1	49	0.94	0.250
115218	Soil	0.7	8.6	2.4	106	<0.1	6.7	7.0	758	4.43	4.0	0.4	<0.5	1.7	5	<0.1	0.3	<0.1	46	0.10	0.016
115219	Soil	0.6	12.0	2.6	94	<0.1	35.4	9.8	949	4.81	2.5	0.4	1.1	4.0	4	<0.1	0.2	0.3	79	0.08	0.023
115220	Soil	0.7	51.9	5.7	58	<0.1	20.6	10.4	405	3.53	5.8	0.4	1.9	2.1	22	<0.1	0.3	<0.1	87	0.16	0.020
115221	Soil	0.4	106.9	4.9	92	0.1	9.2	10.3	837	4.11	14.3	0.3	5.7	0.7	36	<0.1	0.2	<0.1	184	0.29	0.024
115222	Soil	0.7	25.4	5.0	56	<0.1	29.6	18.6	505	3.69	6.0	0.6	1.0	4.2	11	<0.1	0.3	0.1	88	0.17	0.021



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
115193	Soil	10	24	0.41	198	0.056	<1	1.34	0.004	0.10	0.2	0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
115194	Soil	20	11	0.70	130	0.129	<1	1.33	0.003	0.24	0.1	0.01	1.3	0.2	<0.05	8	<0.5	<0.2
115195	Soil	22	16	0.99	466	0.123	<1	1.50	0.005	0.39	0.1	0.01	1.5	0.2	<0.05	6	<0.5	<0.2
115196	Soil	11	24	0.51	399	0.078	<1	1.41	0.005	0.14	0.1	<0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
115197	Soil	13	24	0.74	370	0.072	<1	1.21	0.006	0.30	0.1	0.01	2.2	0.1	<0.05	6	<0.5	<0.2
115198	Soil	7	138	2.15	806	0.209	<1	2.66	0.008	0.95	0.2	<0.01	4.8	0.4	<0.05	12	<0.5	<0.2
115199	Soil	19	31	0.60	241	0.086	2	1.42	0.006	0.21	0.2	<0.01	2.8	0.1	<0.05	4	<0.5	<0.2
115200	Soil	11	23	0.50	509	0.080	<1	1.12	0.006	0.21	0.1	0.01	2.2	0.2	<0.05	4	<0.5	<0.2
115201	Soil	18	33	1.25	342	0.224	<1	2.06	0.007	0.93	0.2	<0.01	4.0	0.5	<0.05	8	<0.5	<0.2
115202	Soil	21	20	1.40	603	0.170	<1	1.80	0.007	0.89	0.1	<0.01	2.8	0.4	<0.05	8	<0.5	<0.2
115203	Soil	26	16	1.33	295	0.115	<1	1.51	0.005	0.78	<0.1	<0.01	1.8	0.5	<0.05	6	0.5	<0.2
115204	Soil	41	24	0.49	459	0.058	<1	1.14	0.008	0.09	0.2	0.11	2.4	<0.1	<0.05	4	0.5	<0.2
115205	Soil	15	21	0.14	209	0.046	1	0.56	0.003	0.12	0.1	0.03	1.0	0.2	<0.05	5	<0.5	<0.2
115206	Soil	14	37	1.29	304	0.128	2	2.38	0.009	0.35	0.2	0.01	5.8	0.2	<0.05	8	<0.5	<0.2
115207	Soil	10	29	0.67	212	0.084	<1	1.82	0.008	0.16	0.2	0.03	3.0	0.2	<0.05	6	<0.5	<0.2
115208	Soil	13	22	1.15	383	0.101	<1	2.19	0.012	0.51	<0.1	<0.01	5.6	0.2	<0.05	7	0.8	<0.2
115209	Soil	18	123	2.54	702	0.160	<1	3.41	0.015	1.12	<0.1	<0.01	10.5	0.5	<0.05	9	0.7	<0.2
115210	Soil	10	29	2.31	540	0.131	<1	3.19	0.017	0.77	<0.1	<0.01	8.4	0.3	<0.05	10	0.9	0.3
115211	Soil	10	130	2.02	808	0.203	<1	2.80	0.012	0.96	<0.1	0.04	7.4	0.3	<0.05	10	<0.5	<0.2
115212	Soil	17	34	1.17	430	0.114	<1	2.08	0.009	0.23	<0.1	0.04	5.7	0.1	<0.05	6	0.9	<0.2
115213	Soil	12	3	1.36	619	0.147	<1	1.96	0.021	0.91	<0.1	<0.01	8.9	0.2	0.18	9	0.9	0.3
115214	Soil	7	9	0.13	235	0.028	<1	0.55	0.081	0.27	<0.1	0.03	2.3	0.2	0.74	2	4.3	0.5
115215	Soil	6	102	1.15	175	0.119	<1	2.48	0.005	0.43	<0.1	0.01	5.5	0.3	<0.05	7	0.6	<0.2
115216	Soil	13	30	0.58	228	0.077	<1	1.92	0.007	0.09	0.1	0.02	3.8	<0.1	<0.05	6	0.6	<0.2
115217	Soil	7	2	1.21	268	0.112	<1	2.19	0.011	0.62	<0.1	<0.01	7.1	0.3	<0.05	8	0.7	<0.2
115218	Soil	15	10	1.17	313	0.221	<1	2.47	0.007	0.72	0.2	<0.01	9.6	0.4	<0.05	10	<0.5	<0.2
115219	Soil	14	230	1.92	195	0.236	<1	2.95	0.007	1.24	<0.1	<0.01	8.6	0.8	<0.05	9	0.7	<0.2
115220	Soil	8	28	1.33	335	0.145	<1	2.25	0.012	0.35	<0.1	<0.01	3.6	0.2	<0.05	6	<0.5	<0.2
115221	Soil	6	18	2.07	447	0.244	<1	3.25	0.020	1.36	<0.1	0.02	6.3	0.5	<0.05	8	0.6	<0.2
115222	Soil	11	97	1.94	466	0.237	<1	3.08	0.008	0.90	0.2	<0.01	4.8	0.4	<0.05	9	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
115223	Soil	0.8	56.5	5.1	80	<0.1	18.1	11.7	591	3.88	10.6	0.8	0.9	5.4	9	<0.1	0.4	0.1	91	0.14	0.017
115224	Soil	1.1	22.7	4.5	61	0.1	12.2	14.3	413	3.65	4.5	0.3	<0.5	1.9	6	<0.1	0.2	0.1	72	0.21	0.087
115225	Soil	0.8	18.7	5.4	73	<0.1	21.7	12.8	711	3.35	4.8	0.4	<0.5	3.7	9	<0.1	0.2	0.1	71	0.15	0.022
115226	Soil	1.2	368.1	5.3	371	0.4	13.3	14.9	605	6.52	10.4	1.0	3.4	1.2	20	0.4	0.2	1.1	144	0.12	0.036
115227	Soil	1.2	80.4	4.9	109	0.1	8.4	7.5	427	4.18	4.1	0.5	<0.5	1.8	5	<0.1	0.2	0.2	88	0.09	0.040
115228	Soil	1.2	23.8	8.9	84	0.2	29.2	10.4	490	2.88	8.8	0.7	0.8	7.3	9	<0.1	0.5	0.2	65	0.10	0.019
115229	Soil	1.4	41.2	7.7	59	0.1	16.2	9.4	332	3.53	7.0	0.6	<0.5	3.3	10	<0.1	0.3	0.2	62	0.16	0.022
115230	Soil	1.3	11.7	6.5	51	<0.1	14.4	8.5	353	3.32	6.7	0.5	<0.5	6.0	8	<0.1	0.3	0.1	81	0.10	0.034
115231	Soil	1.5	15.4	8.4	46	<0.1	15.4	6.9	190	2.50	9.0	0.7	<0.5	5.9	5	0.1	0.5	0.2	38	0.06	0.046
115232	Soil	0.8	26.5	7.1	58	<0.1	29.5	11.5	261	2.86	9.1	0.5	1.3	8.7	11	0.1	0.5	0.1	57	0.14	0.020
115233	Soil	0.5	6.5	3.9	26	<0.1	12.2	7.0	413	3.42	1.3	1.0	<0.5	19.2	10	<0.1	0.2	0.2	52	0.23	0.059
115234	Soil	1.5	32.3	10.7	129	<0.1	11.8	8.5	341	3.30	3.0	0.8	<0.5	8.2	4	0.2	0.2	0.5	35	0.05	0.019
115235	Soil	0.7	18.0	8.6	52	<0.1	19.1	9.8	220	2.87	11.4	0.6	5.0	4.8	9	0.2	0.6	0.2	44	0.08	0.017
115236	Soil	0.9	25.5	9.1	53	<0.1	17.8	9.1	239	2.94	10.8	1.5	0.8	7.9	11	<0.1	0.5	0.2	50	0.11	0.022
115237	Soil	0.9	33.7	22.1	114	<0.1	17.7	7.9	224	2.55	11.5	2.1	1.2	10.4	12	<0.1	0.6	0.2	45	0.10	0.014
115238	Soil	1.2	33.7	13.3	71	<0.1	13.9	7.5	336	3.32	21.6	2.1	4.8	10.9	14	0.1	1.0	0.6	57	0.08	0.019
115239	Soil	1.1	29.8	9.5	66	<0.1	20.1	8.6	384	3.05	9.4	2.8	2.3	10.2	12	<0.1	0.5	0.2	53	0.12	0.025
115240	Soil	1.3	26.5	8.5	78	<0.1	18.5	8.8	469	3.17	8.1	2.8	2.4	11.0	13	<0.1	0.5	0.2	57	0.16	0.033
115241	Soil	0.7	10.6	6.3	45	<0.1	11.2	6.9	332	2.88	4.3	2.3	0.6	8.5	10	<0.1	0.3	0.1	38	0.13	0.035
115242	Soil	1.2	8.9	8.7	52	<0.1	8.6	3.4	231	1.99	6.5	0.9	2.1	7.8	11	0.2	0.4	0.3	33	0.11	0.053
115243	Soil	1.4	16.9	8.8	54	<0.1	17.3	7.5	214	2.47	9.5	1.1	1.7	11.3	9	<0.1	0.6	0.4	40	0.08	0.017
115244	Soil	1.1	13.1	7.9	44	<0.1	9.8	3.4	166	1.81	5.2	1.2	2.7	11.3	7	<0.1	0.4	0.2	30	0.06	0.010
115245	Soil	1.4	12.0	7.2	56	<0.1	11.8	6.2	380	2.93	8.2	1.1	<0.5	7.1	9	<0.1	0.5	0.2	41	0.08	0.026
115246	Soil	1.2	9.6	8.0	39	<0.1	9.9	6.8	367	2.63	6.2	1.1	0.9	7.4	10	<0.1	0.3	0.2	37	0.09	0.033
115247	Soil	2.4	11.3	4.1	54	<0.1	6.7	3.7	432	2.95	1.7	1.9	<0.5	12.0	8	<0.1	0.2	0.6	17	0.04	0.026
115248	Soil	1.1	14.2	7.7	47	<0.1	13.6	5.8	224	2.37	7.3	1.4	3.4	8.2	11	<0.1	0.4	0.2	41	0.10	0.015
115249	Soil	1.2	18.2	8.2	51	<0.1	17.1	6.5	203	2.54	7.8	1.2	2.4	8.0	11	<0.1	0.5	0.2	41	0.09	0.015
115250	Soil	1.3	14.5	5.6	46	<0.1	12.6	6.4	351	2.55	4.5	2.4	1.2	11.1	10	<0.1	0.3	0.3	31	0.10	0.019
115251	Soil	1.0	16.6	6.1	46	<0.1	15.3	6.5	294	2.41	5.0	1.2	1.9	9.9	11	<0.1	0.5	0.2	34	0.12	0.026
115252	Soil	0.8	28.5	7.7	52	<0.1	22.3	9.5	421	2.39	8.7	1.4	1.4	6.0	21	<0.1	0.7	0.2	42	0.28	0.040



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
115223	Soil	18	33	1.31	343	0.223	<1	2.52	0.009	0.81	0.1	<0.01	4.6	0.5	<0.05	8	<0.5
115224	Soil	6	24	1.21	415	0.161	<1	2.35	0.009	0.50	0.1	0.01	5.5	0.1	<0.05	9	0.7
115225	Soil	9	161	1.76	309	0.222	<1	2.64	0.007	0.70	0.1	<0.01	2.9	0.6	<0.05	8	<0.5
115226	Soil	11	19	1.16	298	0.193	<1	2.34	0.035	1.21	<0.1	0.05	15.0	0.5	0.54	12	0.8
115227	Soil	5	12	1.44	306	0.195	<1	2.51	0.010	1.08	<0.1	<0.01	7.3	0.3	<0.05	10	<0.5
115228	Soil	16	61	0.76	246	0.092	<1	2.09	0.007	0.15	0.1	0.01	3.2	0.1	<0.05	6	<0.5
115229	Soil	10	40	0.92	397	0.118	<1	2.07	0.007	0.27	0.1	0.01	5.5	0.2	<0.05	7	<0.5
115230	Soil	8	40	1.05	384	0.174	<1	1.86	0.007	0.55	0.2	<0.01	4.7	0.3	<0.05	9	<0.5
115231	Soil	6	19	0.38	191	0.057	<1	1.54	0.005	0.09	0.2	<0.01	2.4	<0.1	<0.05	5	<0.5
115232	Soil	39	41	0.85	337	0.114	<1	1.98	0.008	0.21	0.1	0.01	3.7	0.1	<0.05	6	<0.5
115233	Soil	113	27	1.45	471	0.241	<1	2.16	0.007	1.20	0.1	<0.01	7.0	0.5	<0.05	10	<0.5
115234	Soil	13	21	0.99	270	0.189	<1	1.93	0.006	0.69	0.1	<0.01	4.3	0.4	<0.05	8	<0.5
115235	Soil	12	26	0.71	221	0.104	<1	1.95	0.006	0.23	0.1	<0.01	4.3	0.2	<0.05	5	<0.5
115236	Soil	27	29	0.59	263	0.086	<1	1.67	0.007	0.16	0.2	0.01	4.1	0.2	<0.05	5	<0.5
115237	Soil	37	29	0.50	254	0.069	<1	1.71	0.007	0.08	0.1	0.03	4.3	0.1	<0.05	5	<0.5
115238	Soil	44	25	0.57	257	0.124	<1	1.81	0.007	0.31	0.1	0.02	4.7	0.4	<0.05	6	<0.5
115239	Soil	47	31	0.84	319	0.109	2	1.90	0.008	0.30	0.1	0.02	4.6	0.2	<0.05	6	<0.5
115240	Soil	57	31	1.12	408	0.149	<1	2.05	0.009	0.53	0.2	0.02	4.7	0.3	<0.05	7	<0.5
115241	Soil	37	23	1.00	268	0.172	<1	2.06	0.007	0.59	0.1	<0.01	3.5	0.3	<0.05	8	<0.5
115242	Soil	30	15	0.36	181	0.042	<1	1.06	0.005	0.11	0.1	0.01	1.2	0.1	<0.05	5	<0.5
115243	Soil	21	24	0.49	248	0.058	<1	1.69	0.008	0.09	0.1	0.04	2.6	0.1	<0.05	5	<0.5
115244	Soil	39	17	0.44	206	0.055	<1	1.20	0.005	0.08	<0.1	<0.01	1.9	0.1	<0.05	4	<0.5
115245	Soil	24	21	0.79	328	0.127	<1	1.60	0.005	0.27	0.2	0.01	2.1	0.2	<0.05	6	<0.5
115246	Soil	14	18	0.86	254	0.134	<1	1.55	0.006	0.48	<0.1	<0.01	1.6	0.3	<0.05	6	<0.5
115247	Soil	64	13	1.41	458	0.159	<1	1.99	0.010	1.01	<0.1	<0.01	1.7	0.7	0.12	7	<0.5
115248	Soil	22	24	0.52	236	0.069	<1	1.44	0.007	0.07	0.1	0.01	2.4	0.1	<0.05	5	<0.5
115249	Soil	19	23	0.55	234	0.078	<1	1.53	0.006	0.11	0.2	0.01	2.0	0.1	<0.05	5	<0.5
115250	Soil	35	21	0.94	351	0.119	<1	1.51	0.007	0.47	<0.1	<0.01	2.6	0.3	<0.05	5	<0.5
115251	Soil	30	22	0.83	315	0.116	<1	1.48	0.009	0.39	0.2	0.01	3.0	0.2	<0.05	5	<0.5
115252	Soil	20	25	0.51	374	0.064	<1	1.31	0.012	0.06	0.2	0.03	3.6	<0.1	<0.05	4	<0.5



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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
115253	Soil	0.7	21.7	6.8	49	<0.1	19.1	6.8	268	2.30	7.2	1.0	2.4	6.0	21	<0.1	0.5	0.1	38	0.31	0.046
115254	Soil	1.1	15.8	9.6	48	<0.1	23.1	9.3	231	2.97	10.4	0.5	4.6	4.6	9	<0.1	0.6	0.2	51	0.10	0.017
115255	Soil	1.6	8.8	7.2	53	<0.1	10.5	4.9	271	2.63	8.7	0.4	2.8	7.0	8	<0.1	0.6	0.2	42	0.08	0.022
115256	Soil	0.9	15.6	6.6	45	<0.1	16.6	7.3	320	2.76	7.5	0.7	1.8	9.1	9	<0.1	0.5	0.2	37	0.10	0.021
115257	Soil	1.2	13.9	8.8	44	<0.1	16.1	7.9	227	2.71	9.8	0.5	1.1	5.8	13	<0.1	0.6	0.2	43	0.15	0.026
115258	Soil	1.2	18.0	6.7	38	<0.1	10.0	5.0	224	2.37	3.6	1.5	0.9	13.2	7	<0.1	0.5	0.2	21	0.07	0.008
115259	Soil	1.5	32.2	28.3	135	0.3	80.8	15.8	504	4.73	7.6	2.2	1.2	14.2	10	0.1	0.4	0.2	35	0.15	0.031
115260	Soil	1.2	39.6	6.2	51	1.1	47.3	6.1	2179	1.31	4.7	1.1	7.7	3.8	9	0.4	0.6	<0.1	31	0.36	0.044
115261	Soil	2.5	15.8	4.3	68	1.1	27.4	2.0	662	0.84	8.7	0.6	2.4	0.7	29	0.4	0.6	<0.1	24	9.05	0.090
115262	Soil	0.3	3.8	2.2	13	0.2	9.0	1.5	847	0.32	3.4	0.4	0.5	0.2	42	0.2	0.1	<0.1	7	12.64	0.100
115263	Soil	0.5	16.7	6.5	88	0.3	30.1	7.9	321	2.44	6.6	1.0	1.6	6.6	51	0.2	0.2	<0.1	67	4.51	0.038
115264	Soil	1.1	39.4	7.6	81	0.4	42.2	10.6	542	2.06	20.8	0.9	1.6	3.4	9	0.1	0.8	0.1	65	0.32	0.014
115265	Soil	1.5	18.8	13.6	165	0.9	43.6	16.2	2287	3.11	4.1	0.8	0.5	2.6	10	0.4	0.3	0.2	53	0.14	0.071
115266	Soil	0.8	20.6	9.1	74	0.3	35.4	7.8	233	2.46	7.4	0.8	0.6	4.7	14	<0.1	0.5	0.2	56	0.24	0.016
115267	Soil	0.4	81.9	5.0	65	<0.1	55.9	14.6	483	1.56	5.9	0.6	1.1	2.0	10	<0.1	0.3	0.1	99	0.24	0.018
115268	Soil	0.3	38.3	6.1	86	0.3	31.8	7.0	185	1.82	1.1	0.2	2.2	0.9	8	0.2	0.2	0.1	56	0.13	0.062
115269	Soil	0.5	69.3	10.5	131	0.2	70.4	10.3	173	1.52	2.5	0.6	0.5	1.7	7	<0.1	0.2	0.2	58	0.08	0.012
115270	Soil	1.0	53.2	13.5	470	0.5	189.9	8.7	2781	3.64	33.2	3.7	9.5	9.6	6	1.6	1.5	0.2	58	0.21	0.160
115271	Soil	1.1	111.8	9.6	113	0.2	55.6	17.2	767	2.72	4.4	0.5	0.9	3.1	11	<0.1	0.3	0.4	45	0.14	0.055
115272	Soil	1.5	23.8	12.4	72	0.3	23.0	10.3	704	3.04	13.3	0.6	1.5	3.1	12	0.2	0.6	0.2	59	0.10	0.049
115273	Soil	0.2	19.9	11.9	88	<0.1	8.3	4.4	407	2.59	2.0	0.7	2.3	10.2	9	<0.1	0.1	0.3	14	0.19	0.019
115274	Soil	0.6	17.8	26.8	127	<0.1	56.1	10.3	234	3.63	5.3	0.8	<0.5	7.5	15	<0.1	0.2	0.7	75	0.22	0.024
115275	Soil	1.0	33.8	12.7	75	0.1	34.4	12.2	294	3.25	12.5	1.3	2.7	10.7	11	<0.1	0.8	0.3	56	0.08	0.020
115276	Soil	1.0	30.6	10.3	62	0.1	26.0	9.6	292	2.85	10.8	1.0	3.1	6.4	13	<0.1	0.7	0.2	54	0.13	0.020
115277	Soil	0.5	19.6	8.3	131	<0.1	46.9	11.6	158	3.30	19.1	0.7	<0.5	8.0	11	<0.1	4.2	0.2	52	0.39	0.042
115278	Soil	0.6	31.9	12.1	141	<0.1	58.2	14.4	150	3.30	6.7	1.6	2.1	11.9	24	0.1	4.1	0.2	51	0.42	0.039
115279	Soil	0.2	53.3	11.7	123	0.1	54.5	13.7	267	3.14	0.8	1.1	<0.5	12.9	46	<0.1	0.1	0.2	54	0.62	0.055
115280	Soil	0.7	29.3	15.2	142	<0.1	60.7	18.5	488	4.84	2.3	1.1	<0.5	10.5	18	0.2	0.1	0.1	78	0.25	0.050
115281	Soil	0.3	27.5	15.8	150	<0.1	39.7	11.9	312	2.98	8.5	2.8	1.0	13.0	17	<0.1	0.8	0.3	42	0.24	0.029
115282	Soil	0.5	20.2	20.7	83	<0.1	25.9	13.1	505	4.00	4.7	1.1	<0.5	15.0	9	<0.1	0.5	0.3	37	0.12	0.025



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
115253	Soil	20	23	0.59	337	0.081	<1	1.26	0.016	0.10	0.2	0.02	3.1	0.1	<0.05	4	<0.5	<0.2
115254	Soil	10	30	0.53	286	0.071	<1	1.78	0.007	0.13	0.1	0.01	2.2	0.1	<0.05	5	<0.5	<0.2
115255	Soil	13	19	0.64	197	0.096	<1	1.48	0.005	0.22	0.2	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
115256	Soil	23	24	0.72	412	0.108	<1	1.64	0.006	0.34	0.1	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
115257	Soil	11	26	0.55	309	0.068	<1	1.63	0.006	0.17	0.1	<0.01	2.5	0.1	<0.05	5	<0.5	<0.2
115258	Soil	47	14	0.81	415	0.094	<1	1.52	0.005	0.36	<0.1	0.03	2.7	0.3	<0.05	5	<0.5	<0.2
115259	Soil	23	29	0.50	187	0.020	<1	1.89	0.003	0.07	<0.1	0.01	3.6	<0.1	<0.05	3	2.2	<0.2
115260	Soil	45	21	1.30	1853	0.042	<1	1.35	0.003	0.02	0.3	0.06	4.5	0.2	<0.05	4	<0.5	<0.2
115261	Soil	9	31	4.31	68	0.021	<1	0.84	0.004	0.02	0.3	0.08	1.9	1.0	<0.05	2	<0.5	<0.2
115262	Soil	5	10	6.31	60	0.005	<1	0.30	0.004	0.01	0.1	0.03	0.5	0.1	<0.05	<1	<0.5	<0.2
115263	Soil	19	47	1.14	553	0.090	<1	3.10	0.092	0.26	0.2	0.02	4.8	0.5	<0.05	9	<0.5	<0.2
115264	Soil	10	27	0.64	220	0.044	<1	1.51	0.003	0.05	0.1	<0.01	4.3	0.4	<0.05	4	<0.5	<0.2
115265	Soil	19	30	0.41	269	0.049	<1	1.59	0.007	0.10	<0.1	0.02	2.0	0.1	<0.05	6	<0.5	<0.2
115266	Soil	18	31	0.58	328	0.044	<1	1.86	0.007	0.04	<0.1	0.01	3.3	0.2	<0.05	5	<0.5	<0.2
115267	Soil	7	36	1.26	274	0.067	<1	1.78	0.005	0.03	0.1	<0.01	5.4	0.2	<0.05	6	<0.5	<0.2
115268	Soil	2	25	0.90	676	0.127	<1	1.43	0.003	0.28	<0.1	0.01	2.5	0.1	<0.05	5	<0.5	<0.2
115269	Soil	10	20	1.04	1199	0.093	<1	1.62	0.006	0.25	<0.1	<0.01	2.8	0.1	<0.05	5	<0.5	<0.2
115270	Soil	48	38	0.51	380	0.014	<1	1.23	0.002	0.04	0.3	0.07	7.1	1.6	<0.05	3	1.1	<0.2
115271	Soil	8	18	1.30	898	0.072	<1	2.38	0.008	0.27	<0.1	<0.01	3.9	0.3	<0.05	7	<0.5	<0.2
115272	Soil	11	31	0.43	315	0.042	1	1.87	0.005	0.07	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
115273	Soil	35	5	1.41	272	0.095	<1	1.98	0.005	0.80	<0.1	0.01	2.8	0.3	<0.05	6	<0.5	<0.2
115274	Soil	9	123	1.16	247	0.059	<1	2.88	0.003	0.29	<0.1	0.01	4.6	0.3	<0.05	8	<0.5	<0.2
115275	Soil	26	35	0.35	253	0.034	<1	1.70	0.003	0.06	<0.1	0.03	5.2	0.2	<0.05	4	0.6	<0.2
115276	Soil	18	32	0.45	279	0.047	<1	1.67	0.006	0.05	0.1	0.04	4.9	0.1	<0.05	5	<0.5	<0.2
115277	Soil	19	48	0.98	140	0.061	1	2.23	0.004	0.26	<0.1	0.01	3.3	0.2	<0.05	5	<0.5	<0.2
115278	Soil	52	46	0.82	278	0.052	1	1.92	0.005	0.27	<0.1	0.02	4.2	0.4	<0.05	5	<0.5	<0.2
115279	Soil	45	56	0.98	423	0.051	<1	2.52	0.007	0.21	<0.1	0.02	4.6	0.2	<0.05	6	<0.5	<0.2
115280	Soil	11	66	1.34	683	0.198	<1	4.70	0.011	1.05	<0.1	0.02	2.8	0.7	<0.05	10	<0.5	<0.2
115281	Soil	42	49	0.56	266	0.020	<1	1.55	0.003	0.19	<0.1	0.03	6.7	0.4	<0.05	4	<0.5	<0.2
115282	Soil	27	29	0.59	161	0.055	<1	1.95	0.004	0.38	<0.1	0.01	3.7	0.3	<0.05	6	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
115283	Soil	1.5	34.9	14.1	58	0.6	28.9	11.3	404	3.30	15.3	2.1	3.0	7.2	13	<0.1	0.8	0.3	72	0.10	0.021
115284	Soil	1.9	60.0	22.2	153	0.5	59.5	19.0	1384	5.88	104.3	1.4	3.2	11.5	25	0.4	10.5	0.3	82	0.70	0.090
115285	Soil	1.7	51.3	22.7	112	0.2	36.5	12.7	425	3.28	31.1	1.9	3.8	6.0	25	0.3	7.5	0.3	65	0.13	0.031
115286	Soil	2.0	46.4	13.3	87	0.3	31.0	11.8	225	2.88	13.3	1.4	2.1	6.9	19	0.3	4.0	0.3	58	0.07	0.024
115287	Soil	1.4	32.2	12.9	66	0.1	27.0	11.5	280	2.89	17.1	1.1	4.4	6.7	16	0.2	3.3	0.2	63	0.11	0.018
115288	Soil	2.1	30.6	13.7	60	<0.1	22.6	8.2	316	2.71	37.3	1.1	2.0	4.7	19	0.2	10.2	0.3	54	0.09	0.034
115289	Soil	1.6	20.0	16.9	42	0.2	12.7	5.1	188	2.48	35.0	0.9	2.5	3.1	14	0.2	6.2	0.3	63	0.09	0.037
115290	Soil	1.9	32.5	18.7	54	<0.1	17.3	7.1	215	2.83	55.8	1.3	2.3	4.0	19	0.3	14.8	0.3	59	0.07	0.040
115291	Soil	1.1	34.1	17.2	75	0.1	34.5	13.2	473	3.32	17.1	1.8	5.6	9.6	11	0.2	1.2	0.3	62	0.14	0.042
115292	Soil	0.7	37.4	25.9	75	<0.1	28.0	11.6	286	3.08	13.5	1.4	4.9	8.9	13	0.5	1.3	0.2	60	0.17	0.053
115293	Soil	1.2	19.0	18.4	58	<0.1	19.5	8.7	213	3.10	22.5	1.3	2.9	16.1	9	0.1	1.0	0.4	52	0.09	0.034
115294	Soil	1.2	7.7	10.3	81	<0.1	12.1	10.5	923	3.07	4.1	0.9	1.8	6.5	11	0.1	0.3	0.1	51	0.18	0.126
115295	Soil	1.2	27.8	12.4	53	0.1	28.4	11.7	293	3.04	11.7	0.7	1.1	8.0	12	0.1	0.8	0.2	58	0.13	0.025
115296	Soil	1.0	8.4	13.8	61	<0.1	13.2	6.5	297	3.22	8.5	0.5	0.9	4.0	12	0.1	0.6	0.3	74	0.15	0.039
115297	Soil	1.3	13.4	13.8	101	0.1	16.2	14.2	854	3.41	9.5	0.9	0.7	7.0	12	0.2	0.7	0.3	70	0.15	0.061
115298	Soil	1.3	9.2	12.4	66	0.1	14.7	9.1	289	3.10	8.4	0.4	0.6	3.7	12	0.2	0.7	0.3	70	0.14	0.072
115299	Soil	0.5	8.7	23.5	133	<0.1	18.4	13.3	486	4.99	5.4	2.4	0.6	21.8	9	0.1	0.3	0.1	59	0.18	0.051
115300	Soil	1.4	18.5	9.4	57	0.1	20.9	9.8	293	2.81	8.0	0.4	1.8	2.6	11	0.1	0.5	0.2	71	0.16	0.030
115301	Soil	1.5	20.2	11.5	89	0.3	22.2	12.1	357	3.67	6.9	0.5	<0.5	3.2	15	0.2	0.6	0.2	85	0.24	0.079
115302	Soil	2.0	31.1	10.5	124	1.1	32.5	13.2	224	3.52	9.9	0.8	0.8	3.7	15	0.3	1.2	0.2	90	0.12	0.047
115303	Soil	0.6	47.7	3.2	24	0.3	30.3	8.2	109	1.36	4.0	0.1	<0.5	0.7	4	<0.1	0.2	<0.1	33	0.12	0.016
115304	Soil	3.8	53.6	13.0	211	0.9	47.7	10.9	272	3.58	45.4	1.0	4.4	4.6	7	0.6	8.0	0.3	116	0.05	0.020
115305	Soil	2.3	52.9	12.2	79	0.1	35.6	11.7	479	3.19	10.4	0.9	0.8	6.2	8	0.1	1.2	0.2	68	0.10	0.028
115306	Soil	2.1	29.2	11.4	77	0.5	27.9	9.8	258	3.05	18.5	1.2	5.3	4.9	14	0.2	4.1	0.2	66	0.09	0.018
115307	Soil	2.1	80.0	15.2	180	<0.1	102.4	6.7	520	3.66	25.7	3.8	2.0	16.2	9	0.4	2.1	0.2	44	0.12	0.049
115308	Soil	1.2	9.3	11.6	130	<0.1	28.3	11.5	731	3.45	5.0	1.6	1.7	32.9	8	0.2	1.0	0.1	47	0.13	0.072
115309	Soil	1.2	11.0	12.6	54	<0.1	13.8	6.1	238	2.99	9.7	0.4	1.8	4.6	7	0.1	0.5	0.2	65	0.07	0.033
115310	Soil	0.9	18.0	13.5	159	<0.1	57.0	13.8	559	3.47	5.4	1.7	1.5	26.2	8	0.3	0.3	<0.1	43	0.10	0.027
115311	Soil	1.2	25.6	10.6	119	<0.1	41.5	9.5	511	3.91	20.8	0.9	1.5	8.8	7	0.1	0.7	0.2	54	0.09	0.036
115312	Soil	1.4	15.5	11.0	82	0.2	24.4	10.5	362	3.21	11.7	0.5	2.1	4.2	9	0.2	0.7	0.2	73	0.09	0.042



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
115283	Soil	16	47	0.43	291	0.068	<1	2.38	0.008	0.05	0.1	0.04	6.1	0.2	<0.05	6	<0.5	<0.2
115284	Soil	31	50	0.47	297	0.029	3	1.58	0.006	0.08	0.1	0.42	11.3	0.4	<0.05	5	0.7	<0.2
115285	Soil	16	33	0.32	319	0.059	<1	1.59	0.006	0.05	0.1	0.25	5.7	0.3	<0.05	5	1.2	<0.2
115286	Soil	16	33	0.33	197	0.049	<1	1.64	0.009	0.06	0.1	0.11	4.7	0.3	<0.05	4	1.0	<0.2
115287	Soil	18	38	0.46	201	0.073	<1	2.10	0.007	0.05	0.1	0.09	4.8	0.2	<0.05	5	0.8	<0.2
115288	Soil	15	31	0.31	151	0.035	<1	1.46	0.005	0.05	0.2	0.18	2.9	0.2	<0.05	4	1.2	<0.2
115289	Soil	13	25	0.26	127	0.051	<1	1.16	0.004	0.05	0.1	0.09	2.6	0.2	<0.05	6	0.6	<0.2
115290	Soil	15	28	0.24	135	0.043	<1	1.10	0.004	0.06	0.1	0.10	3.4	0.2	<0.05	4	0.8	<0.2
115291	Soil	27	74	0.54	179	0.069	2	1.81	0.005	0.09	0.1	0.11	5.2	0.2	<0.05	5	<0.5	<0.2
115292	Soil	25	40	0.57	184	0.091	1	1.81	0.007	0.17	0.1	0.06	4.5	0.2	<0.05	6	<0.5	<0.2
115293	Soil	26	32	0.39	160	0.053	<1	2.35	0.005	0.11	0.3	0.07	3.7	0.2	<0.05	6	<0.5	<0.2
115294	Soil	11	26	0.54	138	0.114	<1	1.70	0.005	0.46	0.1	0.02	3.5	0.5	<0.05	9	<0.5	<0.2
115295	Soil	12	37	0.53	259	0.064	<1	2.67	0.009	0.13	0.1	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
115296	Soil	11	27	0.39	166	0.065	<1	1.74	0.005	0.10	0.1	0.01	2.5	0.2	<0.05	8	<0.5	<0.2
115297	Soil	11	30	0.51	225	0.103	<1	2.24	0.007	0.29	0.2	0.03	3.4	0.4	<0.05	9	<0.5	<0.2
115298	Soil	10	27	0.37	167	0.051	<1	1.77	0.004	0.08	0.1	0.03	2.2	0.2	<0.05	7	<0.5	<0.2
115299	Soil	26	28	0.97	228	0.237	<1	3.52	0.007	1.22	0.2	0.02	7.5	1.4	<0.05	16	<0.5	<0.2
115300	Soil	7	46	0.39	219	0.055	<1	2.02	0.008	0.04	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
115301	Soil	9	58	0.77	524	0.121	<1	2.32	0.009	0.27	0.2	0.02	3.0	0.1	<0.05	8	<0.5	<0.2
115302	Soil	12	44	0.59	360	0.075	<1	2.33	0.006	0.09	0.1	0.03	2.6	0.2	<0.05	7	0.7	<0.2
115303	Soil	2	42	0.39	105	0.042	<1	0.97	0.008	0.03	<0.1	<0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
115304	Soil	13	44	0.49	210	0.059	<1	1.78	0.005	0.04	0.1	0.05	4.9	0.6	<0.05	5	<0.5	<0.2
115305	Soil	19	39	0.82	279	0.085	2	2.16	0.003	0.18	0.1	0.02	3.9	0.3	<0.05	6	<0.5	<0.2
115306	Soil	15	37	0.43	317	0.043	<1	2.10	0.006	0.04	0.1	0.06	4.4	0.2	<0.05	5	<0.5	<0.2
115307	Soil	274	40	0.50	280	0.042	<1	0.96	0.002	0.22	<0.1	0.03	9.5	0.2	<0.05	3	<0.5	<0.2
115308	Soil	52	34	0.89	153	0.151	<1	2.22	0.005	0.83	0.1	<0.01	5.2	0.7	<0.05	9	<0.5	<0.2
115309	Soil	11	27	0.31	119	0.057	<1	1.64	0.004	0.04	0.1	0.01	2.1	0.1	<0.05	7	<0.5	<0.2
115310	Soil	26	41	0.92	174	0.155	1	2.54	0.005	0.73	0.3	0.02	4.0	0.7	<0.05	9	<0.5	<0.2
115311	Soil	8	44	1.14	243	0.176	<1	2.63	0.004	0.54	0.2	0.01	4.0	0.5	<0.05	9	<0.5	<0.2
115312	Soil	10	34	0.43	328	0.045	<1	2.39	0.006	0.04	0.2	0.04	2.6	0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
115313	Soil	1.4	45.0	8.8	109	<0.1	85.5	14.7	381	3.98	7.1	0.4	0.8	3.0	5	0.3	0.6	0.1	112	0.08	0.037
115314	Soil	1.1	26.9	10.1	47	0.2	19.5	7.7	174	2.45	7.6	1.4	5.3	4.7	11	0.4	0.5	0.2	55	0.11	0.042
115315	Soil	1.7	31.4	10.8	58	0.3	25.2	11.0	273	2.83	9.3	1.6	4.9	5.4	13	0.3	0.6	0.2	59	0.13	0.062
115316	Soil	2.6	42.5	11.8	91	0.2	15.3	5.2	263	2.84	6.1	1.3	0.8	6.6	23	0.4	0.6	0.2	74	0.05	0.058
115317	Soil	3.1	37.3	12.6	127	0.1	40.1	13.6	461	3.26	23.3	1.2	3.7	4.4	9	0.3	2.2	0.3	62	0.05	0.040
115318	Soil	0.8	30.0	12.5	92	<0.1	41.2	14.4	460	3.12	6.0	1.8	1.4	17.3	12	0.2	0.5	0.2	32	0.14	0.037
115319	Soil	3.0	48.4	9.9	87	0.1	23.1	9.2	251	3.13	9.7	1.5	2.7	6.5	12	0.2	0.8	0.2	73	0.07	0.039
115320	Soil	4.9	51.6	10.7	84	<0.1	24.8	7.7	321	2.59	22.8	2.2	1.5	2.1	13	0.2	3.4	0.3	26	0.02	0.041
115321	Soil	3.4	28.0	10.9	65	<0.1	19.8	7.9	235	3.04	14.1	0.9	0.8	4.9	8	0.1	1.0	0.4	54	0.06	0.031
115322	Soil	2.0	40.1	9.7	121	0.1	41.4	14.1	470	3.52	19.8	1.4	5.1	5.7	10	0.3	1.2	0.3	52	0.09	0.038
115323	Soil	1.5	34.3	10.8	79	<0.1	25.8	9.8	282	2.75	19.8	1.0	3.2	4.4	13	0.1	0.8	0.2	60	0.11	0.023
115324	Soil	1.5	32.4	10.5	73	0.1	25.6	9.3	269	2.69	15.0	1.3	2.9	4.2	11	0.2	0.6	0.2	58	0.10	0.036
115325	Soil	1.9	53.8	10.6	98	0.2	36.9	14.8	598	3.19	14.3	2.0	5.4	5.3	20	0.2	0.9	0.2	68	0.18	0.033
115326	Soil	2.3	21.1	12.0	103	0.7	18.0	4.9	206	2.68	12.4	0.5	1.5	2.6	10	0.9	0.7	0.2	85	0.07	0.039
115327	Soil	1.8	19.6	19.5	84	<0.1	27.4	8.2	300	2.68	8.0	1.3	0.6	11.9	6	<0.1	0.4	0.3	33	0.07	0.015
115328	Soil	0.9	40.3	11.1	86	<0.1	17.8	17.1	536	5.19	9.3	1.1	5.7	12.6	24	0.1	0.5	0.2	69	0.47	0.122
115329	Soil	1.2	36.4	11.2	119	<0.1	16.7	15.0	612	5.20	7.9	0.7	<0.5	4.3	14	0.2	0.4	0.1	81	0.19	0.091
115330	Soil	0.6	110.9	6.3	70	<0.1	25.0	15.6	348	3.17	7.3	0.9	6.1	4.2	20	<0.1	0.4	<0.1	82	0.28	0.039
115331	Soil	0.8	124.4	4.3	58	<0.1	19.2	14.6	261	3.21	4.5	0.3	2.1	1.8	15	<0.1	0.3	<0.1	96	0.34	0.041
115332	Soil	0.5	148.7	2.1	85	<0.1	17.9	26.0	409	5.00	2.1	0.4	5.2	1.0	24	<0.1	0.3	<0.1	146	0.43	0.049
115333	Soil	0.8	151.0	4.3	70	<0.1	25.4	20.3	384	3.48	3.8	0.4	3.3	1.7	26	<0.1	0.3	<0.1	104	0.42	0.028
115334	Soil	0.7	75.2	6.8	66	<0.1	28.1	13.2	268	3.25	4.6	0.8	5.7	4.1	20	<0.1	0.4	0.1	83	0.30	0.024
115335	Soil	0.6	27.7	9.8	87	<0.1	23.5	11.9	677	3.71	4.7	1.6	3.7	9.2	20	<0.1	0.3	<0.1	55	0.33	0.055
115336	Soil	0.6	9.3	10.4	77	<0.1	7.1	9.2	576	2.74	3.1	1.6	1.1	10.9	11	0.1	0.2	0.1	32	0.13	0.050
115337	Soil	0.3	13.3	16.7	94	<0.1	37.4	9.9	473	2.56	3.5	1.1	2.1	7.3	22	<0.1	0.2	<0.1	24	0.28	0.032
115338	Soil	0.9	35.0	13.8	62	<0.1	25.9	11.1	325	2.92	10.3	2.8	2.3	9.3	20	<0.1	0.7	0.2	50	0.24	0.050
115339	Soil	0.6	11.1	11.0	38	<0.1	28.1	6.2	174	1.84	4.1	1.1	2.1	7.2	11	<0.1	0.6	0.2	33	0.15	0.021
115340	Soil	0.7	9.9	12.7	36	<0.1	20.2	5.3	166	1.74	4.4	1.2	<0.5	6.9	11	<0.1	0.5	0.2	31	0.13	0.021
115341	Soil	0.8	26.1	11.7	48	<0.1	31.8	8.7	211	2.36	9.8	1.6	2.1	7.1	16	<0.1	0.6	0.2	41	0.18	0.021
115342	Soil	0.8	26.9	17.6	83	<0.1	30.3	12.5	351	2.90	7.1	1.5	2.3	14.6	24	<0.1	0.6	0.2	50	0.29	0.011



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
115313	Soil	5	161	1.06	240	0.180	<1	2.43	0.007	0.11	0.1	0.03	4.9	0.1	<0.05	9	<0.5
115314	Soil	16	31	0.33	230	0.051	<1	1.62	0.006	0.06	0.2	0.03	4.2	0.1	<0.05	6	<0.5
115315	Soil	19	36	0.41	283	0.055	<1	1.77	0.007	0.07	0.2	0.06	5.4	0.1	<0.05	5	<0.5
115316	Soil	21	36	1.05	236	0.074	<1	1.87	0.027	0.30	<0.1	0.01	3.1	0.2	0.29	5	1.8
115317	Soil	12	32	0.32	145	0.028	<1	1.45	0.003	0.05	0.1	0.02	2.8	0.3	<0.05	4	0.6
115318	Soil	45	27	0.51	240	0.117	<1	1.58	0.004	0.50	<0.1	0.03	4.5	0.4	<0.05	5	<0.5
115319	Soil	16	37	0.58	511	0.083	<1	1.67	0.007	0.31	<0.1	0.02	2.9	0.8	0.09	5	1.5
115320	Soil	31	12	0.05	64	0.008	1	0.50	0.002	0.05	0.1	0.02	1.5	0.3	<0.05	2	1.0
115321	Soil	10	22	0.24	126	0.054	<1	1.09	0.003	0.10	<0.1	0.02	3.1	0.3	<0.05	6	<0.5
115322	Soil	16	32	0.54	180	0.055	<1	2.22	0.007	0.12	0.1	0.06	4.3	0.3	<0.05	5	0.5
115323	Soil	15	34	0.47	259	0.055	<1	1.74	0.006	0.05	0.1	0.08	4.6	0.1	<0.05	5	<0.5
115324	Soil	15	31	0.39	230	0.044	<1	1.54	0.004	0.05	0.1	0.06	3.5	0.2	<0.05	5	<0.5
115325	Soil	22	36	0.52	625	0.056	<1	1.80	0.009	0.05	0.2	0.10	5.9	0.1	<0.05	5	<0.5
115326	Soil	10	28	0.23	164	0.058	<1	1.34	0.005	0.04	<0.1	0.03	2.1	0.2	<0.05	7	<0.5
115327	Soil	9	34	0.49	144	0.050	<1	1.48	0.004	0.33	<0.1	0.02	3.5	0.3	<0.05	5	<0.5
115328	Soil	46	19	0.97	628	0.189	<1	2.52	0.009	1.04	<0.1	0.04	5.6	0.4	<0.05	8	<0.5
115329	Soil	7	21	0.84	389	0.160	<1	2.58	0.007	0.86	0.1	<0.01	2.9	0.3	<0.05	10	<0.5
115330	Soil	16	28	0.92	355	0.088	<1	1.81	0.010	0.13	0.1	0.04	4.9	<0.1	<0.05	5	<0.5
115331	Soil	6	24	0.95	197	0.094	<1	2.03	0.026	0.09	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5
115332	Soil	6	13	1.20	361	0.161	<1	2.15	0.017	0.23	<0.1	0.01	3.4	<0.1	<0.05	7	<0.5
115333	Soil	7	31	1.21	252	0.128	<1	2.17	0.023	0.07	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5
115334	Soil	13	44	0.96	303	0.100	<1	1.98	0.010	0.14	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5
115335	Soil	33	38	1.05	425	0.123	<1	2.20	0.007	0.87	<0.1	0.03	4.9	0.3	<0.05	8	<0.5
115336	Soil	33	14	0.53	131	0.077	<1	1.48	0.005	0.56	<0.1	0.02	2.1	0.3	<0.05	6	<0.5
115337	Soil	22	69	1.19	223	0.102	<1	1.94	0.005	0.63	<0.1	0.02	1.4	0.4	<0.05	6	<0.5
115338	Soil	27	35	0.54	501	0.043	1	1.77	0.009	0.09	0.1	0.07	5.5	0.1	<0.05	6	0.6
115339	Soil	27	48	0.56	151	0.043	<1	1.01	0.005	0.12	0.1	<0.01	2.1	0.1	<0.05	3	<0.5
115340	Soil	23	33	0.39	145	0.032	<1	0.85	0.005	0.08	0.1	0.01	2.0	<0.1	<0.05	3	<0.5
115341	Soil	23	48	0.52	359	0.045	2	1.52	0.005	0.06	0.1	0.04	4.9	0.1	<0.05	4	<0.5
115342	Soil	50	76	1.24	480	0.082	2	2.07	0.008	0.14	0.1	0.03	6.0	0.3	<0.05	7	<0.5



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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
115343	Soil	1.4	9.2	8.2	32	<0.1	10.7	4.6	135	1.94	5.9	1.1	4.5	9.6	7	<0.1	0.4	0.3	30	0.05	0.013
115344	Soil	1.3	7.9	11.0	51	<0.1	7.7	4.0	106	1.90	2.0	3.2	<0.5	15.0	8	<0.1	0.3	0.3	14	0.05	0.015
115345	Soil	1.1	14.8	6.6	56	<0.1	13.1	8.0	247	2.37	5.0	1.8	1.0	15.6	14	<0.1	0.3	0.3	27	0.15	0.012
115346	Soil	1.2	12.0	9.6	36	<0.1	10.5	4.4	131	2.68	6.6	2.5	1.2	13.1	9	<0.1	0.4	0.3	35	0.05	0.015
115347	Soil	0.7	18.2	12.9	57	<0.1	11.1	4.9	129	1.73	5.2	4.9	1.3	16.3	8	<0.1	0.5	0.2	23	0.06	0.009
115348	Soil	0.3	9.4	15.9	71	<0.1	4.5	3.6	212	1.57	1.5	1.5	<0.5	12.4	4	<0.1	0.1	0.3	10	0.03	0.013
115349	Soil	0.5	14.8	76.8	72	<0.1	10.8	5.4	273	2.00	2.3	1.4	<0.5	18.5	6	<0.1	0.2	0.5	16	0.04	0.014
115350	Soil	0.7	18.0	166.5	108	<0.1	7.0	5.2	282	2.20	2.0	2.0	<0.5	20.6	15	0.1	0.2	0.3	21	0.18	0.044
115351	Soil	0.4	10.2	7.7	39	<0.1	4.8	4.3	127	1.01	1.7	1.7	<0.5	19.8	6	<0.1	0.2	0.2	11	0.04	0.009
115352	Soil	0.5	11.4	11.3	42	<0.1	9.0	5.6	178	1.54	3.0	1.4	0.8	9.9	16	<0.1	0.4	0.1	26	0.11	0.008
115353	Soil	1.0	22.9	10.6	55	<0.1	18.6	6.7	220	2.21	8.3	0.9	2.8	5.7	23	<0.1	0.6	0.2	43	0.27	0.039
115354	Soil	1.2	28.8	12.2	73	0.1	24.7	9.2	322	2.49	9.6	0.8	4.9	5.9	30	0.2	0.8	0.2	45	0.52	0.054
115355	Soil	1.0	30.7	10.5	63	0.1	25.9	9.7	420	2.48	10.3	1.5	5.2	4.7	31	0.2	0.8	0.2	48	0.49	0.054
115356	Soil	0.8	24.2	9.0	46	<0.1	19.2	7.3	217	2.21	8.6	1.0	2.4	5.9	20	<0.1	0.5	0.2	42	0.28	0.039
115357	Soil	0.7	21.8	8.7	39	<0.1	17.1	5.8	198	2.30	5.8	2.0	2.1	19.5	15	<0.1	0.5	0.2	33	0.20	0.014
115358	Soil	1.0	30.3	11.0	50	<0.1	26.2	8.7	295	2.65	9.6	1.4	2.7	11.0	22	<0.1	0.7	0.2	46	0.29	0.030
115359	Soil	1.3	25.6	11.5	46	<0.1	26.2	8.3	284	2.34	8.9	1.6	1.9	8.2	22	<0.1	0.6	0.2	42	0.30	0.033
115360	Soil	0.7	28.8	11.9	53	<0.1	24.2	8.1	307	2.43	9.1	1.1	3.3	9.3	22	<0.1	0.7	0.2	41	0.28	0.031
115361	Soil	1.0	30.9	11.1	59	<0.1	26.4	9.3	298	2.64	10.3	1.0	2.9	7.9	19	<0.1	0.7	0.2	50	0.23	0.033
115362	Soil	0.8	26.5	11.1	51	0.1	21.1	7.3	218	2.34	8.0	1.2	6.3	7.7	21	<0.1	0.6	0.2	43	0.30	0.029
115363	Soil	1.0	32.8	11.0	67	0.2	27.8	10.9	420	2.58	11.3	0.8	2.0	5.2	34	0.3	0.9	0.2	49	0.49	0.057
115364	Soil	0.8	34.2	10.4	67	0.1	28.5	10.5	414	2.47	11.7	0.5	2.7	4.5	34	0.3	0.8	0.2	46	0.79	0.053
115365	Soil	0.9	33.1	10.5	68	0.1	28.6	10.8	428	2.53	12.0	0.6	2.4	4.5	37	0.3	0.9	0.2	48	1.10	0.055
115366	Soil	0.7	25.0	8.9	54	<0.1	22.4	8.5	317	2.18	9.3	0.6	2.2	4.6	30	0.2	0.6	0.2	42	0.43	0.051
115367	Soil	0.7	22.9	9.4	48	0.1	20.5	8.1	298	2.19	9.0	0.9	4.0	3.7	39	0.1	0.6	0.2	42	0.63	0.056
115368	Soil	1.0	28.5	11.1	45	0.1	22.9	10.8	567	2.44	10.3	1.2	1.4	6.0	32	0.1	0.6	0.2	45	0.44	0.043
115369	Soil	0.7	19.5	9.2	38	<0.1	15.2	6.3	178	1.87	7.0	1.0	2.3	6.5	23	<0.1	0.5	0.1	36	0.31	0.037
115370	Soil	0.9	24.9	11.2	48	0.1	20.7	7.7	254	2.57	8.5	1.3	1.2	10.1	29	<0.1	0.5	0.2	41	0.35	0.029
115371	Soil	0.7	28.2	9.2	45	<0.1	22.8	8.1	283	2.14	8.3	1.8	2.4	5.8	26	0.1	0.6	0.2	43	0.38	0.052
115372	Soil	0.8	29.1	9.5	60	0.1	25.5	9.4	405	2.27	8.1	1.6	2.7	4.7	41	0.3	0.7	0.2	50	0.84	0.069



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
115343	Soil	12	18	0.38	192	0.033	1	1.32	0.004	0.06	<0.1	<0.01	1.6	0.1	<0.05	4	<0.5	<0.2
115344	Soil	49	14	0.49	180	0.012	<1	1.20	0.003	0.12	<0.1	<0.01	1.6	0.1	<0.05	4	<0.5	<0.2
115345	Soil	51	22	1.05	478	0.071	1	1.54	0.005	0.18	<0.1	<0.01	3.0	0.2	<0.05	5	0.6	<0.2
115346	Soil	33	22	0.34	260	0.041	<1	1.46	0.004	0.08	<0.1	0.01	2.8	<0.1	<0.05	4	0.6	<0.2
115347	Soil	28	16	0.46	199	0.028	<1	1.15	0.004	0.07	0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
115348	Soil	34	8	0.85	155	0.051	<1	1.34	0.003	0.21	<0.1	<0.01	1.2	0.2	<0.05	4	<0.5	<0.2
115349	Soil	44	19	1.29	148	0.065	1	1.67	0.003	0.20	<0.1	<0.01	1.7	0.3	<0.05	5	<0.5	<0.2
115350	Soil	28	12	1.06	308	0.061	2	1.53	0.004	0.45	<0.1	<0.01	2.8	0.4	<0.05	5	<0.5	<0.2
115351	Soil	33	10	0.49	130	0.023	<1	0.88	0.003	0.17	<0.1	<0.01	1.8	0.1	<0.05	3	<0.5	<0.2
115352	Soil	25	16	0.46	266	0.056	<1	0.97	0.006	0.18	<0.1	0.01	2.0	0.1	<0.05	3	<0.5	<0.2
115353	Soil	17	26	0.44	382	0.057	<1	1.34	0.010	0.08	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
115354	Soil	18	28	0.51	392	0.059	<1	1.43	0.013	0.09	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
115355	Soil	15	28	0.48	448	0.048	2	1.43	0.014	0.06	0.2	0.04	3.8	<0.1	<0.05	4	0.6	<0.2
115356	Soil	17	25	0.41	318	0.048	<1	1.38	0.007	0.05	0.2	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
115357	Soil	52	27	0.44	330	0.036	<1	1.82	0.006	0.15	<0.1	0.03	4.7	0.1	<0.05	6	<0.5	<0.2
115358	Soil	29	33	0.45	441	0.046	<1	1.83	0.008	0.11	<0.1	0.05	4.8	0.1	<0.05	6	<0.5	<0.2
115359	Soil	22	33	0.38	443	0.044	<1	1.51	0.009	0.08	0.1	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
115360	Soil	25	28	0.40	468	0.043	<1	1.70	0.009	0.09	<0.1	0.05	4.3	0.1	<0.05	5	<0.5	<0.2
115361	Soil	22	33	0.48	335	0.055	<1	1.62	0.008	0.07	0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
115362	Soil	21	28	0.36	344	0.045	<1	1.71	0.008	0.09	<0.1	0.06	4.0	<0.1	<0.05	5	<0.5	<0.2
115363	Soil	16	30	0.52	436	0.057	<1	1.43	0.016	0.07	0.2	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
115364	Soil	15	28	0.54	347	0.056	1	1.30	0.017	0.07	0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
115365	Soil	15	27	0.56	355	0.059	1	1.29	0.018	0.07	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
115366	Soil	14	25	0.47	317	0.051	1	1.26	0.014	0.06	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
115367	Soil	15	25	0.45	331	0.041	2	1.32	0.012	0.06	0.2	0.03	3.2	<0.1	<0.05	4	0.7	<0.2
115368	Soil	21	25	0.39	533	0.041	<1	1.51	0.013	0.06	0.1	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
115369	Soil	19	22	0.32	300	0.048	<1	1.33	0.009	0.06	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
115370	Soil	23	26	0.32	316	0.040	<1	1.87	0.010	0.11	<0.1	0.05	4.2	0.1	<0.05	6	<0.5	<0.2
115371	Soil	17	26	0.42	300	0.053	1	1.31	0.012	0.06	0.2	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
115372	Soil	14	28	0.55	282	0.061	2	1.30	0.019	0.10	0.2	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2



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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
115373	Soil	1.3	38.2	10.3	70	0.1	32.9	11.0	424	2.64	9.7	1.4	4.8	4.2	43	0.3	0.9	0.2	57	0.94	0.070
115374	Soil	0.9	21.7	9.3	48	<0.1	20.7	7.9	199	2.15	7.4	0.6	1.4	4.4	19	<0.1	0.5	0.1	46	0.27	0.031
115375	Soil	0.8	27.4	10.0	51	<0.1	24.6	7.9	176	2.27	8.0	0.5	2.4	4.5	16	<0.1	0.6	0.1	51	0.23	0.025
115376	Soil	0.8	19.8	8.8	41	<0.1	21.2	7.6	183	1.91	6.9	0.6	1.9	4.8	13	<0.1	0.5	0.1	45	0.15	0.013
115377	Soil	1.1	26.1	11.3	51	<0.1	25.3	8.3	176	2.63	11.8	0.6	2.8	5.1	15	<0.1	0.6	0.2	59	0.16	0.014
115378	Soil	1.2	52.1	12.8	64	<0.1	39.2	11.5	351	3.07	13.0	1.8	7.1	6.9	22	<0.1	1.0	0.2	63	0.22	0.014
115379	Soil	1.5	22.8	10.9	54	<0.1	24.1	8.4	213	2.58	9.5	0.6	1.5	4.0	10	0.1	0.6	0.2	52	0.11	0.030
116179	Soil	1.1	23.3	17.8	137	0.4	23.8	7.7	146	2.36	27.6	1.3	6.0	5.1	14	0.3	1.7	0.2	49	0.17	0.062
116180	Soil	1.0	17.3	19.1	111	0.2	18.7	14.4	528	3.58	19.1	1.6	1.8	7.8	17	0.1	1.1	0.1	71	0.30	0.096
116181	Soil	0.9	11.5	11.3	87	<0.1	18.0	12.1	473	3.33	11.0	1.3	3.1	7.1	22	0.2	0.5	0.1	66	0.29	0.074
116182	Soil	1.0	11.8	12.2	90	<0.1	16.3	14.0	558	3.60	12.1	1.5	<0.5	6.6	27	0.1	0.5	0.1	75	0.32	0.084
116183	Soil	1.0	15.5	12.8	79	0.2	18.5	12.3	402	3.36	13.2	4.0	2.4	7.7	26	<0.1	0.4	0.1	66	0.34	0.080
116184	Soil	1.0	11.5	12.0	79	<0.1	19.4	13.4	481	3.79	13.0	1.2	1.8	8.6	24	0.1	0.4	0.1	75	0.29	0.082
116185	Soil	1.4	12.7	14.6	49	0.1	12.4	5.6	183	2.23	7.4	1.2	1.0	2.7	15	0.1	0.4	0.2	62	0.11	0.037
116186	Soil	1.2	15.0	12.1	70	<0.1	18.3	11.5	457	3.12	10.7	1.0	1.2	6.5	15	0.2	0.4	0.1	67	0.22	0.064
116187	Soil	1.2	10.7	11.3	59	<0.1	17.3	9.6	289	3.05	10.4	0.9	1.0	6.5	13	0.2	0.5	0.2	59	0.16	0.043
116188	Soil	0.9	11.9	13.9	74	<0.1	21.9	13.9	533	3.51	20.9	1.4	7.8	10.1	24	0.1	0.4	0.1	69	0.41	0.069
116189	Soil	1.0	7.9	10.3	22	<0.1	6.3	3.2	121	1.50	4.9	0.6	0.8	2.9	7	<0.1	0.3	0.1	45	0.06	0.024
116190	Soil	1.2	9.2	13.0	43	<0.1	13.5	6.2	235	2.96	11.5	0.5	1.3	3.6	8	<0.1	0.5	0.2	88	0.09	0.039
116191	Soil	0.8	14.6	11.0	68	<0.1	20.7	11.2	429	2.98	11.8	2.3	2.4	10.4	16	<0.1	0.4	0.1	59	0.25	0.062
116192	Soil	0.8	7.3	12.1	45	<0.1	12.4	5.6	157	2.62	9.2	0.6	1.1	4.0	10	<0.1	0.4	0.2	55	0.10	0.025
116193	Soil	1.0	10.2	14.2	45	<0.1	14.3	6.7	220	2.69	11.2	0.9	2.3	6.1	11	0.1	0.4	0.2	60	0.14	0.041
116194	Soil	1.5	15.1	19.8	53	<0.1	22.7	8.9	278	2.99	20.1	1.4	5.1	11.0	9	0.1	0.6	0.2	59	0.09	0.025
116195	Soil	1.1	16.3	21.4	70	<0.1	17.8	12.8	1077	3.25	23.4	2.8	2.1	17.8	17	0.1	0.8	0.2	50	0.19	0.041
116196	Soil	1.3	9.8	16.0	58	<0.1	15.6	7.7	304	3.16	14.8	0.9	1.8	7.9	9	0.1	0.6	0.2	60	0.09	0.034
116197	Soil	1.1	49.4	20.8	105	<0.1	41.5	13.6	342	3.79	18.9	1.9	2.2	15.0	15	0.1	0.8	0.1	64	0.24	0.067
116198	Soil	0.9	37.5	30.3	266	<0.1	37.7	12.2	505	3.78	18.4	1.9	1.8	14.0	11	0.2	0.6	0.2	61	0.20	0.059
116199	Soil	1.2	33.4	14.2	83	<0.1	36.5	11.8	296	3.02	12.3	2.2	2.1	10.9	16	0.3	0.6	0.2	52	0.15	0.052
116200	Soil	1.5	27.6	10.6	72	0.3	23.8	8.8	254	3.28	9.6	1.0	7.0	6.9	14	0.2	0.9	0.3	43	0.13	0.058
116201	Soil	1.5	16.3	14.0	75	0.1	20.4	5.8	263	2.32	26.7	0.9	1.3	2.7	7	0.2	0.7	0.2	51	0.05	0.042



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
115373	Soil	13	33	0.60	288	0.058	1	1.37	0.022	0.11	0.2	0.03	3.8	<0.1	<0.05	4	0.8	<0.2
115374	Soil	13	29	0.43	243	0.054	<1	1.35	0.009	0.05	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
115375	Soil	13	28	0.44	285	0.043	<1	1.52	0.009	0.04	0.1	0.02	2.9	<0.1	<0.05	5	0.5	<0.2
115376	Soil	14	26	0.38	226	0.052	<1	1.33	0.006	0.03	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
115377	Soil	13	36	0.48	334	0.039	<1	1.82	0.006	0.04	0.2	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
115378	Soil	20	38	0.53	459	0.063	<1	2.03	0.010	0.05	0.2	0.07	6.0	<0.1	<0.05	6	0.7	<0.2
115379	Soil	9	34	0.43	147	0.054	<1	1.84	0.006	0.06	0.2	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
116179	Soil	17	30	0.45	147	0.048	1	1.36	0.006	0.10	0.2	0.13	2.4	0.2	<0.05	4	0.7	<0.2
116180	Soil	23	35	0.98	179	0.107	<1	2.10	0.007	0.55	0.1	0.05	2.3	0.4	<0.05	7	<0.5	<0.2
116181	Soil	19	33	0.98	152	0.099	<1	2.03	0.008	0.44	0.1	0.05	2.1	0.4	<0.05	6	<0.5	<0.2
116182	Soil	22	34	1.06	164	0.119	<1	2.18	0.008	0.53	0.1	0.04	2.0	0.5	<0.05	7	0.5	<0.2
116183	Soil	49	36	0.97	183	0.089	<1	2.36	0.009	0.43	0.2	0.07	2.7	0.4	<0.05	7	<0.5	<0.2
116184	Soil	18	43	1.07	136	0.136	<1	2.55	0.010	0.58	0.1	0.04	2.3	0.5	<0.05	7	<0.5	<0.2
116185	Soil	21	29	0.49	98	0.082	<1	1.43	0.008	0.16	0.1	0.04	1.6	0.2	<0.05	7	0.5	<0.2
116186	Soil	15	34	0.81	114	0.107	<1	1.87	0.009	0.37	0.3	0.04	1.9	0.3	<0.05	7	0.6	<0.2
116187	Soil	15	32	0.61	113	0.072	<1	1.96	0.008	0.12	0.2	0.04	2.1	0.2	<0.05	6	0.5	<0.2
116188	Soil	25	38	1.01	186	0.120	<1	2.76	0.009	0.50	0.2	0.03	2.6	0.4	<0.05	8	<0.5	<0.2
116189	Soil	9	16	0.19	77	0.070	<1	0.89	0.005	0.08	0.2	0.03	1.1	0.1	<0.05	7	<0.5	<0.2
116190	Soil	8	25	0.46	65	0.124	<1	1.39	0.006	0.15	0.3	0.02	1.5	0.2	<0.05	9	<0.5	<0.2
116191	Soil	29	33	0.83	143	0.098	<1	1.96	0.008	0.38	0.3	0.02	2.6	0.4	<0.05	6	0.5	<0.2
116192	Soil	11	26	0.43	89	0.052	<1	1.62	0.005	0.06	0.2	0.03	1.6	0.1	<0.05	6	<0.5	<0.2
116193	Soil	13	31	0.51	107	0.068	<1	1.77	0.006	0.10	0.2	0.04	1.9	0.2	<0.05	6	0.5	<0.2
116194	Soil	16	44	0.56	133	0.080	<1	2.11	0.006	0.13	0.1	0.03	2.4	0.3	<0.05	7	0.8	<0.2
116195	Soil	41	30	0.67	203	0.065	<1	2.08	0.007	0.28	0.1	0.04	4.2	0.4	<0.05	7	0.7	<0.2
116196	Soil	10	28	0.50	86	0.054	<1	1.88	0.005	0.10	0.1	0.03	2.3	0.2	<0.05	7	0.6	<0.2
116197	Soil	37	40	0.86	236	0.121	<1	2.34	0.005	0.58	0.1	0.02	3.8	0.5	<0.05	7	0.7	<0.2
116198	Soil	37	30	0.84	268	0.147	<1	2.28	0.004	0.69	0.1	0.04	4.6	0.6	<0.05	7	0.9	<0.2
116199	Soil	39	33	0.54	257	0.079	<1	1.61	0.006	0.28	0.1	0.04	3.2	0.3	<0.05	5	0.8	<0.2
116200	Soil	13	28	0.50	116	0.031	<1	1.74	0.008	0.05	0.1	0.05	2.1	0.1	<0.05	5	1.6	<0.2
116201	Soil	15	27	0.26	103	0.031	<1	1.13	0.004	0.10	<0.1	0.02	1.3	0.1	<0.05	5	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
116202	Soil	0.3	15.1	7.0	140	<0.1	8.4	7.9	669	3.44	5.3	1.0	1.9	7.3	12	<0.1	2.0	<0.1	32	0.20	0.033
116203	Soil	1.4	20.5	15.7	66	0.2	17.6	6.2	165	2.54	94.2	1.5	2.5	3.7	23	<0.1	27.2	0.2	37	0.04	0.024
116204	Soil	1.4	29.9	14.5	72	<0.1	28.4	13.2	489	3.00	32.6	1.2	2.5	5.6	14	<0.1	6.3	0.2	54	0.09	0.023
116205	Soil	1.2	25.6	37.3	77	<0.1	25.4	11.8	408	3.03	17.2	1.5	1.8	18.0	11	<0.1	4.3	0.2	35	0.12	0.027
116206	Soil	0.6	29.5	10.8	63	<0.1	28.7	13.0	627	2.95	28.5	1.0	2.1	7.2	9	<0.1	2.8	0.2	38	0.09	0.017
116207	Soil	1.0	44.3	15.2	109	<0.1	50.0	25.2	587	5.00	18.0	0.6	5.1	4.3	8	<0.1	1.3	0.3	65	0.08	0.024
116208	Soil	1.4	50.1	12.4	112	<0.1	45.1	24.6	949	5.99	16.6	0.8	1.2	4.7	5	<0.1	2.1	0.5	59	0.06	0.060
116209	Soil	1.6	17.6	13.5	43	<0.1	14.7	5.9	189	2.40	11.9	1.2	2.6	5.3	13	<0.1	1.8	0.3	47	0.11	0.040
116210	Soil	1.7	9.0	15.2	69	<0.1	9.3	6.8	293	2.02	5.7	1.8	1.2	17.6	9	0.1	1.0	0.1	24	0.11	0.025
116211	Soil	1.4	32.8	15.6	85	<0.1	33.9	12.2	289	3.28	15.3	1.1	2.7	11.1	14	0.1	1.1	0.3	60	0.12	0.020
116212	Soil	1.4	34.5	14.6	82	<0.1	31.4	12.8	415	3.18	14.2	1.3	4.4	7.4	19	0.2	1.0	0.2	61	0.17	0.025
116213	Soil	1.2	17.0	13.0	48	<0.1	17.7	7.4	233	3.01	11.6	1.0	2.7	4.9	12	<0.1	0.7	0.2	64	0.10	0.027
116214	Soil	1.3	16.0	16.0	65	<0.1	21.8	9.5	272	2.95	13.6	0.5	0.7	5.7	10	0.1	0.9	0.3	65	0.09	0.027
116215	Soil	1.1	17.8	16.0	73	<0.1	25.1	10.7	280	3.12	15.0	0.6	1.4	6.4	10	0.1	0.8	0.3	66	0.10	0.028
116216	Soil	1.1	15.8	13.0	59	0.1	24.9	11.9	310	3.42	17.1	0.7	1.5	5.9	15	<0.1	0.9	0.3	68	0.14	0.023
116217	Soil	0.6	8.1	11.0	49	<0.1	13.9	8.5	233	2.23	4.2	0.4	0.8	3.7	11	<0.1	0.3	0.1	59	0.16	0.055
116218	Soil	0.9	15.6	12.4	67	<0.1	17.2	11.9	260	3.07	6.6	0.6	<0.5	4.0	12	<0.1	0.5	0.2	78	0.13	0.030
116219	Soil	0.6	39.6	19.5	98	<0.1	45.7	23.7	518	4.40	20.2	1.3	<0.5	15.1	12	<0.1	0.6	0.3	54	0.16	0.041
116220	Soil	1.2	13.9	12.6	52	0.2	15.0	10.3	792	2.79	15.0	0.6	0.8	3.8	16	<0.1	0.6	0.2	71	0.20	0.040
116221	Soil	1.0	17.6	7.8	89	<0.1	44.1	21.2	628	4.88	112.1	1.2	0.7	8.8	23	<0.1	2.2	<0.1	95	0.36	0.079
116222	Soil	1.1	24.4	13.8	63	<0.1	22.2	10.5	284	2.84	13.4	1.6	1.9	12.7	13	<0.1	0.9	0.3	51	0.10	0.017
116223	Soil	1.2	22.4	28.3	73	0.1	20.1	8.1	219	2.60	20.0	1.8	2.2	25.5	14	<0.1	1.8	0.9	35	0.12	0.018
116224	Soil	0.8	12.8	22.1	50	<0.1	11.1	5.4	198	2.38	14.7	1.3	0.9	20.3	10	<0.1	1.4	0.2	36	0.10	0.021
116225	Soil	0.9	29.2	14.0	58	0.1	20.0	8.6	230	2.58	14.7	2.5	1.6	17.0	13	<0.1	1.0	0.3	52	0.16	0.019
116226	Soil	0.8	54.2	10.2	71	<0.1	29.9	10.4	513	3.41	10.9	1.0	1.0	6.1	13	<0.1	0.7	0.2	67	0.16	0.029
116227	Soil	0.9	24.4	9.1	64	<0.1	28.7	11.7	348	3.24	10.5	1.4	3.1	8.1	25	<0.1	0.6	0.2	56	0.19	0.024
116228	Soil	0.8	16.9	22.9	59	<0.1	14.1	6.2	187	2.32	22.8	1.9	<0.5	28.6	11	<0.1	1.2	0.4	32	0.10	0.012
116229	Soil	0.6	10.6	24.0	71	<0.1	11.8	8.7	419	2.76	23.8	3.4	0.8	37.2	17	0.1	1.0	0.1	35	0.21	0.036
116230	Soil	0.6	63.1	7.8	49	<0.1	23.3	11.8	280	3.30	20.4	2.5	1.6	9.9	14	<0.1	1.2	0.1	86	0.23	0.020
116231	Soil	0.8	51.6	8.8	50	<0.1	20.5	9.4	223	2.71	9.1	0.9	3.1	6.8	13	<0.1	0.7	0.1	64	0.16	0.013



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
116202	Soil	24	9	1.13	340	0.180	<1	2.00	0.005	0.83	<0.1	0.02	4.0	0.5	<0.05	7	0.8
116203	Soil	19	21	0.19	131	0.014	1	0.86	0.004	0.07	<0.1	0.41	2.8	0.5	0.06	3	0.8
116204	Soil	19	30	0.41	239	0.046	<1	1.57	0.005	0.05	0.2	0.14	3.8	0.3	<0.05	5	0.9
116205	Soil	33	29	0.60	271	0.124	<1	1.77	0.005	0.48	<0.1	0.14	3.3	0.4	<0.05	5	0.6
116206	Soil	19	28	0.63	138	0.071	<1	1.76	0.005	0.22	<0.1	0.04	4.0	0.2	<0.05	5	0.7
116207	Soil	11	51	1.11	198	0.214	<1	2.98	0.006	0.88	0.1	0.02	4.6	0.6	<0.05	10	<0.5
116208	Soil	13	42	1.07	122	0.178	2	2.51	0.005	0.64	<0.1	0.01	4.0	0.4	<0.05	9	<0.5
116209	Soil	19	25	0.29	176	0.028	3	1.42	0.005	0.05	0.2	0.15	3.0	0.1	<0.05	5	<0.5
116210	Soil	12	19	0.61	89	0.082	1	1.78	0.005	0.22	0.4	0.02	1.6	0.4	<0.05	5	<0.5
116211	Soil	25	46	0.61	288	0.051	1	2.10	0.007	0.07	0.2	0.06	4.1	0.1	<0.05	6	0.5
116212	Soil	36	43	0.61	379	0.056	<1	1.91	0.008	0.06	0.2	0.08	5.1	0.1	<0.05	5	<0.5
116213	Soil	15	31	0.36	175	0.046	<1	1.89	0.007	0.04	0.1	0.02	2.9	0.1	<0.05	6	<0.5
116214	Soil	11	32	0.40	231	0.037	<1	2.22	0.005	0.05	0.2	0.01	2.4	<0.1	<0.05	6	<0.5
116215	Soil	13	36	0.50	271	0.043	<1	2.54	0.006	0.05	0.2	0.02	2.8	0.1	<0.05	6	<0.5
116216	Soil	11	71	0.73	232	0.084	1	2.61	0.006	0.08	0.2	0.02	2.9	0.2	<0.05	7	<0.5
116217	Soil	8	128	0.88	128	0.121	<1	1.91	0.011	0.22	0.1	0.01	1.4	0.2	<0.05	8	<0.5
116218	Soil	8	144	0.97	134	0.136	<1	2.67	0.007	0.08	0.2	0.01	1.7	0.2	<0.05	8	<0.5
116219	Soil	24	51	1.17	241	0.192	<1	3.03	0.007	0.82	<0.1	0.01	4.1	0.6	<0.05	9	0.5
116220	Soil	12	89	0.60	316	0.086	<1	1.80	0.008	0.12	0.1	0.02	1.9	0.2	<0.05	7	<0.5
116221	Soil	37	157	2.13	735	0.240	<1	3.66	0.010	0.69	0.2	<0.01	6.3	0.5	<0.05	12	<0.5
116222	Soil	31	33	0.52	262	0.058	<1	1.96	0.006	0.07	0.2	0.05	4.6	0.2	<0.05	5	<0.5
116223	Soil	10	24	0.53	154	0.026	<1	2.27	0.005	0.07	0.2	0.02	2.5	0.1	<0.05	7	<0.5
116224	Soil	32	22	0.35	127	0.017	<1	1.83	0.005	0.07	0.2	0.02	2.3	0.2	<0.05	6	<0.5
116225	Soil	45	34	0.52	157	0.073	1	1.88	0.009	0.09	0.2	0.04	3.2	0.2	<0.05	6	<0.5
116226	Soil	16	60	1.04	365	0.164	<1	2.53	0.007	0.42	0.1	0.02	3.6	0.2	<0.05	7	<0.5
116227	Soil	49	63	1.05	438	0.147	<1	2.16	0.012	0.43	0.2	0.03	3.7	0.3	<0.05	6	<0.5
116228	Soil	34	29	0.54	137	0.034	<1	1.98	0.006	0.09	<0.1	0.02	2.4	0.1	<0.05	7	<0.5
116229	Soil	176	32	0.89	141	0.121	<1	2.06	0.008	0.45	0.1	0.03	3.4	0.5	<0.05	9	<0.5
116230	Soil	113	39	0.66	145	0.105	<1	1.74	0.024	0.10	0.2	0.04	5.5	0.1	<0.05	6	<0.5
116231	Soil	18	36	0.64	162	0.099	<1	1.94	0.011	0.06	0.1	0.01	3.1	<0.1	<0.05	5	<0.5



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
116232	Soil				0.4	39.9	7.0	60	<0.1	20.1	10.7	319	2.54	5.1	0.9	<0.5	6.6	15	<0.1	0.4	0.2	57	0.21	0.022
116233	Soil				0.7	35.4	7.7	57	<0.1	25.5	12.8	356	3.10	7.5	2.1	3.8	8.1	22	<0.1	0.4	0.1	64	0.28	0.018
116234	Soil				0.5	30.9	6.1	56	<0.1	19.1	11.0	328	2.56	6.1	1.1	1.4	6.2	19	<0.1	0.4	0.1	58	0.26	0.025
116235	Soil				0.9	35.7	7.2	62	<0.1	19.1	10.2	368	2.70	8.0	1.6	2.5	5.7	18	<0.1	0.5	0.1	60	0.25	0.034
116236	Soil				1.0	25.3	9.2	53	<0.1	18.2	8.4	269	2.70	9.7	1.6	1.8	5.9	17	<0.1	0.6	0.2	57	0.19	0.020
116237	Soil				0.8	34.6	9.2	60	<0.1	22.3	8.5	311	2.57	10.9	1.8	3.6	6.5	24	<0.1	0.8	0.2	52	0.29	0.051
116238	Soil				0.9	26.7	7.2	60	<0.1	16.9	7.0	267	2.23	7.1	1.8	2.6	7.4	21	<0.1	0.6	0.1	45	0.31	0.043
116239	Soil				1.3	12.3	13.8	48	<0.1	15.8	8.0	236	3.50	14.6	0.6	0.6	4.1	12	0.1	0.6	0.2	67	0.11	0.028
116240	Soil				1.1	8.3	13.9	29	<0.1	10.1	4.9	171	2.57	9.1	0.6	2.7	4.2	11	<0.1	0.5	0.2	59	0.11	0.024
116241	Soil				0.9	26.4	14.3	84	<0.1	32.0	15.6	289	3.81	12.0	0.7	1.5	8.5	10	<0.1	0.5	0.2	51	0.09	0.024
116242	Soil				1.0	26.3	13.8	73	<0.1	29.8	14.8	346	3.64	11.9	0.9	1.4	11.5	8	0.1	0.6	0.2	50	0.08	0.035
116243	Soil				0.9	33.9	12.7	78	<0.1	29.0	13.5	322	4.06	11.9	0.6	1.8	6.3	8	<0.1	0.6	0.3	62	0.08	0.034
116244	Soil				0.9	36.3	17.3	81	<0.1	30.6	14.2	301	3.95	7.3	0.9	<0.5	10.8	7	<0.1	0.2	0.3	58	0.08	0.045
116245	Soil				0.9	26.0	14.0	66	<0.1	26.6	13.0	308	3.41	8.8	1.4	2.2	12.5	9	<0.1	0.4	0.2	49	0.11	0.025
116246	Soil				1.2	26.2	12.4	56	<0.1	25.5	11.1	193	3.09	8.6	0.8	1.6	7.2	8	<0.1	0.4	0.3	59	0.08	0.022
116247	Soil				1.3	16.2	12.7	59	<0.1	21.4	10.1	289	3.68	12.6	0.5	0.8	5.9	8	0.1	0.6	0.2	64	0.07	0.029
116248	Soil				1.0	10.3	9.7	31	<0.1	10.1	4.4	132	2.12	6.7	0.5	<0.5	4.8	9	<0.1	0.4	0.2	55	0.08	0.020
116249	Soil				1.3	61.3	16.1	92	<0.1	42.6	19.1	451	4.46	9.4	1.2	1.4	16.7	6	<0.1	0.4	0.5	50	0.07	0.034
116250	Soil				1.2	18.2	10.2	64	<0.1	20.4	11.3	300	3.83	9.9	0.4	2.0	2.9	12	0.1	0.5	0.2	68	0.15	0.056
116251	Soil				1.0	14.8	11.3	63	<0.1	19.2	9.0	231	3.26	8.0	0.6	5.0	5.1	8	<0.1	0.6	0.2	70	0.09	0.025
116252	Soil				0.8	30.8	11.1	105	<0.1	42.3	20.9	706	5.35	6.8	0.5	<0.5	3.9	12	<0.1	0.5	<0.1	88	0.15	0.031
116253	Soil				1.6	28.6	12.5	82	<0.1	36.2	15.6	357	4.04	11.6	1.1	1.4	7.6	8	0.1	0.7	0.2	63	0.08	0.033
116254	Soil				0.3	16.7	8.7	86	<0.1	28.5	18.0	614	4.25	3.2	0.4	<0.5	6.7	21	<0.1	0.2	<0.1	77	0.31	0.055
116255	Soil				0.8	28.5	12.2	87	<0.1	40.2	14.8	470	4.54	11.7	1.1	<0.5	10.8	12	<0.1	0.5	0.2	62	0.15	0.041
116256	Soil				0.7	18.0	17.5	76	<0.1	21.8	8.7	300	3.85	6.8	0.9	<0.5	7.8	10	<0.1	0.4	0.3	60	0.11	0.032
116257	Soil				0.7	13.2	10.5	83	<0.1	25.2	21.2	1014	3.88	6.3	0.3	<0.5	2.9	32	<0.1	0.8	0.1	86	0.25	0.071
116258	Soil				1.4	15.5	13.2	58	<0.1	22.0	10.2	251	3.18	13.8	0.7	0.5	7.5	11	0.1	0.8	0.2	64	0.11	0.038
116259	Soil				0.9	14.7	14.6	55	<0.1	15.2	7.2	199	2.48	9.4	1.4	1.3	18.6	9	<0.1	0.6	0.2	44	0.09	0.016
116260	Soil				0.7	22.2	10.0	52	<0.1	29.2	10.2	218	2.56	6.7	1.2	1.4	7.0	9	<0.1	0.4	0.1	60	0.14	0.020
116261	Soil				1.5	38.3	11.8	53	0.1	25.2	16.0	246	3.11	11.2	1.3	2.0	6.0	11	<0.1	0.7	0.2	78	0.11	0.027



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
116232	Soil	35	49	0.96	349	0.178	<1	1.87	0.009	0.37	0.2	<0.01	2.9	0.3	<0.05	5	<0.5
116233	Soil	29	61	1.21	522	0.172	<1	2.20	0.011	0.38	0.1	0.02	4.8	0.2	<0.05	7	<0.5
116234	Soil	27	46	1.00	355	0.164	<1	1.81	0.011	0.38	0.1	<0.01	3.1	0.2	<0.05	6	<0.5
116235	Soil	24	38	0.92	291	0.144	<1	1.77	0.011	0.34	0.2	0.02	3.2	0.2	<0.05	6	<0.5
116236	Soil	19	36	0.63	215	0.107	<1	1.82	0.009	0.08	0.1	0.02	3.2	0.1	<0.05	5	0.7
116237	Soil	21	33	0.53	331	0.082	<1	1.51	0.011	0.08	0.2	0.04	4.5	<0.1	<0.05	5	<0.5
116238	Soil	19	31	0.64	311	0.111	<1	1.38	0.011	0.25	0.2	0.02	3.1	0.1	<0.05	5	<0.5
116239	Soil	14	32	0.39	130	0.067	<1	1.59	0.006	0.08	0.1	0.02	2.1	0.1	<0.05	7	<0.5
116240	Soil	13	30	0.28	125	0.050	<1	1.74	0.005	0.04	0.1	0.02	2.1	0.1	<0.05	7	0.6
116241	Soil	11	36	0.78	175	0.144	<1	2.37	0.006	0.42	0.1	0.01	2.7	0.4	<0.05	7	<0.5
116242	Soil	14	39	0.66	149	0.126	<1	2.49	0.007	0.33	0.1	0.03	2.6	0.4	<0.05	6	0.5
116243	Soil	13	40	0.83	129	0.133	<1	2.29	0.007	0.41	0.2	<0.01	3.1	0.3	<0.05	7	<0.5
116244	Soil	14	46	0.92	155	0.214	<1	2.37	0.006	0.80	<0.1	0.01	2.9	0.6	<0.05	9	<0.5
116245	Soil	39	36	0.66	218	0.107	1	2.11	0.007	0.36	0.1	0.05	4.1	0.3	<0.05	6	<0.5
116246	Soil	19	35	0.61	154	0.111	<1	2.02	0.006	0.25	0.1	0.01	2.6	0.3	<0.05	7	<0.5
116247	Soil	11	38	0.57	107	0.080	<1	1.93	0.005	0.16	0.2	0.02	2.5	0.2	<0.05	6	<0.5
116248	Soil	14	24	0.27	130	0.075	<1	1.23	0.006	0.10	0.1	0.01	1.8	0.2	<0.05	6	<0.5
116249	Soil	13	42	0.97	141	0.171	<1	3.01	0.007	0.60	<0.1	0.02	3.4	0.5	<0.05	8	<0.5
116250	Soil	10	51	0.81	270	0.108	<1	2.59	0.007	0.17	0.2	0.03	2.1	0.1	<0.05	7	<0.5
116251	Soil	14	38	0.59	177	0.105	<1	2.10	0.007	0.16	0.2	<0.01	2.4	0.2	<0.05	8	<0.5
116252	Soil	16	82	1.56	347	0.391	2	3.53	0.008	1.13	1.2	<0.01	6.0	0.6	<0.05	13	<0.5
116253	Soil	17	39	0.80	212	0.149	<1	2.48	0.006	0.44	0.1	0.01	2.7	0.3	<0.05	7	<0.5
116254	Soil	62	102	1.94	632	0.226	<1	3.87	0.007	1.02	0.1	0.01	3.0	0.5	<0.05	10	<0.5
116255	Soil	16	105	1.54	285	0.230	<1	3.24	0.009	0.95	0.2	0.02	2.4	0.6	<0.05	8	<0.5
116256	Soil	8	34	0.62	145	0.219	<1	2.29	0.005	0.33	0.1	0.02	2.1	0.4	<0.05	9	<0.5
116257	Soil	8	81	1.32	553	0.228	<1	2.62	0.013	0.70	0.2	0.01	3.1	0.3	<0.05	11	<0.5
116258	Soil	10	36	0.60	173	0.064	<1	2.56	0.005	0.10	0.2	0.03	2.5	0.2	<0.05	6	<0.5
116259	Soil	12	30	0.55	132	0.060	<1	2.01	0.006	0.08	0.2	0.02	2.5	0.2	<0.05	6	0.6
116260	Soil	19	103	0.69	149	0.107	<1	2.06	0.012	0.12	0.2	<0.01	2.5	0.2	<0.05	6	<0.5
116261	Soil	14	47	0.45	243	0.070	2	2.57	0.011	0.07	0.1	0.02	5.0	0.2	<0.05	6	<0.5



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
116262	Soil	0.8	103.9	5.9	45	0.1	30.0	12.4	253	3.01	8.1	0.3	1.4	1.6	24	0.1	0.6	<0.1	84	0.33	0.037
116263	Soil	0.9	14.3	10.6	66	0.1	22.3	9.2	656	2.84	5.8	0.4	0.9	3.2	10	0.2	0.4	0.2	62	0.12	0.041
116264	Soil	1.1	20.2	9.9	68	<0.1	31.3	11.0	311	3.31	7.9	0.6	<0.5	4.8	12	0.1	0.5	0.2	75	0.13	0.018
116265	Soil	0.9	24.9	10.3	83	<0.1	40.9	13.6	374	3.74	7.4	0.8	<0.5	6.7	11	0.1	0.4	0.2	82	0.13	0.015
116266	Soil	0.9	9.9	9.5	53	<0.1	16.2	8.7	395	2.56	7.0	0.5	1.2	5.6	14	<0.1	0.4	0.2	61	0.18	0.024
116267	Soil	0.6	25.7	5.5	65	<0.1	34.3	9.8	346	2.86	5.5	0.7	<0.5	4.2	14	<0.1	0.3	<0.1	76	0.21	0.025
116268	Soil	1.3	16.2	6.0	94	<0.1	16.4	12.1	602	3.36	6.3	0.5	1.0	4.2	12	<0.1	0.3	0.1	79	0.16	0.033
116269	Soil	1.6	31.9	11.9	68	<0.1	19.7	7.7	308	2.69	9.3	1.1	2.9	12.3	13	<0.1	0.6	0.1	54	0.16	0.023
116270	Soil	1.7	14.4	8.8	49	0.1	15.6	6.2	234	2.68	8.4	0.7	1.8	5.7	13	<0.1	0.5	0.2	56	0.12	0.024
116271	Soil	1.1	11.7	6.8	47	<0.1	16.5	11.9	1542	2.71	2.9	0.8	1.1	4.7	13	0.1	0.2	0.1	52	0.19	0.064
116272	Soil	1.7	14.0	6.7	51	<0.1	17.5	9.2	305	3.12	5.9	0.8	1.5	5.2	14	<0.1	0.4	0.1	62	0.22	0.043
116273	Soil	1.4	11.7	7.8	41	<0.1	13.9	6.8	272	2.32	7.7	0.6	1.2	5.1	17	<0.1	0.4	0.1	51	0.21	0.037
116274	Soil	1.0	9.9	9.9	40	<0.1	12.0	5.1	188	2.25	7.2	0.7	2.7	6.9	14	<0.1	0.5	0.2	49	0.15	0.016
116275	Soil	1.3	13.4	9.4	43	<0.1	14.1	6.3	196	2.57	7.8	1.2	<0.5	9.0	14	<0.1	0.5	0.2	46	0.16	0.020
116276	Soil	0.7	9.6	6.9	40	<0.1	8.4	4.6	198	1.95	4.1	0.9	0.6	9.4	11	<0.1	0.3	0.1	34	0.13	0.016
116277	Soil	0.9	12.9	7.0	48	<0.1	9.7	5.7	254	2.18	4.7	1.3	2.7	9.6	13	<0.1	0.3	0.1	32	0.18	0.034
116278	Soil	1.1	12.3	6.7	44	<0.1	10.4	5.7	193	2.00	5.5	1.2	2.1	8.6	13	<0.1	0.4	0.1	34	0.19	0.032
116279	Soil	1.1	15.0	7.5	45	<0.1	12.7	6.4	235	2.18	6.1	1.6	1.6	10.2	16	<0.1	0.4	0.2	36	0.22	0.037
116280	Soil	1.0	15.5	11.4	52	<0.1	17.2	7.6	231	3.33	11.2	0.5	1.0	6.0	8	0.1	1.0	0.2	59	0.08	0.025
116281	Soil	1.0	10.7	10.8	39	<0.1	12.6	5.8	164	3.65	13.1	0.4	2.1	3.4	7	<0.1	0.6	0.2	64	0.07	0.034



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
116262	Soil	5	75	0.94	240	0.092	<1	2.50	0.020	0.11	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
116263	Soil	10	40	0.60	241	0.129	<1	1.58	0.008	0.28	0.2	<0.01	2.8	0.2	<0.05	7	<0.5	<0.2
116264	Soil	11	75	1.10	344	0.185	<1	2.42	0.008	0.44	0.2	0.01	3.1	0.3	<0.05	8	<0.5	<0.2
116265	Soil	11	108	1.62	465	0.240	<1	3.06	0.009	0.78	0.2	<0.01	4.3	0.4	<0.05	9	<0.5	<0.2
116266	Soil	13	36	0.51	294	0.083	<1	1.74	0.007	0.12	0.1	0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
116267	Soil	28	115	1.66	471	0.210	<1	2.34	0.009	0.47	0.2	<0.01	2.6	0.3	<0.05	7	<0.5	<0.2
116268	Soil	8	40	1.09	223	0.187	<1	1.85	0.007	0.69	0.2	<0.01	2.9	0.4	<0.05	9	<0.5	<0.2
116269	Soil	34	28	0.56	170	0.079	<1	1.64	0.007	0.16	0.1	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
116270	Soil	13	31	0.55	243	0.097	<1	1.57	0.009	0.15	0.1	0.01	2.5	0.1	<0.05	6	<0.5	<0.2
116271	Soil	14	43	0.83	370	0.155	1	1.53	0.009	0.56	0.1	<0.01	3.0	0.3	<0.05	7	<0.5	<0.2
116272	Soil	19	45	0.94	341	0.184	1	1.71	0.007	0.51	0.1	<0.01	3.2	0.3	<0.05	7	<0.5	<0.2
116273	Soil	13	26	0.51	305	0.081	<1	1.27	0.007	0.16	0.2	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
116274	Soil	17	23	0.54	209	0.097	1	1.31	0.008	0.14	0.2	<0.01	2.4	0.1	<0.05	5	<0.5	<0.2
116275	Soil	35	25	0.58	301	0.087	<1	1.47	0.008	0.13	0.1	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
116276	Soil	25	17	0.65	191	0.109	1	1.21	0.006	0.20	0.1	<0.01	2.1	0.2	<0.05	6	<0.5	<0.2
116277	Soil	45	17	0.72	303	0.095	<1	1.16	0.007	0.27	0.2	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
116278	Soil	32	18	0.57	336	0.078	<1	1.08	0.007	0.15	0.1	<0.01	2.3	0.1	<0.05	4	<0.5	<0.2
116279	Soil	38	20	0.53	412	0.072	1	1.15	0.008	0.12	0.2	0.02	2.5	0.1	<0.05	4	0.7	<0.2
116280	Soil	10	32	0.58	138	0.079	2	1.98	0.007	0.08	0.2	0.03	2.9	0.1	<0.05	7	<0.5	<0.2
116281	Soil	10	30	0.37	87	0.056	<1	1.83	0.006	0.04	0.2	0.04	2.4	0.1	<0.05	6	0.7	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000285.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
115177	Soil	1.1	26.4	13.1	55	<0.1	21.5	8.1	244	2.14	14.4	2.0	2.6	7.8	10	<0.1	0.4	0.2	39	0.11	0.035
REP 115177	QC	1.1	27.0	12.6	63	<0.1	19.8	8.0	243	2.11	16.1	2.0	5.4	7.3	9	0.1	0.4	0.2	38	0.11	0.036
115183	Soil	1.0	31.9	13.9	62	<0.1	24.1	10.6	295	2.83	10.3	2.4	3.9	18.7	11	<0.1	0.7	0.2	53	0.10	0.017
REP 115183	QC	0.9	31.1	13.6	60	<0.1	23.1	10.5	294	2.84	9.6	2.3	5.6	18.8	11	<0.1	0.8	0.2	54	0.10	0.017
115205	Soil	2.9	8.3	8.2	23	<0.1	17.3	2.8	146	1.72	8.6	1.4	<0.5	7.8	10	0.1	0.5	0.1	29	0.13	0.026
REP 115205	QC	2.6	6.7	9.1	27	<0.1	14.0	2.6	147	1.73	8.0	1.4	1.5	7.7	10	0.1	0.5	0.1	29	0.14	0.024
115214	Soil	18.1	111.8	6.2	15	1.3	4.7	3.9	86	3.81	3.1	1.2	113.4	4.6	26	<0.1	0.3	0.7	15	0.06	0.037
REP 115214	QC	18.3	111.5	5.9	16	1.4	4.4	4.0	86	3.88	3.2	1.2	109.2	4.7	26	<0.1	0.3	0.7	16	0.06	0.039
115224	Soil	1.1	22.7	4.5	61	0.1	12.2	14.3	413	3.65	4.5	0.3	<0.5	1.9	6	<0.1	0.2	0.1	72	0.21	0.087
REP 115224	QC	1.0	23.6	4.6	62	0.1	12.0	14.2	422	3.70	4.6	0.4	<0.5	1.9	6	<0.1	0.2	0.1	74	0.20	0.085
115233	Soil	0.5	6.5	3.9	26	<0.1	12.2	7.0	413	3.42	1.3	1.0	<0.5	19.2	10	<0.1	0.2	0.2	52	0.23	0.059
REP 115233	QC	0.5	6.7	3.7	26	<0.1	11.6	6.8	397	3.37	1.5	0.9	<0.5	18.7	10	<0.1	0.1	0.2	50	0.24	0.062
115257	Soil	1.2	13.9	8.8	44	<0.1	16.1	7.9	227	2.71	9.8	0.5	1.1	5.8	13	<0.1	0.6	0.2	43	0.15	0.026
REP 115257	QC	1.1	13.4	8.3	42	<0.1	16.5	7.7	220	2.62	9.5	0.6	1.4	5.8	12	<0.1	0.6	0.2	42	0.15	0.027
115279	Soil	0.2	53.3	11.7	123	0.1	54.5	13.7	267	3.14	0.8	1.1	<0.5	12.9	46	<0.1	0.1	0.2	54	0.62	0.055
REP 115279	QC	0.2	54.2	12.1	124	0.2	54.2	13.7	275	3.15	1.1	1.1	<0.5	13.3	47	<0.1	0.2	0.2	55	0.64	0.056
115289	Soil	1.6	20.0	16.9	42	0.2	12.7	5.1	188	2.48	35.0	0.9	2.5	3.1	14	0.2	6.2	0.3	63	0.09	0.037
REP 115289	QC	1.9	20.2	17.4	45	0.2	13.3	5.6	192	2.58	36.5	0.9	2.7	3.2	15	0.3	6.6	0.3	65	0.10	0.039
115308	Soil	1.2	9.3	11.6	130	<0.1	28.3	11.5	731	3.45	5.0	1.6	1.7	32.9	8	0.2	1.0	0.1	47	0.13	0.072
REP 115308	QC	1.2	9.4	12.0	132	<0.1	27.2	11.8	739	3.52	5.3	1.7	1.3	33.6	8	0.1	0.9	0.1	47	0.13	0.075
115328	Soil	0.9	40.3	11.1	86	<0.1	17.8	17.1	536	5.19	9.3	1.1	5.7	12.6	24	0.1	0.5	0.2	69	0.47	0.122
REP 115328	QC	0.8	39.6	10.7	84	<0.1	18.8	16.7	523	5.09	9.2	1.0	4.1	12.6	23	<0.1	0.5	0.1	66	0.47	0.125
115350	Soil	0.7	18.0	166.5	108	<0.1	7.0	5.2	282	2.20	2.0	2.0	<0.5	20.6	15	0.1	0.2	0.3	21	0.18	0.044
REP 115350	QC	0.8	18.3	160.5	105	<0.1	6.6	5.1	280	2.17	1.9	1.9	1.1	19.7	15	0.2	0.2	0.3	20	0.17	0.044
115367	Soil	0.7	22.9	9.4	48	0.1	20.5	8.1	298	2.19	9.0	0.9	4.0	3.7	39	0.1	0.6	0.2	42	0.63	0.056
REP 115367	QC	0.6	23.0	9.2	48	0.1	20.0	8.3	304	2.20	9.3	0.9	3.8	3.6	39	0.2	0.5	0.2	41	0.62	0.056
115379	Soil	1.5	22.8	10.9	54	<0.1	24.1	8.4	213	2.58	9.5	0.6	1.5	4.0	10	0.1	0.6	0.2	52	0.11	0.030
REP 115379	QC	1.4	21.9	9.8	50	<0.1	21.0	7.8	191	2.38	8.7	0.6	256.3	4.0	9	0.2	0.5	0.1	47	0.10	0.028



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
115177	Soil	26	24	0.32	155	0.029	<1	1.23	0.003	0.10	<0.1	0.04	2.5	0.2	<0.05	4	1.1	<0.2
REP 115177	QC	25	23	0.31	150	0.026	<1	1.17	0.003	0.09	<0.1	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
115183	Soil	51	36	0.57	246	0.054	<1	1.90	0.006	0.05	0.2	0.09	4.7	0.1	<0.05	5	0.6	<0.2
REP 115183	QC	50	36	0.56	242	0.055	<1	1.89	0.005	0.05	0.1	0.10	4.6	0.1	<0.05	5	<0.5	<0.2
115205	Soil	15	21	0.14	209	0.046	1	0.56	0.003	0.12	0.1	0.03	1.0	0.2	<0.05	5	<0.5	<0.2
REP 115205	QC	15	22	0.14	212	0.046	<1	0.55	0.004	0.11	0.1	0.03	1.1	0.2	<0.05	5	<0.5	<0.2
115214	Soil	7	9	0.13	235	0.028	<1	0.55	0.081	0.27	<0.1	0.03	2.3	0.2	0.74	2	4.3	0.5
REP 115214	QC	7	9	0.13	239	0.029	<1	0.56	0.079	0.26	<0.1	0.03	2.4	0.2	0.69	2	3.9	0.4
115224	Soil	6	24	1.21	415	0.161	<1	2.35	0.009	0.50	0.1	0.01	5.5	0.1	<0.05	9	0.7	<0.2
REP 115224	QC	6	24	1.20	422	0.159	<1	2.36	0.009	0.51	0.1	<0.01	5.7	0.2	<0.05	9	<0.5	<0.2
115233	Soil	113	27	1.45	471	0.241	<1	2.16	0.007	1.20	0.1	<0.01	7.0	0.5	<0.05	10	<0.5	<0.2
REP 115233	QC	109	26	1.40	457	0.236	<1	2.14	0.006	1.17	0.2	<0.01	6.9	0.5	<0.05	10	<0.5	<0.2
115257	Soil	11	26	0.55	309	0.068	<1	1.63	0.006	0.17	0.1	<0.01	2.5	0.1	<0.05	5	<0.5	<0.2
REP 115257	QC	11	25	0.52	298	0.067	<1	1.59	0.005	0.16	0.1	0.01	2.4	0.1	<0.05	5	<0.5	<0.2
115279	Soil	45	56	0.98	423	0.051	<1	2.52	0.007	0.21	<0.1	0.02	4.6	0.2	<0.05	6	<0.5	<0.2
REP 115279	QC	43	57	0.98	426	0.050	<1	2.52	0.007	0.21	<0.1	<0.01	4.6	0.2	<0.05	6	<0.5	<0.2
115289	Soil	13	25	0.26	127	0.051	<1	1.16	0.004	0.05	0.1	0.09	2.6	0.2	<0.05	6	0.6	<0.2
REP 115289	QC	13	26	0.26	130	0.056	<1	1.25	0.004	0.06	0.1	0.09	2.7	0.2	<0.05	6	0.6	<0.2
115308	Soil	52	34	0.89	153	0.151	<1	2.22	0.005	0.83	0.1	<0.01	5.2	0.7	<0.05	9	<0.5	<0.2
REP 115308	QC	55	34	0.91	159	0.156	<1	2.23	0.005	0.85	0.1	0.01	5.3	0.7	<0.05	10	<0.5	<0.2
115328	Soil	46	19	0.97	628	0.189	<1	2.52	0.009	1.04	<0.1	0.04	5.6	0.4	<0.05	8	<0.5	<0.2
REP 115328	QC	45	18	0.94	614	0.185	<1	2.43	0.008	1.04	0.1	0.04	5.5	0.4	<0.05	8	0.6	<0.2
115350	Soil	28	12	1.06	308	0.061	2	1.53	0.004	0.45	<0.1	<0.01	2.8	0.4	<0.05	5	<0.5	<0.2
REP 115350	QC	28	11	1.06	306	0.060	1	1.52	0.004	0.45	<0.1	0.01	2.8	0.4	<0.05	5	<0.5	<0.2
115367	Soil	15	25	0.45	331	0.041	2	1.32	0.012	0.06	0.2	0.03	3.2	<0.1	<0.05	4	0.7	<0.2
REP 115367	QC	14	25	0.44	339	0.039	<1	1.33	0.012	0.05	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
115379	Soil	9	34	0.43	147	0.054	<1	1.84	0.006	0.06	0.2	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
REP 115379	QC	8	30	0.41	134	0.049	<1	1.70	0.005	0.05	0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
116206	Soil	0.6	29.5	10.8	63	<0.1	28.7	13.0	627	2.95	28.5	1.0	2.1	7.2	9	<0.1	2.8	0.2	38	0.09	0.017
REP 116206	QC	0.7	32.4	12.0	68	<0.1	31.0	13.6	698	3.21	31.8	1.2	2.7	7.9	10	0.1	3.3	0.2	42	0.09	0.020
116215	Soil	1.1	17.8	16.0	73	<0.1	25.1	10.7	280	3.12	15.0	0.6	1.4	6.4	10	0.1	0.8	0.3	66	0.10	0.028
REP 116215	QC	1.2	17.4	16.3	69	<0.1	24.5	10.8	270	3.15	15.0	0.5	1.0	6.2	10	<0.1	0.9	0.3	65	0.09	0.027
116233	Soil	0.7	35.4	7.7	57	<0.1	25.5	12.8	356	3.10	7.5	2.1	3.8	8.1	22	<0.1	0.4	0.1	64	0.28	0.018
REP 116233	QC	0.6	35.3	7.9	57	<0.1	26.0	13.4	368	3.06	7.4	2.1	2.5	8.3	23	<0.1	0.5	0.1	66	0.30	0.020
116255	Soil	0.8	28.5	12.2	87	<0.1	40.2	14.8	470	4.54	11.7	1.1	<0.5	10.8	12	<0.1	0.5	0.2	62	0.15	0.041
REP 116255	QC	0.8	28.7	12.1	88	<0.1	41.2	15.3	468	4.49	12.0	1.1	<0.5	10.4	12	<0.1	0.5	0.2	62	0.15	0.039
116267	Soil	0.6	25.7	5.5	65	<0.1	34.3	9.8	346	2.86	5.5	0.7	<0.5	4.2	14	<0.1	0.3	<0.1	76	0.21	0.025
REP 116267	QC	0.7	25.4	5.6	65	<0.1	34.2	10.3	342	2.90	5.8	0.7	<0.5	4.4	14	<0.1	0.3	<0.1	77	0.21	0.026
116279	Soil	1.1	15.0	7.5	45	<0.1	12.7	6.4	235	2.18	6.1	1.6	1.6	10.2	16	<0.1	0.4	0.2	36	0.22	0.037
REP 116279	QC	1.1	14.4	7.1	45	<0.1	11.6	6.3	234	2.25	6.4	1.5	4.7	10.0	16	<0.1	0.3	0.2	37	0.22	0.038
Reference Materials																					
STD DS8	Standard	14.0	113.3	124.7	328	1.9	39.4	7.5	619	2.49	27.2	2.6	115.0	6.6	66	2.3	5.2	6.5	43	0.71	0.076
STD DS8	Standard	13.9	113.5	117.6	319	1.8	39.4	7.5	607	2.44	25.8	2.6	115.3	6.5	66	2.2	5.2	6.3	42	0.69	0.073
STD DS8	Standard	14.5	112.1	124.7	324	1.9	39.5	7.8	640	2.55	28.2	2.9	111.0	7.1	67	2.1	5.7	6.8	43	0.71	0.084
STD DS8	Standard	13.2	111.3	124.9	324	1.8	37.9	7.7	648	2.47	26.8	2.9	122.8	7.4	70	2.1	5.7	6.7	43	0.73	0.082
STD DS8	Standard	15.1	113.0	123.3	317	1.8	38.8	7.9	607	2.46	26.3	2.7	108.4	6.8	66	2.2	5.4	6.1	44	0.71	0.075
STD DS8	Standard	14.3	112.6	126.7	320	1.8	38.6	7.6	603	2.43	25.7	2.7	112.7	6.8	65	2.4	5.3	6.2	44	0.71	0.076
STD DS8	Standard	14.6	123.7	132.6	334	1.8	42.2	8.2	629	2.55	26.9	2.7	113.0	6.9	68	2.6	6.1	7.4	45	0.70	0.080
STD DS8	Standard	13.7	113.3	123.5	310	1.8	38.9	7.9	596	2.39	25.3	2.7	110.8	6.8	65	2.3	5.6	6.8	43	0.67	0.076
STD DS8	Standard	13.4	113.1	130.4	327	1.9	40.0	7.8	604	2.43	24.1	2.4	136.2	6.0	57	2.1	4.6	6.0	44	0.66	0.073
STD DS8	Standard	13.4	115.0	126.8	327	1.9	39.5	7.8	611	2.47	25.0	2.5	112.9	6.1	58	2.3	4.9	6.0	44	0.67	0.071
STD DS8	Standard	14.2	121.9	137.3	330	1.9	42.1	8.2	614	2.48	28.2	2.8	114.0	7.0	64	2.4	5.4	7.1	45	0.67	0.077
STD DS8	Standard	13.9	115.3	132.4	312	1.8	39.8	7.9	597	2.41	26.3	2.8	115.0	7.0	62	2.4	5.2	7.1	43	0.66	0.074
STD DS8	Standard	14.3	113.6	123.4	318	1.8	41.3	8.0	603	2.37	24.9	2.6	117.1	6.3	62	2.2	5.7	6.8	43	0.68	0.078
STD DS8	Standard	14.3	115.0	117.7	316	1.9	42.0	8.0	619	2.45	22.6	2.6	141.1	5.9	62	2.5	5.5	6.7	43	0.69	0.082
STD DS8	Standard	13.8	120.4	132.2	317	1.8	41.6	8.1	621	2.53	25.0	2.9	142.8	7.0	61	2.1	5.5	6.2	47	0.68	0.075
STD DS8	Standard	13.9	114.3	134.5	315	1.9	41.2	7.7	620	2.47	25.2	3.0	112.4	7.5	61	2.4	5.4	6.5	45	0.69	0.075



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Project:

WMOOSE

Report Date:

July 04, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11000285.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
116206	Soil	19	28	0.63	138	0.071	<1	1.76	0.005	0.22	<0.1	0.04	4.0	0.2	<0.05	5	0.7	<0.2
REP 116206	QC	20	31	0.67	151	0.078	<1	1.88	0.006	0.24	0.1	0.05	4.4	0.2	<0.05	5	0.6	<0.2
116215	Soil	13	36	0.50	271	0.043	<1	2.54	0.006	0.05	0.2	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
REP 116215	QC	12	35	0.48	268	0.039	<1	2.43	0.006	0.05	0.1	0.01	2.7	0.1	<0.05	6	<0.5	<0.2
116233	Soil	29	61	1.21	522	0.172	<1	2.20	0.011	0.38	0.1	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
REP 116233	QC	30	62	1.24	522	0.172	<1	2.27	0.012	0.40	0.2	0.01	4.9	0.2	<0.05	7	<0.5	<0.2
116255	Soil	16	105	1.54	285	0.230	<1	3.24	0.009	0.95	0.2	0.02	2.4	0.6	<0.05	8	<0.5	<0.2
REP 116255	QC	16	105	1.54	289	0.230	<1	3.25	0.008	0.94	0.1	0.03	2.3	0.6	<0.05	8	<0.5	<0.2
116267	Soil	28	115	1.66	471	0.210	<1	2.34	0.009	0.47	0.2	<0.01	2.6	0.3	<0.05	7	<0.5	<0.2
REP 116267	QC	29	114	1.65	463	0.211	<1	2.34	0.008	0.46	0.2	<0.01	2.6	0.3	<0.05	7	<0.5	<0.2
116279	Soil	38	20	0.53	412	0.072	1	1.15	0.008	0.12	0.2	0.02	2.5	0.1	<0.05	4	0.7	<0.2
REP 116279	QC	38	21	0.55	397	0.074	1	1.17	0.008	0.12	0.2	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	122	0.62	287	0.119	1	0.92	0.091	0.41	3.4	0.21	2.0	5.8	0.15	5	6.2	5.0
STD DS8	Standard	14	120	0.60	283	0.114	<1	0.89	0.090	0.41	3.1	0.20	2.0	5.6	0.15	5	5.3	5.0
STD DS8	Standard	16	120	0.63	293	0.120	3	0.95	0.092	0.44	3.1	0.18	2.2	5.1	0.17	5	5.5	5.3
STD DS8	Standard	16	120	0.63	297	0.121	3	0.94	0.096	0.43	3.1	0.21	2.3	5.2	0.17	5	6.0	5.2
STD DS8	Standard	16	124	0.62	289	0.122	2	0.93	0.088	0.41	2.9	0.22	2.1	5.6	0.18	5	5.9	5.1
STD DS8	Standard	16	123	0.62	289	0.126	2	0.92	0.087	0.42	3.0	0.21	2.0	5.7	0.18	5	5.7	5.0
STD DS8	Standard	15	125	0.63	291	0.123	3	0.93	0.089	0.44	2.9	0.20	2.2	5.6	0.17	5	5.5	4.8
STD DS8	Standard	15	119	0.60	277	0.117	3	0.89	0.084	0.42	2.8	0.20	2.0	5.2	0.16	5	4.8	4.8
STD DS8	Standard	12	122	0.61	253	0.114	1	0.88	0.078	0.40	3.1	0.20	1.9	5.8	0.18	5	5.7	5.3
STD DS8	Standard	13	125	0.62	259	0.117	2	0.90	0.079	0.40	3.1	0.21	1.9	5.7	0.19	5	5.5	4.8
STD DS8	Standard	13	125	0.62	284	0.117	3	0.91	0.085	0.42	3.1	0.20	2.1	5.8	0.16	5	5.8	5.1
STD DS8	Standard	13	118	0.59	274	0.112	2	0.87	0.083	0.40	3.0	0.20	2.1	5.4	0.15	5	5.2	5.0
STD DS8	Standard	15	120	0.60	275	0.118	3	0.88	0.087	0.43	3.2	0.22	2.2	5.4	0.17	5	4.9	5.1
STD DS8	Standard	15	125	0.63	281	0.118	2	0.92	0.091	0.42	3.2	0.22	2.2	5.4	0.19	5	5.2	5.7
STD DS8	Standard	14	125	0.62	258	0.117	2	0.89	0.082	0.40	3.0	0.21	1.9	5.6	0.20	5	5.3	5.0
STD DS8	Standard	15	125	0.62	269	0.117	2	0.90	0.084	0.41	3.2	0.22	2.0	5.6	0.16	5	5.1	5.5



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Part 1

QUALITY CONTROL REPORT

WHI11000285.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	13.1	117.1	116.2	325	1.9	40.2	7.8	623	2.48	26.9	2.4	105.6	5.9	58	2.4	5.5	6.3	45	0.66	0.088
STD DS8	Standard	14.4	119.7	114.3	337	2.0	43.3	8.7	667	2.66	28.6	2.3	109.9	6.1	65	2.6	5.6	6.5	47	0.73	0.093
STD DS8	Standard	12.5	101.7	119.0	307	1.7	37.0	7.5	579	2.32	25.4	2.5	108.5	5.9	58	2.4	5.1	6.4	39	0.64	0.076
STD DS8	Standard	12.4	104.2	121.5	305	1.8	37.4	7.7	602	2.40	26.1	2.6	99.4	6.4	62	2.2	5.1	6.5	42	0.65	0.074
STD DS8	Standard	12.8	108.0	117.2	311	1.8	38.3	7.3	592	2.32	25.1	2.5	105.1	6.1	57	2.3	5.1	6.2	40	0.61	0.074
STD DS8	Standard	13.1	106.1	115.5	312	1.9	36.8	7.3	589	2.33	25.2	2.6	116.3	6.4	60	2.1	5.1	6.1	41	0.64	0.074
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

WHI11000285.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS8	Standard	13	121	0.63	277	0.111	2	0.89	0.086	0.43	3.0	0.21	2.0	5.2	0.18	5	5.5	5.3
STD DS8	Standard	15	124	0.69	283	0.123	2	1.01	0.094	0.46	3.2	0.20	2.3	5.3	0.24	5	5.7	5.2
STD DS8	Standard	13	112	0.58	262	0.101	3	0.84	0.080	0.39	2.9	0.22	2.0	5.1	0.15	4	5.3	4.9
STD DS8	Standard	14	115	0.60	280	0.107	2	0.87	0.083	0.41	2.9	0.21	2.1	5.2	0.14	5	4.7	5.1
STD DS8	Standard	13	113	0.56	256	0.102	2	0.82	0.062	0.40	2.8	0.20	1.9	5.1	0.16	4	4.0	4.8
STD DS8	Standard	15	113	0.57	261	0.111	2	0.85	0.065	0.40	2.9	0.21	2.0	5.0	0.16	5	4.4	5.3
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
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: Mark Fekete

Receiving Lab: Canada-Whitehorse

Received: June 22, 2011

Report Date: July 03, 2011

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CERTIFICATE OF ANALYSIS

WHI11000286.1

CLIENT JOB INFORMATION

Project: WMOOSE
Shipment ID:
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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Greg Davidson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



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



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Project:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000286.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
116282	Soil	1.0	21.0	12.6	63	<0.1	22.7	11.2	330	3.40	10.6	0.7	1.2	10.2	7	0.2	1.0	0.2	51	0.06	0.021
116283	Soil	1.0	17.0	10.5	54	<0.1	13.8	6.6	301	2.84	5.6	0.8	0.6	5.7	8	<0.1	0.9	0.3	60	0.08	0.027
116284	Soil	0.7	17.8	10.7	51	<0.1	16.9	7.3	244	2.77	9.0	0.9	0.7	6.9	11	<0.1	0.9	0.2	48	0.11	0.027
116285	Soil	0.9	17.5	10.1	55	<0.1	18.7	9.6	309	3.06	8.6	1.0	2.0	11.0	10	0.1	1.2	0.2	51	0.09	0.020
116286	Soil	0.9	11.1	9.7	46	<0.1	13.9	6.1	239	2.85	7.9	0.8	1.9	6.0	10	<0.1	0.8	0.3	54	0.09	0.030
116287	Soil	1.0	17.7	8.3	63	<0.1	19.1	10.3	499	3.02	6.4	1.5	0.7	12.7	12	<0.1	1.0	0.2	48	0.12	0.023
116288	Soil	0.9	11.3	9.6	37	<0.1	10.7	4.6	164	2.26	7.4	0.8	1.2	3.6	8	<0.1	0.8	0.2	48	0.08	0.038
116289	Soil	1.0	18.9	9.9	57	<0.1	15.5	7.7	343	3.45	6.6	1.5	0.5	7.7	12	0.1	1.0	0.3	59	0.12	0.049
116290	Soil	1.1	20.5	8.9	62	<0.1	16.6	8.0	346	3.47	7.2	1.8	0.7	7.9	13	0.1	1.1	0.3	59	0.15	0.052
116291	Soil	0.8	13.4	8.3	56	<0.1	13.3	7.3	323	3.05	6.5	1.2	2.0	7.9	10	<0.1	0.6	0.2	55	0.12	0.044
116292	Soil	0.9	11.6	6.5	59	<0.1	13.9	8.2	423	3.11	4.4	1.5	1.5	11.5	9	<0.1	0.6	0.3	48	0.14	0.053
116293	Soil	0.9	14.9	9.8	49	<0.1	14.8	6.3	241	2.48	7.1	1.9	4.1	8.9	10	<0.1	0.5	0.3	47	0.10	0.045
116294	Soil	2.2	22.6	12.3	77	0.2	21.5	6.2	395	3.30	7.9	4.5	3.9	16.4	13	0.2	0.6	0.5	50	0.12	0.044
116295	Soil	2.4	256.5	11.3	139	0.1	27.3	13.1	686	5.03	4.8	10.5	1.6	22.6	10	0.1	1.2	1.0	63	0.10	0.059
116296	Soil	2.0	76.6	11.5	161	0.4	9.0	3.2	257	4.01	5.9	1.7	4.0	15.1	15	<0.1	0.5	1.8	36	0.05	0.054
116297	Soil	4.5	187.2	32.2	122	0.5	11.8	6.2	387	4.88	26.2	2.2	2.4	19.8	15	<0.1	2.0	1.4	66	0.06	0.060
116298	Soil	2.0	76.2	13.1	114	<0.1	12.3	6.1	328	3.63	7.1	1.0	1.3	15.5	9	<0.1	0.5	0.9	40	0.05	0.031
116299	Soil	2.1	41.1	14.4	84	<0.1	15.3	6.4	258	3.05	8.8	1.2	5.1	9.0	12	0.1	0.5	0.8	50	0.08	0.029
116300	Soil	2.0	58.4	46.7	200	0.1	26.7	9.4	537	3.13	10.0	2.8	1.4	14.8	16	0.1	0.5	1.0	43	0.11	0.066
116301	Soil	1.8	44.5	12.3	107	0.2	17.2	7.3	285	2.98	14.5	2.3	2.6	10.6	14	0.1	0.8	0.6	44	0.10	0.042
116302	Soil	3.1	35.5	16.1	69	0.1	17.3	7.6	243	3.12	18.7	1.3	4.1	7.9	13	<0.1	0.8	0.6	41	0.07	0.036
116303	Soil	4.1	46.2	19.1	85	0.2	15.6	4.9	177	3.12	22.4	1.1	3.8	9.9	12	<0.1	1.3	0.7	33	0.05	0.030
116304	Soil	2.7	51.4	12.1	111	0.4	28.7	7.1	261	3.19	8.6	2.1	3.9	8.0	13	0.1	0.7	0.5	55	0.08	0.036
116305	Soil	1.7	77.6	6.2	91	0.3	13.6	9.0	409	4.44	5.5	0.9	6.7	3.4	11	0.1	0.4	0.4	51	0.12	0.038
116306	Soil	2.1	71.8	4.8	103	0.1	15.2	20.1	807	5.87	4.0	0.8	1.8	3.4	10	0.2	0.3	0.5	83	0.09	0.055
116307	Soil	1.2	13.7	19.3	62	0.1	13.9	5.9	236	2.67	8.5	1.9	2.2	17.9	8	<0.1	0.8	0.2	36	0.08	0.016
116308	Soil	1.2	18.5	18.5	72	0.1	20.0	8.9	287	3.51	10.5	2.0	3.3	18.6	12	<0.1	0.7	0.2	55	0.10	0.014
116309	Soil	1.1	31.5	17.1	72	<0.1	23.2	9.6	326	3.14	10.6	4.7	3.9	26.5	15	<0.1	0.8	0.2	55	0.11	0.014
116310	Soil	0.9	18.9	10.8	50	<0.1	20.1	8.3	235	2.59	9.4	1.0	1.6	4.9	14	<0.1	0.6	0.2	53	0.12	0.025
116311	Soil	1.1	14.2	16.1	53	<0.1	16.0	6.3	202	2.60	10.1	1.8	3.7	10.8	13	<0.1	0.9	0.2	44	0.09	0.013



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
116282	Soil	13	34	0.70	217	0.108	1	2.35	0.006	0.22	0.1	0.04	3.6	0.2	<0.05	6	0.5	<0.2
116283	Soil	13	34	0.83	277	0.161	<1	1.63	0.006	0.34	0.1	0.02	4.1	0.2	<0.05	9	<0.5	<0.2
116284	Soil	25	26	0.53	237	0.061	1	1.60	0.005	0.09	0.1	0.06	3.5	0.1	<0.05	6	<0.5	<0.2
116285	Soil	19	31	0.63	241	0.079	<1	1.91	0.006	0.12	0.2	0.04	4.4	0.2	<0.05	6	0.9	<0.2
116286	Soil	12	27	0.57	232	0.083	<1	1.60	0.006	0.14	0.1	0.04	3.4	0.1	<0.05	8	<0.5	<0.2
116287	Soil	53	29	0.78	408	0.116	<1	1.59	0.007	0.28	0.1	0.03	4.9	0.2	<0.05	7	<0.5	<0.2
116288	Soil	11	22	0.39	125	0.063	<1	1.28	0.005	0.07	0.2	0.03	2.4	<0.1	<0.05	7	0.6	<0.2
116289	Soil	29	31	0.86	472	0.141	<1	1.94	0.007	0.43	0.1	0.02	4.6	0.3	<0.05	10	<0.5	<0.2
116290	Soil	36	33	0.87	574	0.141	1	1.94	0.006	0.46	0.1	0.03	4.8	0.3	<0.05	10	<0.5	<0.2
116291	Soil	24	29	0.74	346	0.143	<1	1.67	0.006	0.32	0.1	0.02	4.1	0.2	<0.05	9	0.5	<0.2
116292	Soil	41	27	0.91	477	0.176	<1	1.71	0.007	0.60	0.2	0.02	5.2	0.3	<0.05	9	<0.5	<0.2
116293	Soil	30	26	0.50	260	0.091	<1	1.60	0.006	0.12	0.1	0.03	3.5	0.1	<0.05	7	<0.5	<0.2
116294	Soil	91	36	0.95	430	0.129	<1	2.19	0.008	0.45	0.1	0.06	4.9	0.3	<0.05	11	0.9	<0.2
116295	Soil	101	46	1.13	653	0.235	<1	2.14	0.007	1.27	<0.1	0.02	5.5	0.6	<0.05	9	0.6	<0.2
116296	Soil	31	19	0.59	334	0.109	<1	1.21	0.013	0.52	<0.1	0.06	2.3	0.4	0.35	7	<0.5	<0.2
116297	Soil	54	20	0.88	397	0.157	<1	1.65	0.017	0.75	0.1	0.07	5.2	0.7	0.35	8	<0.5	<0.2
116298	Soil	29	22	0.58	234	0.114	<1	1.39	0.008	0.40	<0.1	0.02	2.9	0.3	0.18	7	<0.5	<0.2
116299	Soil	17	26	0.57	286	0.099	<1	1.51	0.006	0.19	0.1	0.03	3.1	0.2	<0.05	7	<0.5	<0.2
116300	Soil	47	31	1.10	439	0.152	<1	1.74	0.012	0.68	0.1	0.04	4.1	0.5	0.13	7	0.8	<0.2
116301	Soil	27	26	0.62	297	0.097	<1	1.38	0.008	0.30	0.1	0.06	3.3	0.6	0.06	5	<0.5	<0.2
116302	Soil	18	24	0.41	244	0.051	<1	1.35	0.021	0.13	0.1	0.05	2.4	0.3	0.19	5	0.8	<0.2
116303	Soil	21	20	0.42	237	0.063	<1	1.12	0.015	0.21	0.1	0.04	2.2	0.5	0.22	5	0.7	<0.2
116304	Soil	21	38	0.90	453	0.123	<1	1.80	0.009	0.47	0.1	0.11	5.2	0.5	0.05	7	1.0	<0.2
116305	Soil	9	19	0.85	517	0.136	<1	1.66	0.008	0.59	0.2	0.04	8.4	0.3	0.05	8	0.5	<0.2
116306	Soil	7	63	1.59	1223	0.235	<1	2.38	0.014	1.33	0.2	0.02	14.6	0.4	<0.05	11	0.5	<0.2
116307	Soil	21	21	0.37	169	0.064	<1	1.54	0.005	0.13	0.1	0.03	2.7	0.3	<0.05	5	<0.5	<0.2
116308	Soil	37	34	0.51	245	0.069	<1	2.03	0.006	0.13	0.1	0.03	3.8	0.3	<0.05	7	0.5	<0.2
116309	Soil	80	37	0.50	314	0.059	<1	1.80	0.006	0.07	0.1	0.09	6.0	0.2	<0.05	6	<0.5	<0.2
116310	Soil	13	29	0.43	186	0.047	<1	1.44	0.006	0.03	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
116311	Soil	22	23	0.38	143	0.026	3	1.39	0.005	0.06	0.1	0.03	2.4	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
116312	Soil	1.4	10.6	12.3	55	<0.1	11.0	5.6	244	3.46	10.6	1.0	<0.5	6.7	9	<0.1	0.8	0.2	56	0.08	0.020
116313	Soil	1.3	13.9	17.5	112	<0.1	10.2	9.6	346	4.11	8.6	4.5	0.6	23.0	7	<0.1	1.3	<0.1	33	0.04	0.025
116314	Soil	2.0	15.7	14.4	72	<0.1	20.6	7.4	416	2.98	11.8	1.8	0.6	3.6	15	0.2	0.8	0.2	53	0.12	0.069
116315	Soil	2.1	15.5	16.8	75	<0.1	22.1	7.6	336	3.19	13.2	2.1	<0.5	6.6	11	0.2	0.8	0.2	55	0.10	0.060
116316	Soil	1.1	12.5	17.7	47	0.2	17.6	8.2	203	3.40	9.2	1.2	<0.5	7.1	10	<0.1	0.5	0.2	72	0.09	0.025
116317	Soil	1.3	16.2	16.1	99	<0.1	19.7	10.5	482	4.93	7.7	1.6	1.5	22.4	18	<0.1	0.6	0.1	52	0.23	0.074
116318	Soil	1.9	31.9	16.7	66	0.1	10.0	6.7	687	3.09	6.0	0.5	<0.5	8.6	7	0.1	0.4	0.8	48	0.11	0.067
116319	Soil	1.4	20.6	15.2	71	0.2	22.9	9.4	235	3.18	13.2	0.7	1.1	4.9	15	0.2	1.0	0.2	71	0.12	0.023
116320	Soil	1.0	32.7	14.9	147	<0.1	20.3	26.9	1302	6.26	9.9	1.2	0.7	17.9	22	0.2	0.6	<0.1	78	0.49	0.210
116321	Soil	2.2	27.1	10.6	131	<0.1	19.9	19.1	661	5.48	8.5	1.2	<0.5	12.0	17	<0.1	0.3	<0.1	70	0.39	0.130
116322	Soil	1.0	16.2	7.6	109	<0.1	26.4	19.3	802	4.83	3.0	1.1	1.0	9.6	20	0.1	0.3	<0.1	65	0.91	0.170
116323	Soil	1.5	11.8	12.8	39	0.1	13.5	7.7	220	3.25	9.7	0.5	2.0	4.1	12	0.1	0.6	0.2	75	0.11	0.040
116324	Soil	1.2	10.1	11.9	48	<0.1	12.9	6.8	247	2.73	7.5	0.5	0.8	4.0	15	<0.1	0.3	0.2	71	0.18	0.061
116325	Soil	1.1	13.4	10.3	64	<0.1	15.7	8.2	268	3.55	10.0	0.4	<0.5	3.5	11	<0.1	0.6	0.2	73	0.14	0.038
116326	Soil	1.0	15.0	11.7	62	<0.1	10.7	8.8	396	2.73	7.0	0.4	1.1	3.1	14	0.1	0.4	0.2	62	0.17	0.079
116327	Soil	1.6	12.1	16.7	68	<0.1	13.6	10.4	465	3.80	9.8	0.4	<0.5	3.2	11	<0.1	0.5	0.2	82	0.12	0.062
116328	Soil	1.3	17.0	11.4	50	<0.1	18.0	10.5	302	3.31	9.9	1.0	2.1	5.3	17	<0.1	0.8	0.2	71	0.19	0.030
116329	Soil	0.6	20.6	8.6	121	<0.1	18.9	18.8	812	5.64	3.1	1.4	1.1	15.9	37	<0.1	0.6	<0.1	72	0.66	0.176
116330	Soil	1.5	37.6	13.3	102	<0.1	25.4	19.5	800	5.33	14.2	2.2	2.8	13.5	19	<0.1	2.2	0.1	96	0.30	0.105
116331	Soil	1.1	11.4	11.5	53	0.1	11.4	7.1	250	3.28	6.0	0.4	<0.5	3.0	15	<0.1	0.4	0.2	74	0.17	0.045
116332	Soil	1.0	12.4	12.2	106	<0.1	14.2	10.4	512	4.29	4.6	0.4	1.0	2.2	14	0.2	0.4	0.1	78	0.16	0.088
116333	Soil	1.4	19.7	8.8	105	<0.1	20.0	19.7	624	5.70	3.1	0.9	<0.5	15.3	24	<0.1	0.3	<0.1	77	0.48	0.169
116334	Soil	1.3	16.4	9.1	89	<0.1	21.2	18.8	544	4.12	13.3	0.8	5.9	6.4	15	0.1	1.3	0.1	67	0.30	0.119
116335	Soil	0.6	29.4	17.6	83	<0.1	47.6	21.7	642	5.41	9.7	3.0	0.6	29.1	17	0.1	3.5	0.1	88	0.20	0.023
116336	Soil	2.0	30.6	8.6	197	<0.1	32.7	13.8	257	4.15	9.1	1.4	1.6	4.1	15	0.7	1.1	0.1	111	0.22	0.036
116337	Soil	0.7	13.7	10.1	74	<0.1	16.2	9.7	287	3.12	7.8	0.8	1.9	5.3	18	0.2	0.6	0.1	54	0.24	0.072
116338	Soil	1.8	23.7	18.6	82	0.9	19.9	5.8	191	3.02	21.0	0.8	1.4	3.1	12	0.6	2.4	0.3	88	0.08	0.050
116339	Soil	2.1	29.3	20.5	95	<0.1	30.7	9.6	214	3.10	52.8	1.7	3.3	10.6	19	0.3	11.3	0.3	57	0.09	0.024
116340	Soil	1.8	28.7	18.8	89	<0.1	29.4	9.9	249	3.22	49.2	1.5	2.7	9.5	17	0.2	10.1	0.3	55	0.09	0.023
116341	Soil	3.9	19.6	21.8	74	0.2	18.5	4.7	237	2.52	63.4	0.8	2.9	0.5	16	0.5	10.7	0.3	71	0.06	0.060



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
116312	Soil	13	23	0.40	127	0.083	<1	1.36	0.004	0.14	0.1	0.02	2.6	0.2	<0.05	8	<0.5
116313	Soil	73	20	0.60	269	0.164	<1	2.00	0.004	0.57	<0.1	0.15	5.9	0.8	<0.05	9	0.6
116314	Soil	12	28	0.32	155	0.045	<1	1.23	0.005	0.10	0.1	0.02	2.0	0.2	<0.05	7	0.6
116315	Soil	13	30	0.36	130	0.051	<1	1.46	0.005	0.11	<0.1	0.02	2.5	0.2	<0.05	7	<0.5
116316	Soil	12	36	0.34	195	0.038	<1	2.43	0.007	0.04	<0.1	0.02	3.0	0.1	<0.05	8	<0.5
116317	Soil	71	30	0.82	341	0.195	2	2.72	0.008	0.63	0.2	0.02	8.2	0.7	<0.05	10	<0.5
116318	Soil	5	28	0.71	149	0.153	2	1.36	0.006	0.48	0.2	<0.01	3.0	0.6	<0.05	8	<0.5
116319	Soil	13	40	0.51	231	0.051	2	2.57	0.006	0.05	0.1	0.04	3.9	0.1	<0.05	6	<0.5
116320	Soil	27	85	1.80	301	0.169	1	3.84	0.010	1.17	0.1	0.02	6.7	0.8	<0.05	13	<0.5
116321	Soil	33	79	1.65	193	0.172	1	3.26	0.007	1.27	<0.1	<0.01	5.6	1.0	<0.05	12	<0.5
116322	Soil	31	64	1.52	492	0.150	<1	2.62	0.007	1.15	<0.1	0.01	6.9	0.8	<0.05	10	<0.5
116323	Soil	10	34	0.37	162	0.068	1	2.12	0.008	0.06	0.1	0.02	2.8	0.1	<0.05	7	<0.5
116324	Soil	12	42	0.73	146	0.110	1	1.76	0.008	0.18	0.1	0.02	2.5	0.2	<0.05	8	<0.5
116325	Soil	11	45	0.75	147	0.117	1	1.95	0.007	0.19	0.1	0.01	2.4	0.2	<0.05	7	<0.5
116326	Soil	12	35	0.70	155	0.098	1	1.67	0.008	0.20	<0.1	0.01	2.4	0.2	<0.05	8	<0.5
116327	Soil	9	46	0.67	168	0.103	1	2.00	0.008	0.14	0.1	0.02	2.3	0.2	<0.05	8	<0.5
116328	Soil	15	47	0.56	311	0.084	1	1.95	0.007	0.09	<0.1	0.03	4.4	0.2	<0.05	6	<0.5
116329	Soil	44	70	1.73	510	0.145	1	3.32	0.008	1.38	<0.1	0.02	11.4	1.0	<0.05	12	<0.5
116330	Soil	47	97	0.52	305	0.024	2	1.75	0.005	0.18	0.2	0.25	12.9	0.2	<0.05	5	0.5
116331	Soil	11	32	0.66	175	0.141	1	1.74	0.009	0.22	0.2	0.02	2.3	0.2	<0.05	9	<0.5
116332	Soil	5	44	0.91	158	0.179	1	2.63	0.014	0.19	0.1	0.03	2.0	0.3	<0.05	12	<0.5
116333	Soil	59	71	1.57	204	0.034	2	3.27	0.006	0.26	<0.1	0.01	8.9	0.4	<0.05	14	<0.5
116334	Soil	11	53	1.08	206	0.146	2	2.77	0.008	0.51	0.1	0.05	3.9	0.4	<0.05	8	<0.5
116335	Soil	92	94	1.40	788	0.258	1	2.95	0.009	0.85	0.2	0.11	13.8	0.6	<0.05	10	<0.5
116336	Soil	12	43	0.78	566	0.108	1	2.54	0.011	0.14	0.1	0.02	6.5	0.3	<0.05	7	0.6
116337	Soil	17	37	0.84	166	0.095	2	2.13	0.009	0.26	0.2	0.03	2.5	0.2	<0.05	7	<0.5
116338	Soil	12	29	0.27	255	0.038	<1	1.75	0.004	0.04	0.2	0.05	3.0	0.2	<0.05	7	<0.5
116339	Soil	24	36	0.49	341	0.047	3	2.09	0.006	0.09	0.1	0.06	4.2	0.3	<0.05	5	0.9
116340	Soil	21	34	0.45	326	0.045	3	2.08	0.009	0.08	0.1	0.07	4.0	0.3	<0.05	5	0.7
116341	Soil	12	29	0.21	156	0.033	2	1.03	0.005	0.05	0.1	0.04	1.5	0.2	<0.05	6	1.4



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
116342	Soil	1.0	25.9	10.0	83	<0.1	33.1	10.7	433	2.92	8.9	0.9	8.4	3.9	20	0.1	0.6	0.2	64	0.28	0.076
116343	Soil	0.7	17.2	9.5	72	<0.1	65.4	11.8	368	2.81	5.9	0.7	1.9	3.0	15	0.1	0.4	0.1	59	0.21	0.051
116344	Soil	0.9	18.6	10.8	61	<0.1	72.6	12.3	484	2.57	5.9	0.7	0.6	1.9	16	0.1	0.3	0.2	58	0.19	0.041
116345	Soil	0.5	21.0	8.4	59	<0.1	221.1	19.1	403	2.84	7.1	0.6	1.8	3.4	16	<0.1	0.5	0.1	51	0.15	0.024
116346	Soil	0.8	21.9	9.8	62	<0.1	93.5	13.2	367	2.78	8.2	0.7	0.9	4.9	15	<0.1	0.5	0.1	54	0.15	0.035
116347	Soil	1.0	18.6	16.1	70	<0.1	89.5	12.5	355	3.10	8.6	0.6	2.7	4.2	15	0.1	0.4	0.2	64	0.13	0.027
116348	Soil	1.1	20.1	13.2	68	<0.1	81.3	12.3	367	3.18	8.7	0.8	1.8	3.7	15	0.1	0.4	0.2	68	0.15	0.041
116349	Soil	1.1	18.1	11.5	65	<0.1	35.5	8.5	262	2.81	8.4	1.0	1.4	3.9	14	0.1	0.3	0.2	67	0.16	0.046
116350	Soil	0.8	15.5	9.3	75	<0.1	21.0	8.7	344	3.06	7.1	0.6	0.6	3.0	11	<0.1	0.3	0.2	76	0.14	0.042
116351	Soil	1.1	16.6	10.8	61	0.1	21.0	10.1	425	2.92	7.3	0.6	2.2	3.3	12	0.2	0.4	0.2	70	0.14	0.038
116352	Soil	1.1	30.1	6.8	103	<0.1	28.0	19.7	683	4.11	4.6	0.5	0.7	2.7	10	0.1	0.5	0.2	103	0.24	0.067
116353	Soil	1.0	16.5	9.7	67	<0.1	18.7	8.6	281	3.14	8.1	0.6	1.9	3.4	11	0.1	0.6	0.2	68	0.15	0.023
116354	Soil	1.2	25.0	11.4	69	<0.1	23.8	12.1	396	3.26	10.7	1.3	3.1	6.7	12	<0.1	0.7	0.2	69	0.13	0.030
116355	Soil	1.1	21.4	12.2	116	0.1	13.9	9.8	569	4.28	4.9	0.8	<0.5	6.7	11	0.1	1.1	0.2	58	0.20	0.058
116356	Soil	1.0	16.9	10.4	52	<0.1	19.6	9.0	272	2.81	8.7	0.9	3.4	7.7	12	0.1	0.6	0.2	53	0.17	0.044
116357	Soil	0.9	26.1	9.5	61	<0.1	20.7	11.6	380	2.71	8.9	1.2	3.0	5.3	15	<0.1	0.8	0.1	59	0.20	0.041
116358	Soil	1.0	10.1	13.3	40	<0.1	9.4	4.5	180	2.16	7.4	0.6	1.8	2.0	7	<0.1	0.4	0.2	74	0.07	0.038
116359	Soil	0.5	50.8	13.9	81	<0.1	50.2	24.7	593	4.65	6.1	0.8	<0.5	7.6	12	0.1	4.2	0.2	118	0.19	0.043
116360	Soil	0.9	10.5	9.9	38	<0.1	12.9	7.6	251	2.59	5.6	0.5	1.2	2.8	10	<0.1	1.2	0.2	76	0.13	0.028
116361	Soil	0.5	22.8	6.3	78	<0.1	26.1	15.8	547	3.34	4.3	0.8	1.4	4.0	14	<0.1	0.7	<0.1	79	0.23	0.032
116362	Soil	1.0	11.4	7.4	44	<0.1	10.6	5.7	222	1.84	3.6	0.3	<0.5	1.1	9	<0.1	0.2	0.1	59	0.13	0.022
116363	Soil	1.5	14.0	10.3	50	0.1	16.8	8.6	226	3.02	9.7	0.6	1.7	4.0	10	<0.1	0.6	0.2	68	0.11	0.022
116364	Soil	0.4	25.5	6.9	92	<0.1	27.7	20.4	718	3.96	4.0	0.5	1.6	3.3	12	0.1	0.4	<0.1	89	0.24	0.051
116365	Soil	0.4	26.5	7.1	87	<0.1	25.5	17.9	675	3.90	3.9	0.6	0.7	3.7	13	<0.1	0.4	<0.1	90	0.28	0.048
116366	Soil	0.9	13.0	10.5	55	<0.1	17.2	8.2	205	2.86	8.7	0.5	1.2	3.6	12	<0.1	0.6	0.1	56	0.18	0.035
116367	Soil	1.3	14.2	12.2	42	<0.1	14.6	6.5	210	2.63	9.9	0.7	4.4	4.4	12	<0.1	0.7	0.2	62	0.13	0.022
116368	Soil	1.6	13.3	11.7	81	<0.1	12.8	8.9	527	3.69	7.7	0.6	<0.5	3.2	7	0.2	4.9	0.2	77	0.08	0.095
116369	Soil	1.2	17.5	11.4	60	<0.1	21.7	10.9	283	3.18	11.4	1.2	3.5	10.0	11	0.1	0.7	0.3	57	0.10	0.024
116370	Soil	1.2	13.0	12.7	47	<0.1	13.9	5.6	163	2.42	9.4	0.6	1.7	5.1	11	<0.1	0.9	0.2	56	0.12	0.018
116371	Soil	0.9	16.6	11.0	48	<0.1	16.5	7.1	196	2.58	8.6	0.8	3.8	5.4	11	0.1	0.9	0.2	56	0.11	0.016



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
116342	Soil	12	53	0.92	338	0.119	2	1.94	0.010	0.17	0.5	0.03	3.4	0.2	<0.05	6	0.5	<0.2
116343	Soil	10	110	1.26	294	0.125	1	1.98	0.009	0.20	0.4	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
116344	Soil	9	116	0.99	263	0.102	1	1.71	0.008	0.13	0.3	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
116345	Soil	12	233	1.40	268	0.103	2	1.79	0.009	0.08	0.2	0.02	3.8	0.2	<0.05	5	<0.5	<0.2
116346	Soil	12	107	0.89	230	0.094	2	1.88	0.009	0.09	0.2	0.03	3.8	0.2	<0.05	5	<0.5	<0.2
116347	Soil	9	126	1.05	180	0.124	1	2.03	0.008	0.13	0.2	0.01	3.4	0.2	<0.05	7	<0.5	<0.2
116348	Soil	11	125	0.92	220	0.116	1	2.02	0.009	0.15	0.4	0.04	3.3	0.2	<0.05	8	<0.5	<0.2
116349	Soil	12	57	0.77	221	0.108	2	1.89	0.008	0.11	0.6	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
116350	Soil	9	50	0.90	214	0.146	<1	1.93	0.007	0.27	0.5	0.02	2.6	0.2	<0.05	7	<0.5	<0.2
116351	Soil	10	50	0.82	249	0.120	1	1.89	0.008	0.16	0.4	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
116352	Soil	8	111	1.61	478	0.211	1	2.81	0.008	0.76	0.6	0.04	4.0	0.3	<0.05	7	<0.5	<0.2
116353	Soil	10	46	0.78	290	0.126	1	1.85	0.006	0.14	0.6	0.07	2.7	0.1	<0.05	6	<0.5	<0.2
116354	Soil	13	49	0.70	270	0.103	<1	2.43	0.008	0.10	0.8	0.07	4.1	0.2	<0.05	6	<0.5	<0.2
116355	Soil	9	35	1.19	479	0.241	<1	3.08	0.005	0.91	3.5	0.08	7.9	0.6	<0.05	10	<0.5	<0.2
116356	Soil	37	29	0.56	186	0.079	1	1.81	0.006	0.10	0.3	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
116357	Soil	22	42	0.62	313	0.089	<1	1.64	0.007	0.11	0.3	0.15	4.3	0.1	<0.05	5	<0.5	<0.2
116358	Soil	10	24	0.36	87	0.088	<1	1.24	0.004	0.12	0.2	0.03	1.4	0.1	<0.05	9	<0.5	<0.2
116359	Soil	17	165	1.77	768	0.238	1	3.00	0.007	0.79	0.3	0.07	10.9	0.5	<0.05	11	<0.5	<0.2
116360	Soil	9	32	0.54	245	0.110	<1	1.51	0.005	0.07	0.2	0.05	3.3	0.1	<0.05	7	<0.5	<0.2
116361	Soil	18	74	1.57	430	0.228	1	2.35	0.006	0.56	0.4	0.04	3.8	0.3	<0.05	8	<0.5	<0.2
116362	Soil	5	39	0.70	220	0.169	1	1.33	0.008	0.25	0.2	<0.01	1.2	0.1	<0.05	7	<0.5	<0.2
116363	Soil	11	38	0.49	171	0.082	<1	1.91	0.007	0.06	0.2	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
116364	Soil	37	101	1.90	485	0.195	<1	2.87	0.007	0.78	0.2	0.02	3.4	0.4	<0.05	9	<0.5	<0.2
116365	Soil	31	100	1.87	544	0.213	<1	2.99	0.007	0.89	0.2	<0.01	3.9	0.4	<0.05	10	<0.5	<0.2
116366	Soil	10	40	0.63	225	0.087	<1	1.69	0.007	0.10	0.2	0.13	2.7	0.1	<0.05	5	<0.5	<0.2
116367	Soil	16	28	0.32	312	0.057	<1	1.55	0.006	0.05	0.2	0.10	2.3	0.1	<0.05	6	<0.5	<0.2
116368	Soil	7	42	0.34	224	0.042	2	1.45	0.003	0.16	1.1	0.10	6.1	0.3	<0.05	7	<0.5	<0.2
116369	Soil	17	36	0.43	250	0.065	<1	2.30	0.005	0.07	0.2	0.10	4.1	0.1	<0.05	6	<0.5	<0.2
116370	Soil	18	25	0.34	281	0.061	<1	1.39	0.006	0.06	0.2	0.07	2.6	0.1	<0.05	6	<0.5	<0.2
116371	Soil	19	29	0.40	303	0.062	<1	1.55	0.007	0.06	0.2	0.07	3.0	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
116372	Soil	0.8	19.6	9.4	61	<0.1	19.0	8.6	308	2.43	6.1	1.4	3.0	7.1	13	<0.1	0.7	0.1	48	0.17	0.022
116373	Soil	1.0	25.4	13.0	67	<0.1	18.0	7.2	215	2.78	7.9	1.5	3.4	7.0	15	0.1	0.8	0.4	56	0.15	0.029
116374	Soil	0.9	12.1	8.3	58	<0.1	14.5	7.9	248	2.53	5.9	0.5	3.1	3.1	11	<0.1	0.5	0.1	57	0.16	0.039
116375	Soil	0.8	21.0	8.3	75	0.1	19.6	10.4	341	3.16	10.7	0.8	0.9	5.1	15	<0.1	0.5	0.2	78	0.27	0.049
116376	Soil	0.3	31.0	12.4	81	<0.1	17.5	12.3	421	3.12	1.6	1.1	<0.5	7.3	12	0.1	0.6	0.3	67	0.36	0.074
117124	Soil	1.1	8.4	16.1	51	<0.1	11.0	4.7	136	2.08	23.2	1.5	<0.5	12.9	7	<0.1	1.9	0.3	31	0.07	0.014
117125	Soil	1.6	97.2	172.5	60	0.3	12.0	6.6	260	1.94	42.2	3.4	<0.5	17.9	34	0.2	88.0	0.8	11	0.10	0.028
117126	Soil	1.2	44.8	25.1	112	<0.1	37.9	20.5	583	5.36	48.1	1.4	1.0	19.4	5	0.1	0.7	0.5	65	0.11	0.075
117127	Soil	0.2	32.0	22.3	60	<0.1	22.0	10.3	602	2.82	23.7	1.5	<0.5	20.6	15	<0.1	2.6	0.2	25	0.23	0.038
117128	Soil	0.7	23.6	10.3	67	<0.1	25.1	11.9	439	2.77	8.5	1.1	4.3	9.7	10	<0.1	0.9	0.2	44	0.13	0.031
117129	Soil	0.3	31.1	12.1	146	<0.1	42.1	22.2	992	4.88	4.1	1.0	0.9	16.3	13	0.2	0.7	0.2	47	0.27	0.075
117130	Soil	0.3	48.3	14.3	102	<0.1	41.3	19.6	852	4.33	7.1	1.5	<0.5	20.0	11	<0.1	0.9	0.5	41	0.20	0.055
117131	Soil	0.4	29.4	11.9	85	<0.1	31.3	14.4	478	3.69	9.2	1.3	2.4	16.7	12	<0.1	1.0	0.3	32	0.20	0.055
117132	Soil	0.2	31.8	24.5	121	<0.1	31.1	15.8	858	3.66	5.1	1.1	<0.5	19.3	15	0.1	0.5	0.3	30	0.30	0.062
117133	Soil	0.6	38.2	17.6	121	<0.1	48.0	25.0	954	4.42	11.2	1.1	0.6	16.3	9	<0.1	0.6	0.2	49	0.15	0.040
117134	Soil	0.5	45.1	17.1	123	<0.1	41.1	20.4	742	4.92	9.1	2.2	3.2	19.9	9	<0.1	0.4	0.5	56	0.16	0.071
117135	Soil	0.7	22.2	12.3	74	<0.1	23.1	12.0	407	3.28	15.0	1.1	4.8	9.9	10	0.1	0.6	0.3	45	0.12	0.051
117136	Soil	0.8	32.3	20.1	96	<0.1	33.4	17.2	613	4.13	17.5	1.6	38.7	15.5	11	<0.1	0.7	0.3	52	0.15	0.056
117137	Soil	0.4	54.1	22.2	109	<0.1	36.6	20.0	835	4.72	14.4	2.0	4.2	23.7	11	<0.1	0.5	0.5	57	0.19	0.080
117138	Soil	0.7	37.6	12.8	90	<0.1	32.7	15.8	478	3.58	15.2	2.1	5.8	16.7	12	0.1	0.6	0.3	45	0.16	0.059
117139	Soil	1.0	44.6	28.0	125	0.1	44.3	18.0	724	4.90	124.2	2.7	3.0	19.4	11	<0.1	2.8	0.4	44	0.22	0.081
117140	Soil	1.2	48.8	26.9	128	<0.1	43.0	19.1	867	4.71	151.6	2.9	3.9	18.4	11	0.1	3.4	0.4	43	0.20	0.072
117141	Soil	1.2	29.4	10.6	78	0.1	26.4	12.0	592	2.67	58.9	1.6	4.3	7.3	16	0.1	1.5	0.2	37	0.14	0.045
117142	Soil	1.8	52.9	22.8	145	<0.1	58.2	19.9	1073	3.99	108.0	2.2	3.8	12.0	28	0.2	5.9	0.3	32	0.04	0.051
117143	Soil	0.4	33.4	12.3	98	0.4	32.0	9.4	310	2.31	17.5	0.8	3.4	7.2	18	0.3	0.7	0.2	52	1.51	0.101
117144	Soil	0.6	51.9	10.9	119	0.5	38.5	13.4	730	2.97	31.1	3.6	4.3	6.7	20	0.2	1.1	0.2	52	0.62	0.083
117145	Soil	0.7	34.2	11.3	107	0.4	34.0	13.5	805	2.84	29.7	2.9	4.0	7.5	19	0.4	0.8	0.2	50	0.65	0.083
117146	Soil	0.4	20.6	14.6	93	0.1	29.2	12.6	581	3.50	20.1	1.4	1.3	16.9	10	<0.1	0.4	0.2	45	0.36	0.070
117147	Soil	1.2	26.5	10.3	105	0.2	33.7	8.5	265	2.82	50.5	1.6	3.2	9.6	13	0.2	0.8	0.2	37	0.19	0.041
117148	Soil	1.4	33.2	11.9	128	0.2	43.3	10.4	334	2.96	34.4	1.1	4.2	6.7	17	<0.1	0.6	0.2	46	0.24	0.051



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
116372	Soil	26	29	0.54	293	0.086	2	1.47	0.008	0.09	0.2	0.10	3.9	0.1	<0.05	5	<0.5	<0.2
116373	Soil	26	33	0.55	303	0.105	2	1.88	0.008	0.11	0.2	0.07	4.9	0.2	0.10	8	<0.5	<0.2
116374	Soil	8	43	0.69	246	0.095	<1	1.66	0.006	0.17	0.2	0.02	2.5	0.1	<0.05	7	<0.5	<0.2
116375	Soil	17	70	1.00	445	0.133	1	1.95	0.008	0.29	0.2	0.04	4.4	0.2	<0.05	8	<0.5	<0.2
116376	Soil	16	58	1.60	645	0.222	2	2.16	0.006	1.11	0.3	<0.01	4.8	0.5	<0.05	7	<0.5	<0.2
117124	Soil	11	21	0.29	83	0.022	1	1.48	0.004	0.05	0.2	0.04	1.7	0.2	<0.05	5	<0.5	<0.2
117125	Soil	51	13	0.17	108	0.010	3	0.78	0.003	0.13	0.1	0.20	2.2	0.3	<0.05	3	<0.5	<0.2
117126	Soil	10	48	1.19	174	0.300	<1	3.23	0.006	1.02	0.1	<0.01	3.1	0.8	<0.05	11	<0.5	<0.2
117127	Soil	52	26	0.81	206	0.153	<1	2.10	0.005	0.82	<0.1	<0.01	2.7	0.5	<0.05	7	<0.5	<0.2
117128	Soil	23	30	0.66	167	0.114	<1	1.74	0.007	0.31	0.1	0.03	3.0	0.3	<0.05	6	<0.5	<0.2
117129	Soil	32	61	1.43	257	0.294	<1	3.25	0.006	1.62	0.1	<0.01	3.7	0.8	0.15	10	<0.5	<0.2
117130	Soil	64	44	1.09	365	0.253	<1	2.53	0.005	1.33	<0.1	<0.01	4.6	0.8	<0.05	10	<0.5	<0.2
117131	Soil	52	37	0.87	212	0.189	<1	2.14	0.007	0.96	<0.1	0.02	3.1	0.6	<0.05	8	<0.5	<0.2
117132	Soil	44	39	0.90	254	0.179	<1	2.03	0.005	1.07	<0.1	<0.01	3.3	0.7	<0.05	8	<0.5	<0.2
117133	Soil	43	48	1.17	234	0.199	<1	2.65	0.007	1.12	0.1	0.01	4.2	0.6	<0.05	9	<0.5	<0.2
117134	Soil	70	52	1.13	307	0.257	<1	2.97	0.009	1.34	<0.1	0.02	4.3	0.7	<0.05	10	<0.5	<0.2
117135	Soil	41	35	0.66	135	0.125	<1	1.73	0.006	0.52	0.2	0.02	2.6	0.3	<0.05	6	0.5	<0.2
117136	Soil	58	42	0.90	228	0.168	1	2.43	0.008	0.77	0.1	0.02	3.3	0.5	<0.05	8	0.9	<0.2
117137	Soil	77	58	1.22	311	0.271	<1	2.99	0.011	1.31	<0.1	0.02	4.5	0.8	<0.05	10	<0.5	<0.2
117138	Soil	67	36	0.85	226	0.174	<1	2.01	0.007	0.81	0.2	0.01	4.8	0.4	<0.05	6	0.8	<0.2
117139	Soil	57	35	0.63	220	0.115	<1	1.49	0.004	0.73	<0.1	0.04	4.8	0.6	<0.05	7	0.6	<0.2
117140	Soil	56	33	0.60	212	0.112	1	1.41	0.004	0.75	<0.1	0.02	4.6	0.6	<0.05	6	0.7	<0.2
117141	Soil	29	24	0.34	199	0.029	1	1.16	0.005	0.05	0.1	0.08	3.3	0.3	<0.05	4	0.7	<0.2
117142	Soil	23	25	0.05	145	0.002	2	0.33	0.002	0.05	<0.1	0.03	4.1	0.2	<0.05	1	0.8	<0.2
117143	Soil	35	36	2.31	436	0.073	1	1.84	0.007	0.14	0.2	0.06	4.6	0.3	<0.05	5	0.5	<0.2
117144	Soil	58	31	1.28	826	0.078	2	1.91	0.009	0.12	0.1	0.11	6.0	0.2	<0.05	6	1.0	<0.2
117145	Soil	46	33	1.07	569	0.073	2	1.74	0.008	0.14	0.1	0.09	4.2	0.2	<0.05	5	0.9	<0.2
117146	Soil	26	41	0.83	263	0.204	<1	1.66	0.006	0.72	0.1	0.03	3.9	0.6	<0.05	7	<0.5	<0.2
117147	Soil	30	27	0.39	223	0.039	<1	1.05	0.006	0.07	<0.1	0.05	3.5	0.2	<0.05	3	1.0	<0.2
117148	Soil	25	28	0.52	460	0.052	1	1.14	0.010	0.10	<0.1	0.03	3.6	0.1	<0.05	5	0.9	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
117149	Soil	1.3	31.1	10.0	105	0.2	40.7	11.8	273	2.80	17.3	1.9	5.2	10.8	12	<0.1	0.5	0.2	38	0.26	0.064
117150	Soil	2.2	32.9	14.0	159	0.3	53.9	11.2	592	3.18	46.4	1.5	2.5	8.4	15	0.3	1.3	0.3	38	0.35	0.054
117151	Soil	1.1	28.6	18.5	71	<0.1	23.6	7.9	257	3.00	9.6	1.2	4.0	16.0	11	<0.1	0.7	0.3	48	0.09	0.013
117152	Soil	1.6	18.3	19.1	83	<0.1	22.7	6.6	270	2.80	11.7	1.6	1.5	9.9	7	<0.1	0.5	0.3	36	0.05	0.021
117153	Soil	1.2	53.9	22.0	115	<0.1	32.6	13.2	582	4.27	4.7	2.8	1.8	16.9	6	<0.1	0.2	0.3	44	0.09	0.031
117154	Soil	0.9	46.6	7.3	126	<0.1	10.8	15.0	1088	5.68	2.7	1.2	1.2	5.6	21	<0.1	0.1	<0.1	77	0.34	0.112
117155	Soil	0.5	17.0	13.3	108	<0.1	13.9	8.5	633	3.53	3.0	1.3	0.7	11.0	9	0.1	0.2	0.2	37	0.12	0.046
117156	Soil	0.8	47.0	8.7	55	<0.1	20.3	8.3	226	2.48	6.2	0.8	3.3	4.5	14	<0.1	0.4	0.1	48	0.16	0.018
117157	Soil	0.6	107.0	5.1	69	<0.1	38.7	19.3	606	3.22	1.3	0.4	5.5	3.2	20	<0.1	0.3	<0.1	85	0.45	0.060
117158	Soil	0.6	98.4	7.5	65	0.1	30.3	14.4	506	3.18	8.3	0.8	7.0	3.7	27	<0.1	0.4	0.1	74	0.38	0.055
117159	Soil	0.4	120.3	4.5	73	<0.1	22.1	16.3	339	3.45	3.5	0.7	1.8	2.4	32	<0.1	0.2	<0.1	101	0.53	0.069
117160	Soil	0.5	115.4	3.1	89	<0.1	28.4	21.2	400	4.20	2.8	0.6	3.3	2.8	37	<0.1	0.3	<0.1	108	0.55	0.040
117161	Soil	0.6	75.3	6.8	60	<0.1	21.5	13.8	336	3.02	6.1	0.6	2.2	3.6	22	<0.1	0.5	0.1	77	0.35	0.032
117162	Soil	0.7	55.3	8.5	60	<0.1	19.9	10.1	283	2.54	6.7	1.0	6.6	4.8	24	<0.1	0.5	0.1	59	0.37	0.049
117163	Soil	1.0	84.6	9.1	76	<0.1	22.4	17.9	466	3.67	10.0	0.8	3.1	4.2	31	0.2	0.6	0.1	85	0.46	0.070
117164	Soil	0.9	23.3	15.1	61	0.1	18.4	7.2	316	2.42	8.5	2.7	3.0	7.0	24	0.1	0.5	0.3	41	0.27	0.043
117165	Soil	1.1	23.3	15.8	59	0.1	19.1	8.3	374	2.48	9.3	2.8	3.2	7.7	24	0.1	0.5	0.3	42	0.26	0.043
117166	Soil	1.0	16.1	12.5	56	<0.1	17.0	5.5	239	2.13	8.1	2.2	2.6	8.6	17	0.1	0.5	0.2	33	0.18	0.025
117167	Soil	1.0	20.0	11.4	57	<0.1	19.9	8.2	286	2.37	12.6	3.3	6.3	7.4	21	<0.1	0.7	0.2	39	0.28	0.047
117168	Soil	0.7	6.5	12.6	78	<0.1	8.2	2.7	333	2.94	5.3	3.4	1.8	20.8	12	<0.1	0.3	0.1	11	0.18	0.048
117169	Soil	1.0	20.2	7.8	51	<0.1	19.9	6.0	176	2.01	8.4	1.5	3.1	5.2	20	<0.1	0.6	0.1	36	0.30	0.043
117170	Soil	0.9	30.9	7.4	51	<0.1	20.4	8.1	239	2.59	8.4	1.2	1.0	4.5	20	<0.1	1.1	0.1	55	0.32	0.041
117171	Soil	0.6	78.0	6.8	71	<0.1	28.9	14.4	422	3.31	7.5	1.1	21.3	4.1	24	0.2	0.6	<0.1	83	0.45	0.068
117172	Soil	0.5	16.8	13.2	99	<0.1	24.5	12.0	616	2.89	2.1	1.0	0.5	12.3	16	0.2	0.3	<0.1	35	0.36	0.068
117173	Soil	0.9	32.9	8.4	65	<0.1	25.3	8.2	231	2.53	8.9	1.1	4.1	5.9	24	0.1	0.6	0.2	51	0.36	0.053
117174	Soil	1.3	28.0	10.1	69	<0.1	29.8	9.8	249	2.63	20.8	1.1	2.5	6.0	22	0.2	0.9	0.1	51	0.34	0.061
117175	Soil	1.0	25.7	9.6	50	0.1	22.1	9.3	460	2.35	11.3	2.1	4.9	3.5	29	0.3	0.6	0.1	47	0.51	0.065
117176	Soil	1.4	49.7	11.9	73	<0.1	33.9	11.0	330	2.99	14.6	1.3	5.9	6.9	15	<0.1	0.9	0.2	63	0.12	0.018
117177	Soil	1.0	16.2	9.3	51	<0.1	17.6	7.4	233	2.57	9.1	0.9	3.8	8.0	13	<0.1	0.5	0.2	53	0.12	0.017
117178	Soil	0.6	6.6	8.8	40	<0.1	7.8	5.4	301	1.84	2.4	1.3	1.4	28.7	18	<0.1	0.2	<0.1	23	0.08	0.021



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
117149	Soil	35	31	0.61	277	0.052	<1	1.36	0.007	0.20	<0.1	0.03	3.2	0.2	<0.05	4	0.7
117150	Soil	38	29	0.32	270	0.031	<1	0.95	0.003	0.07	0.1	0.05	3.1	0.3	<0.05	3	0.6
117151	Soil	45	39	0.46	262	0.065	<1	1.83	0.006	0.17	<0.1	0.02	5.8	0.2	<0.05	6	0.6
117152	Soil	11	24	0.20	153	0.011	<1	1.26	0.004	0.11	<0.1	0.03	2.9	0.1	<0.05	4	0.8
117153	Soil	17	34	0.81	372	0.143	<1	1.77	0.006	0.85	<0.1	0.01	4.3	0.5	<0.05	6	<0.5
117154	Soil	53	22	1.23	818	0.254	<1	2.60	0.010	1.39	<0.1	0.01	3.7	0.4	<0.05	10	1.3
117155	Soil	24	31	0.75	371	0.144	<1	1.75	0.005	0.91	<0.1	<0.01	3.3	0.5	<0.05	7	<0.5
117156	Soil	22	29	0.65	313	0.077	<1	1.47	0.007	0.12	0.1	0.02	2.5	<0.1	<0.05	4	<0.5
117157	Soil	8	59	1.31	297	0.046	<1	1.71	0.009	0.31	<0.1	0.02	7.0	0.1	<0.05	5	0.7
117158	Soil	12	36	1.11	323	0.073	<1	1.66	0.014	0.08	0.1	0.04	4.5	<0.1	<0.05	5	0.6
117159	Soil	11	25	1.14	434	0.104	<1	1.86	0.016	0.25	<0.1	0.01	4.0	<0.1	<0.05	6	<0.5
117160	Soil	6	41	1.36	507	0.180	<1	2.26	0.018	0.40	<0.1	0.02	3.9	<0.1	<0.05	7	0.6
117161	Soil	11	31	0.76	292	0.067	<1	1.68	0.012	0.08	<0.1	0.01	4.5	<0.1	<0.05	5	<0.5
117162	Soil	14	28	0.60	318	0.061	<1	1.35	0.012	0.07	0.1	0.03	4.1	<0.1	<0.05	4	<0.5
117163	Soil	12	29	0.74	427	0.070	<1	1.70	0.018	0.18	<0.1	0.02	4.9	<0.1	<0.05	6	0.7
117164	Soil	32	27	0.32	487	0.031	<1	1.53	0.006	0.08	0.1	0.06	3.9	0.2	<0.05	5	<0.5
117165	Soil	32	30	0.33	498	0.032	<1	1.51	0.008	0.08	0.1	0.05	4.1	0.1	<0.05	5	0.7
117166	Soil	23	24	0.26	292	0.032	<1	1.04	0.006	0.11	<0.1	0.04	3.6	<0.1	<0.05	4	<0.5
117167	Soil	21	27	0.39	440	0.034	<1	1.26	0.007	0.10	0.1	0.04	3.4	<0.1	<0.05	4	0.6
117168	Soil	66	9	0.16	668	0.023	<1	1.07	0.007	0.37	<0.1	0.04	3.8	0.2	<0.05	6	0.6
117169	Soil	17	26	0.38	306	0.042	2	1.03	0.009	0.05	0.2	0.03	2.6	<0.1	<0.05	3	<0.5
117170	Soil	14	28	0.50	315	0.033	3	1.31	0.007	0.07	0.1	0.02	4.0	<0.1	<0.05	4	<0.5
117171	Soil	10	36	0.82	325	0.064	<1	1.64	0.020	0.16	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5
117172	Soil	20	41	0.98	458	0.071	2	1.52	0.006	0.48	<0.1	<0.01	3.3	0.2	<0.05	6	<0.5
117173	Soil	19	34	0.54	344	0.051	2	1.44	0.012	0.09	0.1	0.04	4.3	<0.1	<0.05	4	<0.5
117174	Soil	16	36	0.55	278	0.059	2	1.23	0.013	0.11	0.4	0.03	3.6	<0.1	<0.05	4	<0.5
117175	Soil	14	28	0.43	340	0.047	<1	1.40	0.011	0.04	0.2	0.05	3.3	<0.1	<0.05	4	<0.5
117176	Soil	22	36	0.56	405	0.056	4	1.79	0.009	0.06	0.2	0.09	7.0	<0.1	<0.05	5	<0.5
117177	Soil	21	33	0.49	208	0.074	2	1.61	0.007	0.07	0.1	0.02	4.3	0.1	<0.05	5	<0.5
117178	Soil	54	16	0.30	146	0.029	6	0.98	0.003	0.23	<0.1	0.02	5.4	0.4	<0.05	4	<0.5



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
117179	Soil	1.0	17.8	12.3	56	<0.1	17.3	7.9	241	2.70	9.3	1.3	3.1	20.9	11	<0.1	0.5	0.2	52	0.11	0.015
117180	Soil	0.9	11.3	13.7	49	<0.1	11.7	5.6	198	2.34	6.2	1.0	0.9	21.1	8	<0.1	0.5	0.4	35	0.08	0.016
117181	Soil	1.2	9.3	18.0	52	<0.1	8.3	4.5	205	1.86	6.0	1.4	2.3	18.1	7	<0.1	0.5	0.2	21	0.08	0.020
117182	Soil	2.5	71.3	14.6	199	0.2	67.9	15.5	739	2.29	67.9	1.1	4.3	4.5	9	0.2	1.0	0.2	41	0.18	0.082
117183	Soil	1.4	50.3	18.0	125	0.2	37.6	9.3	233	3.21	38.2	2.4	2.4	14.1	8	0.2	2.5	0.2	59	0.29	0.091
117184	Soil	2.4	38.4	16.9	144	<0.1	34.0	12.1	468	4.30	12.2	1.2	1.7	10.3	5	0.1	0.7	0.2	48	0.16	0.076
117185	Soil	1.3	23.9	16.3	98	0.2	25.0	8.0	349	2.11	24.0	1.2	2.1	5.1	13	0.2	0.7	0.1	29	0.06	0.045
117186	Soil	0.8	22.9	11.6	84	<0.1	117.0	20.1	299	3.75	9.5	0.9	1.6	9.7	33	<0.1	0.2	0.3	59	0.75	0.046
117187	Soil	0.4	35.4	13.1	92	<0.1	30.4	17.7	720	4.77	9.1	1.3	<0.5	22.9	12	<0.1	0.2	0.2	69	0.33	0.086
117188	Soil	0.7	7.4	12.0	98	<0.1	8.1	8.5	528	4.00	13.2	4.4	<0.5	52.2	11	<0.1	0.2	0.3	38	0.32	0.101
117189	Soil	1.7	21.4	13.3	91	<0.1	12.3	10.2	628	4.31	10.9	1.9	1.0	22.0	13	0.1	0.5	0.1	42	0.32	0.126
117190	Soil	1.6	20.8	11.7	86	<0.1	11.3	9.7	571	4.19	7.3	1.8	<0.5	20.6	13	<0.1	0.4	0.1	40	0.33	0.116
117191	Soil	1.4	9.1	11.2	103	<0.1	14.6	11.5	722	4.86	6.6	1.4	<0.5	31.5	13	<0.1	0.4	<0.1	52	0.34	0.115
117192	Soil	1.7	6.8	11.4	84	<0.1	9.4	7.5	334	3.72	9.5	4.7	<0.5	49.8	13	<0.1	0.6	0.3	37	0.26	0.074
117193	Soil	1.7	25.5	9.0	110	<0.1	16.1	12.7	607	4.76	7.0	1.6	<0.5	26.1	17	0.1	0.4	<0.1	59	0.41	0.131
117194	Soil	2.2	52.0	13.4	82	0.2	34.4	12.5	452	3.66	14.5	4.8	5.2	36.6	15	0.1	1.0	0.2	70	0.15	0.032
117195	Soil	1.2	25.2	22.6	77	<0.1	25.4	11.3	464	3.12	25.8	1.9	1.1	22.3	7	<0.1	1.2	0.2	27	0.14	0.043
117196	Soil	0.8	29.4	18.5	72	0.1	29.4	11.9	435	3.24	28.3	1.1	2.3	20.9	8	<0.1	1.1	0.3	33	0.25	0.062
117197	Soil	0.8	40.9	10.4	100	<0.1	29.7	12.6	555	4.55	38.5	2.0	0.6	23.7	12	<0.1	1.2	0.2	45	0.42	0.059
117198	Soil	0.4	24.7	20.9	91	<0.1	56.7	20.3	540	3.61	2.5	1.0	11.2	24.2	8	<0.1	0.1	1.7	45	0.39	0.094
117199	Soil	1.6	27.6	18.1	84	<0.1	30.5	12.8	431	3.54	7.7	2.9	1.6	19.8	9	<0.1	0.7	0.2	34	0.08	0.023
117200	Soil	6.4	23.0	20.5	90	<0.1	28.3	15.1	551	4.17	27.4	3.5	1.6	22.8	17	<0.1	1.2	0.2	47	0.14	0.025
117201	Soil	4.4	10.6	21.1	92	<0.1	16.0	8.4	517	3.09	8.1	2.1	2.5	21.9	12	<0.1	0.6	0.1	21	0.09	0.029
117202	Soil	0.4	94.7	17.4	104	<0.1	51.5	24.8	923	4.64	2.2	1.9	0.7	8.8	8	<0.1	0.5	0.6	96	0.16	0.045
117203	Soil	0.7	63.0	13.9	104	<0.1	38.5	14.5	388	4.63	37.3	5.2	0.7	24.0	6	<0.1	1.2	0.2	25	0.09	0.038
117204	Soil	0.8	31.3	19.9	88	<0.1	32.7	17.1	445	3.63	6.2	0.9	1.1	7.7	14	<0.1	0.4	0.5	61	0.15	0.031
117205	Soil	0.7	33.2	12.7	80	<0.1	44.1	14.7	512	5.60	6.9	2.0	<0.5	24.5	11	<0.1	0.6	0.3	72	0.19	0.066
117206	Soil	0.4	38.0	5.8	73	0.1	26.8	4.9	139	1.18	3.5	0.4	2.3	3.7	10	<0.1	0.4	0.2	29	0.14	0.019
117207	Soil	1.0	31.0	11.4	122	0.3	47.7	11.8	226	3.23	7.8	2.3	3.3	12.1	15	0.1	0.3	0.3	26	0.28	0.045
117208	Soil	0.8	16.2	11.9	48	<0.1	14.7	2.4	65	2.20	7.6	1.8	7.3	12.1	7	<0.1	0.4	0.3	29	0.08	0.024



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
117179	Soil	48	34	0.50	288	0.072	3	1.75	0.007	0.09	0.1	0.04	4.0	0.2	<0.05	6	<0.5
117180	Soil	29	25	0.39	157	0.067	2	1.52	0.005	0.14	0.1	0.01	3.6	0.4	<0.05	6	<0.5
117181	Soil	27	14	0.25	124	0.041	2	1.03	0.004	0.12	0.1	0.03	2.5	0.3	<0.05	4	<0.5
117182	Soil	17	26	1.58	243	0.059	<1	1.63	0.005	0.29	0.1	0.01	2.2	1.6	<0.05	5	1.2
117183	Soil	42	35	0.79	289	0.099	3	1.72	0.004	0.60	<0.1	0.03	2.7	0.5	<0.05	5	0.8
117184	Soil	15	24	0.46	212	0.082	3	1.34	0.004	0.53	<0.1	0.01	3.0	0.4	<0.05	4	1.1
117185	Soil	13	13	0.11	125	0.009	<1	0.51	0.002	0.05	<0.1	0.03	1.8	0.1	<0.05	2	<0.5
117186	Soil	32	246	1.49	276	0.118	<1	2.62	0.007	0.31	<0.1	0.02	5.1	0.5	<0.05	8	<0.5
117187	Soil	46	65	1.34	214	0.220	<1	2.93	0.009	1.62	0.1	<0.01	5.5	1.0	<0.05	11	<0.5
117188	Soil	78	14	0.57	141	0.103	1	2.01	0.010	0.89	<0.1	<0.01	7.4	0.7	<0.05	13	<0.5
117189	Soil	71	16	0.36	162	0.048	2	1.50	0.007	0.37	<0.1	0.02	8.8	0.5	<0.05	9	<0.5
117190	Soil	79	15	0.43	205	0.069	2	1.52	0.007	0.53	<0.1	<0.01	8.4	0.5	<0.05	9	<0.5
117191	Soil	76	18	0.69	184	0.144	2	2.17	0.007	1.02	<0.1	0.01	10.5	0.9	<0.05	15	<0.5
117192	Soil	27	14	0.49	139	0.102	2	1.86	0.008	0.66	0.1	0.01	8.4	0.8	<0.05	14	<0.5
117193	Soil	150	26	0.85	279	0.136	<1	2.38	0.009	0.90	0.1	0.02	9.0	0.8	<0.05	11	<0.5
117194	Soil	155	41	0.53	280	0.058	2	2.47	0.010	0.08	0.2	0.06	9.4	0.1	<0.05	6	<0.5
117195	Soil	73	20	0.12	102	0.008	2	0.68	0.004	0.09	<0.1	0.03	4.2	0.1	<0.05	4	<0.5
117196	Soil	41	34	0.15	75	0.005	2	0.74	0.007	0.13	<0.1	0.05	5.3	0.1	<0.05	4	<0.5
117197	Soil	66	51	1.16	121	0.114	1	2.64	0.006	0.90	<0.1	0.10	4.7	0.8	<0.05	11	<0.5
117198	Soil	37	108	1.56	177	0.113	<1	2.49	0.008	0.95	<0.1	0.01	4.7	0.7	<0.05	8	<0.5
117199	Soil	60	24	0.21	84	0.016	2	0.78	0.005	0.06	<0.1	0.15	3.1	<0.1	<0.05	3	0.5
117200	Soil	140	28	0.20	99	0.006	4	0.88	0.004	0.08	<0.1	0.37	6.3	0.1	<0.05	3	0.7
117201	Soil	22	19	0.14	89	0.008	2	0.75	0.003	0.08	<0.1	0.13	2.7	0.1	<0.05	2	0.6
117202	Soil	23	94	2.53	149	0.030	<1	2.75	0.006	0.22	<0.1	0.01	9.7	0.1	<0.05	12	<0.5
117203	Soil	56	25	0.47	67	0.054	1	1.69	0.006	0.48	<0.1	0.10	5.1	0.6	<0.05	5	<0.5
117204	Soil	23	47	1.07	255	0.081	<1	2.30	0.007	0.40	<0.1	0.02	4.6	0.3	0.06	8	<0.5
117205	Soil	21	52	1.39	220	0.256	1	3.14	0.007	0.97	<0.1	0.02	5.8	0.8	0.05	14	<0.5
117206	Soil	12	20	0.66	188	0.039	<1	1.14	0.002	0.06	<0.1	0.01	2.3	0.3	0.06	3	<0.5
117207	Soil	48	25	0.40	91	0.016	<1	1.20	0.004	0.11	<0.1	0.03	2.0	<0.1	0.07	3	1.0
117208	Soil	31	22	0.18	115	0.035	<1	0.99	0.002	0.18	<0.1	0.02	3.1	0.3	0.06	4	1.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
117209	Soil	1.0	37.8	12.7	80	0.1	39.7	10.9	343	3.03	11.9	1.9	5.7	9.1	15	<0.1	0.7	0.2	49	0.16	0.044
117210	Soil	0.5	35.7	14.1	142	0.1	54.4	24.7	477	5.83	1.4	2.4	7.0	19.1	14	<0.1	0.1	0.3	64	0.40	0.081
117211	Soil	1.0	39.3	28.5	656	<0.1	34.2	10.8	439	3.01	11.3	2.0	2.9	11.5	9	0.3	0.5	0.2	47	0.10	0.030
117212	Soil	0.9	92.9	7.4	118	0.1	22.7	16.9	1161	4.78	5.7	0.5	1.5	2.5	11	0.1	0.3	0.2	111	0.12	0.044
117213	Soil	0.9	128.5	10.8	132	<0.1	32.8	15.7	983	3.97	3.0	0.8	7.8	7.2	34	<0.1	0.1	0.1	79	0.40	0.100
117214	Soil	1.1	63.6	12.3	66	<0.1	19.2	10.2	389	2.97	8.1	1.2	3.5	5.2	11	<0.1	0.3	0.1	56	0.16	0.051
117215	Soil	0.1	75.4	5.2	88	<0.1	15.4	12.6	597	2.58	1.8	0.5	3.7	3.0	25	<0.1	0.2	<0.1	38	0.42	0.069
117216	Soil	0.3	77.6	6.1	93	<0.1	16.7	12.4	530	2.66	2.7	0.8	3.5	4.1	24	<0.1	0.2	0.1	43	0.39	0.066
117217	Soil	0.6	19.7	13.5	60	<0.1	16.5	2.5	134	1.01	20.9	2.7	0.7	8.0	3	<0.1	0.7	0.3	15	0.02	0.017
117218	Soil	1.2	32.6	20.1	1727	0.5	446.4	9.5	4460	3.69	14.9	3.1	6.4	7.9	13	13.6	0.7	0.8	61	0.28	0.144
117219	Soil	3.8	196.8	17.0	141	<0.1	54.4	14.0	1366	4.31	18.9	3.8	6.0	7.6	10	<0.1	1.1	0.3	63	0.04	0.048
117220	Soil	1.1	42.1	12.0	79	0.2	32.1	8.9	276	3.01	15.1	1.7	7.6	6.6	13	0.1	0.9	0.2	61	0.10	0.018
117221	Soil	1.2	51.7	11.8	66	0.2	41.5	10.9	337	2.77	17.9	0.9	6.6	5.8	11	<0.1	0.8	0.2	63	0.10	0.017
117222	Soil	1.1	64.7	12.6	93	<0.1	49.1	9.2	282	1.55	37.2	0.9	<0.5	5.2	4	0.2	1.1	0.3	34	0.06	0.056
117223	Soil	0.4	30.6	7.3	73	<0.1	14.2	8.5	510	2.26	3.1	0.3	2.6	3.0	4	<0.1	0.2	0.2	41	0.05	0.016
117224	Soil	0.8	42.0	23.1	116	<0.1	26.4	8.1	274	2.65	2.9	3.2	5.7	23.4	6	<0.1	0.2	0.4	50	0.23	0.111
117225	Soil	0.7	153.4	5.0	103	<0.1	13.3	21.4	848	5.22	3.5	0.2	1.0	1.3	18	<0.1	0.7	<0.1	117	0.26	0.031
117226	Soil	1.6	105.9	12.2	149	<0.1	59.5	20.1	1118	3.06	9.0	2.5	4.4	5.6	10	0.1	0.7	0.2	54	0.04	0.027
117227	Soil	2.9	53.7	14.1	81	<0.1	30.6	9.2	376	3.65	6.2	2.5	3.7	8.9	13	0.2	0.5	0.3	44	0.04	0.061
117228	Soil	1.7	62.8	15.6	156	0.1	52.1	12.6	741	4.26	7.6	4.1	12.4	16.8	7	0.2	0.4	0.4	55	0.05	0.061
117229	Soil	1.8	39.3	16.7	118	0.2	68.6	16.1	782	3.48	23.7	2.5	5.7	10.2	8	0.1	0.6	0.3	46	0.06	0.046
117230	Soil	1.7	45.3	21.0	80	0.1	37.2	9.6	255	2.81	12.3	2.7	5.9	11.7	25	0.1	0.5	0.3	57	0.10	0.048
117231	Soil	0.8	81.1	14.2	139	<0.1	40.2	15.8	1168	4.21	7.8	1.5	8.5	4.1	33	<0.1	0.9	0.2	73	0.30	0.029
117232	Soil	1.8	61.4	16.7	165	0.7	69.0	17.9	1990	3.67	158.7	5.1	24.3	13.7	32	0.3	80.7	0.2	38	0.02	0.041
117233	Soil	0.6	34.0	12.8	100	0.3	35.4	10.9	250	2.27	91.6	2.3	101.8	14.6	12	0.2	6.0	0.2	23	0.05	0.022
117234	Soil	0.9	38.5	19.1	105	0.5	30.8	16.4	560	4.67	21.0	4.9	27.6	30.8	15	<0.1	3.0	0.4	24	0.06	0.051
117235	Soil	1.2	44.2	17.9	141	0.2	47.8	10.0	676	3.63	88.6	2.4	35.5	15.3	25	0.2	24.1	0.3	36	0.07	0.031
117236	Soil	1.2	26.8	10.5	223	0.3	71.8	8.1	626	2.50	25.0	1.2	4.5	9.0	8	0.5	6.8	0.3	40	0.07	0.038
117237	Soil	0.9	75.6	46.3	424	<0.1	65.4	18.4	1688	3.15	13.0	2.4	1.5	10.5	19	1.8	1.1	0.2	37	0.16	0.027
117238	Soil	0.6	39.0	31.0	119	<0.1	28.4	12.6	343	3.84	7.5	1.4	0.6	8.6	27	<0.1	0.7	0.2	67	0.24	0.037



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
117209	Soil	38	30	0.52	196	0.069	<1	1.55	0.007	0.12	0.1	0.05	4.7	0.2	<0.05	4	<0.5
117210	Soil	33	49	0.78	263	0.254	<1	2.28	0.007	1.16	<0.1	0.03	3.9	1.0	<0.05	7	0.7
117211	Soil	37	28	0.56	190	0.107	<1	1.68	0.005	0.32	<0.1	0.02	3.1	0.5	<0.05	4	0.6
117212	Soil	6	17	1.57	1226	0.290	<1	3.06	0.010	1.03	<0.1	0.02	8.0	0.2	<0.05	11	<0.5
117213	Soil	32	14	2.19	3586	0.307	<1	3.21	0.024	1.99	<0.1	0.01	11.2	0.3	<0.05	11	<0.5
117214	Soil	29	19	0.64	777	0.086	<1	1.31	0.010	0.27	<0.1	0.02	7.4	0.2	<0.05	5	<0.5
117215	Soil	16	7	1.60	1410	0.066	<1	2.42	0.016	0.71	<0.1	0.02	10.2	0.1	<0.05	9	<0.5
117216	Soil	19	9	1.44	1407	0.070	<1	2.33	0.014	0.65	<0.1	0.02	10.1	0.1	<0.05	9	<0.5
117217	Soil	16	9	0.06	95	0.007	<1	0.36	<0.001	0.03	0.1	0.04	2.1	0.6	<0.05	1	0.8
117218	Soil	34	32	0.35	647	0.049	1	1.57	0.005	0.04	0.3	0.05	8.0	0.6	<0.05	5	0.6
117219	Soil	24	26	0.33	352	0.032	<1	1.36	0.003	0.06	<0.1	0.12	11.9	0.3	<0.05	5	<0.5
117220	Soil	25	35	0.46	300	0.067	<1	1.64	0.007	0.05	0.1	0.03	7.5	0.2	<0.05	5	0.8
117221	Soil	19	37	0.47	390	0.055	1	1.82	0.004	0.06	0.1	0.03	4.7	0.2	<0.05	5	<0.5
117222	Soil	39	17	0.06	94	0.012	<1	0.40	<0.001	0.02	0.2	0.01	5.6	0.3	<0.05	2	<0.5
117223	Soil	6	11	1.16	447	0.164	<1	1.75	0.005	0.42	<0.1	<0.01	3.2	0.1	<0.05	6	<0.5
117224	Soil	73	27	0.24	146	0.049	<1	0.89	0.003	0.28	<0.1	<0.01	5.2	0.3	<0.05	4	<0.5
117225	Soil	3	16	1.35	511	0.044	<1	2.64	0.005	0.20	<0.1	<0.01	10.1	<0.1	<0.05	9	<0.5
117226	Soil	17	30	0.40	374	0.047	<1	1.56	0.005	0.09	0.3	0.05	6.8	0.2	<0.05	5	0.8
117227	Soil	26	26	0.39	314	0.036	<1	1.22	0.004	0.19	<0.1	0.02	3.9	0.4	<0.05	4	2.1
117228	Soil	59	29	0.37	217	0.064	<1	1.22	0.001	0.33	<0.1	0.03	5.1	0.5	<0.05	4	0.8
117229	Soil	27	36	0.20	143	0.021	<1	0.77	0.003	0.06	<0.1	0.03	5.2	0.4	<0.05	3	<0.5
117230	Soil	60	42	0.52	159	0.034	<1	2.02	0.004	0.11	<0.1	0.02	3.8	0.2	<0.05	5	1.1
117231	Soil	16	21	1.58	3002	0.130	<1	2.97	0.012	0.96	<0.1	0.02	11.4	0.3	<0.05	10	0.6
117232	Soil	30	14	0.17	589	0.012	2	0.55	0.003	0.13	<0.1	0.17	7.0	0.3	<0.05	3	<0.5
117233	Soil	37	18	0.73	243	0.039	<1	1.07	0.002	0.17	<0.1	0.03	3.1	0.6	<0.05	3	<0.5
117234	Soil	77	28	1.01	222	0.110	<1	1.60	0.010	0.95	<0.1	0.02	4.1	0.6	0.16	5	<0.5
117235	Soil	31	21	0.19	266	0.028	2	0.77	0.003	0.08	0.2	0.08	5.2	0.3	<0.05	3	<0.5
117236	Soil	26	34	0.22	159	0.015	1	0.84	0.002	0.04	<0.1	0.06	4.7	1.0	<0.05	3	0.7
117237	Soil	29	11	1.22	1910	0.109	2	1.87	0.010	0.75	<0.1	0.06	10.0	0.5	<0.05	7	0.6
117238	Soil	37	33	0.76	389	0.044	<1	2.45	0.010	0.12	<0.1	0.02	4.1	0.1	<0.05	7	<0.5



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte	Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
117239	Soil		<0.1	14.0	6.4	173	<0.1	19.7	12.3	1057	4.57	0.6	1.1	<0.5	11.9	13	<0.1	<0.1	<0.1	45	0.23	0.037
117240	Soil		<0.1	13.1	5.8	192	<0.1	23.7	13.6	1069	4.85	<0.5	1.3	<0.5	14.0	13	<0.1	<0.1	<0.1	48	0.20	0.028
117241	Soil		0.6	24.7	66.3	331	<0.1	39.0	18.0	608	3.75	15.3	2.3	3.6	23.1	8	0.2	1.8	0.3	52	0.08	0.020
117242	Soil		1.3	39.8	14.7	143	0.1	36.5	11.9	575	2.87	11.9	0.8	2.1	6.6	22	0.3	1.0	0.2	53	0.30	0.041
117243	Soil		0.6	77.5	9.2	103	<0.1	28.9	13.7	1461	3.45	3.0	1.1	3.7	4.3	25	0.1	0.4	0.1	63	0.32	0.034
117244	Soil		1.4	46.1	14.5	105	<0.1	30.0	10.0	387	2.93	7.2	2.0	3.1	10.6	16	<0.1	0.7	0.2	49	0.16	0.033
117245	Soil		0.6	65.4	11.4	88	<0.1	23.2	10.6	804	3.15	4.3	0.7	2.5	5.7	22	<0.1	0.4	0.2	65	0.25	0.020
117246	Soil		1.2	44.7	12.1	88	<0.1	27.4	9.2	585	2.81	8.8	1.6	1.8	4.9	22	0.1	0.8	0.2	59	0.27	0.042
117247	Soil		1.7	46.6	15.4	85	<0.1	33.6	11.3	553	2.98	11.9	1.4	4.6	6.1	25	<0.1	1.0	0.2	65	0.29	0.029
117248	Soil		1.7	39.4	13.7	80	<0.1	141.6	12.6	366	3.04	32.1	1.5	3.7	8.4	20	<0.1	2.4	0.3	49	0.23	0.028
117249	Soil		1.5	37.3	17.8	95	<0.1	165.6	15.3	431	3.22	63.5	1.7	5.9	9.7	17	0.1	2.4	0.3	49	0.17	0.020
117250	Soil		1.3	33.4	15.9	76	<0.1	79.9	13.0	282	2.84	34.9	1.3	3.2	8.1	18	<0.1	1.5	0.2	50	0.19	0.020
117251	Soil		1.7	36.2	12.7	90	0.2	33.2	11.0	445	2.65	12.8	0.6	1.9	5.4	36	0.5	1.1	0.2	45	1.40	0.077
117252	Soil		1.6	33.7	11.9	77	0.1	32.4	10.5	438	2.50	13.3	0.6	1.3	5.3	45	0.4	0.9	0.2	45	1.57	0.069
117253	Soil		1.1	33.8	12.7	70	0.1	33.5	10.4	383	2.67	13.8	1.2	15.2	5.6	32	0.2	0.9	0.2	56	0.51	0.052
117254	Soil		1.1	31.7	10.7	62	0.1	27.3	9.6	329	2.51	11.2	1.0	3.9	5.1	28	<0.1	0.8	0.2	52	0.42	0.058
117255	Soil		1.1	30.8	11.7	57	0.1	26.8	11.1	485	2.55	10.8	1.8	4.8	4.8	35	<0.1	0.8	0.2	54	0.52	0.054
117256	Soil		1.2	37.1	11.0	67	0.1	31.3	11.9	457	2.65	11.3	1.0	2.1	5.0	33	0.2	0.8	0.2	56	0.66	0.059
117257	Soil		1.5	35.9	11.0	74	0.1	31.0	11.2	477	2.66	12.1	0.6	7.5	5.1	31	0.3	1.1	0.2	57	0.55	0.071
117258	Soil		1.1	37.9	10.7	65	0.1	31.2	11.3	407	2.74	11.7	0.7	3.3	5.0	34	0.1	0.9	0.2	59	0.58	0.066
117259	Soil		1.2	35.6	11.1	72	0.1	31.4	11.8	468	2.72	12.0	0.7	4.7	5.0	35	0.3	1.0	0.2	59	0.65	0.072
118141	Soil		1.2	28.6	11.7	64	<0.1	25.9	10.2	261	3.02	10.1	1.6	1.2	11.9	12	0.1	0.7	0.3	59	0.10	0.017
118142	Soil		1.0	34.1	11.3	59	<0.1	25.3	13.7	443	3.21	9.2	2.2	3.1	9.8	19	<0.1	0.5	0.2	67	0.17	0.016
118143	Soil		0.9	17.6	9.4	56	<0.1	22.3	12.3	311	3.68	6.2	1.2	0.9	7.7	15	<0.1	0.4	0.1	62	0.16	0.022
118144	Soil		1.0	15.9	9.0	54	<0.1	25.0	8.7	342	2.72	5.4	1.5	<0.5	8.8	14	<0.1	0.4	0.1	48	0.18	0.034
118145	Soil		1.0	17.0	13.6	60	<0.1	24.6	11.6	252	3.19	8.7	0.8	0.5	5.9	11	<0.1	0.4	0.2	61	0.11	0.025
118146	Soil		1.1	18.2	11.6	60	<0.1	25.3	9.1	288	2.80	7.4	1.4	1.6	9.1	15	<0.1	0.5	0.2	59	0.14	0.014
118147	Soil		1.2	33.5	10.5	52	<0.1	26.4	9.7	280	2.89	9.1	2.0	3.8	12.0	12	<0.1	0.7	0.2	53	0.12	0.018
118148	Soil		0.6	141.3	4.0	85	<0.1	27.6	26.3	441	5.06	3.4	0.3	0.9	1.0	42	<0.1	0.2	<0.1	173	0.25	0.040
118149	Soil		1.1	36.8	9.2	74	<0.1	23.4	14.9	316	3.69	9.1	0.4	1.6	3.0	11	0.3	0.5	0.1	89	0.12	0.034



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
117239	Soil	29	28	2.16	374	0.226	<1	3.39	0.009	1.79	<0.1	<0.01	13.3	0.4	<0.05	14	<0.5	<0.2
117240	Soil	23	33	2.27	359	0.205	<1	3.62	0.009	1.99	<0.1	<0.01	13.2	0.5	<0.05	14	0.6	<0.2
117241	Soil	57	39	0.52	366	0.108	<1	1.30	0.003	0.64	<0.1	0.03	5.4	0.7	<0.05	5	<0.5	<0.2
117242	Soil	19	30	0.65	451	0.066	<1	1.44	0.012	0.14	0.2	0.04	4.8	0.3	<0.05	5	0.5	<0.2
117243	Soil	16	16	1.22	899	0.100	<1	2.05	0.007	0.56	<0.1	0.04	6.1	0.2	<0.05	9	<0.5	<0.2
117244	Soil	23	26	0.44	372	0.073	<1	1.22	0.007	0.23	<0.1	0.05	4.6	0.3	<0.05	4	0.6	<0.2
117245	Soil	16	18	1.25	2117	0.187	<1	2.25	0.012	1.03	<0.1	0.02	8.9	0.2	<0.05	9	<0.5	<0.2
117246	Soil	14	27	0.63	604	0.093	<1	1.49	0.009	0.31	0.1	0.04	5.5	0.1	<0.05	5	<0.5	<0.2
117247	Soil	16	35	0.55	558	0.096	<1	1.71	0.009	0.15	0.2	0.04	6.1	0.1	<0.05	6	0.7	<0.2
117248	Soil	19	51	0.36	346	0.046	<1	1.34	0.007	0.06	<0.1	0.04	5.4	0.2	<0.05	4	<0.5	<0.2
117249	Soil	21	61	0.31	302	0.044	<1	1.19	0.006	0.06	<0.1	0.03	5.2	0.2	<0.05	4	<0.5	<0.2
117250	Soil	21	43	0.35	296	0.058	<1	1.32	0.007	0.05	<0.1	0.04	4.6	0.1	<0.05	4	<0.5	<0.2
117251	Soil	15	27	0.66	445	0.060	<1	1.19	0.013	0.07	0.2	0.05	3.4	<0.1	<0.05	4	0.6	<0.2
117252	Soil	14	25	0.59	401	0.062	<1	1.13	0.014	0.07	0.2	0.06	3.2	0.1	<0.05	3	<0.5	<0.2
117253	Soil	16	33	0.50	402	0.066	<1	1.48	0.013	0.06	0.2	0.05	4.3	<0.1	<0.05	5	0.5	<0.2
117254	Soil	15	30	0.46	384	0.056	<1	1.39	0.011	0.05	0.2	0.04	4.0	0.1	<0.05	4	<0.5	<0.2
117255	Soil	15	30	0.49	354	0.054	<1	1.45	0.015	0.06	0.2	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
117256	Soil	15	32	0.55	324	0.062	<1	1.42	0.018	0.06	0.2	0.03	4.0	<0.1	<0.05	4	0.5	<0.2
117257	Soil	15	31	0.55	274	0.068	2	1.28	0.021	0.08	0.2	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
117258	Soil	15	31	0.55	343	0.065	1	1.41	0.021	0.07	0.2	0.05	4.1	<0.1	<0.05	4	0.5	<0.2
117259	Soil	15	32	0.56	296	0.069	1	1.31	0.021	0.08	0.3	0.03	4.0	<0.1	<0.05	4	0.6	<0.2
118141	Soil	26	35	0.55	160	0.103	1	1.93	0.008	0.12	0.1	0.04	4.7	0.1	<0.05	6	0.6	<0.2
118142	Soil	39	42	0.81	320	0.126	<1	2.02	0.012	0.10	0.1	0.05	6.2	0.1	<0.05	6	<0.5	<0.2
118143	Soil	16	41	0.97	206	0.117	<1	2.73	0.008	0.29	<0.1	0.02	3.3	0.3	<0.05	7	<0.5	<0.2
118144	Soil	30	52	0.62	232	0.076	<1	1.77	0.007	0.15	0.1	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
118145	Soil	11	43	0.63	194	0.071	<1	2.43	0.006	0.08	0.2	0.04	2.6	0.1	<0.05	6	0.5	<0.2
118146	Soil	32	49	0.58	247	0.058	<1	1.95	0.011	0.04	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
118147	Soil	104	36	0.52	191	0.062	<1	1.76	0.008	0.08	0.1	0.03	5.1	<0.1	<0.05	6	0.7	<0.2
118148	Soil	2	33	1.61	352	0.245	<1	3.28	0.016	0.79	0.1	0.02	2.9	0.2	<0.05	8	<0.5	<0.2
118149	Soil	7	32	0.72	218	0.109	<1	2.27	0.014	0.19	0.2	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
118150	Soil																							
118151	Soil																							
118152	Soil																							
118153	Soil																							
118154	Soil																							
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118179	Soil																							



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
118150	Soil	3	20	1.47	234	0.193	<1	2.37	0.026	0.40	<0.1	0.01	3.1	<0.1	<0.05	7	<0.5
118151	Soil	24	39	0.56	161	0.124	<1	1.78	0.006	0.17	<0.1	0.01	2.4	0.1	<0.05	8	<0.5
118152	Soil	8	25	0.33	176	0.038	<1	1.69	0.005	0.10	0.1	0.02	2.0	0.1	<0.05	5	<0.5
118153	Soil	74	239	2.32	261	0.192	<1	3.33	0.007	0.20	<0.1	0.02	5.2	0.4	<0.05	11	<0.5
118154	Soil	34	5	0.41	138	0.042	<1	1.07	0.008	0.11	<0.1	0.04	2.8	0.1	<0.05	5	0.5
118155	Soil	11	29	0.68	211	0.079	2	2.27	0.006	0.09	0.1	<0.01	2.2	<0.1	<0.05	5	<0.5
118156	Soil	5	34	1.52	367	0.137	1	2.19	0.020	0.38	<0.1	<0.01	6.4	0.2	<0.05	5	<0.5
118157	Soil	12	31	0.80	293	0.078	2	1.83	0.014	0.10	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5
118158	Soil	11	32	0.50	186	0.042	3	1.69	0.006	0.04	0.1	0.02	2.6	<0.1	<0.05	4	<0.5
118159	Soil	6	23	1.42	565	0.143	2	2.82	0.012	0.68	0.1	0.04	2.2	0.3	<0.05	5	0.5
118160	Soil	2	87	1.02	93	0.070	1	2.12	0.017	0.05	<0.1	<0.01	3.8	<0.1	<0.05	3	<0.5
118161	Soil	19	178	2.14	718	0.248	1	3.87	0.007	0.90	0.1	<0.01	3.2	0.4	<0.05	10	<0.5
118162	Soil	38	304	2.16	444	0.210	<1	3.55	0.008	0.49	<0.1	0.02	10.5	0.4	<0.05	11	0.6
118163	Soil	13	310	1.18	191	0.143	1	1.64	0.005	0.19	<0.1	<0.01	1.6	0.1	<0.05	4	<0.5
118164	Soil	7	48	1.29	287	0.205	2	2.94	0.006	0.72	0.1	0.01	1.6	0.3	<0.05	9	<0.5
118165	Soil	7	55	1.48	340	0.226	1	3.24	0.007	0.96	0.1	<0.01	1.8	0.4	<0.05	10	<0.5
118166	Soil	10	62	0.62	183	0.096	<1	2.33	0.005	0.30	0.1	0.02	2.3	0.3	<0.05	7	<0.5
118167	Soil	17	50	1.23	328	0.218	<1	2.51	0.008	1.12	0.1	0.01	3.3	0.6	<0.05	8	<0.5
118168	Soil	5	59	1.92	384	0.198	1	3.25	0.016	0.54	<0.1	0.02	3.8	<0.1	<0.05	9	<0.5
118169	Soil	3	46	0.61	105	0.092	2	1.88	0.011	0.03	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5
118170	Soil	7	63	0.94	115	0.104	2	1.78	0.016	0.02	<0.1	0.01	3.4	<0.1	<0.05	5	0.9
118171	Soil	10	39	0.52	212	0.058	2	1.67	0.012	0.03	0.1	0.02	4.2	<0.1	<0.05	4	0.5
118172	Soil	14	35	0.49	439	0.046	2	1.69	0.013	0.05	0.1	0.03	4.2	<0.1	<0.05	5	0.7
118173	Soil	11	78	0.89	200	0.082	<1	2.18	0.014	0.03	<0.1	0.03	7.2	<0.1	<0.05	6	<0.5
118174	Soil	27	37	0.53	269	0.081	<1	1.70	0.009	0.07	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5
118175	Soil	18	32	0.45	289	0.058	<1	1.56	0.008	0.05	0.1	0.02	4.2	<0.1	<0.05	4	<0.5
118176	Soil	31	67	0.85	341	0.100	<1	2.03	0.010	0.13	<0.1	0.04	4.9	<0.1	<0.05	6	0.8
118177	Soil	14	26	0.84	528	0.063	2	1.15	0.018	0.12	0.2	0.09	3.1	<0.1	<0.05	3	<0.5
118178	Soil	16	29	0.53	587	0.053	2	1.38	0.015	0.07	0.2	0.06	3.2	<0.1	<0.05	4	0.5
118179	Soil	15	28	0.51	494	0.045	2	1.30	0.014	0.05	0.2	0.06	3.1	<0.1	<0.05	4	<0.5



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		Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
118180	Soil	0.9	17.1	8.6	51	<0.1	16.4	8.0	327	2.76	8.4	1.3	5.0	8.5	13	<0.1	0.5	0.2	49	0.19	0.049	
118181	Soil	1.1	21.9	8.5	57	<0.1	20.9	9.2	369	2.85	8.4	1.7	3.0	12.9	13	0.1	0.5	0.2	48	0.20	0.046	
118182	Soil	1.2	24.4	10.9	55	<0.1	19.8	8.8	374	3.25	10.8	2.0	3.2	11.6	15	<0.1	0.6	0.3	57	0.17	0.028	
118183	Soil	1.3	16.6	10.8	57	<0.1	15.6	7.5	336	3.31	9.5	1.0	1.7	11.3	9	<0.1	0.6	0.3	59	0.09	0.027	
118184	Soil	1.2	13.7	10.3	57	<0.1	17.1	7.9	327	3.25	10.5	1.0	1.0	10.2	10	<0.1	0.5	0.2	58	0.11	0.038	
118185	Soil	0.7	18.4	9.6	63	<0.1	17.3	10.2	533	2.88	6.2	1.3	<0.5	11.5	10	<0.1	0.7	0.2	44	0.12	0.036	
118186	Soil	0.6	11.9	6.5	49	<0.1	15.3	8.3	405	2.62	4.9	1.1	2.0	10.0	9	<0.1	0.7	0.1	44	0.11	0.023	
118187	Soil	0.8	11.2	6.4	49	<0.1	14.9	6.8	408	2.49	5.2	0.9	0.7	9.5	10	<0.1	0.5	0.2	43	0.14	0.031	
118188	Soil	1.0	10.6	7.8	55	<0.1	15.7	8.7	535	3.45	5.5	0.8	0.5	8.6	7	<0.1	0.5	0.2	59	0.11	0.033	
118189	Soil	0.9	13.8	9.5	51	<0.1	17.7	7.7	289	2.99	10.3	0.8	1.4	5.7	11	<0.1	0.5	0.2	58	0.12	0.038	
118190	Soil	1.1	12.3	8.9	49	<0.1	16.9	7.3	263	2.89	8.5	0.7	1.5	4.8	10	0.1	0.4	0.2	55	0.12	0.031	
118191	Soil	1.3	19.6	8.5	53	<0.1	20.6	7.8	288	2.92	10.3	2.3	2.9	27.1	12	<0.1	0.5	0.2	57	0.17	0.036	
118192	Soil	1.1	15.0	9.6	51	<0.1	18.0	7.4	237	3.23	11.4	0.5	2.1	5.8	8	<0.1	0.6	0.2	57	0.09	0.025	
118193	Soil	2.6	19.2	15.0	138	0.2	8.7	2.5	455	4.41	4.1	0.8	1.3	30.7	15	<0.1	0.2	2.0	31	0.04	0.036	
118194	Soil	0.9	13.2	8.6	41	<0.1	14.6	6.2	233	2.36	7.8	0.7	1.9	3.4	11	<0.1	0.4	0.2	45	0.12	0.033	
118195	Soil	1.6	13.7	6.3	65	<0.1	13.9	9.1	513	4.37	6.1	1.5	1.3	8.6	7	<0.1	0.7	0.2	56	0.09	0.033	
118196	Soil	1.3	18.9	7.8	69	<0.1	17.7	10.4	516	3.80	7.4	1.3	2.9	19.9	12	<0.1	0.7	0.2	75	0.12	0.018	
118197	Soil	1.0	77.8	3.3	169	<0.1	7.9	4.6	244	2.63	3.7	3.2	<0.5	10.2	17	<0.1	1.7	<0.1	38	0.04	0.026	
118198	Soil	1.1	23.3	7.9	58	<0.1	21.7	10.0	377	3.04	9.2	1.8	2.9	10.5	11	<0.1	0.6	0.2	59	0.12	0.029	
118199	Soil	0.8	22.9	6.9	69	<0.1	21.7	8.4	335	2.54	8.6	1.5	4.0	7.9	18	<0.1	0.6	0.2	45	0.18	0.031	
118200	Soil	1.7	15.4	9.3	110	<0.1	14.2	8.2	352	3.34	8.4	1.6	<0.5	9.1	8	<0.1	0.5	0.2	57	0.08	0.023	
118201	Soil	1.0	11.9	5.8	64	<0.1	10.6	6.3	453	3.57	4.1	2.2	1.8	14.2	8	<0.1	0.2	0.2	44	0.10	0.033	
118202	Soil	1.1	17.6	7.0	72	<0.1	16.1	10.5	442	3.32	7.2	2.3	2.6	13.2	11	<0.1	0.5	0.2	61	0.16	0.039	
118203	Soil	1.1	9.1	10.2	41	<0.1	10.3	4.8	158	2.93	8.1	0.7	2.9	3.7	9	<0.1	0.3	0.2	58	0.11	0.043	
118204	Soil	1.2	11.8	10.9	57	<0.1	14.8	7.5	275	3.19	7.9	0.9	2.4	9.2	11	<0.1	0.5	0.2	57	0.12	0.025	
118205	Soil	0.7	8.5	11.1	67	<0.1	11.1	7.4	342	2.80	4.7	1.4	1.1	11.8	8	<0.1	0.5	0.2	47	0.13	0.050	
118206	Soil	1.2	7.7	10.0	47	<0.1	10.7	4.7	213	2.48	8.8	0.6	1.6	5.9	10	<0.1	0.3	0.2	53	0.16	0.088	
118207	Soil	0.8	20.1	9.9	59	<0.1	19.3	8.7	293	2.67	8.7	1.7	3.3	10.6	13	<0.1	0.5	0.2	51	0.13	0.015	
118208	Soil	1.4	12.9	12.1	55	<0.1	14.0	6.6	253	3.13	10.6	0.9	2.4	7.2	11	<0.1	0.5	0.2	63	0.12	0.026	
118209	Soil	0.9	14.8	11.9	68	<0.1	16.6	8.3	338	2.56	6.3	1.5	5.9	13.5	10	<0.1	0.4	0.2	43	0.12	0.024	



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
118180	Soil	31	27	0.68	294	0.108	1	1.58	0.007	0.22	0.1	0.04	3.9	0.2	<0.05	6	<0.5
118181	Soil	64	29	0.74	278	0.108	2	1.81	0.008	0.23	0.1	0.04	4.3	0.2	<0.05	6	<0.5
118182	Soil	34	31	0.70	362	0.111	1	2.00	0.009	0.24	0.1	0.04	5.2	0.2	<0.05	7	0.7
118183	Soil	12	31	0.67	179	0.131	2	1.99	0.008	0.20	0.1	0.05	3.6	0.2	<0.05	8	0.6
118184	Soil	11	32	0.68	197	0.112	3	1.96	0.007	0.18	0.1	0.04	3.4	0.2	<0.05	7	<0.5
118185	Soil	36	31	0.99	271	0.143	<1	1.84	0.008	0.43	0.2	0.02	4.6	0.3	<0.05	7	<0.5
118186	Soil	26	30	0.88	297	0.140	<1	1.63	0.007	0.45	0.1	0.04	4.1	0.2	<0.05	7	<0.5
118187	Soil	29	27	0.85	423	0.140	1	1.63	0.008	0.39	0.1	0.02	4.4	0.2	<0.05	7	<0.5
118188	Soil	12	33	1.27	777	0.226	<1	2.32	0.009	0.69	0.1	0.02	5.8	0.3	<0.05	10	<0.5
118189	Soil	15	32	0.63	209	0.087	<1	1.94	0.007	0.09	0.1	0.02	3.5	0.1	<0.05	7	<0.5
118190	Soil	14	30	0.63	189	0.085	<1	1.86	0.007	0.08	0.2	0.03	3.4	0.1	<0.05	7	0.6
118191	Soil	138	34	0.67	391	0.075	1	2.10	0.008	0.10	0.2	0.05	5.9	0.2	<0.05	7	0.6
118192	Soil	11	31	0.55	146	0.059	2	1.84	0.006	0.07	0.2	0.04	2.8	0.1	<0.05	6	0.5
118193	Soil	23	19	0.96	261	0.114	<1	1.94	0.050	0.66	<0.1	0.01	3.2	0.4	0.64	9	0.9
118194	Soil	16	22	0.44	199	0.047	<1	1.31	0.005	0.07	0.1	0.04	2.5	0.1	<0.05	6	<0.5
118195	Soil	15	27	1.13	388	0.208	<1	2.46	0.007	0.54	0.2	0.03	6.1	0.3	<0.05	11	0.5
118196	Soil	63	32	1.03	481	0.159	2	2.51	0.008	0.34	0.2	0.05	7.4	0.3	<0.05	10	<0.5
118197	Soil	22	16	0.71	896	0.114	6	2.07	0.006	0.72	0.1	<0.01	5.2	0.2	<0.05	7	<0.5
118198	Soil	24	33	0.74	417	0.107	<1	2.28	0.008	0.24	0.2	0.03	4.2	0.2	<0.05	7	0.7
118199	Soil	24	26	0.64	900	0.089	3	1.46	0.010	0.14	0.2	0.03	4.6	0.1	<0.05	5	0.7
118200	Soil	20	34	0.75	207	0.112	2	2.19	0.005	0.15	0.2	0.03	3.7	0.3	<0.05	8	<0.5
118201	Soil	45	17	1.25	814	0.210	1	2.21	0.009	0.76	0.1	0.02	6.3	0.4	<0.05	9	<0.5
118202	Soil	52	26	0.90	327	0.150	2	1.91	0.009	0.43	0.2	0.05	6.0	0.3	<0.05	7	1.0
118203	Soil	14	24	0.44	144	0.069	1	1.58	0.006	0.08	0.2	0.02	2.2	0.1	<0.05	7	0.6
118204	Soil	20	30	0.73	241	0.105	2	1.90	0.007	0.12	0.3	0.03	3.2	0.2	<0.05	7	0.6
118205	Soil	31	27	1.07	313	0.132	<1	1.75	0.007	0.54	0.3	0.01	4.8	0.3	<0.05	8	<0.5
118206	Soil	18	21	0.50	177	0.083	<1	1.23	0.006	0.11	0.2	0.01	2.4	0.1	<0.05	7	0.6
118207	Soil	42	29	0.63	254	0.097	2	1.74	0.008	0.09	0.2	0.04	4.6	0.1	<0.05	6	<0.5
118208	Soil	21	30	0.62	232	0.097	2	1.80	0.007	0.09	0.2	0.02	3.1	0.1	<0.05	8	<0.5
118209	Soil	44	28	0.72	191	0.103	<1	1.64	0.007	0.24	0.2	0.02	3.4	0.2	<0.05	6	<0.5



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Project: WMOOSE
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
118210	Soil	1.1	11.6	10.3	62	<0.1	16.4	6.7	275	2.69	7.3	1.0	3.3	10.6	9	<0.1	0.4	0.2	45	0.10	0.020
118211	Soil	0.9	14.3	10.1	65	<0.1	16.9	9.1	327	3.00	6.2	2.5	2.7	10.9	9	<0.1	0.6	0.1	53	0.11	0.022
118212	Soil	0.7	13.7	7.9	56	<0.1	16.2	7.8	264	2.70	6.5	1.0	2.9	7.6	10	<0.1	0.3	0.1	51	0.13	0.028
118213	Soil	1.3	9.9	7.4	50	<0.1	12.6	6.0	228	2.75	8.2	0.6	1.6	5.4	11	<0.1	0.4	0.2	58	0.14	0.051
118214	Soil	1.5	14.8	11.2	51	<0.1	15.2	6.9	221	2.77	8.4	0.9	2.9	8.4	13	<0.1	0.4	0.2	54	0.14	0.030
118215	Soil	1.2	13.4	10.3	47	<0.1	13.3	5.9	191	2.43	6.9	1.0	<0.5	8.0	12	<0.1	0.4	0.1	50	0.14	0.024
118216	Soil	1.1	6.5	6.0	35	<0.1	8.8	4.2	148	1.89	6.8	0.5	3.3	3.8	10	<0.1	0.3	0.2	47	0.12	0.024
118217	Soil	1.1	8.2	8.2	44	<0.1	11.2	4.9	205	2.76	8.6	1.3	0.7	8.0	9	<0.1	0.4	0.2	54	0.10	0.060
118218	Soil	1.1	18.2	10.2	65	<0.1	17.8	8.3	253	2.67	8.5	1.3	2.7	8.6	13	<0.1	0.5	0.2	55	0.12	0.020
118219	Soil	0.9	12.3	5.4	55	<0.1	15.7	8.4	258	3.20	6.4	0.7	<0.5	9.7	8	<0.1	0.4	0.2	51	0.08	0.019
118220	Soil	0.9	13.1	8.4	45	<0.1	17.3	7.8	202	2.83	9.5	0.5	<0.5	5.9	13	<0.1	0.5	0.1	50	0.12	0.020
118221	Soil	0.8	14.7	7.1	59	<0.1	16.6	9.6	303	2.98	5.8	0.8	2.2	8.9	12	<0.1	0.4	0.1	50	0.15	0.022
118222	Soil	0.8	8.4	4.9	62	<0.1	16.7	10.7	456	3.49	6.5	1.3	<0.5	11.0	12	<0.1	0.9	0.2	49	0.20	0.042
118223	Soil	0.9	10.9	7.6	51	<0.1	15.1	7.6	286	2.67	8.2	0.5	2.9	5.7	13	<0.1	0.4	0.1	49	0.17	0.029
118224	Soil	0.9	20.0	8.1	58	<0.1	17.4	7.8	226	2.50	7.9	1.0	5.0	8.8	12	<0.1	0.5	0.1	42	0.16	0.027
118225	Soil	0.9	7.6	6.6	42	<0.1	9.7	6.7	248	2.31	6.0	0.4	1.2	3.4	11	<0.1	0.3	0.2	45	0.14	0.031
118226	Soil	0.8	12.2	6.1	43	<0.1	11.7	6.2	198	2.27	7.1	0.6	1.6	5.9	10	<0.1	0.4	0.1	41	0.12	0.020
118227	Soil	0.8	24.1	8.0	52	<0.1	19.2	7.3	210	2.56	9.0	1.1	1.8	6.4	18	<0.1	0.6	0.1	45	0.23	0.041
118228	Soil	0.7	22.8	7.0	47	<0.1	16.8	7.1	260	2.34	8.0	1.3	2.3	6.7	20	<0.1	0.4	0.1	41	0.27	0.045
118229	Soil	0.6	20.7	7.0	50	<0.1	17.6	7.5	203	2.23	7.5	1.0	2.8	5.3	19	<0.1	0.4	0.1	42	0.26	0.056



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
118210	Soil	25	30	0.70	179	0.101	2	1.60	0.006	0.22	0.2	0.03	3.4	0.2	<0.05	7	0.7	<0.2
118211	Soil	42	35	0.94	279	0.135	<1	1.79	0.007	0.48	0.2	0.01	4.6	0.3	<0.05	7	<0.5	<0.2
118212	Soil	22	31	0.77	286	0.118	<1	1.71	0.007	0.25	0.2	0.02	3.9	0.2	<0.05	7	0.7	<0.2
118213	Soil	16	25	0.67	256	0.126	2	1.45	0.006	0.18	0.2	0.02	3.0	0.2	<0.05	7	<0.5	<0.2
118214	Soil	23	32	0.61	293	0.085	1	1.79	0.007	0.10	0.2	0.01	3.0	0.1	<0.05	6	0.5	<0.2
118215	Soil	26	28	0.55	297	0.082	2	1.61	0.007	0.09	0.2	0.02	2.8	0.1	<0.05	6	0.5	<0.2
118216	Soil	12	18	0.46	146	0.111	1	1.00	0.006	0.20	0.2	0.01	2.1	0.2	<0.05	7	<0.5	<0.2
118217	Soil	45	25	0.63	214	0.101	<1	1.56	0.007	0.26	0.2	0.02	3.1	0.2	<0.05	8	<0.5	<0.2
118218	Soil	51	33	0.46	392	0.052	1	1.81	0.007	0.05	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
118219	Soil	8	28	0.99	203	0.170	<1	2.25	0.006	0.55	0.2	<0.01	5.2	0.4	<0.05	9	<0.5	<0.2
118220	Soil	10	28	0.58	256	0.093	<1	1.61	0.006	0.26	0.2	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
118221	Soil	26	33	1.15	321	0.171	<1	1.89	0.009	0.52	0.2	<0.01	4.8	0.4	<0.05	8	<0.5	<0.2
118222	Soil	30	54	1.31	408	0.173	2	1.92	0.008	0.99	0.3	0.01	5.4	0.5	<0.05	10	0.5	<0.2
118223	Soil	10	26	0.64	258	0.122	<1	1.54	0.007	0.38	0.2	0.02	2.9	0.2	<0.05	6	0.5	<0.2
118224	Soil	58	26	0.66	230	0.115	2	1.43	0.008	0.20	0.2	0.02	3.3	0.2	<0.05	5	0.5	<0.2
118225	Soil	11	21	0.62	287	0.138	<1	1.24	0.007	0.45	0.2	0.01	2.9	0.2	<0.05	7	<0.5	<0.2
118226	Soil	24	24	0.64	234	0.124	<1	1.31	0.007	0.32	0.2	0.01	3.0	0.2	<0.05	5	<0.5	<0.2
118227	Soil	33	27	0.55	381	0.087	<1	1.41	0.010	0.14	0.2	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
118228	Soil	26	23	0.56	347	0.098	<1	1.25	0.011	0.17	0.2	0.03	3.7	0.1	<0.05	5	0.6	<0.2
118229	Soil	22	25	0.53	273	0.088	1	1.35	0.011	0.08	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
116284	Soil	0.7	17.8	10.7	51	<0.1	16.9	7.3	244	2.77	9.0	0.9	0.7	6.9	11	<0.1	0.9	0.2	48	0.11
REP 116284	QC	0.9	17.8	10.6	49	<0.1	17.0	7.6	251	2.78	8.8	0.9	1.3	7.0	11	<0.1	0.9	0.2	48	0.12
116316	Soil	1.1	12.5	17.7	47	0.2	17.6	8.2	203	3.40	9.2	1.2	<0.5	7.1	10	<0.1	0.5	0.2	72	0.09
REP 116316	QC	0.7	12.7	17.7	46	0.3	17.5	8.0	199	3.40	9.1	1.3	<0.5	6.9	9	<0.1	0.5	0.2	72	0.08
116333	Soil	1.4	19.7	8.8	105	<0.1	20.0	19.7	624	5.70	3.1	0.9	<0.5	15.3	24	<0.1	0.3	<0.1	77	0.48
REP 116333	QC	1.4	19.8	8.3	105	<0.1	18.5	20.0	617	5.73	3.5	0.9	<0.5	14.6	24	0.1	0.3	<0.1	76	0.53
116347	Soil	1.0	18.6	16.1	70	<0.1	89.5	12.5	355	3.10	8.6	0.6	2.7	4.2	15	0.1	0.4	0.2	64	0.13
REP 116347	QC	1.0	18.3	15.2	67	<0.1	90.5	12.8	357	3.05	8.4	0.5	2.1	4.0	14	0.1	0.5	0.2	63	0.12
116365	Soil	0.4	26.5	7.1	87	<0.1	25.5	17.9	675	3.90	3.9	0.6	0.7	3.7	13	<0.1	0.4	<0.1	90	0.28
REP 116365	QC	0.4	26.1	7.2	90	<0.1	25.8	19.0	687	3.97	3.9	0.5	0.5	3.7	13	<0.1	0.4	<0.1	90	0.26
116370	Soil	1.2	13.0	12.7	47	<0.1	13.9	5.6	163	2.42	9.4	0.6	1.7	5.1	11	<0.1	0.9	0.2	56	0.12
REP 116370	QC	1.1	13.5	13.1	47	<0.1	15.1	5.6	171	2.47	9.9	0.7	1.9	5.4	12	<0.1	0.8	0.2	54	0.14
117143	Soil	0.4	33.4	12.3	98	0.4	32.0	9.4	310	2.31	17.5	0.8	3.4	7.2	18	0.3	0.7	0.2	52	1.51
REP 117143	QC	0.4	32.9	12.4	94	0.4	31.7	9.2	313	2.29	17.2	0.8	4.8	7.1	18	0.2	0.8	0.1	51	1.47
117152	Soil	1.6	18.3	19.1	83	<0.1	22.7	6.6	270	2.80	11.7	1.6	1.5	9.9	7	<0.1	0.5	0.3	36	0.05
REP 117152	QC	1.5	17.5	19.1	83	<0.1	21.8	6.3	264	2.77	11.5	1.5	1.6	9.9	7	<0.1	0.6	0.3	35	0.05
117175	Soil	1.0	25.7	9.6	50	0.1	22.1	9.3	460	2.35	11.3	2.1	4.9	3.5	29	0.3	0.6	0.1	47	0.51
REP 117175	QC	0.8	25.4	9.5	50	0.1	22.8	9.2	459	2.33	11.1	2.0	4.1	3.4	29	0.2	0.6	0.2	46	0.53
117191	Soil	1.4	9.1	11.2	103	<0.1	14.6	11.5	722	4.86	6.6	1.4	<0.5	31.5	13	<0.1	0.4	<0.1	52	0.34
REP 117191	QC	1.4	9.1	10.8	101	<0.1	13.2	11.6	712	4.78	6.5	1.4	1.4	31.2	13	<0.1	0.3	<0.1	52	0.34
117216	Soil	0.3	77.6	6.1	93	<0.1	16.7	12.4	530	2.66	2.7	0.8	3.5	4.1	24	<0.1	0.2	0.1	43	0.39
REP 117216	QC	0.2	77.7	5.6	93	<0.1	16.8	12.6	537	2.73	3.1	0.8	2.5	3.9	24	<0.1	0.2	0.1	44	0.41
117232	Soil	1.8	61.4	16.7	165	0.7	69.0	17.9	1990	3.67	158.7	5.1	24.3	13.7	32	0.3	80.7	0.2	38	0.02
REP 117232	QC	1.9	61.1	17.1	159	0.7	70.3	17.5	1923	3.74	156.3	5.0	24.9	13.7	32	0.2	78.7	0.3	40	0.03
117245	Soil	0.6	65.4	11.4	88	<0.1	23.2	10.6	804	3.15	4.3	0.7	2.5	5.7	22	<0.1	0.4	0.2	65	0.25
REP 117245	QC	0.5	66.3	11.3	88	<0.1	22.9	10.4	814	3.10	4.0	0.8	4.2	5.7	22	<0.1	0.5	0.2	63	0.25
118144	Soil	1.0	15.9	9.0	54	<0.1	25.0	8.7	342	2.72	5.4	1.5	<0.5	8.8	14	<0.1	0.4	0.1	48	0.18
REP 118144	QC	0.9	15.5	8.8	54	<0.1	24.9	8.4	332	2.62	5.6	1.5	<0.5	8.7	14	<0.1	0.4	0.1	47	0.17



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Part 2

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
116284	Soil	25	26	0.53	237	0.061	1	1.60	0.005	0.09	0.1	0.06	3.5	0.1	<0.05	6	<0.5	<0.2
REP 116284	QC	25	26	0.55	242	0.063	1	1.61	0.006	0.09	0.1	0.05	3.5	0.1	<0.05	6	<0.5	<0.2
116316	Soil	12	36	0.34	195	0.038	<1	2.43	0.007	0.04	<0.1	0.02	3.0	0.1	<0.05	8	<0.5	<0.2
REP 116316	QC	12	34	0.34	185	0.037	<1	2.33	0.007	0.04	<0.1	0.03	2.8	0.1	<0.05	8	<0.5	<0.2
116333	Soil	59	71	1.57	204	0.034	2	3.27	0.006	0.26	<0.1	0.01	8.9	0.4	<0.05	14	<0.5	<0.2
REP 116333	QC	59	70	1.54	202	0.033	1	3.04	0.006	0.26	<0.1	0.01	9.0	0.3	<0.05	13	0.5	<0.2
116347	Soil	9	126	1.05	180	0.124	1	2.03	0.008	0.13	0.2	0.01	3.4	0.2	<0.05	7	<0.5	<0.2
REP 116347	QC	9	124	0.97	181	0.116	1	1.96	0.007	0.13	0.2	<0.01	3.3	0.2	<0.05	7	<0.5	<0.2
116365	Soil	31	100	1.87	544	0.213	<1	2.99	0.007	0.89	0.2	<0.01	3.9	0.4	<0.05	10	<0.5	<0.2
REP 116365	QC	31	100	1.90	574	0.210	<1	2.95	0.007	0.89	0.2	0.02	3.9	0.4	<0.05	10	<0.5	<0.2
116370	Soil	18	25	0.34	281	0.061	<1	1.39	0.006	0.06	0.2	0.07	2.6	0.1	<0.05	6	<0.5	<0.2
REP 116370	QC	19	26	0.36	296	0.065	1	1.50	0.006	0.07	0.2	0.07	2.9	0.1	<0.05	7	<0.5	<0.2
117143	Soil	35	36	2.31	436	0.073	1	1.84	0.007	0.14	0.2	0.06	4.6	0.3	<0.05	5	0.5	<0.2
REP 117143	QC	34	35	2.28	446	0.074	2	1.80	0.007	0.13	0.3	0.06	4.6	0.2	<0.05	5	0.7	<0.2
117152	Soil	11	24	0.20	153	0.011	<1	1.26	0.004	0.11	<0.1	0.03	2.9	0.1	<0.05	4	0.8	<0.2
REP 117152	QC	11	24	0.19	149	0.011	<1	1.21	0.004	0.11	<0.1	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
117175	Soil	14	28	0.43	340	0.047	<1	1.40	0.011	0.04	0.2	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
REP 117175	QC	14	28	0.42	339	0.046	2	1.36	0.012	0.04	0.2	0.05	3.1	<0.1	<0.05	4	<0.5	<0.2
117191	Soil	76	18	0.69	184	0.144	2	2.17	0.007	1.02	<0.1	0.01	10.5	0.9	<0.05	15	<0.5	<0.2
REP 117191	QC	74	17	0.69	179	0.143	3	2.14	0.007	1.00	<0.1	0.01	10.4	0.8	<0.05	15	<0.5	<0.2
117216	Soil	19	9	1.44	1407	0.070	<1	2.33	0.014	0.65	<0.1	0.02	10.1	0.1	<0.05	9	<0.5	<0.2
REP 117216	QC	19	9	1.43	1361	0.073	<1	2.38	0.014	0.67	<0.1	0.02	10.2	0.1	<0.05	9	<0.5	<0.2
117232	Soil	30	14	0.17	589	0.012	2	0.55	0.003	0.13	<0.1	0.17	7.0	0.3	<0.05	3	<0.5	<0.2
REP 117232	QC	31	14	0.17	605	0.011	1	0.56	0.003	0.13	<0.1	0.17	7.3	0.3	<0.05	3	<0.5	<0.2
117245	Soil	16	18	1.25	2117	0.187	<1	2.25	0.012	1.03	<0.1	0.02	8.9	0.2	<0.05	9	<0.5	<0.2
REP 117245	QC	16	17	1.22	2162	0.180	<1	2.22	0.012	1.02	<0.1	0.03	9.1	0.2	<0.05	9	<0.5	<0.2
118144	Soil	30	52	0.62	232	0.076	<1	1.77	0.007	0.15	0.1	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
REP 118144	QC	29	50	0.61	222	0.072	<1	1.71	0.007	0.14	0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
118167	Soil	0.4	21.1	11.0	87	<0.1	26.4	12.4	599	3.82	3.6	1.2	2.5	6.6	16	<0.1	0.2	<0.1	48	0.23
REP 118167	QC	0.3	21.0	11.0	90	<0.1	27.3	12.4	594	3.77	3.6	1.3	0.6	6.6	16	<0.1	0.2	<0.1	48	0.23
118173	Soil	1.2	58.5	7.4	41	<0.1	47.1	16.9	290	3.03	8.2	1.0	2.6	2.9	35	<0.1	0.5	0.1	78	0.53
REP 118173	QC	1.2	58.4	8.1	41	<0.1	47.3	16.9	301	2.97	8.2	1.0	2.1	2.9	36	<0.1	0.5	0.1	79	0.52
118201	Soil	1.0	11.9	5.8	64	<0.1	10.6	6.3	453	3.57	4.1	2.2	1.8	14.2	8	<0.1	0.2	0.2	44	0.10
REP 118201	QC	0.9	12.2	5.4	63	<0.1	10.0	6.3	444	3.48	4.0	2.1	0.9	13.8	8	<0.1	0.2	0.2	43	0.10
118215	Soil	1.2	13.4	10.3	47	<0.1	13.3	5.9	191	2.43	6.9	1.0	<0.5	8.0	12	<0.1	0.4	0.1	50	0.14
REP 118215	QC	1.0	13.7	10.6	46	<0.1	13.5	6.1	194	2.45	6.9	1.0	2.6	8.2	13	<0.1	0.3	0.2	51	0.14
Reference Materials																				
STD DS8	Standard	13.6	104.9	119.7	296	1.7	36.4	7.1	586	2.28	25.4	2.8	104.9	6.9	71	2.5	6.0	6.5	41	0.65
STD DS8	Standard	15.0	118.9	131.7	331	1.8	39.7	8.0	623	2.48	29.3	3.1	119.1	7.6	76	2.6	6.3	7.3	45	0.70
STD DS8	Standard	14.2	115.5	131.1	335	1.9	40.8	8.1	669	2.60	29.4	3.1	118.9	7.4	73	2.4	6.0	7.3	46	0.69
STD DS8	Standard	13.8	111.9	125.3	316	1.8	40.1	7.8	638	2.54	28.6	3.0	160.2	7.3	76	2.5	6.1	7.1	45	0.72
STD DS8	Standard	14.1	112.2	124.2	312	1.9	38.3	7.8	592	2.48	24.6	2.7	111.3	6.8	65	2.1	5.4	5.3	41	0.68
STD DS8	Standard	13.8	114.0	125.4	331	1.8	37.6	8.2	643	2.52	25.9	2.9	116.4	7.6	69	2.1	5.3	6.1	34	0.72
STD DS8	Standard	12.7	120.2	127.5	334	1.9	41.8	8.1	626	2.53	27.5	2.8	151.9	6.5	65	2.5	6.0	6.6	44	0.65
STD DS8	Standard	13.3	117.7	131.8	327	1.8	40.8	7.9	626	2.55	26.9	2.9	139.9	7.1	66	2.4	5.7	6.7	43	0.67
STD DS8	Standard	13.6	118.4	130.2	337	1.9	41.0	7.9	646	2.60	28.8	2.8	111.3	6.7	63	2.4	5.3	6.5	44	0.68
STD DS8	Standard	14.4	119.1	127.8	329	1.9	39.4	8.0	642	2.55	28.5	2.7	116.0	6.5	63	2.5	5.3	6.5	44	0.67
STD DS8	Standard	14.1	122.1	139.6	332	1.8	42.0	8.2	623	2.51	25.8	3.0	125.1	7.3	59	2.1	5.7	6.9	46	0.66
STD DS8	Standard	14.8	121.8	140.8	335	1.9	43.9	8.3	639	2.56	26.8	3.1	113.5	7.7	63	2.5	5.6	6.8	48	0.69
STD DS8	Standard	13.7	108.6	126.2	308	1.9	38.2	7.7	601	2.44	24.8	2.5	100.0	6.3	58	2.2	5.1	5.8	42	0.66
STD DS8	Standard	14.6	112.4	128.1	325	1.8	39.7	7.8	624	2.45	26.4	2.5	119.7	6.7	64	2.3	5.3	6.1	44	0.71
STD DS8	Standard	13.6	111.7	118.0	327	1.9	40.8	7.8	625	2.49	25.8	2.4	106.0	6.2	59	2.2	5.0	5.9	42	0.68
STD DS8	Standard	13.3	111.2	118.0	332	1.9	40.4	7.5	605	2.43	25.3	2.4	124.5	6.1	59	2.3	4.9	5.9	42	0.68
STD DS8	Standard	13.1	115.4	130.1	347	2.0	39.7	7.9	625	2.60	29.1	2.7	117.3	6.8	67	2.5	6.0	6.6	44	0.69
STD DS8	Standard	13.3	114.8	131.0	341	1.8	39.9	8.0	655	2.62	28.2	2.8	113.5	7.2	67	2.5	5.7	6.7	44	0.71
STD DS8	Standard	13.1	117.1	116.2	325	1.9	40.2	7.8	623	2.48	26.9	2.4	105.6	5.9	58	2.4	5.5	6.3	45	0.66
STD DS8	Standard	14.4	119.7	114.3	337	2.0	43.3	8.7	667	2.66	28.6	2.3	109.9	6.1	65	2.6	5.6	6.5	47	0.73



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
118167	Soil	17	50	1.23	328	0.218	<1	2.51	0.008	1.12	0.1	0.01	3.3	0.6	<0.05	8	<0.5	<0.2
REP 118167	QC	17	50	1.26	327	0.214	1	2.44	0.009	1.10	0.1	<0.01	3.2	0.6	<0.05	8	0.7	<0.2
118173	Soil	11	78	0.89	200	0.082	<1	2.18	0.014	0.03	<0.1	0.03	7.2	<0.1	<0.05	6	<0.5	<0.2
REP 118173	QC	11	77	0.88	202	0.084	1	2.20	0.014	0.03	<0.1	0.03	6.8	<0.1	<0.05	6	<0.5	<0.2
118201	Soil	45	17	1.25	814	0.210	1	2.21	0.009	0.76	0.1	0.02	6.3	0.4	<0.05	9	<0.5	<0.2
REP 118201	QC	44	16	1.22	803	0.207	<1	2.17	0.008	0.75	0.1	0.01	6.2	0.5	<0.05	9	0.6	<0.2
118215	Soil	26	28	0.55	297	0.082	2	1.61	0.007	0.09	0.2	0.02	2.8	0.1	<0.05	6	0.5	<0.2
REP 118215	QC	26	28	0.56	300	0.084	2	1.64	0.007	0.10	0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	111	0.59	285	0.117	3	0.86	0.089	0.38	2.8	0.20	2.6	5.1	0.10	4	4.7	4.8
STD DS8	Standard	16	119	0.64	301	0.130	3	0.94	0.102	0.41	3.2	0.23	2.8	5.5	0.16	5	6.1	5.1
STD DS8	Standard	16	125	0.59	300	0.134	2	0.90	0.095	0.43	3.2	0.22	2.1	5.6	0.19	5	5.5	5.2
STD DS8	Standard	16	124	0.62	284	0.134	2	0.91	0.095	0.43	3.0	0.21	2.1	5.5	0.18	5	5.6	4.5
STD DS8	Standard	15	117	0.62	251	0.116	3	0.90	0.088	0.42	3.1	0.20	2.2	5.4	0.15	5	4.4	4.9
STD DS8	Standard	16	115	0.62	265	0.130	3	0.97	0.096	0.44	3.2	0.18	2.3	5.9	0.23	5	5.1	5.4
STD DS8	Standard	13	121	0.59	253	0.116	3	0.84	0.072	0.41	3.0	0.20	1.9	5.6	0.17	5	5.6	4.7
STD DS8	Standard	13	123	0.58	263	0.119	1	0.80	0.068	0.40	2.8	0.20	1.9	5.6	0.18	5	4.6	4.5
STD DS8	Standard	14	124	0.63	261	0.114	4	0.93	0.076	0.44	2.8	0.20	2.0	5.4	0.17	5	6.1	5.2
STD DS8	Standard	14	123	0.62	259	0.111	3	0.92	0.077	0.43	2.7	0.20	2.1	5.4	0.19	5	4.7	4.6
STD DS8	Standard	14	124	0.61	270	0.117	2	0.87	0.080	0.42	3.2	0.22	2.1	5.6	0.17	5	5.8	4.9
STD DS8	Standard	15	129	0.64	281	0.125	2	0.94	0.087	0.43	3.2	0.22	2.1	5.8	0.18	5	5.2	4.9
STD DS8	Standard	14	122	0.61	264	0.116	4	0.89	0.082	0.40	3.0	0.20	1.8	5.1	0.17	5	4.8	4.8
STD DS8	Standard	16	124	0.61	281	0.124	4	0.91	0.087	0.42	3.0	0.19	2.1	5.7	0.16	5	5.3	5.3
STD DS8	Standard	14	122	0.63	262	0.113	3	0.90	0.078	0.42	3.0	0.22	2.0	5.8	0.17	5	5.7	4.8
STD DS8	Standard	14	118	0.65	261	0.113	3	0.89	0.077	0.41	3.1	0.22	2.1	5.6	0.17	5	5.7	4.5
STD DS8	Standard	13	117	0.64	271	0.107	3	0.93	0.088	0.43	3.0	0.21	1.9	5.4	0.14	5	6.6	5.4
STD DS8	Standard	15	121	0.63	281	0.110	2	0.94	0.088	0.43	2.9	0.20	2.0	5.4	0.16	5	6.9	5.1
STD DS8	Standard	13	121	0.63	277	0.111	2	0.89	0.086	0.43	3.0	0.21	2.0	5.2	0.18	5	5.5	5.3
STD DS8	Standard	15	124	0.69	283	0.123	2	1.01	0.094	0.46	3.2	0.20	2.3	5.3	0.24	5	5.7	5.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

WHI11000286.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
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
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
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
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
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
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
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
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
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
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
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: June 22, 2011
Report Date: July 06, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000287.1

CLIENT JOB INFORMATION

Project: WMOOSE
Shipment ID: 20110617100612
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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Greg Davidson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** 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:

WMOOSE

Report Date:

July 06, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000287.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
118230	Soil	3.2	63.6	11.1	50	<0.1	10.6	11.7	419	5.26	10.1	4.0	<0.5	18.4	9	<0.1	0.4	0.7	71	0.09	0.030
118231	Soil	1.1	19.7	6.7	59	<0.1	15.6	12.5	476	4.24	5.7	1.0	1.4	9.4	6	<0.1	0.4	0.3	75	0.10	0.034
118232	Soil	0.7	21.7	4.5	80	<0.1	17.6	17.3	689	5.06	3.0	0.6	<0.5	4.2	12	<0.1	0.2	0.1	116	0.39	0.134
118233	Soil	1.5	22.1	8.2	60	<0.1	16.7	9.2	347	2.99	6.9	1.0	<0.5	6.6	9	<0.1	0.4	0.2	57	0.12	0.028
118234	Soil	1.1	60.9	10.4	104	<0.1	16.6	10.2	424	3.19	7.5	1.5	2.0	4.2	13	0.1	0.4	0.3	79	0.17	0.022
118235	Soil	7.9	30.0	16.9	94	<0.1	11.0	7.0	367	3.10	7.1	0.9	1.3	4.1	12	<0.1	0.4	0.2	31	0.07	0.034
118236	Soil	1.3	51.2	8.4	67	<0.1	16.0	9.6	310	3.14	5.7	0.8	8.1	3.4	13	<0.1	0.3	0.2	64	0.17	0.023
118237	Soil	1.3	61.9	3.1	100	<0.1	21.4	15.7	580	3.69	2.8	0.6	1.1	2.2	7	<0.1	0.1	0.2	93	0.12	0.022
118238	Soil	1.6	31.5	2.8	103	<0.1	16.2	12.7	764	4.95	2.8	1.0	0.6	1.7	25	<0.1	0.2	0.2	91	0.24	0.060
118239	Soil	1.3	44.8	9.2	68	<0.1	19.7	11.3	401	3.23	9.4	2.2	3.7	6.5	12	<0.1	0.5	0.3	65	0.13	0.021
118240	Soil	1.4	63.4	3.3	240	<0.1	11.7	16.3	542	4.29	3.4	0.7	0.5	1.8	13	0.1	0.2	0.1	98	0.21	0.036
118241	Soil	1.2	62.5	7.4	108	<0.1	17.5	12.0	366	3.50	7.8	1.6	0.7	5.2	14	<0.1	0.4	0.2	80	0.18	0.026
118242	Soil	1.1	30.8	6.5	69	<0.1	20.1	11.9	275	2.89	5.8	0.5	1.4	2.3	9	<0.1	0.3	0.2	75	0.15	0.025
118243	Soil	1.5	59.3	7.8	81	<0.1	24.1	16.0	510	3.50	7.0	2.0	6.9	5.7	16	<0.1	0.4	0.2	80	0.22	0.020
118244	Soil	1.9	28.3	5.2	64	<0.1	13.5	8.9	507	3.50	3.2	0.8	1.4	2.5	13	<0.1	0.2	0.2	67	0.19	0.041
118245	Soil	1.0	36.9	5.0	74	<0.1	23.0	10.3	427	3.17	5.0	1.2	2.9	3.9	15	0.1	0.4	0.2	72	0.29	0.055
118246	Soil	1.0	24.6	7.9	66	<0.1	16.1	11.8	392	3.19	7.0	0.7	2.8	3.5	14	<0.1	0.4	0.2	66	0.23	0.043
118247	Soil	0.9	22.9	7.5	62	<0.1	13.8	9.3	297	2.46	7.0	0.9	1.5	3.7	16	<0.1	0.4	0.2	52	0.22	0.053
118248	Soil	1.4	44.6	12.9	65	<0.1	22.8	12.6	354	3.02	12.6	3.3	4.3	7.6	21	<0.1	0.7	0.2	58	0.22	0.026
118249	Soil	0.9	20.3	9.7	87	<0.1	23.0	13.9	470	3.60	5.5	1.4	<0.5	8.9	13	<0.1	0.3	0.2	69	0.20	0.031
118250	Soil	0.6	13.5	4.3	68	<0.1	19.0	19.4	300	3.01	2.4	0.4	<0.5	2.3	10	<0.1	0.1	<0.1	67	0.27	0.058
118251	Soil	0.9	21.0	6.4	90	<0.1	31.2	17.3	706	4.03	2.5	1.1	<0.5	7.6	10	<0.1	0.2	0.1	86	0.21	0.051
118252	Soil	0.8	12.2	6.7	75	<0.1	12.4	9.9	485	3.27	4.9	1.1	<0.5	9.4	12	<0.1	0.3	0.5	52	0.19	0.045
118253	Soil	1.7	18.3	6.7	193	<0.1	24.0	15.0	560	4.05	4.0	1.3	<0.5	9.2	13	0.1	0.2	0.2	87	0.19	0.038
118254	Soil	0.9	22.5	14.6	66	<0.1	24.3	9.7	257	2.73	7.6	1.2	1.5	11.8	11	<0.1	0.5	0.2	45	0.15	0.045
118255	Soil	1.2	17.3	16.6	62	<0.1	19.0	9.1	253	3.03	11.0	1.7	1.9	15.0	11	<0.1	0.7	0.2	49	0.08	0.017
118256	Soil	1.2	12.8	13.2	53	<0.1	18.4	8.3	213	2.74	11.6	0.7	0.9	7.9	9	<0.1	0.6	0.2	50	0.08	0.028
118257	Soil	0.9	27.2	11.7	54	<0.1	19.4	8.5	253	2.52	9.9	1.6	2.5	9.0	12	<0.1	0.7	0.2	45	0.11	0.022
118258	Soil	1.0	17.2	14.4	49	<0.1	14.1	6.1	217	2.23	8.2	1.7	2.1	13.8	13	<0.1	0.7	0.2	37	0.13	0.027
118259	Soil	1.1	11.7	12.3	42	<0.1	11.0	5.1	177	1.88	7.8	1.5	2.3	9.8	11	<0.1	0.6	0.1	30	0.13	0.040



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000287.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
118230	Soil	43	18	1.02	327	0.213	<1	2.20	0.005	0.84	0.2	<0.01	5.7	0.7	<0.05	10	<0.5	<0.2
118231	Soil	16	29	1.17	309	0.232	1	2.46	0.006	0.78	0.2	0.02	3.9	0.6	<0.05	9	<0.5	<0.2
118232	Soil	17	60	2.01	862	0.246	<1	2.76	0.008	1.44	0.1	0.02	4.8	0.5	<0.05	10	<0.5	<0.2
118233	Soil	17	35	0.91	232	0.124	1	1.70	0.006	0.39	0.2	<0.01	3.5	0.2	<0.05	6	<0.5	<0.2
118234	Soil	19	32	0.89	323	0.134	<1	1.78	0.007	0.34	<0.1	0.03	4.9	0.2	<0.05	5	<0.5	<0.2
118235	Soil	12	16	0.51	153	0.071	1	1.32	0.009	0.19	<0.1	0.01	3.6	0.2	0.08	4	0.6	<0.2
118236	Soil	11	34	0.74	369	0.107	1	1.61	0.007	0.20	<0.1	0.01	3.9	0.1	<0.05	5	0.5	<0.2
118237	Soil	9	49	1.53	420	0.189	<1	2.35	0.009	0.84	<0.1	0.01	4.3	0.4	<0.05	7	<0.5	<0.2
118238	Soil	8	29	1.69	669	0.199	<1	2.37	0.010	1.13	<0.1	<0.01	8.2	0.3	0.10	9	0.5	<0.2
118239	Soil	23	36	0.68	316	0.096	2	2.08	0.006	0.08	0.1	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
118240	Soil	11	24	1.55	434	0.224	<1	2.45	0.009	1.05	<0.1	<0.01	4.4	0.4	<0.05	8	<0.5	<0.2
118241	Soil	26	32	0.95	337	0.137	<1	2.06	0.009	0.18	0.2	0.02	4.2	0.1	<0.05	6	0.8	<0.2
118242	Soil	8	30	0.96	211	0.113	<1	1.89	0.008	0.17	<0.1	0.01	3.0	0.1	<0.05	5	<0.5	<0.2
118243	Soil	17	52	1.08	334	0.147	<1	2.19	0.007	0.15	0.1	0.04	6.6	0.1	<0.05	7	<0.5	<0.2
118244	Soil	9	32	1.25	321	0.173	<1	2.01	0.008	0.47	<0.1	<0.01	5.8	0.2	<0.05	8	<0.5	<0.2
118245	Soil	15	62	1.27	416	0.155	<1	1.98	0.009	0.68	0.1	0.02	4.9	0.3	<0.05	6	<0.5	<0.2
118246	Soil	9	33	0.89	278	0.120	<1	1.87	0.007	0.26	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
118247	Soil	12	27	0.60	253	0.087	<1	1.34	0.007	0.14	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
118248	Soil	39	37	0.57	492	0.071	2	1.65	0.008	0.07	0.2	0.07	5.9	<0.1	<0.05	5	0.6	<0.2
118249	Soil	49	56	1.34	560	0.221	1	2.32	0.007	0.79	0.2	<0.01	3.9	0.5	<0.05	9	<0.5	<0.2
118250	Soil	11	229	1.72	695	0.193	<1	2.35	0.009	1.02	0.1	0.02	2.2	0.4	<0.05	6	<0.5	<0.2
118251	Soil	40	79	1.59	629	0.264	<1	2.37	0.007	1.29	0.2	0.01	4.7	0.6	<0.05	10	<0.5	<0.2
118252	Soil	11	34	1.02	320	0.213	<1	1.98	0.006	0.67	0.2	0.01	2.9	0.4	<0.05	8	<0.5	<0.2
118253	Soil	45	128	1.98	559	0.253	<1	2.77	0.008	1.23	0.2	0.01	6.0	0.6	<0.05	10	<0.5	<0.2
118254	Soil	28	29	0.47	162	0.064	1	1.65	0.006	0.15	0.2	0.05	2.7	0.2	<0.05	5	0.6	<0.2
118255	Soil	31	28	0.38	181	0.040	2	1.72	0.006	0.07	0.1	0.05	3.5	0.2	<0.05	5	0.6	<0.2
118256	Soil	12	26	0.39	140	0.038	1	1.68	0.006	0.05	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
118257	Soil	30	28	0.44	208	0.042	<1	1.49	0.007	0.04	0.1	0.07	4.4	<0.1	<0.05	4	<0.5	<0.2
118258	Soil	36	21	0.30	157	0.040	1	1.18	0.006	0.04	0.1	0.09	3.0	<0.1	<0.05	4	<0.5	<0.2
118259	Soil	20	14	0.20	81	0.031	2	0.80	0.003	0.05	0.1	0.05	1.7	0.1	<0.05	3	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
118260	Soil	0.9	15.5	14.8	45	<0.1	15.1	6.1	168	2.16	8.9	1.2	1.9	9.8	16	<0.1	0.5	0.2	40	0.18	0.018
118261	Soil	1.0	29.5	15.1	69	<0.1	22.6	9.2	257	2.79	13.1	1.4	3.3	10.6	22	<0.1	0.8	0.2	42	0.26	0.045
118262	Soil	0.8	30.2	18.1	61	0.1	23.5	8.6	287	2.49	10.7	1.3	6.3	9.1	22	<0.1	0.9	0.2	42	0.34	0.052
118263	Soil	0.7	14.1	15.1	40	<0.1	10.7	4.9	203	1.55	5.5	1.9	1.4	14.3	11	<0.1	0.6	0.2	29	0.13	0.023
118264	Soil	0.9	16.7	12.7	48	<0.1	14.6	5.3	164	2.01	7.8	1.3	5.1	9.2	12	<0.1	0.6	0.2	39	0.13	0.022
118265	Soil	0.8	17.6	13.5	48	<0.1	14.9	5.4	173	2.08	8.3	1.3	1.7	9.1	14	<0.1	0.6	0.2	42	0.14	0.025
118266	Soil	0.9	30.4	17.1	57	<0.1	20.7	8.8	236	2.56	11.5	2.0	5.3	11.7	19	0.1	0.8	0.3	50	0.18	0.018
118267	Soil	0.8	16.0	13.4	40	<0.1	12.4	6.1	186	1.93	8.8	1.5	9.5	10.5	15	<0.1	0.8	0.2	37	0.15	0.018
118268	Soil	0.8	15.3	11.9	42	<0.1	13.8	5.3	171	1.93	11.9	1.7	2.2	11.8	12	<0.1	2.4	0.2	38	0.11	0.014
118269	Soil	0.8	13.1	13.2	35	<0.1	10.8	4.1	170	1.40	9.0	4.5	2.7	16.3	12	<0.1	0.8	0.1	27	0.14	0.018
118270	Soil	0.6	22.3	16.1	81	<0.1	22.0	11.8	251	3.45	40.2	1.6	3.0	7.5	21	<0.1	4.8	0.2	70	0.28	0.058
118271	Soil	1.2	20.9	14.7	50	<0.1	19.0	7.5	245	2.49	12.6	1.7	3.5	15.3	14	<0.1	1.0	0.2	50	0.13	0.014
118272	Soil	1.0	36.5	13.7	53	<0.1	23.8	8.7	216	2.92	13.9	1.7	5.1	12.9	14	<0.1	0.8	0.2	58	0.12	0.014
118273	Soil	1.2	21.5	12.3	44	0.1	18.3	8.0	284	2.86	10.3	1.4	3.1	6.9	16	<0.1	0.7	0.2	59	0.15	0.023
118274	Soil	1.4	26.8	14.6	61	<0.1	21.0	9.2	208	2.98	13.6	1.4	6.1	10.6	14	<0.1	0.8	0.2	60	0.11	0.017
118275	Soil	1.1	8.6	13.1	30	0.1	7.2	3.0	103	1.74	7.4	0.5	3.9	4.4	9	0.1	0.4	0.1	46	0.08	0.020
118276	Soil	1.3	14.6	13.4	40	<0.1	14.7	6.8	184	2.94	12.6	0.8	3.6	7.3	12	<0.1	0.4	0.2	63	0.11	0.021
118277	Soil	0.8	19.1	13.1	52	<0.1	20.4	8.6	229	2.63	13.6	0.8	2.8	8.9	12	<0.1	0.7	0.2	51	0.10	0.019
118278	Soil	1.5	14.8	15.3	48	<0.1	17.1	6.2	163	2.90	14.3	0.7	1.6	5.8	10	0.1	0.6	0.2	64	0.09	0.029
118279	Soil	1.1	18.7	12.3	52	<0.1	16.5	6.2	202	2.13	11.8	1.9	3.0	15.6	11	<0.1	1.2	0.1	40	0.09	0.013
118280	Soil	1.3	26.5	12.9	57	0.2	22.0	6.0	174	2.13	39.6	2.1	3.1	11.0	13	<0.1	1.3	0.1	42	0.06	0.020
118281	Soil	1.3	27.9	14.0	63	0.3	23.8	6.8	202	2.81	36.5	1.0	4.2	6.2	11	<0.1	0.9	0.2	54	0.10	0.044
118282	Soil	1.9	30.1	16.8	110	<0.1	80.4	12.9	384	3.61	103.8	1.3	3.4	9.5	13	0.1	2.5	0.3	50	0.04	0.060
118283	Soil	1.3	42.6	12.9	63	0.3	30.7	9.1	312	2.84	33.2	2.8	9.3	7.2	14	0.1	1.3	0.2	54	0.10	0.023
118284	Soil	1.2	26.0	14.0	60	0.3	31.0	8.5	265	2.34	59.5	1.0	4.3	4.6	14	<0.1	2.7	0.1	43	0.07	0.046
118285	Soil	1.1	37.6	24.6	63	<0.1	22.9	9.4	179	1.79	37.8	1.8	3.9	14.2	13	<0.1	3.5	0.3	50	0.04	0.038
118286	Soil	0.9	31.7	13.4	60	<0.1	24.5	10.1	303	2.61	14.7	2.0	4.0	6.3	13	<0.1	0.7	0.2	58	0.10	0.017
118287	Soil	1.0	29.3	13.4	52	0.1	21.3	8.0	195	2.61	22.7	1.3	3.8	7.3	10	0.1	1.2	0.2	53	0.07	0.020
118288	Soil	2.2	40.4	14.3	58	0.3	38.0	14.9	534	3.43	22.9	2.6	4.8	6.9	16	<0.1	1.1	0.3	68	0.12	0.045
118289	Soil	1.1	25.3	13.2	52	0.2	22.4	8.8	236	2.91	18.4	1.1	5.3	6.7	10	0.1	1.2	0.2	53	0.08	0.024



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
118260	Soil	22	23	0.34	204	0.040	1	1.29	0.006	0.05	0.1	0.08	3.0	0.1	<0.05	4	<0.5	<0.2
118261	Soil	34	26	0.47	283	0.075	1	1.37	0.007	0.19	0.1	0.05	3.7	0.2	<0.05	5	<0.5	<0.2
118262	Soil	22	26	0.41	287	0.045	3	1.28	0.010	0.06	0.2	0.08	3.5	<0.1	<0.05	4	0.6	<0.2
118263	Soil	26	16	0.24	129	0.036	2	0.83	0.005	0.04	0.1	0.09	1.9	0.1	<0.05	2	<0.5	<0.2
118264	Soil	18	22	0.35	169	0.040	<1	1.17	0.006	0.04	0.2	0.06	2.5	<0.1	<0.05	4	0.6	<0.2
118265	Soil	19	23	0.37	168	0.047	5	1.25	0.006	0.04	0.1	0.04	2.3	<0.1	0.05	4	0.7	<0.2
118266	Soil	26	30	0.46	337	0.059	2	1.69	0.007	0.04	0.2	0.06	5.0	<0.1	<0.05	5	<0.5	<0.2
118267	Soil	24	20	0.32	190	0.040	3	1.09	0.005	0.04	0.1	0.08	2.5	0.1	<0.05	3	0.5	<0.2
118268	Soil	22	19	0.32	192	0.041	3	1.17	0.004	0.04	0.1	0.08	2.6	0.2	<0.05	3	<0.5	<0.2
118269	Soil	34	15	0.25	150	0.040	3	0.85	0.010	0.03	0.1	0.05	1.9	<0.1	<0.05	3	<0.5	<0.2
118270	Soil	28	26	0.84	199	0.079	2	2.47	0.006	0.28	<0.1	0.03	4.3	0.3	<0.05	8	0.9	<0.2
118271	Soil	28	27	0.40	237	0.053	2	1.47	0.006	0.04	0.1	0.02	3.5	0.1	<0.05	5	0.7	<0.2
118272	Soil	23	34	0.48	246	0.070	2	1.81	0.009	0.05	0.1	0.05	6.1	<0.1	<0.05	5	0.9	<0.2
118273	Soil	18	31	0.40	307	0.053	3	1.72	0.007	0.04	0.1	0.03	4.4	<0.1	<0.05	5	0.8	<0.2
118274	Soil	29	33	0.47	210	0.069	<1	1.77	0.009	0.08	0.1	0.05	5.1	0.1	<0.05	6	0.5	<0.2
118275	Soil	12	17	0.18	121	0.055	1	1.26	0.005	0.05	0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
118276	Soil	14	31	0.38	193	0.056	3	1.84	0.009	0.04	0.1	0.03	2.8	<0.1	<0.05	6	0.8	<0.2
118277	Soil	13	31	0.47	213	0.049	1	1.81	0.006	0.05	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
118278	Soil	10	25	0.34	163	0.044	2	1.66	0.005	0.04	0.2	0.01	2.2	<0.1	<0.05	6	0.6	<0.2
118279	Soil	28	23	0.35	189	0.041	2	1.32	0.007	0.04	0.1	0.02	2.4	0.1	<0.05	4	0.6	<0.2
118280	Soil	20	20	0.17	151	0.015	2	1.04	0.003	0.04	<0.1	0.04	2.6	0.2	<0.05	3	1.1	<0.2
118281	Soil	14	30	0.36	235	0.030	1	1.64	0.005	0.04	0.1	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
118282	Soil	17	48	0.14	124	0.013	3	0.67	0.002	0.06	<0.1	<0.01	3.3	0.3	<0.05	3	1.5	<0.2
118283	Soil	26	34	0.43	375	0.041	2	1.62	0.007	0.05	0.1	0.06	5.7	0.2	<0.05	5	0.9	<0.2
118284	Soil	11	25	0.30	239	0.026	2	1.31	0.004	0.05	0.1	0.02	2.4	0.2	<0.05	3	0.7	<0.2
118285	Soil	22	23	0.16	205	0.014	<1	0.89	0.003	0.05	<0.1	0.01	4.3	0.1	<0.05	2	0.8	<0.2
118286	Soil	14	32	0.47	329	0.060	3	1.94	0.011	0.05	0.1	0.04	3.5	<0.1	<0.05	5	<0.5	<0.2
118287	Soil	19	28	0.39	212	0.052	<1	1.47	0.004	0.04	0.1	0.04	5.5	0.2	<0.05	4	0.9	<0.2
118288	Soil	17	41	0.46	395	0.053	<1	2.00	0.010	0.05	0.1	0.03	6.3	0.2	<0.05	6	<0.5	<0.2
118289	Soil	15	33	0.44	260	0.046	<1	1.88	0.005	0.05	0.2	0.02	3.1	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
118290	Soil	0.9	23.2	13.2	54	<0.1	22.1	8.1	199	2.70	20.7	1.4	6.0	6.5	10	<0.1	1.2	0.2	51	0.07	0.025
118291	Soil	1.6	38.3	16.0	132	0.1	67.7	10.5	571	3.81	114.1	1.3	5.6	8.2	8	0.2	4.7	0.2	42	0.04	0.035
118292	Soil	1.2	30.2	17.3	38	<0.1	18.5	4.7	106	1.85	119.1	1.6	4.0	7.4	28	<0.1	4.1	0.2	46	0.03	0.034
118293	Soil	1.2	17.5	14.0	63	0.3	21.8	10.3	378	2.76	33.3	0.7	1.0	5.1	12	0.1	1.5	0.2	58	0.09	0.049
118294	Soil	0.8	43.8	17.7	88	<0.1	37.4	14.6	442	4.15	13.4	2.3	1.3	22.3	4	<0.1	1.8	0.4	32	0.02	0.025
118295	Soil	1.9	32.6	13.1	65	0.2	21.6	6.2	146	2.72	40.9	1.2	2.2	5.8	7	0.1	2.8	0.2	56	0.03	0.038
118296	Soil	0.9	36.0	16.8	71	0.1	31.9	9.7	217	3.28	31.8	2.0	0.8	10.7	11	<0.1	1.7	0.3	41	0.04	0.029
118297	Soil	1.3	46.5	14.0	45	<0.1	22.3	10.6	164	1.38	11.9	1.2	1.3	6.8	8	<0.1	0.7	0.3	43	0.04	0.035
118298	Soil	1.3	16.1	9.5	53	<0.1	17.6	16.5	2917	2.00	15.2	4.0	1.8	4.2	15	0.3	0.9	0.1	35	0.32	0.069
118299	Soil	0.7	28.5	8.8	76	0.1	24.3	14.3	1665	2.71	10.7	11.1	0.9	4.5	33	0.3	0.7	0.1	48	0.65	0.076
118300	Soil	0.7	33.8	6.6	70	0.1	23.2	12.5	880	2.50	6.6	5.5	2.6	3.8	26	0.2	0.7	0.1	48	0.55	0.071
118301	Soil	0.3	69.6	3.3	37	<0.1	20.9	12.6	353	1.72	2.2	0.8	18.3	1.7	14	0.1	0.2	<0.1	46	0.42	0.070
118302	Soil	0.4	19.1	8.6	72	0.1	18.7	9.4	396	2.07	13.0	3.9	3.4	6.0	28	0.2	0.9	0.1	34	0.64	0.059
118303	Soil	0.6	16.7	6.9	61	<0.1	17.2	9.3	675	2.01	7.1	4.3	5.5	3.8	21	0.2	0.7	0.1	35	0.44	0.078
118304	Soil	0.8	16.0	7.7	58	<0.1	16.2	7.5	215	1.94	6.8	1.0	2.0	3.7	20	0.2	0.6	0.1	38	0.30	0.070
118305	Soil	0.7	14.0	7.5	53	<0.1	15.3	8.4	814	1.85	6.4	4.5	3.0	4.1	18	0.2	0.6	0.1	33	0.39	0.076
118306	Soil	0.8	20.3	7.4	68	<0.1	20.9	11.8	809	2.47	11.1	6.9	3.4	3.9	21	0.3	0.9	0.1	42	0.43	0.083
118307	Soil	0.7	18.6	7.9	74	0.1	17.1	7.7	325	1.74	8.0	2.2	1.6	3.9	24	0.4	1.5	0.1	32	0.44	0.075
118308	Soil	0.7	30.4	8.6	80	0.1	24.3	11.8	321	2.73	6.6	7.8	3.2	4.0	23	0.3	0.7	0.2	49	0.35	0.069
118309	Soil	0.8	19.9	6.7	70	0.1	20.8	11.4	736	2.24	6.7	3.7	3.3	3.5	21	0.3	0.6	0.2	43	0.39	0.070
118310	Soil	0.7	20.1	7.3	67	0.1	20.1	10.3	488	2.27	6.3	4.3	6.2	3.5	25	0.2	0.6	0.1	44	0.47	0.067
118311	Soil	0.7	26.8	8.1	71	0.1	22.8	10.3	382	2.41	6.8	5.8	3.4	4.0	25	0.2	0.7	0.1	47	0.45	0.069
118312	Soil	1.0	18.7	9.3	75	0.1	21.3	10.7	500	2.09	9.7	5.3	1.5	4.1	20	0.3	0.9	0.1	36	0.41	0.075
119172	Soil	2.7	72.4	23.9	110	<0.1	46.7	21.8	738	4.52	19.3	1.8	1.8	8.5	12	<0.1	0.8	0.3	66	0.09	0.038
119173	Soil	1.0	25.3	12.5	58	<0.1	23.0	9.9	312	3.34	14.3	1.0	3.3	5.4	9	<0.1	0.7	0.3	52	0.10	0.032
119174	Soil	0.6	30.3	12.2	77	<0.1	29.6	14.3	361	3.31	7.9	1.2	0.7	11.5	9	<0.1	0.4	0.3	47	0.15	0.041
119175	Soil	0.7	24.0	10.6	57	<0.1	22.1	10.2	269	2.81	11.0	1.5	4.9	6.5	11	<0.1	0.6	0.2	51	0.10	0.025
119176	Soil	0.5	33.8	13.5	70	<0.1	29.3	15.8	431	3.44	16.5	1.3	1.8	11.1	11	<0.1	0.6	0.2	48	0.13	0.026
119177	Soil	0.8	20.5	10.5	58	<0.1	21.5	10.8	323	2.63	11.7	1.1	4.0	5.1	14	<0.1	0.6	0.2	49	0.19	0.059
119178	Soil	1.0	24.1	14.5	64	<0.1	21.7	9.8	293	2.74	11.5	1.8	3.8	9.5	14	<0.1	0.7	0.3	53	0.12	0.016



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
118290	Soil	17	31	0.38	243	0.046	2	1.65	0.006	0.05	0.1	0.02	3.9	0.1	<0.05	4	0.6	<0.2
118291	Soil	13	28	0.18	163	0.014	1	1.00	0.002	0.05	0.1	0.06	3.9	0.6	<0.05	3	0.8	<0.2
118292	Soil	12	20	0.12	265	0.013	<1	0.84	0.003	0.07	<0.1	0.13	2.8	0.5	<0.05	2	0.6	<0.2
118293	Soil	9	26	0.32	241	0.029	<1	1.53	0.004	0.05	0.1	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
118294	Soil	60	19	0.13	137	0.010	<1	0.98	0.003	0.08	<0.1	0.04	5.3	0.1	<0.05	3	<0.5	<0.2
118295	Soil	11	23	0.20	153	0.025	<1	1.05	0.003	0.03	<0.1	0.06	3.0	0.2	<0.05	3	1.7	<0.2
118296	Soil	22	19	0.12	149	0.015	1	1.00	0.003	0.04	<0.1	0.04	3.4	0.3	<0.05	3	<0.5	<0.2
118297	Soil	12	18	0.08	177	0.009	<1	0.77	0.004	0.06	<0.1	<0.01	1.6	0.2	<0.05	2	1.2	<0.2
118298	Soil	12	17	0.37	376	0.050	<1	0.68	0.008	0.10	0.2	0.01	1.7	0.1	<0.05	2	<0.5	<0.2
118299	Soil	18	31	0.63	445	0.067	2	1.33	0.011	0.12	0.3	0.07	3.5	0.1	0.08	4	0.5	<0.2
118300	Soil	15	35	0.64	358	0.062	<1	1.30	0.012	0.12	0.4	0.08	3.7	0.1	<0.05	4	1.2	<0.2
118301	Soil	6	43	0.59	237	0.043	<1	0.93	0.013	0.11	0.2	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
118302	Soil	21	26	0.47	274	0.051	2	0.99	0.010	0.15	<0.1	0.04	3.3	0.2	<0.05	3	0.5	<0.2
118303	Soil	13	24	0.46	289	0.052	<1	0.98	0.008	0.10	0.5	0.07	2.4	0.1	<0.05	3	<0.5	<0.2
118304	Soil	15	19	0.40	231	0.040	<1	1.03	0.010	0.04	0.4	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
118305	Soil	13	24	0.41	262	0.056	<1	0.90	0.009	0.09	0.8	0.08	2.3	0.1	<0.05	3	<0.5	<0.2
118306	Soil	16	29	0.49	373	0.062	<1	1.12	0.008	0.11	0.6	0.09	3.0	0.1	<0.05	3	0.8	<0.2
118307	Soil	15	21	0.35	297	0.044	<1	0.90	0.008	0.08	0.3	0.09	2.5	0.1	<0.05	3	0.7	<0.2
118308	Soil	17	36	0.63	404	0.076	1	1.50	0.012	0.11	0.4	0.08	3.9	0.1	<0.05	5	<0.5	<0.2
118309	Soil	15	29	0.55	344	0.069	<1	1.21	0.009	0.12	0.5	0.22	2.9	0.1	<0.05	4	<0.5	<0.2
118310	Soil	15	30	0.57	326	0.069	2	1.24	0.012	0.11	0.5	0.06	3.0	0.1	<0.05	4	0.7	<0.2
118311	Soil	16	33	0.60	338	0.078	<1	1.40	0.013	0.11	0.5	0.07	3.6	0.1	<0.05	4	0.5	<0.2
118312	Soil	18	30	0.46	291	0.064	1	1.07	0.007	0.13	0.6	0.12	2.8	0.2	<0.05	3	0.9	<0.2
119172	Soil	24	39	0.85	125	0.139	<1	2.33	0.005	0.72	<0.1	0.01	3.6	0.6	<0.05	7	0.5	<0.2
119173	Soil	19	27	0.44	97	0.077	<1	1.44	0.005	0.19	<0.1	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
119174	Soil	36	33	0.72	138	0.115	<1	1.91	0.004	0.38	0.1	0.01	2.6	0.4	<0.05	6	<0.5	<0.2
119175	Soil	20	31	0.47	153	0.069	<1	1.67	0.006	0.08	0.2	0.04	3.1	0.1	<0.05	5	<0.5	<0.2
119176	Soil	33	37	0.80	197	0.130	<1	2.22	0.008	0.45	<0.1	0.03	2.9	0.3	<0.05	6	<0.5	<0.2
119177	Soil	19	33	0.54	197	0.072	1	1.58	0.009	0.11	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
119178	Soil	36	33	0.51	228	0.061	2	1.79	0.006	0.05	0.2	0.12	4.4	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
119179	Soil	0.9	11.9	20.8	71	<0.1	13.5	6.5	390	2.24	9.7	5.3	3.4	16.7	9	0.1	1.0	0.3	31	0.09	0.035
119180	Soil	0.7	15.5	16.9	62	<0.1	13.8	6.3	329	1.92	7.1	2.5	2.6	15.2	12	0.1	1.4	0.2	28	0.18	0.048
119181	Soil	1.0	13.3	20.1	57	<0.1	15.1	8.8	485	2.14	8.0	2.4	3.2	18.4	10	<0.1	1.4	0.3	29	0.12	0.035
119182	Soil	0.9	13.2	13.4	45	<0.1	15.6	6.2	161	2.27	8.4	0.9	8.5	8.5	8	<0.1	0.9	0.3	41	0.08	0.020
119183	Soil	0.7	23.4	12.3	64	<0.1	23.4	10.8	306	2.46	10.4	1.3	4.5	6.6	13	0.2	0.8	0.3	47	0.14	0.045
119184	Soil	1.1	13.7	22.6	44	<0.1	13.3	5.3	170	2.37	11.4	0.7	2.8	4.9	10	<0.1	1.4	0.5	52	0.09	0.030
119185	Soil	0.9	14.5	13.0	51	<0.1	14.9	7.0	185	2.81	12.5	0.9	2.8	5.8	10	<0.1	0.8	0.3	55	0.09	0.024
119186	Soil	0.8	12.9	15.8	49	0.1	14.2	7.3	283	2.79	20.4	0.9	4.1	4.5	11	0.1	4.5	0.2	52	0.13	0.052
119187	Soil	1.1	15.4	16.6	53	<0.1	16.4	8.9	388	2.21	9.9	1.1	1.7	11.1	10	0.2	1.5	0.2	35	0.09	0.038
119188	Soil	0.9	14.0	14.4	40	<0.1	12.3	4.9	142	2.09	9.1	1.1	3.4	8.1	10	0.1	0.7	0.2	47	0.09	0.022
119189	Soil	1.4	16.7	34.2	50	<0.1	14.8	7.4	313	2.32	18.5	1.6	2.9	10.9	12	0.1	1.9	0.4	46	0.12	0.066
119190	Soil	1.3	19.2	37.7	49	0.1	13.6	6.0	237	2.19	17.8	1.8	4.3	8.5	12	0.1	1.9	0.5	43	0.11	0.069
119191	Soil	1.3	11.4	16.0	50	<0.1	12.2	6.0	285	2.09	12.2	1.6	3.2	11.0	9	0.2	2.0	0.4	36	0.10	0.040
119192	Soil	1.0	26.7	22.9	71	<0.1	24.9	12.5	549	2.95	43.1	1.1	3.2	10.3	10	0.2	4.8	0.3	42	0.11	0.037
119193	Soil	1.1	25.0	13.0	70	<0.1	26.2	11.3	309	2.83	20.8	1.0	5.6	7.0	10	0.1	1.0	0.2	52	0.12	0.039
119194	Soil	0.7	13.8	10.9	56	<0.1	16.3	8.5	240	2.52	23.0	0.8	1.9	5.4	12	0.1	0.6	0.2	46	0.09	0.026
119195	Soil	0.7	16.5	10.2	51	<0.1	15.2	8.1	230	2.50	12.8	1.3	3.5	6.3	16	<0.1	0.4	0.2	49	0.14	0.035
119196	Soil	0.4	13.1	12.8	79	<0.1	16.3	13.6	509	3.94	9.5	0.9	2.2	11.2	17	<0.1	0.4	<0.1	74	0.24	0.060
119197	Soil	0.9	14.8	8.7	69	<0.1	22.1	13.9	390	3.82	11.4	0.7	1.5	5.6	14	<0.1	0.5	0.1	66	0.20	0.074
119198	Soil	0.7	19.3	9.7	52	<0.1	20.0	8.8	203	2.66	11.5	0.6	2.9	6.8	13	<0.1	0.6	0.2	49	0.11	0.025
119199	Soil	0.9	18.9	10.7	53	<0.1	18.1	8.3	278	2.82	12.0	1.8	3.1	8.9	20	<0.1	0.6	0.2	53	0.17	0.021
119200	Soil	0.8	11.8	11.7	58	<0.1	16.9	9.7	299	3.25	12.1	0.5	1.2	4.9	13	<0.1	0.4	0.1	61	0.15	0.084
119201	Soil	0.9	28.0	12.4	61	<0.1	22.1	10.6	356	2.82	9.8	1.8	2.5	11.8	13	<0.1	0.5	0.2	38	0.14	0.034
119202	Soil	1.3	21.3	13.8	62	<0.1	21.2	8.8	312	2.89	12.6	2.2	2.9	19.9	14	<0.1	0.7	0.2	43	0.15	0.029
119203	Soil	0.9	20.5	12.8	55	<0.1	18.2	8.7	255	2.74	12.5	1.7	3.9	12.8	13	<0.1	0.6	0.2	48	0.11	0.024
119204	Soil	1.3	16.0	16.8	61	<0.1	16.9	7.6	250	2.81	11.2	1.4	1.4	13.7	13	<0.1	0.6	0.2	44	0.13	0.028
119205	Soil	0.9	14.4	12.8	56	<0.1	13.4	6.2	239	2.16	7.1	2.2	1.3	18.0	14	<0.1	0.4	0.1	33	0.17	0.037
119206	Soil	1.1	25.2	16.8	71	<0.1	22.9	10.9	319	3.30	9.6	2.0	2.0	25.0	15	<0.1	0.5	0.3	46	0.16	0.033
119207	Soil	0.8	36.4	15.5	75	<0.1	36.8	17.1	349	4.08	13.4	1.9	2.9	18.0	12	<0.1	0.6	0.3	44	0.13	0.023
119208	Soil	0.5	25.2	19.4	73	<0.1	25.8	13.1	327	3.50	9.5	1.7	1.9	16.6	16	<0.1	0.4	0.2	41	0.21	0.033



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
119179	Soil	91	17	0.26	98	0.037	1	1.06	0.006	0.05	0.2	0.13	2.2	<0.1	<0.05	3	<0.5	<0.2
119180	Soil	71	18	0.30	134	0.046	<1	0.96	0.004	0.09	0.2	0.72	1.9	0.1	<0.05	3	<0.5	<0.2
119181	Soil	36	19	0.29	104	0.041	<1	1.23	0.004	0.10	0.3	0.39	2.0	0.2	<0.05	4	<0.5	<0.2
119182	Soil	14	24	0.32	112	0.043	<1	1.48	0.005	0.04	0.2	0.10	2.0	0.1	<0.05	4	0.5	<0.2
119183	Soil	21	28	0.42	203	0.049	<1	1.53	0.006	0.04	0.2	0.09	3.3	<0.1	<0.05	4	<0.5	<0.2
119184	Soil	15	24	0.30	99	0.045	<1	1.33	0.005	0.04	0.2	0.15	1.9	0.1	<0.05	5	<0.5	<0.2
119185	Soil	14	28	0.38	133	0.054	<1	1.66	0.006	0.04	0.2	0.05	2.6	0.1	<0.05	5	<0.5	<0.2
119186	Soil	18	25	0.34	126	0.040	<1	1.44	0.005	0.04	0.2	0.25	1.8	<0.1	<0.05	5	<0.5	<0.2
119187	Soil	23	21	0.30	118	0.031	<1	1.25	0.004	0.05	0.2	0.38	1.7	<0.1	<0.05	4	<0.5	<0.2
119188	Soil	23	24	0.29	152	0.044	1	1.43	0.005	0.04	0.1	0.22	2.5	0.1	<0.05	5	<0.5	<0.2
119189	Soil	33	25	0.32	170	0.039	2	1.43	0.005	0.06	0.2	1.27	2.3	0.2	<0.05	5	<0.5	<0.2
119190	Soil	35	23	0.28	256	0.031	2	1.36	0.005	0.06	0.2	1.22	2.3	0.2	<0.05	5	<0.5	<0.2
119191	Soil	31	19	0.24	110	0.034	1	1.02	0.004	0.06	0.5	0.73	1.7	0.1	<0.05	4	<0.5	<0.2
119192	Soil	20	28	0.42	103	0.066	2	1.47	0.004	0.29	0.1	0.25	2.9	0.3	<0.05	5	<0.5	<0.2
119193	Soil	21	32	0.41	173	0.055	1	1.63	0.005	0.09	0.1	0.04	2.4	0.2	<0.05	4	<0.5	<0.2
119194	Soil	11	25	0.42	150	0.035	<1	1.57	0.005	0.05	0.1	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
119195	Soil	17	26	0.49	187	0.048	<1	1.71	0.010	0.10	0.1	0.05	3.0	0.2	<0.05	5	<0.5	<0.2
119196	Soil	43	38	1.33	232	0.161	<1	2.77	0.008	0.64	0.1	<0.01	2.9	0.6	<0.05	8	<0.5	<0.2
119197	Soil	13	37	1.03	190	0.102	1	2.54	0.009	0.33	0.1	0.02	2.4	0.3	<0.05	6	<0.5	<0.2
119198	Soil	12	27	0.50	158	0.049	<1	1.57	0.006	0.05	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
119199	Soil	46	32	0.58	228	0.067	<1	1.59	0.010	0.07	0.1	0.06	4.9	<0.1	<0.05	4	<0.5	<0.2
119200	Soil	11	29	0.70	179	0.077	<1	1.89	0.006	0.21	0.2	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
119201	Soil	43	24	0.43	182	0.047	1	1.27	0.006	0.11	0.1	0.05	3.7	0.1	<0.05	4	<0.5	<0.2
119202	Soil	55	26	0.42	203	0.034	1	1.43	0.006	0.07	<0.1	0.12	3.8	0.2	<0.05	5	<0.5	<0.2
119203	Soil	40	29	0.43	236	0.033	1	1.56	0.006	0.05	0.1	0.10	5.1	0.1	<0.05	5	<0.5	<0.2
119204	Soil	24	25	0.38	157	0.026	2	1.52	0.006	0.06	0.1	0.05	2.6	0.1	<0.05	5	<0.5	<0.2
119205	Soil	46	18	0.30	157	0.039	<1	0.99	0.007	0.06	<0.1	0.08	2.9	<0.1	<0.05	4	<0.5	<0.2
119206	Soil	47	29	0.51	225	0.059	<1	1.90	0.008	0.22	<0.1	0.05	4.3	0.2	<0.05	6	<0.5	<0.2
119207	Soil	63	35	0.66	246	0.091	<1	2.08	0.006	0.40	<0.1	0.02	4.8	0.4	<0.05	6	<0.5	<0.2
119208	Soil	43	31	0.71	230	0.090	<1	1.93	0.007	0.44	<0.1	0.03	3.9	0.4	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
119209	Soil	1.0	16.9	18.0	92	<0.1	21.6	11.3	281	3.54	12.2	0.7	3.5	7.6	10	0.1	0.4	0.3	50	0.10	0.029
119210	Soil	0.6	26.3	25.7	108	<0.1	29.8	13.8	367	3.73	5.8	1.0	1.0	11.9	10	0.1	0.3	0.2	38	0.16	0.041
119211	Soil	1.0	26.3	22.8	97	<0.1	31.0	11.2	219	4.80	8.0	2.0	0.8	21.1	6	<0.1	4.4	0.3	39	0.11	0.076
119212	Soil	0.6	16.2	11.9	45	<0.1	14.2	6.7	172	2.27	6.0	2.3	2.6	10.5	14	<0.1	0.4	0.2	38	0.15	0.016
119213	Soil	0.7	42.9	18.4	71	<0.1	34.8	13.2	315	4.63	7.7	2.2	0.7	21.3	11	<0.1	0.9	0.2	34	0.15	0.038
119214	Soil	0.7	13.6	13.6	54	<0.1	14.0	6.7	272	2.29	9.9	2.0	1.3	11.6	13	<0.1	0.8	0.2	38	0.15	0.035
119215	Soil	0.7	14.8	11.7	51	<0.1	13.4	6.3	243	2.14	8.6	2.1	1.5	12.4	13	<0.1	0.6	0.2	36	0.14	0.030
119216	Soil	1.0	12.6	14.3	49	<0.1	13.6	6.8	224	2.48	11.1	0.8	2.1	6.6	14	<0.1	0.6	0.2	47	0.13	0.028
119217	Soil	1.4	12.8	13.0	57	<0.1	15.1	6.8	195	3.03	15.3	0.6	2.0	5.7	11	0.1	1.0	0.3	58	0.08	0.033
119218	Soil	1.2	7.7	14.5	45	<0.1	8.7	4.0	166	2.29	9.0	0.4	1.0	3.4	7	0.1	0.6	0.3	53	0.07	0.052
119219	Soil	0.9	16.9	13.8	54	<0.1	13.3	6.0	195	2.20	9.1	2.4	2.5	14.7	12	<0.1	1.3	0.2	40	0.09	0.019
119220	Soil	0.8	14.6	12.5	51	<0.1	12.4	5.3	186	1.92	8.2	1.8	1.0	10.9	13	<0.1	0.9	0.2	37	0.14	0.026
119221	Soil	1.1	27.8	21.5	71	0.1	17.8	8.2	247	2.90	10.4	5.9	1.9	11.6	21	0.2	1.5	0.3	53	0.19	0.038
119222	Soil	0.7	16.7	11.7	44	<0.1	11.6	5.3	188	1.73	7.2	4.0	1.9	10.8	15	0.1	1.0	0.2	35	0.16	0.026
119223	Soil	1.3	16.6	14.2	54	<0.1	14.7	7.3	231	2.50	11.5	3.5	5.1	10.8	16	0.1	0.9	0.2	51	0.16	0.025
119224	Soil	0.7	28.9	9.1	50	<0.1	20.0	8.6	262	2.45	9.0	0.7	8.5	3.5	17	<0.1	0.5	0.2	44	0.22	0.067
119225	Soil	0.8	25.8	8.2	63	<0.1	17.8	9.5	320	2.77	8.6	0.6	3.2	3.6	12	<0.1	0.5	0.1	53	0.12	0.018
119226	Soil	0.6	61.3	7.2	75	<0.1	19.4	14.0	326	3.52	7.6	0.6	1.6	4.4	10	<0.1	0.3	0.1	84	0.12	0.017
119227	Soil	0.8	34.3	8.5	67	<0.1	19.0	10.3	341	3.02	8.0	0.6	2.5	3.6	12	<0.1	0.4	0.1	63	0.14	0.023
119228	Soil	0.4	53.5	4.9	115	<0.1	29.5	20.6	551	4.01	2.6	0.4	<0.5	1.8	13	<0.1	0.2	<0.1	118	0.23	0.024
119229	Soil	0.8	39.9	8.7	76	<0.1	23.5	13.9	363	3.79	7.0	0.5	4.1	3.0	9	<0.1	0.4	0.2	93	0.16	0.030
119230	Soil	2.6	98.6	7.9	149	<0.1	26.8	23.1	708	4.02	2.2	0.8	7.8	2.8	20	0.2	0.2	0.1	99	0.42	0.082
119231	Soil	2.2	55.8	30.6	184	<0.1	17.7	11.4	379	3.64	9.5	0.9	16.7	4.9	18	<0.1	1.0	0.2	61	0.19	0.032
119232	Soil	1.0	15.4	11.8	52	<0.1	19.9	8.8	219	3.29	11.9	0.5	2.2	3.9	12	<0.1	0.8	0.2	68	0.13	0.022
119233	Soil	1.0	24.3	7.3	70	<0.1	38.2	13.8	298	3.08	6.8	0.3	2.8	2.3	8	<0.1	0.4	0.1	88	0.16	0.022
119234	Soil	1.1	15.5	12.7	60	<0.1	20.1	10.4	299	3.01	10.9	0.9	4.0	6.7	17	0.1	0.6	0.2	59	0.17	0.018
119235	Soil	1.1	14.4	10.9	55	<0.1	15.3	8.0	232	2.81	11.3	0.6	2.9	4.4	10	0.1	3.6	0.2	61	0.12	0.018
119236	Soil	1.0	27.5	6.9	109	<0.1	25.3	19.0	592	4.44	22.9	0.8	1.2	4.3	15	<0.1	5.0	0.1	82	0.27	0.030
119237	Soil	0.8	28.0	9.5	88	<0.1	23.0	13.6	401	3.82	9.6	1.5	3.3	6.9	15	<0.1	0.7	0.2	71	0.19	0.019
119238	Soil	0.8	8.5	10.0	50	<0.1	6.7	4.0	195	2.06	7.9	0.5	2.4	1.9	9	0.1	0.8	0.2	52	0.14	0.027



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
119209	Soil	10	33	0.61	154	0.068	<1	1.95	0.005	0.23	0.1	0.01	2.4	0.2	<0.05	6	<0.5
119210	Soil	17	30	0.82	178	0.135	<1	2.21	0.005	0.72	<0.1	<0.01	2.3	0.5	<0.05	7	<0.5
119211	Soil	43	30	0.68	124	0.068	<1	2.25	0.006	0.52	<0.1	0.01	2.2	0.4	<0.05	8	<0.5
119212	Soil	46	24	0.46	235	0.072	<1	1.40	0.010	0.14	<0.1	0.03	3.5	0.2	<0.05	5	<0.5
119213	Soil	62	32	0.89	277	0.172	<1	2.57	0.006	1.15	<0.1	0.01	3.0	0.9	<0.05	8	<0.5
119214	Soil	24	21	0.37	151	0.065	1	1.32	0.007	0.14	0.1	0.04	2.4	0.2	<0.05	4	<0.5
119215	Soil	26	21	0.39	158	0.067	<1	1.29	0.006	0.13	0.1	0.04	2.4	0.2	<0.05	4	<0.5
119216	Soil	11	25	0.36	213	0.033	<1	1.67	0.008	0.04	0.1	0.01	2.0	<0.1	<0.05	5	<0.5
119217	Soil	9	27	0.37	161	0.036	<1	1.72	0.006	0.06	0.1	0.01	2.3	<0.1	<0.05	5	<0.5
119218	Soil	9	17	0.20	98	0.032	<1	1.17	0.004	0.04	0.1	0.01	1.3	<0.1	<0.05	5	<0.5
119219	Soil	28	23	0.36	216	0.046	<1	1.35	0.006	0.05	0.1	0.03	2.7	<0.1	<0.05	4	<0.5
119220	Soil	17	20	0.33	153	0.051	<1	1.21	0.007	0.05	0.1	0.03	2.0	<0.1	<0.05	4	<0.5
119221	Soil	22	28	0.40	305	0.053	<1	2.01	0.008	0.07	0.1	0.04	3.7	<0.1	<0.05	6	<0.5
119222	Soil	21	19	0.29	203	0.051	<1	1.05	0.008	0.05	0.1	0.02	2.7	<0.1	<0.05	3	<0.5
119223	Soil	22	25	0.37	289	0.040	<1	1.68	0.007	0.04	0.1	0.02	2.9	0.1	<0.05	5	<0.5
119224	Soil	14	24	0.50	231	0.046	<1	1.42	0.009	0.05	0.1	0.02	3.1	<0.1	<0.05	4	<0.5
119225	Soil	11	28	0.67	225	0.089	<1	1.89	0.007	0.11	0.1	0.02	3.4	0.1	<0.05	5	<0.5
119226	Soil	13	37	1.24	276	0.129	<1	2.45	0.010	0.35	<0.1	0.01	4.5	0.2	<0.05	7	<0.5
119227	Soil	10	37	0.84	261	0.102	<1	1.95	0.008	0.14	0.1	<0.01	3.7	0.1	<0.05	6	<0.5
119228	Soil	8	85	2.53	978	0.237	<1	3.27	0.015	1.11	0.1	<0.01	3.8	0.4	<0.05	9	<0.5
119229	Soil	7	47	1.14	345	0.167	<1	2.39	0.008	0.34	0.2	0.01	3.6	0.2	<0.05	8	<0.5
119230	Soil	11	68	1.94	1166	0.154	<1	2.78	0.014	0.86	<0.1	0.02	7.4	0.4	<0.05	8	0.6
119231	Soil	14	29	0.92	408	0.076	<1	2.05	0.008	0.11	<0.1	0.04	5.6	0.2	<0.05	6	0.5
119232	Soil	11	42	0.55	283	0.073	<1	1.92	0.006	0.05	0.2	0.02	2.8	0.1	<0.05	6	<0.5
119233	Soil	5	166	1.45	443	0.209	<1	2.56	0.010	0.24	0.2	<0.01	2.2	0.2	<0.05	8	<0.5
119234	Soil	17	34	0.59	312	0.074	1	1.96	0.008	0.06	0.1	0.04	4.1	0.1	<0.05	6	<0.5
119235	Soil	10	32	0.55	208	0.105	<1	1.90	0.006	0.10	0.1	0.03	2.8	0.2	<0.05	6	<0.5
119236	Soil	18	71	1.94	751	0.291	<1	3.25	0.010	0.93	0.2	0.01	5.5	0.5	<0.05	8	0.6
119237	Soil	35	55	1.26	596	0.202	1	2.92	0.008	0.48	0.1	0.04	5.7	0.4	<0.05	7	0.5
119238	Soil	8	20	0.64	145	0.143	<1	1.36	0.005	0.16	<0.1	<0.01	2.2	0.2	<0.05	8	<0.5



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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
119239	Soil	0.9	12.9	10.9	56	<0.1	13.2	6.5	214	2.99	10.5	0.7	<0.5	4.0	11	0.1	0.6	0.2	61	0.14	0.030
119240	Soil	1.1	16.2	11.7	64	<0.1	16.5	8.9	263	3.41	11.8	0.8	1.9	5.5	10	<0.1	0.7	0.2	56	0.12	0.029
119241	Soil	1.5	31.6	13.7	83	<0.1	25.3	12.4	403	4.78	9.7	0.9	2.4	4.9	8	0.1	0.6	0.2	87	0.12	0.038
119242	Soil	0.8	9.2	13.1	41	<0.1	9.1	3.6	133	1.83	7.1	0.6	1.2	2.2	8	<0.1	0.3	0.3	56	0.10	0.029
119243	Soil	1.0	15.4	14.7	65	<0.1	19.9	6.8	232	2.78	7.7	0.9	2.0	6.6	12	0.1	0.5	0.2	54	0.15	0.027
119244	Soil	0.6	15.3	13.1	31	<0.1	13.8	3.8	111	1.91	4.8	0.6	2.4	2.2	11	<0.1	0.3	0.2	51	0.11	0.018
119245	Soil	1.2	12.4	15.4	50	<0.1	21.0	6.3	213	3.19	8.1	0.4	1.8	3.8	9	<0.1	0.4	0.3	70	0.11	0.028
119246	Soil	1.1	76.6	9.6	58	<0.1	30.2	13.2	320	3.36	4.4	0.5	1.5	3.2	12	<0.1	0.4	0.2	104	0.27	0.040
119247	Soil	1.1	32.0	10.5	45	<0.1	12.9	8.3	211	2.89	8.7	0.4	2.4	3.2	11	<0.1	0.6	0.2	70	0.13	0.020
119248	Soil	0.7	31.7	7.9	20	<0.1	9.7	3.2	86	1.13	3.7	0.3	2.4	0.6	8	<0.1	0.2	0.1	43	0.12	0.029
119249	Soil	0.6	74.6	7.6	39	<0.1	19.8	8.7	141	2.16	6.0	0.4	4.4	1.5	13	<0.1	0.3	0.1	65	0.19	0.025
119250	Soil	0.7	64.7	7.8	38	<0.1	28.1	11.1	146	2.20	4.9	0.2	3.9	1.5	23	<0.1	0.2	0.1	73	0.17	0.018
119251	Soil	0.5	50.4	5.5	23	<0.1	14.8	5.9	91	1.39	2.7	0.4	1.9	0.6	16	<0.1	0.2	<0.1	53	0.18	0.013
119252	Soil	0.6	78.1	8.7	36	<0.1	21.0	10.6	165	1.93	4.5	0.3	1.0	1.5	13	<0.1	0.2	<0.1	55	0.18	0.026
119253	Soil	1.0	43.2	10.1	45	<0.1	20.5	10.8	180	2.46	9.6	0.6	7.5	3.7	15	0.1	0.4	0.2	57	0.15	0.020
119254	Soil	0.7	36.6	10.5	38	<0.1	14.8	6.4	115	2.52	9.1	0.4	2.9	2.9	10	<0.1	0.4	0.2	69	0.11	0.022
119255	Soil	1.0	38.1	10.3	42	<0.1	24.3	10.1	189	2.36	9.1	0.5	1.6	3.2	12	<0.1	0.4	0.2	61	0.12	0.021
119256	Soil	0.6	108.4	7.2	40	<0.1	24.0	12.3	215	2.20	3.8	0.3	2.5	1.7	9	<0.1	0.2	<0.1	61	0.23	0.033
119257	Soil	0.9	99.2	6.6	37	<0.1	21.4	10.3	178	2.18	5.1	0.3	2.7	1.2	15	<0.1	0.4	<0.1	64	0.23	0.036
119258	Soil	0.7	88.4	7.4	41	<0.1	32.1	12.4	188	2.47	5.9	0.3	2.8	2.2	13	<0.1	0.5	<0.1	64	0.20	0.024
119259	Soil	0.6	67.8	5.7	37	<0.1	24.8	14.8	203	2.32	5.1	0.2	1.2	1.3	8	0.1	0.3	<0.1	61	0.18	0.022
119260	Soil	0.8	50.4	7.4	42	<0.1	23.3	11.3	160	2.75	7.1	0.3	3.2	1.7	8	<0.1	0.3	0.1	69	0.12	0.031
119261	Soil	1.5	20.9	13.8	58	0.2	19.5	9.8	242	3.36	12.1	0.8	5.7	5.6	12	<0.1	0.8	0.2	74	0.14	0.025
119262	Soil	0.9	14.4	11.9	60	<0.1	10.6	8.1	307	2.88	4.7	0.6	2.9	3.3	14	<0.1	0.2	0.2	63	0.18	0.080
119263	Soil	1.2	17.1	13.0	66	<0.1	23.9	9.9	256	3.48	11.8	0.5	6.1	5.1	12	0.1	0.6	0.2	72	0.16	0.049
119264	Soil	0.7	8.6	8.0	77	<0.1	21.8	15.2	364	2.89	4.0	0.6	0.7	4.5	10	<0.1	0.2	<0.1	67	0.26	0.083
119265	Soil	0.8	9.1	7.8	65	<0.1	17.0	11.8	283	2.70	4.4	0.5	<0.5	3.6	10	<0.1	0.2	<0.1	66	0.19	0.050
119266	Soil	0.9	14.2	11.8	77	<0.1	19.0	10.1	294	3.59	16.5	1.5	1.6	13.2	10	<0.1	0.5	0.1	54	0.15	0.047
119267	Soil	1.0	18.0	10.7	50	<0.1	13.8	7.1	216	2.77	22.6	5.3	3.4	14.7	14	<0.1	1.4	0.2	46	0.14	0.036
119268	Soil	0.5	9.3	8.8	138	<0.1	21.9	17.8	464	4.70	6.7	0.9	<0.5	6.2	13	<0.1	0.6	<0.1	87	0.22	0.030



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
119239	Soil	13	27	0.55	165	0.105	<1	1.69	0.004	0.13	0.1	0.02	2.4	0.2	<0.05	7	<0.5	<0.2
119240	Soil	11	32	0.59	159	0.098	<1	2.02	0.006	0.10	0.2	0.04	2.6	0.2	<0.05	6	<0.5	<0.2
119241	Soil	8	71	0.99	213	0.202	<1	2.27	0.005	0.50	0.2	0.03	5.8	0.3	<0.05	9	<0.5	<0.2
119242	Soil	12	21	0.35	110	0.125	<1	1.04	0.005	0.15	<0.1	<0.01	2.0	0.2	<0.05	8	<0.5	<0.2
119243	Soil	17	36	0.59	205	0.129	<1	1.70	0.006	0.17	0.2	0.01	3.1	0.2	<0.05	7	<0.5	<0.2
119244	Soil	14	32	0.34	176	0.093	<1	1.25	0.006	0.05	<0.1	0.02	2.3	0.2	<0.05	7	<0.5	<0.2
119245	Soil	11	44	0.53	160	0.127	<1	1.55	0.006	0.14	0.1	<0.01	3.2	0.2	<0.05	8	<0.5	<0.2
119246	Soil	12	52	0.97	281	0.169	<1	1.91	0.012	0.29	0.1	0.02	4.8	0.2	<0.05	8	<0.5	<0.2
119247	Soil	11	26	0.45	169	0.088	<1	1.38	0.008	0.09	<0.1	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
119248	Soil	8	25	0.24	94	0.054	<1	0.76	0.009	0.04	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
119249	Soil	9	56	0.64	200	0.075	<1	1.46	0.009	0.13	<0.1	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
119250	Soil	6	97	0.95	189	0.112	<1	1.64	0.011	0.24	<0.1	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
119251	Soil	5	49	0.53	139	0.091	<1	1.00	0.012	0.03	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
119252	Soil	6	55	0.67	175	0.079	<1	1.43	0.012	0.07	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
119253	Soil	11	41	0.50	211	0.068	<1	1.77	0.008	0.05	0.1	0.04	3.0	0.1	<0.05	5	<0.5	<0.2
119254	Soil	9	41	0.45	127	0.078	<1	1.52	0.007	0.04	0.1	0.01	2.1	0.1	<0.05	6	<0.5	<0.2
119255	Soil	10	51	0.51	217	0.069	<1	1.56	0.005	0.04	0.2	0.01	2.0	0.1	<0.05	5	<0.5	<0.2
119256	Soil	6	56	0.80	269	0.090	<1	1.46	0.012	0.16	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
119257	Soil	6	45	0.62	217	0.077	<1	1.46	0.012	0.10	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
119258	Soil	8	76	0.74	193	0.077	<1	1.67	0.009	0.05	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
119259	Soil	4	72	0.91	275	0.134	<1	1.88	0.007	0.21	<0.1	0.01	2.5	0.1	<0.05	4	<0.5	<0.2
119260	Soil	6	51	0.58	116	0.062	<1	1.80	0.007	0.04	0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
119261	Soil	13	40	0.56	271	0.094	<1	2.37	0.003	0.10	0.1	0.03	3.6	0.2	<0.05	7	<0.5	<0.2
119262	Soil	11	28	0.67	173	0.133	<1	1.79	0.002	0.35	<0.1	<0.01	2.4	0.3	<0.05	9	<0.5	<0.2
119263	Soil	10	54	0.77	168	0.102	<1	2.05	0.002	0.17	0.2	0.01	2.6	0.2	<0.05	8	<0.5	<0.2
119264	Soil	7	459	1.75	322	0.156	<1	2.45	0.008	0.75	0.1	<0.01	1.7	0.3	<0.05	9	0.5	<0.2
119265	Soil	8	379	1.40	275	0.166	1	2.18	0.007	0.58	0.1	<0.01	1.9	0.3	<0.05	10	<0.5	<0.2
119266	Soil	22	30	0.69	154	0.106	1	2.57	0.005	0.46	0.1	0.02	4.8	0.4	<0.05	8	<0.5	<0.2
119267	Soil	29	26	0.39	155	0.040	<1	1.54	0.004	0.16	<0.1	0.05	5.8	0.2	<0.05	6	<0.5	<0.2
119268	Soil	19	98	2.29	397	0.226	<1	3.85	0.007	1.50	0.2	<0.01	6.1	0.8	<0.05	9	<0.5	<0.2



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Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or QC J9P 1S5 Canada

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000287.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
119269	Soil	1.1	20.1	11.8	59	0.1	23.2	11.4	297	3.12	13.3	0.7	2.2	5.7	12	<0.1	0.6	0.1	58	0.14	0.038
119270	Soil	0.9	15.5	12.5	53	<0.1	14.3	8.2	267	2.90	9.9	1.6	0.5	8.3	11	<0.1	0.8	0.2	66	0.14	0.028
119271	Soil	0.6	26.1	15.3	112	<0.1	26.1	13.7	354	3.84	12.6	1.3	<0.5	15.7	16	<0.1	1.0	0.1	66	0.36	0.071
119272	Soil	1.8	43.5	11.6	57	0.4	32.1	17.2	215	2.90	31.6	1.1	5.6	4.8	11	0.1	2.0	0.2	60	0.08	0.027
119273	Soil	1.4	35.4	11.9	65	0.1	31.0	11.3	276	3.43	27.7	0.9	3.1	5.0	15	<0.1	2.1	0.2	76	0.16	0.017
119274	Soil	1.5	33.7	10.8	64	<0.1	26.4	13.4	341	3.23	44.8	1.3	7.8	4.3	19	<0.1	3.6	0.2	70	0.15	0.022
119275	Soil	1.1	40.7	12.5	64	<0.1	28.8	14.1	373	3.05	20.5	1.5	4.4	5.5	20	<0.1	1.4	0.2	62	0.23	0.016
119276	Soil	1.2	22.6	10.7	52	0.3	22.8	10.7	246	2.90	16.9	0.6	2.8	4.0	11	<0.1	0.7	0.2	67	0.11	0.027
119277	Soil	3.8	45.0	10.9	95	0.4	32.7	10.8	266	3.20	48.8	1.1	2.3	3.2	13	0.2	2.8	0.2	90	0.10	0.040
119278	Soil	2.3	17.1	17.5	58	0.2	21.5	9.5	251	3.29	30.0	1.0	3.3	6.9	13	<0.1	1.1	0.4	68	0.11	0.045
119279	Soil	1.6	15.1	14.4	91	<0.1	15.0	8.3	336	3.50	24.9	2.5	1.1	21.0	9	<0.1	1.1	0.4	55	0.09	0.055
119280	Soil	1.8	14.5	17.1	75	<0.1	17.8	7.6	287	3.68	23.9	2.0	4.0	17.2	11	<0.1	1.0	0.6	65	0.10	0.035
119281	Soil	1.1	17.6	13.3	73	<0.1	15.7	8.8	405	2.69	15.5	2.9	1.2	19.2	9	<0.1	1.0	0.4	40	0.14	0.042
119282	Soil	1.4	13.0	15.5	60	<0.1	16.6	7.8	432	2.69	12.0	1.0	1.6	8.1	13	0.2	0.6	0.2	57	0.14	0.075
119283	Soil	1.4	12.1	11.8	52	<0.1	13.5	7.5	283	3.00	12.1	0.8	4.5	5.3	11	<0.1	0.5	0.2	64	0.12	0.032
119284	Soil	1.3	12.4	15.9	55	0.1	13.8	5.7	204	2.63	11.3	1.6	0.8	9.9	10	<0.1	0.7	0.2	53	0.11	0.022
119285	Soil	1.2	18.5	14.3	77	<0.1	16.3	8.6	340	3.22	9.6	3.7	1.0	26.2	16	<0.1	0.9	0.4	43	0.26	0.059
119286	Soil	1.2	14.7	16.6	69	<0.1	12.8	6.4	254	3.03	11.1	2.1	9.4	13.5	11	<0.1	0.6	0.2	46	0.16	0.029
119287	Soil	1.6	17.4	12.9	44	0.3	11.5	5.3	219	2.37	19.6	3.5	0.5	13.3	16	<0.1	0.8	0.4	52	0.19	0.025
119288	Soil	0.7	24.7	12.1	103	<0.1	24.5	18.9	683	4.31	6.8	1.3	<0.5	12.0	18	<0.1	0.5	0.2	76	0.38	0.116
119289	Soil	1.0	12.9	14.0	63	<0.1	16.7	7.8	243	3.04	20.7	1.6	1.3	9.8	11	0.1	0.3	0.3	63	0.16	0.052
119290	Soil	2.0	13.0	15.1	107	<0.1	19.0	13.1	451	4.75	45.8	4.3	0.9	22.0	14	<0.1	0.5	0.4	71	0.17	0.079
119291	Soil	1.3	17.0	12.9	60	<0.1	16.5	6.9	206	2.79	26.0	1.6	1.6	9.7	13	<0.1	0.7	0.4	56	0.14	0.026
119292	Soil	1.0	16.3	11.7	53	<0.1	14.4	6.8	224	2.19	12.8	1.8	1.9	9.9	13	<0.1	0.7	0.2	41	0.18	0.036
119293	Soil	1.0	17.1	10.7	51	<0.1	14.1	6.6	205	2.18	17.0	1.9	1.8	10.4	14	<0.1	0.8	0.2	40	0.17	0.036
119294	Soil	1.0	16.3	11.8	49	<0.1	16.2	7.5	217	2.08	17.0	1.7	2.1	6.8	19	0.1	1.0	0.2	42	0.29	0.043
119295	Soil	1.1	13.6	12.8	52	<0.1	14.5	7.8	215	2.17	15.9	1.0	3.0	6.2	19	<0.1	0.9	0.2	45	0.26	0.041
119296	Soil	1.1	20.9	13.9	59	0.1	17.9	8.0	227	2.46	28.3	1.9	3.7	6.7	19	0.1	1.7	0.2	46	0.25	0.049
119297	Soil	1.2	30.8	15.5	44	0.1	19.4	9.7	272	2.32	21.2	1.7	3.0	5.8	20	<0.1	0.9	0.2	53	0.06	0.024
119298	Soil	2.4	49.3	16.7	98	<0.1	51.2	12.5	280	4.63	29.1	1.4	3.3	8.7	12	0.1	1.1	0.3	68	0.06	0.044



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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
119269	Soil	14	34	0.60	205	0.070	1	2.12	0.006	0.15	0.2	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
119270	Soil	28	41	0.59	165	0.087	1	1.68	0.006	0.19	0.2	0.01	3.5	0.2	<0.05	7	<0.5	<0.2
119271	Soil	76	103	1.35	179	0.112	<1	2.52	0.004	0.96	0.1	<0.01	7.5	0.8	<0.05	10	<0.5	<0.2
119272	Soil	13	35	0.47	203	0.043	1	2.34	0.004	0.05	0.1	0.20	4.0	0.2	<0.05	5	0.7	<0.2
119273	Soil	13	52	0.50	274	0.046	1	1.94	0.006	0.06	0.1	0.16	5.1	0.2	<0.05	5	<0.5	<0.2
119274	Soil	14	37	0.36	272	0.031	1	1.54	0.005	0.04	0.1	0.40	5.9	0.3	<0.05	4	0.8	<0.2
119275	Soil	17	38	0.50	503	0.063	2	1.70	0.009	0.05	0.1	0.15	6.4	<0.1	<0.05	5	0.5	<0.2
119276	Soil	11	37	0.38	286	0.052	1	2.05	0.006	0.04	0.1	0.04	3.2	0.1	<0.05	6	<0.5	<0.2
119277	Soil	9	48	0.34	235	0.030	<1	1.85	0.004	0.05	<0.1	0.06	6.1	0.2	<0.05	5	2.0	<0.2
119278	Soil	18	34	0.41	199	0.052	1	1.89	0.005	0.10	0.2	0.03	3.1	0.2	<0.05	7	<0.5	<0.2
119279	Soil	46	24	0.45	170	0.089	<1	1.97	0.005	0.37	0.2	0.01	5.6	0.5	<0.05	9	<0.5	<0.2
119280	Soil	38	28	0.46	181	0.088	1	2.04	0.006	0.22	0.2	0.02	4.7	0.4	<0.05	10	<0.5	<0.2
119281	Soil	40	23	0.36	145	0.078	<1	1.46	0.006	0.23	0.3	0.02	4.4	0.4	<0.05	6	<0.5	<0.2
119282	Soil	14	29	0.37	262	0.059	2	1.82	0.006	0.10	0.2	0.01	3.1	0.2	<0.05	6	<0.5	<0.2
119283	Soil	15	28	0.34	226	0.059	<1	1.80	0.006	0.09	0.2	0.01	2.8	0.2	<0.05	7	<0.5	<0.2
119284	Soil	22	23	0.35	176	0.070	<1	1.61	0.006	0.14	0.2	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
119285	Soil	64	25	0.56	207	0.093	1	2.02	0.005	0.49	0.3	0.06	6.8	0.6	<0.05	9	<0.5	<0.2
119286	Soil	36	21	0.51	148	0.099	<1	1.82	0.005	0.37	0.2	0.02	5.0	0.5	<0.05	8	0.6	<0.2
119287	Soil	75	20	0.28	181	0.067	1	1.43	0.005	0.14	0.2	0.03	3.8	0.3	<0.05	8	0.6	<0.2
119288	Soil	28	81	1.53	238	0.198	<1	2.82	0.006	1.12	0.2	0.01	5.4	0.6	<0.05	11	<0.5	<0.2
119289	Soil	14	41	0.64	129	0.112	<1	2.00	0.006	0.26	0.2	<0.01	3.1	0.3	<0.05	8	<0.5	<0.2
119290	Soil	40	58	1.15	162	0.166	<1	3.27	0.009	0.93	0.2	0.01	4.6	0.8	0.06	12	0.5	<0.2
119291	Soil	19	35	0.52	171	0.091	<1	1.85	0.007	0.15	0.1	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
119292	Soil	30	26	0.39	189	0.081	<1	1.34	0.006	0.16	0.1	0.03	3.4	0.3	<0.05	5	<0.5	<0.2
119293	Soil	30	23	0.36	182	0.069	1	1.31	0.007	0.12	0.2	0.03	3.2	0.2	<0.05	5	<0.5	<0.2
119294	Soil	20	27	0.35	309	0.066	<1	1.33	0.008	0.06	0.2	0.06	2.9	0.2	<0.05	4	0.5	<0.2
119295	Soil	14	28	0.37	284	0.070	2	1.37	0.008	0.08	0.2	0.04	2.8	0.1	<0.05	5	<0.5	<0.2
119296	Soil	20	29	0.36	308	0.069	<1	1.49	0.008	0.09	0.2	0.09	3.6	0.6	<0.05	5	0.6	<0.2
119297	Soil	17	27	0.26	223	0.037	<1	1.20	0.005	0.05	<0.1	0.06	5.0	0.1	<0.05	4	0.7	<0.2
119298	Soil	21	65	0.71	213	0.105	2	2.40	0.004	0.48	<0.1	0.01	3.0	0.5	<0.05	6	0.8	<0.2



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
119299	Soil	2.0	20.0	12.1	54	0.3	20.4	7.0	167	3.67	23.3	0.6	6.3	3.2	8	0.1	1.0	0.3	72	0.06	0.067
119300	Soil	4.1	37.5	16.0	70	0.1	39.0	8.0	167	3.56	73.3	1.3	2.4	3.2	14	0.2	3.2	0.2	81	0.05	0.045
119301	Soil	1.5	13.5	10.9	60	1.3	16.8	6.7	161	2.88	10.6	0.4	3.0	2.9	7	0.1	0.5	0.2	65	0.08	0.053
119302	Soil	1.4	42.6	10.8	107	0.3	42.4	10.4	190	3.55	13.7	1.7	2.6	7.2	8	0.1	1.0	0.2	65	0.06	0.035
119303	Soil	1.6	28.4	11.7	80	0.4	34.8	11.3	202	3.52	23.4	0.9	2.5	5.2	8	0.2	1.1	0.2	56	0.06	0.034
119304	Soil	1.4	28.9	9.2	72	<0.1	27.9	7.6	137	2.81	23.5	1.4	2.5	6.3	8	0.1	1.4	0.2	37	0.06	0.027
119305	Soil	1.1	11.8	10.2	42	<0.1	13.3	6.0	202	2.71	19.5	0.6	6.0	5.0	8	<0.1	0.4	0.2	61	0.08	0.029
119306	Soil	1.0	29.3	10.3	56	<0.1	23.0	9.5	230	2.60	13.3	1.4	4.6	6.8	10	<0.1	0.6	0.2	46	0.09	0.018
119307	Soil	1.5	47.2	11.1	63	<0.1	29.0	14.4	443	2.99	21.2	3.0	7.4	6.8	17	<0.1	0.9	0.2	55	0.14	0.021
119308	Soil	1.2	26.5	10.9	49	<0.1	20.3	8.5	222	2.49	18.7	1.3	2.9	5.3	12	<0.1	0.8	0.2	48	0.11	0.019
119309	Soil	1.5	37.5	13.1	71	0.1	33.4	10.1	274	3.01	30.8	3.2	2.4	6.8	20	<0.1	1.7	0.2	51	0.20	0.030
119310	Soil	1.3	35.3	13.3	53	0.1	25.4	10.6	333	2.78	21.2	3.6	4.7	5.8	21	<0.1	1.3	0.2	46	0.25	0.026
119311	Soil	1.0	20.8	11.7	53	<0.1	17.4	7.1	196	2.32	15.9	2.6	1.7	5.1	16	<0.1	0.8	0.2	38	0.18	0.021
119312	Soil	1.2	24.1	12.8	54	0.1	26.9	9.2	210	2.48	12.5	1.4	3.7	5.6	11	<0.1	0.7	0.1	43	0.15	0.018
119313	Soil	0.9	47.3	12.6	69	0.3	47.4	11.5	784	2.69	12.3	2.0	3.0	2.8	27	0.2	0.8	0.2	50	0.77	0.058
119314	Soil	1.0	27.5	15.9	72	<0.1	28.5	11.1	300	3.05	61.6	1.5	0.6	13.1	11	<0.1	1.4	0.2	27	0.15	0.026
119315	Soil	1.0	37.0	11.9	56	<0.1	27.6	10.6	310	2.85	12.2	2.1	3.1	8.0	17	<0.1	0.7	0.2	63	0.24	0.033
119316	Soil	0.5	55.5	7.1	42	<0.1	256.4	22.1	349	2.53	4.6	1.1	1.3	2.9	16	<0.1	0.2	0.1	59	0.36	0.024
119317	Soil	0.2	72.7	5.7	26	<0.1	59.4	14.8	152	1.97	3.0	0.2	<0.5	1.0	7	<0.1	0.2	<0.1	40	0.47	0.047
119318	Soil	0.5	32.5	17.1	84	<0.1	24.4	9.4	319	4.12	5.7	1.1	1.2	5.8	21	0.4	0.4	0.1	66	0.47	0.078
119319	Soil	0.4	36.8	5.8	51	<0.1	38.5	21.1	409	3.52	1.7	0.5	<0.5	1.8	34	<0.1	0.1	<0.1	94	0.98	0.052
119320	Soil	0.4	45.6	10.8	104	<0.1	25.0	16.3	685	5.59	2.9	0.8	0.5	5.0	35	0.2	0.2	<0.1	116	0.72	0.091
119321	Soil	0.8	307.3	7.2	60	<0.1	24.3	16.0	432	3.91	4.7	0.6	2.0	1.8	33	<0.1	0.4	<0.1	101	0.57	0.069
119322	Soil	0.3	126.5	4.0	58	<0.1	18.8	17.5	265	3.38	3.8	0.4	1.0	1.4	20	<0.1	0.2	<0.1	111	0.46	0.054
119323	Soil	0.2	176.6	2.2	80	<0.1	9.2	15.1	373	4.05	2.1	0.4	2.2	0.8	18	<0.1	0.2	<0.1	123	0.56	0.082
119324	Soil	0.2	136.6	2.2	85	<0.1	18.9	21.2	360	4.51	1.3	0.6	3.4	0.7	23	<0.1	0.2	<0.1	143	0.61	0.076
119325	Soil	0.7	95.2	5.7	63	<0.1	17.9	15.2	362	3.74	6.1	2.3	1.5	2.1	25	<0.1	0.4	<0.1	96	0.49	0.065
119326	Soil	0.4	117.3	3.8	111	<0.1	31.0	26.7	649	4.81	2.5	0.6	1.3	1.2	36	<0.1	0.4	<0.1	135	0.76	0.089
119327	Soil	0.7	36.7	7.6	47	<0.1	17.0	7.3	207	2.40	6.6	1.3	2.7	3.7	19	<0.1	0.4	0.1	56	0.29	0.042
119328	Soil	0.7	55.0	11.3	80	<0.1	134.0	15.3	379	4.18	15.8	1.4	1.7	6.3	18	<0.1	0.4	0.1	79	0.36	0.041



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
119299	Soil	9	33	0.34	169	0.033	<1	1.76	0.005	0.07	0.2	0.02	2.6	0.1	<0.05	7	0.7
119300	Soil	6	56	0.16	117	0.013	<1	0.92	0.002	0.04	0.1	0.05	5.1	0.2	<0.05	3	1.5
119301	Soil	10	27	0.33	167	0.038	<1	1.63	0.005	0.07	0.1	0.02	2.1	0.1	<0.05	7	<0.5
119302	Soil	19	39	0.66	202	0.079	<1	1.94	0.006	0.26	0.1	0.02	4.0	0.3	<0.05	5	0.7
119303	Soil	10	33	0.43	224	0.040	<1	2.04	0.005	0.11	0.1	0.03	3.0	0.3	<0.05	5	0.7
119304	Soil	18	22	0.32	145	0.032	1	1.06	0.003	0.07	0.1	0.01	3.0	0.2	<0.05	3	0.7
119305	Soil	16	32	0.34	147	0.054	<1	1.52	0.005	0.10	0.1	0.01	2.2	0.1	<0.05	6	<0.5
119306	Soil	21	30	0.44	158	0.050	<1	1.53	0.005	0.06	0.1	0.03	3.9	0.1	<0.05	4	<0.5
119307	Soil	28	37	0.48	323	0.058	<1	1.77	0.008	0.06	0.1	0.09	7.8	0.2	<0.05	5	0.6
119308	Soil	16	29	0.39	171	0.059	<1	1.47	0.006	0.06	0.1	0.04	3.3	0.2	<0.05	5	<0.5
119309	Soil	22	32	0.45	292	0.060	<1	1.40	0.006	0.13	0.1	0.06	4.8	0.3	<0.05	5	<0.5
119310	Soil	19	30	0.42	284	0.055	<1	1.46	0.008	0.06	0.2	0.06	4.5	0.2	<0.05	4	0.6
119311	Soil	19	26	0.38	225	0.033	<1	1.26	0.006	0.07	0.1	0.03	2.5	<0.1	<0.05	4	<0.5
119312	Soil	20	30	0.33	278	0.024	<1	1.36	0.005	0.05	0.1	0.01	3.3	<0.1	<0.05	4	0.6
119313	Soil	20	32	0.47	660	0.033	<1	1.59	0.012	0.05	0.2	0.07	4.5	<0.1	<0.05	5	0.6
119314	Soil	45	20	0.25	264	0.009	<1	0.94	0.003	0.08	<0.1	0.03	3.2	0.1	<0.05	3	<0.5
119315	Soil	29	36	0.46	384	0.040	<1	1.49	0.008	0.06	0.1	0.03	6.6	<0.1	<0.05	5	0.6
119316	Soil	12	423	2.33	218	0.060	<1	1.86	0.005	0.03	<0.1	0.02	6.9	<0.1	<0.05	5	0.5
119317	Soil	4	66	0.65	87	0.067	<1	1.12	0.023	0.02	<0.1	<0.01	5.1	<0.1	<0.05	4	<0.5
119318	Soil	14	28	0.75	382	0.105	<1	1.77	0.012	0.19	<0.1	0.02	5.7	<0.1	<0.05	8	<0.5
119319	Soil	5	223	1.73	315	0.228	<1	2.57	0.033	0.07	<0.1	0.03	10.0	<0.1	<0.05	8	<0.5
119320	Soil	24	62	1.57	637	0.054	<1	2.86	0.011	0.15	<0.1	0.02	8.4	<0.1	<0.05	12	<0.5
119321	Soil	8	25	0.94	326	0.092	<1	2.00	0.018	0.06	<0.1	0.02	6.2	<0.1	<0.05	7	0.5
119322	Soil	6	21	0.88	273	0.105	<1	2.06	0.022	0.06	<0.1	<0.01	6.3	<0.1	<0.05	6	<0.5
119323	Soil	4	14	0.90	304	0.121	<1	1.91	0.026	0.22	<0.1	<0.01	7.5	<0.1	<0.05	8	<0.5
119324	Soil	3	14	1.27	370	0.108	<1	2.16	0.018	0.22	<0.1	0.02	7.2	<0.1	<0.05	7	0.5
119325	Soil	8	23	0.85	296	0.064	<1	1.73	0.017	0.07	<0.1	0.02	6.4	<0.1	<0.05	6	0.6
119326	Soil	6	16	1.29	334	0.019	<1	2.31	0.010	0.04	<0.1	0.02	7.4	<0.1	<0.05	8	<0.5
119327	Soil	14	26	0.48	283	0.047	<1	1.32	0.009	0.05	0.1	0.03	4.3	<0.1	<0.05	4	<0.5
119328	Soil	24	132	0.93	256	0.063	<1	1.94	0.006	0.11	<0.1	0.01	9.7	0.1	<0.05	6	0.5



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		Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
119329	Soil		0.9	44.0	8.9	59	0.1	114.6	14.9	401	3.03	8.9	0.7	1.6	3.7	18	<0.1	0.5	0.1	68	0.33	0.034
119330	Soil		0.3	78.2	7.4	91	<0.1	223.8	19.7	595	5.75	4.3	0.7	1.3	3.2	21	<0.1	0.3	<0.1	141	0.42	0.030
119331	Soil		0.7	31.4	9.5	46	<0.1	30.9	8.4	225	2.44	7.1	0.8	2.0	4.1	16	<0.1	0.5	0.1	55	0.24	0.020
119332	Soil		1.0	33.4	11.8	45	<0.1	29.7	9.5	169	2.53	9.7	0.6	1.4	4.7	15	<0.1	0.5	0.1	57	0.18	0.015
119333	Soil		1.3	31.1	15.6	59	0.1	28.4	13.7	376	2.92	9.6	0.6	1.4	4.5	14	<0.1	0.6	0.2	75	0.17	0.020
119334	Soil		1.0	36.6	18.0	53	0.1	33.2	15.2	816	3.21	14.9	1.0	2.1	8.4	29	<0.1	1.0	0.3	74	0.39	0.028
119335	Soil		0.9	15.7	22.6	62	0.1	18.5	8.3	336	2.16	7.6	0.7	0.6	3.0	26	0.4	0.4	0.2	43	0.33	0.062
119336	Soil		1.0	9.8	20.1	60	0.2	17.7	6.2	164	1.92	6.2	0.6	1.1	2.3	25	0.3	0.4	0.2	47	0.33	0.121
119337	Soil		0.4	9.5	12.5	47	0.1	12.0	4.6	214	1.00	1.8	0.5	14.8	1.0	23	0.2	0.2	0.1	24	0.35	0.098
119338	Soil		0.5	11.3	12.5	68	0.1	17.6	8.8	308	1.81	4.0	0.5	4.3	3.2	17	0.1	0.3	0.2	44	0.20	0.057
119339	Soil		1.0	16.6	15.1	54	<0.1	18.3	7.7	263	2.24	10.7	0.4	11.4	3.0	16	<0.1	0.7	0.2	53	0.17	0.038
119340	Soil		1.0	18.4	13.0	58	<0.1	21.2	9.9	221	2.41	10.8	0.5	745.7	4.4	11	0.1	0.6	0.2	60	0.11	0.028
120107	Soil		1.0	12.9	14.4	51	0.1	19.3	9.3	281	3.02	9.2	0.6	3.4	4.4	10	<0.1	0.6	0.2	67	0.12	0.021
120108	Soil		1.0	17.8	9.4	47	<0.1	23.8	11.9	328	2.79	6.8	1.0	2.2	7.1	12	<0.1	0.7	0.1	69	0.15	0.027
120109	Soil		1.0	46.3	9.6	76	0.2	23.2	17.9	467	3.51	8.1	0.5	2.2	2.9	9	0.2	1.4	0.1	80	0.13	0.029
120110	Soil		1.2	25.1	13.3	58	<0.1	19.4	9.2	278	3.11	10.6	0.3	1.2	2.2	9	0.2	0.7	0.2	73	0.12	0.032
120111	Soil		1.0	33.2	11.0	59	<0.1	27.1	12.3	246	2.94	10.4	0.4	1.5	2.8	12	0.1	0.8	0.2	75	0.14	0.024
120112	Soil		0.5	137.0	5.6	63	<0.1	44.6	20.3	458	3.18	5.1	0.3	1.3	2.9	11	0.1	0.6	<0.1	101	0.21	0.028
120113	Soil		0.9	21.0	12.4	59	<0.1	31.6	10.7	266	2.72	10.4	0.9	4.4	8.7	10	<0.1	0.8	0.2	56	0.10	0.019
120114	Soil		0.9	21.8	9.2	57	<0.1	27.3	15.2	360	3.11	9.0	0.9	1.7	5.9	15	0.1	0.7	0.2	61	0.17	0.029
120115	Soil		0.6	24.8	7.7	52	<0.1	29.0	17.7	397	3.31	5.9	0.9	2.7	4.9	21	<0.1	0.9	0.1	74	0.31	0.046
120116	Soil		1.2	302.8	18.6	321	0.4	21.7	10.4	341	3.11	17.6	1.8	14.2	4.8	14	0.6	2.2	0.2	61	0.17	0.040
120117	Soil		1.5	42.3	11.5	75	<0.1	19.5	9.7	363	3.01	9.6	1.3	2.4	5.7	11	<0.1	0.7	0.2	64	0.09	0.022
120118	Soil		1.3	39.6	16.1	94	<0.1	28.5	12.9	532	2.95	10.3	1.6	3.6	7.3	19	0.1	1.0	0.2	60	0.20	0.024
120119	Soil		1.3	20.1	12.3	57	<0.1	19.1	9.9	326	2.89	10.1	1.3	4.8	7.4	12	0.1	0.8	0.2	64	0.12	0.024
120120	Soil		1.5	8.5	11.9	53	<0.1	12.9	6.3	302	2.89	8.7	1.2	4.6	8.0	9	0.1	0.5	0.2	47	0.10	0.037
120121	Soil		1.0	17.2	10.8	54	<0.1	16.9	9.3	313	2.83	8.2	1.2	1.5	7.9	10	0.1	0.6	0.2	53	0.12	0.028
120122	Soil		1.0	24.9	11.7	62	<0.1	22.6	14.0	503	3.09	10.6	2.5	4.8	10.3	15	<0.1	0.6	0.2	56	0.16	0.043
120123	Soil		1.6	12.8	9.6	57	<0.1	15.4	11.2	413	3.53	9.8	2.3	1.8	7.1	12	<0.1	0.6	0.2	63	0.19	0.064
120124	Soil		1.0	17.7	7.7	62	<0.1	23.4	15.6	502	3.45	8.1	1.4	2.6	11.1	15	<0.1	0.7	0.1	67	0.23	0.053



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
119329	Soil	14	97	0.96	305	0.058	<1	1.66	0.012	0.04	<0.1	0.04	5.5	<0.1	<0.05	5	<0.5	<0.2
119330	Soil	18	224	2.53	406	0.026	1	3.22	0.006	0.05	<0.1	0.03	16.5	<0.1	<0.05	11	<0.5	<0.2
119331	Soil	15	43	0.57	322	0.067	<1	1.59	0.011	0.05	0.1	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
119332	Soil	15	38	0.46	373	0.050	<1	1.87	0.009	0.05	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
119333	Soil	16	40	0.45	463	0.061	2	2.32	0.008	0.05	<0.1	0.05	5.4	<0.1	<0.05	7	<0.5	<0.2
119334	Soil	11	42	0.40	715	0.028	<1	2.64	0.006	0.06	<0.1	0.03	5.4	0.1	<0.05	8	<0.5	<0.2
119335	Soil	11	28	0.46	392	0.027	<1	1.65	0.006	0.05	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
119336	Soil	7	31	0.47	400	0.030	<1	1.63	0.007	0.04	0.2	0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
119337	Soil	8	17	0.30	339	0.016	<1	0.92	0.005	0.05	0.2	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
119338	Soil	9	25	0.39	614	0.024	<1	1.63	0.006	0.03	0.2	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
119339	Soil	9	26	0.41	428	0.028	<1	1.59	0.006	0.04	0.2	<0.01	2.0	0.1	<0.05	5	<0.5	<0.2
119340	Soil	10	32	0.42	474	0.031	<1	1.82	0.006	0.04	0.2	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
120107	Soil	10	36	0.47	236	0.064	<1	1.93	0.006	0.05	0.2	0.03	2.2	0.1	<0.05	7	<0.5	<0.2
120108	Soil	28	50	0.84	220	0.136	<1	1.75	0.007	0.16	0.2	0.06	2.6	0.2	<0.05	7	0.6	<0.2
120109	Soil	8	48	1.17	246	0.172	<1	2.45	0.008	0.45	0.2	0.07	2.2	0.3	<0.05	6	<0.5	<0.2
120110	Soil	9	31	0.45	150	0.042	<1	1.69	0.009	0.04	2.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
120111	Soil	8	48	0.67	197	0.065	<1	2.15	0.008	0.05	0.2	0.02	2.4	0.1	<0.05	6	<0.5	<0.2
120112	Soil	8	76	1.47	265	0.181	<1	2.67	0.010	0.38	0.1	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
120113	Soil	22	48	0.68	212	0.093	<1	1.89	0.007	0.13	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
120114	Soil	16	56	0.82	317	0.091	<1	2.09	0.008	0.16	0.2	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
120115	Soil	19	88	1.30	486	0.151	<1	2.26	0.010	0.35	0.1	0.01	4.0	0.2	<0.05	7	0.6	<0.2
120116	Soil	16	39	0.81	305	0.101	<1	1.97	0.007	0.19	0.1	0.31	3.6	0.2	<0.05	6	0.9	<0.2
120117	Soil	15	33	0.62	167	0.081	<1	1.92	0.006	0.08	0.2	0.05	3.1	0.2	<0.05	6	<0.5	<0.2
120118	Soil	27	48	0.74	294	0.084	<1	1.83	0.010	0.10	0.2	0.09	4.9	0.1	<0.05	6	<0.5	<0.2
120119	Soil	31	33	0.55	200	0.064	<1	1.85	0.007	0.06	0.2	0.05	3.5	0.1	<0.05	6	0.8	<0.2
120120	Soil	19	26	0.59	125	0.080	<1	1.64	0.006	0.17	0.2	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
120121	Soil	20	33	0.62	182	0.089	<1	1.74	0.006	0.16	0.2	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
120122	Soil	43	46	0.73	288	0.088	1	2.17	0.008	0.13	0.1	0.05	4.7	0.2	<0.05	6	0.6	<0.2
120123	Soil	33	28	0.73	180	0.116	<1	1.93	0.006	0.29	0.2	0.02	2.7	0.3	<0.05	7	0.7	<0.2
120124	Soil	33	41	0.94	323	0.131	<1	2.19	0.006	0.34	0.2	0.04	3.9	0.3	<0.05	7	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
120125	Soil	1.2	11.3	11.7	37	<0.1	14.0	8.2	231	2.97	9.0	0.9	3.4	5.5	10	<0.1	0.5	0.2	73	0.11	0.029
120126	Soil	1.3	17.7	8.6	34	<0.1	18.8	12.3	279	2.58	4.3	0.5	0.8	2.8	10	<0.1	0.3	<0.1	64	0.20	0.029
120127	Soil	0.7	6.9	11.2	43	<0.1	14.3	9.0	397	3.61	2.4	0.9	2.3	11.0	6	<0.1	0.8	0.1	47	0.12	0.047
120128	Soil	0.9	18.5	13.5	62	<0.1	27.4	12.0	337	3.27	11.3	0.8	1.7	11.0	10	0.1	0.9	0.2	63	0.10	0.019
120129	Soil	1.2	10.7	14.1	56	<0.1	14.9	9.6	419	3.39	6.1	1.0	1.4	8.0	10	0.1	0.5	0.2	62	0.12	0.030
120130	Soil	0.9	8.3	12.0	37	<0.1	9.3	3.6	155	1.99	6.6	0.6	2.2	3.2	9	0.1	0.4	0.2	51	0.09	0.030
120131	Soil	1.5	11.9	12.7	68	<0.1	18.0	11.2	516	3.11	7.8	1.3	1.7	12.9	12	0.1	0.8	0.2	44	0.11	0.022
120132	Soil	1.0	8.0	8.5	45	<0.1	12.3	6.0	263	2.41	5.8	1.1	2.1	8.0	12	<0.1	0.4	0.2	41	0.14	0.035
120133	Soil	0.9	7.9	10.8	34	<0.1	6.8	2.9	187	1.71	4.1	1.1	0.8	4.2	9	<0.1	0.3	0.2	39	0.10	0.041
120134	Soil	0.8	18.8	9.9	59	<0.1	19.1	7.9	237	2.51	6.6	1.4	3.5	7.8	15	<0.1	0.5	0.1	49	0.20	0.045
120135	Soil	0.7	11.7	8.4	60	<0.1	16.1	7.6	325	2.65	5.4	1.0	<0.5	7.1	11	<0.1	0.5	<0.1	44	0.14	0.031
120136	Soil	0.4	15.2	10.2	70	<0.1	15.6	8.4	357	2.73	4.1	1.2	1.1	11.8	12	<0.1	0.5	<0.1	54	0.16	0.029
120137	Soil	1.0	8.1	10.1	64	<0.1	13.7	7.9	353	2.78	5.5	0.7	<0.5	4.1	12	0.2	0.4	<0.1	46	0.14	0.030
120138	Soil	0.5	17.8	11.1	49	<0.1	22.3	9.7	198	2.84	9.3	0.4	<0.5	5.4	7	<0.1	0.4	<0.1	48	0.06	0.019
120139	Soil	1.0	26.6	15.9	67	<0.1	31.9	13.2	302	4.07	9.8	0.8	0.7	8.3	7	<0.1	0.5	0.3	69	0.05	0.025
120140	Soil	1.2	22.8	14.1	70	<0.1	38.1	15.5	354	4.15	8.5	0.8	<0.5	9.4	6	<0.1	0.4	0.4	71	0.05	0.030
120141	Soil	1.0	19.5	14.7	44	<0.1	18.4	9.2	201	3.08	8.8	0.8	0.7	7.7	9	<0.1	0.4	0.2	67	0.07	0.020
120142	Soil	1.2	15.3	13.1	41	<0.1	16.8	7.0	171	3.40	7.8	0.5	<0.5	5.1	6	<0.1	0.4	0.2	68	0.06	0.025
120143	Soil	0.7	28.6	14.3	73	<0.1	31.3	13.5	345	4.16	9.5	1.0	1.1	11.3	9	0.1	0.5	0.1	59	0.10	0.035
120144	Soil	0.4	24.8	15.5	62	<0.1	24.2	11.8	276	3.05	5.8	1.1	<0.5	11.4	8	<0.1	0.3	<0.1	43	0.11	0.028
120146	Soil	0.9	16.7	13.1	38	<0.1	14.8	7.9	282	2.80	6.5	0.7	<0.5	5.3	10	<0.1	0.4	0.1	59	0.09	0.023
120147	Soil	1.0	28.1	15.5	66	<0.1	29.3	12.0	298	3.85	8.9	1.0	3.3	9.4	7	<0.1	0.5	0.3	51	0.08	0.024
120148	Soil	0.6	22.6	12.2	45	<0.1	23.3	10.4	174	2.72	8.2	0.9	2.9	9.2	9	<0.1	0.5	0.2	50	0.08	0.017
120149	Soil	0.9	32.4	13.9	65	<0.1	31.5	13.3	279	3.36	6.5	1.2	3.3	11.4	10	<0.1	0.4	0.2	50	0.10	0.025
120150	Soil	0.5	54.2	16.8	76	<0.1	36.7	16.0	342	4.16	5.6	1.3	1.7	19.5	6	<0.1	0.3	0.3	46	0.10	0.026
120151	Soil	0.5	22.1	13.0	56	<0.1	23.2	9.5	206	3.14	7.2	1.6	0.7	12.5	8	<0.1	0.4	<0.1	52	0.08	0.017
120152	Soil	1.0	23.1	14.0	48	0.3	19.3	8.0	193	2.58	11.5	0.8	4.0	4.7	10	<0.1	0.5	<0.1	62	0.08	0.015
120153	Soil	0.7	37.0	15.1	100	0.3	65.6	9.3	1772	3.02	35.5	1.4	3.1	12.2	9	0.1	0.9	<0.1	80	0.20	0.051
120154	Soil	0.8	21.7	12.4	47	<0.1	18.6	4.5	169	1.79	3.4	0.3	<0.5	2.9	8	<0.1	0.2	<0.1	60	0.14	0.010
120155	Soil	1.0	27.2	10.3	55	0.4	26.8	7.1	193	2.59	8.3	0.5	<0.5	3.5	8	<0.1	0.4	<0.1	57	0.11	0.012



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
120125	Soil	13	35	0.55	145	0.097	<1	1.70	0.006	0.10	0.1	0.03	2.2	0.1	<0.05	7	<0.5
120126	Soil	6	68	0.91	176	0.156	<1	1.72	0.009	0.18	<0.1	0.01	2.7	0.1	<0.05	6	<0.5
120127	Soil	6	50	1.24	193	0.161	<1	2.50	0.007	0.63	<0.1	0.01	4.6	0.3	<0.05	10	<0.5
120128	Soil	17	59	0.86	134	0.086	1	2.32	0.006	0.13	0.1	0.03	3.7	0.3	<0.05	7	<0.5
120129	Soil	10	30	0.89	169	0.170	<1	2.16	0.007	0.27	0.2	0.02	3.2	0.3	<0.05	9	<0.5
120130	Soil	13	19	0.42	126	0.090	<1	1.41	0.005	0.11	<0.1	0.02	1.9	0.1	<0.05	8	0.5
120131	Soil	26	29	0.93	238	0.105	1	2.19	0.006	0.35	0.1	0.03	2.8	0.3	<0.05	7	<0.5
120132	Soil	20	22	0.62	174	0.081	1	1.61	0.006	0.13	0.2	0.02	2.2	0.1	<0.05	6	<0.5
120133	Soil	12	18	0.52	163	0.103	<1	1.25	0.007	0.15	<0.1	0.03	2.2	0.1	<0.05	7	<0.5
120134	Soil	30	36	0.75	247	0.095	1	1.68	0.008	0.14	0.2	0.03	3.0	0.2	<0.05	5	0.5
120135	Soil	14	23	0.70	139	0.102	1	1.45	0.007	0.16	0.2	0.01	2.2	<0.1	<0.05	6	<0.5
120136	Soil	60	47	1.05	588	0.125	1	1.74	0.008	0.40	0.1	0.02	4.7	<0.1	<0.05	7	0.5
120137	Soil	8	21	0.73	234	0.106	<1	1.68	0.007	0.23	<0.1	0.03	2.0	<0.1	<0.05	7	<0.5
120138	Soil	10	27	0.49	109	0.077	1	1.55	0.005	0.09	0.1	0.01	1.9	<0.1	<0.05	5	<0.5
120139	Soil	10	37	0.61	110	0.128	1	2.16	0.006	0.27	0.1	0.01	2.6	0.2	<0.05	7	<0.5
120140	Soil	9	36	0.71	106	0.172	2	2.14	0.006	0.36	<0.1	0.01	2.6	0.2	<0.05	8	<0.5
120141	Soil	14	30	0.40	120	0.096	<1	1.73	0.007	0.09	0.1	0.03	2.1	<0.1	<0.05	7	<0.5
120142	Soil	9	26	0.38	81	0.108	<1	1.51	0.005	0.10	<0.1	0.01	1.7	<0.1	<0.05	7	<0.5
120143	Soil	14	36	0.70	164	0.145	1	2.13	0.007	0.30	0.1	0.02	2.7	0.2	<0.05	7	<0.5
120144	Soil	18	29	0.62	112	0.119	1	1.74	0.006	0.29	<0.1	0.01	2.1	0.2	<0.05	6	<0.5
120146	Soil	18	26	0.37	154	0.108	1	1.43	0.009	0.10	<0.1	0.02	1.7	<0.1	<0.05	7	<0.5
120147	Soil	12	39	0.69	192	0.163	<1	2.67	0.006	0.45	0.1	<0.01	2.5	0.4	<0.05	6	<0.5
120148	Soil	12	30	0.49	155	0.066	<1	1.77	0.007	0.08	0.1	0.02	2.5	0.1	<0.05	5	<0.5
120149	Soil	31	38	0.66	184	0.117	<1	2.13	0.006	0.32	0.1	0.01	3.0	0.3	<0.05	6	<0.5
120150	Soil	63	42	0.93	162	0.217	<1	2.82	0.006	0.82	<0.1	<0.01	3.3	0.6	<0.05	7	<0.5
120151	Soil	27	33	0.57	128	0.093	1	1.92	0.007	0.17	<0.1	0.01	3.1	0.1	<0.05	6	<0.5
120152	Soil	14	31	0.40	229	0.056	1	1.86	0.009	0.03	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5
120153	Soil	67	56	1.24	370	0.051	2	2.27	0.004	0.05	0.2	0.25	7.6	0.3	<0.05	6	1.2
120154	Soil	8	21	0.61	129	0.090	2	1.02	0.005	0.05	<0.1	<0.01	1.8	<0.1	<0.05	6	<0.5
120155	Soil	9	29	0.71	210	0.073	1	1.72	0.006	0.09	<0.1	0.01	2.2	<0.1	<0.05	5	0.5



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
120156	Soil	0.8	54.5	17.1	80	<0.1	39.0	13.4	313	3.18	9.0	2.6	1.4	11.4	9	<0.1	0.4	<0.1	50	0.09	0.016
120157	Soil	2.4	29.1	18.2	74	<0.1	31.1	8.2	211	3.37	24.6	0.7	<0.5	5.6	8	<0.1	0.6	<0.1	62	0.14	0.023
120158	Soil	1.2	12.8	116.9	102	0.2	15.5	6.4	160	2.84	14.7	0.5	<0.5	4.2	9	0.2	0.5	<0.1	68	0.11	0.028
120159	Soil	1.1	34.8	14.7	73	0.6	32.9	11.2	294	3.12	12.6	0.6	5.9	5.6	11	0.2	0.6	<0.1	58	0.12	0.025
120160	Soil	1.8	29.1	14.1	88	0.2	37.6	8.6	161	2.89	25.1	0.8	<0.5	5.9	11	0.2	0.5	<0.1	45	0.10	0.022
120161	Soil	4.0	33.4	26.9	71	0.5	29.2	9.1	275	2.54	35.0	1.9	1.7	7.0	22	<0.1	0.7	0.3	43	0.16	0.023
120162	Soil	1.2	32.0	20.8	93	0.3	31.8	8.7	434	1.82	8.4	0.6	<0.5	4.1	11	<0.1	0.4	<0.1	42	0.17	0.036
120163	Soil	1.3	48.7	17.2	105	0.4	46.0	11.2	509	1.89	8.7	0.9	<0.5	4.7	13	<0.1	0.7	<0.1	48	0.30	0.046
120164	Soil	1.1	81.8	16.1	97	0.5	50.4	15.4	696	2.85	9.0	3.3	<0.5	6.0	17	0.2	0.5	<0.1	54	0.36	0.042
120165	Soil	1.1	73.6	19.8	94	0.7	45.9	13.8	683	2.74	8.2	2.8	3.9	4.7	18	0.3	0.4	<0.1	50	0.39	0.048
120166	Soil	0.5	47.5	14.3	80	0.5	38.2	9.3	1127	2.43	9.7	1.4	0.8	6.3	11	0.2	0.4	<0.1	59	0.40	0.043
120167	Soil	1.0	15.3	17.0	82	<0.1	22.6	7.6	228	2.71	25.2	0.7	<0.5	5.1	10	<0.1	0.5	<0.1	49	0.18	0.036
120168	Soil	1.0	20.3	13.3	54	0.2	18.8	8.1	209	2.78	21.2	0.9	2.9	5.1	9	<0.1	0.6	<0.1	53	0.10	0.024
120169	Soil	0.6	24.1	19.6	114	<0.1	39.7	14.3	273	3.77	18.5	1.4	<0.5	6.2	7	<0.1	0.4	0.1	62	0.15	0.046
120170	Soil	0.4	37.3	16.5	120	0.1	43.0	14.4	358	3.81	8.5	1.1	2.6	8.1	16	<0.1	<0.1	<0.1	80	0.47	0.062
120171	Soil	1.5	22.5	10.8	97	<0.1	22.1	18.6	645	4.87	5.8	0.9	1.6	6.8	23	<0.1	0.3	<0.1	69	0.59	0.144
120172	Soil	1.3	78.4	8.0	73	<0.1	24.7	22.3	542	4.25	5.8	0.5	1.3	5.9	23	<0.1	0.3	<0.1	96	0.58	0.117
120173	Soil	2.4	19.7	15.5	60	<0.1	23.3	7.3	140	3.11	11.2	0.6	3.7	3.6	7	0.2	0.5	0.2	71	0.07	0.043
120174	Soil	2.4	23.5	14.6	67	<0.1	33.2	10.9	308	4.09	17.3	0.6	1.7	4.0	14	0.1	0.6	0.2	72	0.16	0.061
120175	Soil	2.0	34.2	21.1	87	0.2	33.6	11.6	725	3.14	50.3	1.9	4.2	6.3	14	0.1	1.0	0.3	65	0.08	0.082



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
120156	Soil	38	38	0.71	212	0.111	1	1.87	0.006	0.27	<0.1	0.04	4.0	0.2	<0.05	5	0.6	<0.2
120157	Soil	11	34	0.31	127	0.032	<1	1.17	0.004	0.06	<0.1	0.01	2.8	0.1	<0.05	5	0.8	<0.2
120158	Soil	12	27	0.30	130	0.034	<1	1.77	0.006	0.03	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
120159	Soil	13	35	0.47	211	0.048	2	1.94	0.008	0.06	<0.1	0.13	2.8	<0.1	<0.05	5	<0.5	<0.2
120160	Soil	12	32	0.35	177	0.039	2	1.47	0.007	0.05	<0.1	0.05	2.1	<0.1	<0.05	4	0.7	<0.2
120161	Soil	20	29	0.35	289	0.032	2	1.34	0.008	0.05	<0.1	0.33	3.4	<0.1	<0.05	4	1.9	<0.2
120162	Soil	11	24	0.44	191	0.040	2	1.03	0.004	0.05	<0.1	0.03	2.3	0.2	<0.05	4	0.5	<0.2
120163	Soil	15	24	0.61	290	0.036	<1	1.00	0.007	0.04	0.1	0.04	4.5	0.3	<0.05	3	<0.5	<0.2
120164	Soil	29	30	0.49	685	0.048	1	1.39	0.010	0.06	<0.1	0.10	6.3	0.1	<0.05	5	1.2	<0.2
120165	Soil	26	28	0.45	665	0.045	1	1.33	0.011	0.06	0.1	0.08	5.2	0.1	<0.05	4	1.1	<0.2
120166	Soil	28	28	0.92	494	0.062	1	1.63	0.006	0.07	0.1	0.04	4.9	0.1	<0.05	5	0.6	<0.2
120167	Soil	14	25	0.37	156	0.050	1	1.08	0.004	0.13	<0.1	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
120168	Soil	13	29	0.35	231	0.036	1	1.53	0.005	0.06	<0.1	0.06	2.4	<0.1	<0.05	5	<0.5	<0.2
120169	Soil	8	44	0.73	197	0.043	1	1.88	0.002	0.22	<0.1	<0.01	3.7	0.2	<0.05	6	<0.5	<0.2
120170	Soil	25	54	1.31	625	0.137	<1	2.75	0.007	0.56	<0.1	0.02	3.8	0.6	<0.05	7	<0.5	<0.2
120171	Soil	28	69	1.77	542	0.150	<1	3.21	0.008	0.95	0.1	<0.01	4.0	0.5	<0.05	10	<0.5	<0.2
120172	Soil	20	229	2.68	594	0.183	<1	3.25	0.012	1.11	0.2	<0.01	4.4	0.7	<0.05	8	<0.5	<0.2
120173	Soil	11	20	0.15	90	0.035	<1	1.05	0.004	0.06	0.1	<0.01	2.1	0.1	<0.05	6	<0.5	<0.2
120174	Soil	9	33	0.32	181	0.062	1	2.32	0.007	0.11	0.2	0.01	2.4	0.2	<0.05	7	<0.5	<0.2
120175	Soil	20	43	0.30	327	0.035	1	1.50	0.005	0.10	0.1	0.09	4.4	0.4	<0.05	6	0.8	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000287.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																							
118234	Soil			1.1	60.9	10.4	104	<0.1	16.6	10.2	424	3.19	7.5	1.5	2.0	4.2	13	0.1	0.4	0.3	79	0.17	0.022
REP 118234	QC			1.0	59.9	10.2	101	<0.1	16.9	10.0	411	3.14	7.1	1.5	1.6	4.3	13	<0.1	0.5	0.2	78	0.16	0.023
118252	Soil			0.8	12.2	6.7	75	<0.1	12.4	9.9	485	3.27	4.9	1.1	<0.5	9.4	12	<0.1	0.3	0.5	52	0.19	0.045
REP 118252	QC			1.1	11.8	6.6	73	<0.1	12.4	10.1	472	3.20	4.8	1.0	1.0	9.5	12	<0.1	0.3	0.5	51	0.20	0.044
118267	Soil			0.8	16.0	13.4	40	<0.1	12.4	6.1	186	1.93	8.8	1.5	9.5	10.5	15	<0.1	0.8	0.2	37	0.15	0.018
REP 118267	QC			0.9	16.5	13.4	39	<0.1	12.5	5.9	189	1.96	8.5	1.5	3.7	10.2	15	<0.1	0.7	0.2	38	0.15	0.017
118287	Soil			1.0	29.3	13.4	52	0.1	21.3	8.0	195	2.61	22.7	1.3	3.8	7.3	10	0.1	1.2	0.2	53	0.07	0.020
REP 118287	QC			1.1	29.4	13.4	53	0.1	21.2	8.1	197	2.58	22.1	1.3	6.2	7.1	10	<0.1	1.4	0.2	52	0.07	0.022
118312	Soil			1.0	18.7	9.3	75	0.1	21.3	10.7	500	2.09	9.7	5.3	1.5	4.1	20	0.3	0.9	0.1	36	0.41	0.075
REP 118312	QC			1.0	19.2	9.6	76	0.1	21.9	11.2	522	2.19	9.8	5.4	5.9	4.1	21	0.4	1.0	0.2	38	0.43	0.075
119181	Soil			1.0	13.3	20.1	57	<0.1	15.1	8.8	485	2.14	8.0	2.4	3.2	18.4	10	<0.1	1.4	0.3	29	0.12	0.035
REP 119181	QC			1.1	13.3	20.3	59	<0.1	14.8	9.0	485	2.20	8.1	2.5	7.4	18.8	10	0.1	1.4	0.3	29	0.11	0.036
119204	Soil			1.3	16.0	16.8	61	<0.1	16.9	7.6	250	2.81	11.2	1.4	1.4	13.7	13	<0.1	0.6	0.2	44	0.13	0.028
REP 119204	QC			1.2	16.2	16.5	62	<0.1	17.0	7.9	248	2.78	11.0	1.4	1.0	13.4	13	<0.1	0.6	0.2	45	0.13	0.026
119228	Soil			0.4	53.5	4.9	115	<0.1	29.5	20.6	551	4.01	2.6	0.4	<0.5	1.8	13	<0.1	0.2	<0.1	118	0.23	0.024
REP 119228	QC			0.3	54.8	5.0	120	<0.1	29.4	20.8	570	4.09	2.7	0.3	1.0	1.8	14	<0.1	0.2	<0.1	119	0.23	0.025
119238	Soil			0.8	8.5	10.0	50	<0.1	6.7	4.0	195	2.06	7.9	0.5	2.4	1.9	9	0.1	0.8	0.2	52	0.14	0.027
REP 119238	QC			0.8	8.7	9.3	50	<0.1	6.7	4.0	195	2.05	7.8	0.5	0.8	1.9	9	<0.1	0.8	0.2	52	0.13	0.027
119259	Soil			0.6	67.8	5.7	37	<0.1	24.8	14.8	203	2.32	5.1	0.2	1.2	1.3	8	0.1	0.3	<0.1	61	0.18	0.022
REP 119259	QC			0.6	67.7	5.6	37	<0.1	23.7	14.7	202	2.32	5.2	0.2	<0.5	1.3	7	<0.1	0.3	<0.1	62	0.19	0.022
119277	Soil			3.8	45.0	10.9	95	0.4	32.7	10.8	266	3.20	48.8	1.1	2.3	3.2	13	0.2	2.8	0.2	90	0.10	0.040
REP 119277	QC			3.5	42.3	10.4	89	0.4	31.2	10.3	249	2.99	46.2	1.0	5.2	3.1	12	0.2	2.7	0.2	84	0.10	0.038
119284	Soil			1.3	12.4	15.9	55	0.1	13.8	5.7	204	2.63	11.3	1.6	0.8	9.9	10	<0.1	0.7	0.2	53	0.11	0.022
REP 119284	QC			1.1	12.6	16.2	54	0.1	13.2	5.8	204	2.66	11.6	1.6	7.7	10.1	10	<0.1	0.8	0.2	53	0.11	0.022
119313	Soil			0.9	47.3	12.6	69	0.3	47.4	11.5	784	2.69	12.3	2.0	3.0	2.8	27	0.2	0.8	0.2	50	0.77	0.058
REP 119313	QC			0.8	45.7	12.6	66	0.3	45.4	11.1	768	2.59	11.8	1.9	2.5	2.6	26	0.3	0.8	0.2	48	0.75	0.056
119318	Soil			0.5	32.5	17.1	84	<0.1	24.4	9.4	319	4.12	5.7	1.1	1.2	5.8	21	0.4	0.4	0.1	66	0.47	0.078
REP 119318	QC			0.5	31.2	17.5	84	<0.1	24.2	9.1	314	4.08	5.0	1.1	1.0	5.6	21	0.4	0.4	0.1	65	0.47	0.076



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																	
118234	Soil	19	32	0.89	323	0.134	<1	1.78	0.007	0.34	<0.1	0.03	4.9	0.2	<0.05	5	<0.5
REP 118234	QC	19	33	0.88	317	0.131	<1	1.73	0.007	0.33	0.1	0.02	4.9	0.2	<0.05	6	0.6
118252	Soil	11	34	1.02	320	0.213	<1	1.98	0.006	0.67	0.2	0.01	2.9	0.4	<0.05	8	<0.5
REP 118252	QC	12	35	1.01	320	0.209	<1	1.96	0.006	0.67	0.2	<0.01	2.9	0.4	<0.05	7	<0.5
118267	Soil	24	20	0.32	190	0.040	3	1.09	0.005	0.04	0.1	0.08	2.5	0.1	<0.05	3	0.5
REP 118267	QC	24	20	0.32	186	0.040	3	1.11	0.006	0.04	0.1	0.07	2.4	<0.1	<0.05	3	<0.5
118287	Soil	19	28	0.39	212	0.052	<1	1.47	0.004	0.04	0.1	0.04	5.5	0.2	<0.05	4	0.9
REP 118287	QC	19	29	0.38	211	0.052	<1	1.43	0.006	0.05	0.1	0.05	5.3	0.2	<0.05	4	0.7
118312	Soil	18	30	0.46	291	0.064	1	1.07	0.007	0.13	0.6	0.12	2.8	0.2	<0.05	3	0.9
REP 118312	QC	18	31	0.47	300	0.066	<1	1.09	0.007	0.14	0.6	0.15	2.8	0.1	<0.05	3	0.7
119181	Soil	36	19	0.29	104	0.041	<1	1.23	0.004	0.10	0.3	0.39	2.0	0.2	<0.05	4	<0.5
REP 119181	QC	37	19	0.29	107	0.040	1	1.25	0.004	0.10	0.3	0.37	2.0	0.2	<0.05	4	0.5
119204	Soil	24	25	0.38	157	0.026	2	1.52	0.006	0.06	0.1	0.05	2.6	0.1	<0.05	5	<0.5
REP 119204	QC	24	25	0.37	155	0.027	1	1.52	0.007	0.06	0.1	0.04	2.5	0.1	<0.05	5	<0.5
119228	Soil	8	85	2.53	978	0.237	<1	3.27	0.015	1.11	0.1	<0.01	3.8	0.4	<0.05	9	<0.5
REP 119228	QC	8	85	2.57	1005	0.240	<1	3.34	0.012	1.13	0.1	<0.01	3.7	0.4	<0.05	9	<0.5
119238	Soil	8	20	0.64	145	0.143	<1	1.36	0.005	0.16	<0.1	<0.01	2.2	0.2	<0.05	8	<0.5
REP 119238	QC	8	20	0.64	141	0.139	<1	1.39	0.005	0.15	0.1	0.01	2.2	0.2	<0.05	8	<0.5
119259	Soil	4	72	0.91	275	0.134	<1	1.88	0.007	0.21	<0.1	0.01	2.5	0.1	<0.05	4	<0.5
REP 119259	QC	4	72	0.89	269	0.134	<1	1.87	0.007	0.22	<0.1	<0.01	2.4	0.1	<0.05	4	<0.5
119277	Soil	9	48	0.34	235	0.030	<1	1.85	0.004	0.05	<0.1	0.06	6.1	0.2	<0.05	5	2.0
REP 119277	QC	9	46	0.32	228	0.028	1	1.77	0.004	0.05	<0.1	0.05	6.0	0.2	<0.05	5	1.6
119284	Soil	22	23	0.35	176	0.070	<1	1.61	0.006	0.14	0.2	0.03	3.7	0.2	<0.05	7	<0.5
REP 119284	QC	22	24	0.35	173	0.069	<1	1.61	0.005	0.14	0.2	0.03	3.7	0.2	<0.05	7	<0.5
119313	Soil	20	32	0.47	660	0.033	<1	1.59	0.012	0.05	0.2	0.07	4.5	<0.1	<0.05	5	0.6
REP 119313	QC	19	32	0.45	649	0.030	<1	1.49	0.011	0.05	0.2	0.07	4.2	<0.1	<0.05	4	0.6
119318	Soil	14	28	0.75	382	0.105	<1	1.77	0.012	0.19	<0.1	0.02	5.7	<0.1	<0.05	8	<0.5
REP 119318	QC	14	27	0.74	375	0.101	<1	1.73	0.012	0.19	<0.1	0.03	5.7	<0.1	<0.05	8	<0.5



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
120115	Soil	0.6	24.8	7.7	52	<0.1	29.0	17.7	397	3.31	5.9	0.9	2.7	4.9	21	<0.1	0.9	0.1	74	0.31
REP 120115	QC	0.5	25.3	7.5	50	<0.1	28.4	17.1	384	3.24	5.6	0.8	1.5	4.9	21	<0.1	0.8	<0.1	72	0.31
120123	Soil	1.6	12.8	9.6	57	<0.1	15.4	11.2	413	3.53	9.8	2.3	1.8	7.1	12	<0.1	0.6	0.2	63	0.19
REP 120123	QC	1.6	13.5	9.2	60	<0.1	15.8	11.9	423	3.69	9.8	2.3	1.5	7.1	12	0.1	0.6	0.2	64	0.20
120139	Soil	1.0	26.6	15.9	67	<0.1	31.9	13.2	302	4.07	9.8	0.8	0.7	8.3	7	<0.1	0.5	0.3	69	0.05
REP 120139	QC	1.1	26.3	15.9	67	<0.1	30.9	12.8	297	4.03	9.6	0.8	<0.5	8.4	7	<0.1	0.5	0.3	66	0.05
120165	Soil	1.1	73.6	19.8	94	0.7	45.9	13.8	683	2.74	8.2	2.8	3.9	4.7	18	0.3	0.4	<0.1	50	0.39
REP 120165	QC	1.1	71.8	20.0	91	0.7	46.7	14.0	678	2.72	8.1	2.9	0.9	4.8	17	0.3	0.5	<0.1	51	0.40
Reference Materials																				
STD DS8	Standard	12.2	112.6	117.9	320	1.9	38.4	7.4	620	2.49	28.8	2.7	101.2	6.2	63	2.5	5.6	6.5	42	0.69
STD DS8	Standard	12.3	110.5	121.2	314	1.8	38.0	7.6	620	2.48	28.7	2.7	102.4	6.5	63	2.5	5.2	6.8	41	0.66
STD DS8	Standard	12.3	109.7	126.6	311	1.7	37.7	7.4	607	2.39	26.7	2.6	110.1	6.4	62	2.1	5.4	6.3	41	0.64
STD DS8	Standard	13.2	112.1	127.4	320	1.7	37.3	7.5	593	2.46	26.9	2.8	107.1	6.8	66	2.3	5.6	6.3	44	0.70
STD DS8	Standard	14.6	122.6	131.3	335	1.9	42.3	8.6	659	2.60	29.1	2.9	121.9	6.9	69	2.5	6.2	7.3	46	0.75
STD DS8	Standard	15.1	122.6	136.1	331	1.9	44.3	8.7	655	2.59	28.9	3.2	120.9	7.5	72	2.5	6.0	7.6	45	0.74
STD DS8	Standard	13.3	120.3	129.5	349	1.8	41.6	8.1	624	2.53	28.5	2.7	117.2	6.6	63	2.7	6.0	7.4	43	0.68
STD DS8	Standard	12.4	110.4	118.5	320	1.7	37.4	7.3	581	2.33	26.1	2.7	128.6	6.4	61	2.2	5.5	6.9	41	0.65
STD DS8	Standard	13.0	112.3	113.5	320	1.9	37.8	7.8	603	2.42	24.6	2.4	127.9	5.9	57	2.1	4.8	5.9	44	0.66
STD DS8	Standard	13.2	115.1	114.5	321	1.8	39.9	7.9	608	2.45	24.9	2.4	110.8	5.8	58	2.3	4.6	5.7	44	0.66
STD DS8	Standard	13.8	117.0	135.7	325	1.8	41.0	8.1	608	2.51	26.2	2.9	123.5	7.1	61	2.2	5.4	6.3	45	0.67
STD DS8	Standard	14.0	117.5	133.8	318	1.8	41.9	8.2	641	2.53	26.1	3.0	112.1	7.4	65	2.2	5.7	6.4	45	0.70
STD DS8	Standard	13.2	115.2	117.7	327	1.9	40.1	7.8	620	2.47	27.8	2.7	101.7	6.5	64	2.4	6.0	7.0	43	0.69
STD DS8	Standard	14.1	120.0	123.6	337	1.8	41.0	8.3	639	2.53	27.9	2.8	104.5	6.8	66	2.6	5.9	7.3	44	0.70
STD DS8	Standard	13.5	116.5	135.5	324	1.7	39.6	8.1	633	2.53	24.7	3.0	118.2	7.4	63	1.9	5.1	6.3	46	0.70
STD DS8	Standard	13.5	115.2	133.3	306	1.8	39.9	8.0	620	2.44	24.8	2.9	113.3	7.2	61	2.2	5.1	6.0	44	0.70
STD DS8	Standard	14.3	113.6	123.4	318	1.8	41.3	8.0	603	2.37	24.9	2.6	117.1	6.3	62	2.2	5.7	6.8	43	0.68
STD DS8	Standard	14.3	115.0	117.7	316	1.9	42.0	8.0	619	2.45	22.6	2.6	141.1	5.9	62	2.5	5.5	6.7	43	0.69
STD DS8	Standard	13.1	117.1	116.2	325	1.9	40.2	7.8	623	2.48	26.9	2.4	105.6	5.9	58	2.4	5.5	6.3	45	0.66
STD DS8	Standard	14.4	119.7	114.3	337	2.0	43.3	8.7	667	2.66	28.6	2.3	109.9	6.1	65	2.6	5.6	6.5	47	0.73



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
120115	Soil	19	88	1.30	486	0.151	<1	2.26	0.010	0.35	0.1	0.01	4.0	0.2	<0.05	7	0.6	<0.2
REP 120115	QC	18	85	1.25	480	0.148	<1	2.16	0.009	0.34	0.2	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
120123	Soil	33	28	0.73	180	0.116	<1	1.93	0.006	0.29	0.2	0.02	2.7	0.3	<0.05	7	0.7	<0.2
REP 120123	QC	34	28	0.73	185	0.119	<1	1.95	0.007	0.29	0.2	0.03	2.9	0.3	<0.05	7	<0.5	<0.2
120139	Soil	10	37	0.61	110	0.128	1	2.16	0.006	0.27	0.1	0.01	2.6	0.2	<0.05	7	<0.5	<0.2
REP 120139	QC	10	35	0.60	110	0.129	1	2.14	0.006	0.25	<0.1	0.02	2.6	0.1	<0.05	7	<0.5	<0.2
120165	Soil	26	28	0.45	665	0.045	1	1.33	0.011	0.06	0.1	0.08	5.2	0.1	<0.05	4	1.1	<0.2
REP 120165	QC	26	28	0.45	675	0.045	2	1.29	0.011	0.06	<0.1	0.09	5.3	<0.1	<0.05	4	1.5	<0.2
Reference Materials																		
STD DS8	Standard	12	114	0.60	258	0.097	3	0.88	0.088	0.43	2.9	0.22	2.0	5.5	0.16	5	5.7	5.0
STD DS8	Standard	13	114	0.61	260	0.101	3	0.87	0.085	0.42	2.7	0.19	2.0	5.3	0.16	4	5.2	4.8
STD DS8	Standard	13	111	0.60	265	0.107	3	0.87	0.070	0.42	2.9	0.21	2.0	5.0	0.17	5	5.7	4.8
STD DS8	Standard	15	113	0.61	279	0.118	3	0.90	0.082	0.42	3.0	0.19	1.9	5.1	0.15	5	5.5	4.8
STD DS8	Standard	16	128	0.64	295	0.123	2	0.95	0.092	0.42	3.3	0.20	2.2	5.9	0.13	5	5.1	5.7
STD DS8	Standard	16	125	0.64	309	0.126	<1	0.98	0.097	0.44	3.1	0.20	2.2	5.9	0.17	5	5.8	5.9
STD DS8	Standard	12	123	0.61	270	0.108	3	0.86	0.082	0.42	3.0	0.20	1.8	5.5	0.17	5	5.8	5.1
STD DS8	Standard	13	112	0.58	270	0.107	2	0.83	0.079	0.40	2.8	0.21	1.8	5.3	0.13	4	5.4	4.4
STD DS8	Standard	14	121	0.62	255	0.114	4	0.88	0.079	0.41	3.0	0.19	2.2	5.6	0.15	5	5.5	5.3
STD DS8	Standard	14	124	0.61	255	0.115	3	0.88	0.079	0.41	3.0	0.22	2.0	5.6	0.15	5	5.1	5.2
STD DS8	Standard	14	122	0.61	275	0.117	2	0.91	0.084	0.40	3.0	0.20	2.0	5.5	0.14	5	5.6	5.4
STD DS8	Standard	15	124	0.63	286	0.124	2	0.94	0.088	0.42	3.2	0.17	2.2	5.7	0.10	5	5.7	5.5
STD DS8	Standard	14	120	0.62	280	0.116	3	0.91	0.089	0.42	3.0	0.18	1.8	5.3	0.13	4	5.6	5.2
STD DS8	Standard	15	124	0.62	293	0.121	3	0.93	0.090	0.43	3.0	0.20	1.9	5.6	0.14	5	5.2	4.8
STD DS8	Standard	15	128	0.61	270	0.126	3	0.92	0.086	0.40	2.8	0.20	2.0	5.1	0.15	5	5.3	4.8
STD DS8	Standard	16	123	0.60	271	0.123	3	0.92	0.085	0.40	2.9	0.21	2.0	5.3	0.16	5	4.9	4.8
STD DS8	Standard	15	120	0.60	275	0.118	3	0.88	0.087	0.43	3.2	0.22	2.2	5.4	0.17	5	4.9	5.1
STD DS8	Standard	15	125	0.63	281	0.118	2	0.92	0.091	0.42	3.2	0.22	2.2	5.4	0.19	5	5.2	5.7
STD DS8	Standard	13	121	0.63	277	0.111	2	0.89	0.086	0.43	3.0	0.21	2.0	5.2	0.18	5	5.5	5.3
STD DS8	Standard	15	124	0.69	283	0.123	2	1.01	0.094	0.46	3.2	0.20	2.3	5.3	0.24	5	5.7	5.2



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Part 1

QUALITY CONTROL REPORT

WHI11000287.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	13.7	114.5	130.6	314	1.8	39.0	7.9	618	2.50	27.3	2.7	111.4	6.7	63	2.4	5.4	6.6	44	0.68	0.079
STD DS8	Standard	14.0	114.8	129.6	314	1.8	39.2	7.7	619	2.48	26.6	2.7	106.7	6.7	64	2.3	5.4	6.7	44	0.70	0.078
STD DS8	Standard	13.5	120.6	124.5	320	1.7	41.3	8.1	633	2.52	26.5	2.7	120.4	6.3	64	2.4	5.2	6.2	43	0.70	0.084
STD DS8	Standard	13.8	118.6	120.6	320	1.7	41.6	8.1	624	2.51	26.8	2.6	117.8	6.4	63	2.3	5.1	6.1	44	0.76	0.088
STD DS8	Standard	13.2	108.7	121.1	307	1.7	36.0	7.4	604	2.41	25.3	2.8	102.3	6.7	66	2.4	5.7	6.4	42	0.68	0.079
STD DS8	Standard	13.4	115.1	118.7	305	1.7	37.2	7.4	590	2.28	27.9	2.7	98.1	6.7	69	2.6	6.1	6.3	41	0.66	0.083
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

WHI11000287.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	15	123	0.62	287	0.114	2	0.91	0.086	0.41	3.1	0.21	2.0	5.4	0.16	5	5.8	4.8
STD DS8	Standard	15	122	0.62	291	0.117	3	0.92	0.088	0.41	3.0	0.22	2.1	5.3	0.17	5	5.2	5.1
STD DS8	Standard	14	123	0.61	276	0.114	3	0.95	0.098	0.44	2.8	0.19	2.1	5.5	0.15	5	4.6	5.0
STD DS8	Standard	15	123	0.62	294	0.123	2	0.96	0.103	0.42	3.1	0.17	2.2	5.1	0.15	5	4.8	5.0
STD DS8	Standard	15	111	0.54	264	0.117	3	0.86	0.084	0.39	2.8	0.19	2.1	4.9	0.16	5	4.9	4.6
STD DS8	Standard	16	109	0.58	280	0.125	3	0.86	0.088	0.38	3.0	0.20	2.2	4.9	0.15	5	5.0	5.0
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
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: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: June 22, 2011
Report Date: July 03, 2011
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI11000288.1

CLIENT JOB INFORMATION

Project: WMOOSE
Shipment ID: 20110617100612
P.O. Number
Number of Samples: 147

SAMPLE DISPOSAL

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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Greg Davidson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	147	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	147	Dry at 60C			WHI
1DX2	147	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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WMOOSE

Report Date:

July 03, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000288.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
120176	Soil	1.2	33.5	18.1	143	0.2	27.2	7.5	298	2.51	34.0	1.4	4.0	6.4	16	0.2	0.9	0.2	44	0.32	0.056
120177	Soil	0.7	18.5	9.2	74	<0.1	23.5	11.8	448	2.75	10.5	0.9	4.0	5.6	27	0.1	0.6	0.1	49	0.55	0.089
120178	Soil	0.8	30.0	7.0	75	<0.1	28.3	15.0	377	3.77	6.7	0.6	1.1	5.9	24	<0.1	0.3	<0.1	64	0.32	0.105
120179	Soil	0.8	18.0	10.9	59	<0.1	20.4	8.7	260	2.88	7.0	0.7	1.8	5.9	12	<0.1	0.3	0.2	49	0.14	0.034
120180	Soil	1.1	38.7	28.4	86	0.2	26.5	10.3	407	2.83	36.0	2.3	5.2	8.5	18	0.3	5.0	0.2	46	0.12	0.031
120181	Soil	1.0	27.6	13.1	55	0.1	19.3	7.8	251	2.37	19.1	1.1	3.1	4.5	17	0.2	2.3	0.2	47	0.14	0.039
120182	Soil	1.3	28.2	15.2	53	0.1	18.3	6.6	228	2.51	22.2	1.5	3.7	2.5	15	0.2	2.5	0.2	52	0.13	0.078
120183	Soil	1.8	30.7	16.7	87	0.2	23.3	8.3	371	2.64	30.5	1.1	3.6	4.9	14	0.4	5.5	0.3	57	0.09	0.049
120184	Soil	1.8	40.5	13.8	88	0.2	25.1	9.5	349	2.68	24.6	1.4	4.6	3.3	20	0.3	4.6	0.3	57	0.13	0.065
120185	Soil	4.3	51.5	20.0	217	0.2	72.4	12.8	791	5.83	104.2	2.2	2.9	6.3	12	0.6	19.7	0.3	71	0.05	0.078
120186	Soil	2.2	29.3	12.3	86	<0.1	34.5	12.9	774	4.68	15.1	1.3	1.0	5.5	7	0.2	3.3	0.3	36	0.06	0.065
120187	Soil	1.6	26.2	13.1	57	0.2	19.2	7.2	260	2.78	20.1	1.2	3.9	7.1	12	<0.1	2.0	0.2	54	0.08	0.017
120188	Soil	1.7	33.3	16.0	73	0.8	27.7	9.5	306	3.41	21.2	1.0	6.2	6.6	13	0.2	1.8	0.3	62	0.09	0.027
120189	Soil	1.5	40.2	18.2	87	0.2	31.5	10.2	441	3.90	27.5	2.3	5.0	11.1	10	<0.1	3.9	0.4	51	0.06	0.027
120190	Soil	1.1	16.7	10.1	51	0.2	16.2	4.7	169	2.40	16.2	0.8	2.7	6.2	11	<0.1	1.6	0.2	42	0.07	0.028
120191	Soil	1.2	18.4	10.8	54	0.2	17.7	5.2	183	2.65	16.5	0.9	1.4	7.1	13	<0.1	1.7	0.3	45	0.09	0.028
120192	Soil	0.6	23.8	18.9	129	<0.1	33.8	11.0	445	3.67	16.8	3.6	4.1	21.0	6	<0.1	1.0	0.2	44	0.03	0.016
120193	Soil	2.7	56.3	15.2	140	0.1	75.8	13.6	1969	3.73	46.5	3.4	5.1	6.5	12	0.4	3.2	0.2	73	0.08	0.036
120194	Soil	1.0	32.2	12.0	56	0.2	26.4	8.9	332	2.75	13.3	1.4	3.6	5.6	19	<0.1	1.0	0.2	53	0.16	0.014
120195	Soil	1.2	26.1	15.9	48	0.2	23.0	8.5	222	2.91	16.9	1.6	2.7	6.6	14	<0.1	0.9	0.3	66	0.12	0.020
120196	Soil	1.1	37.0	12.0	56	<0.1	23.4	6.8	142	2.84	9.5	1.5	2.0	8.5	10	0.1	1.0	0.2	49	0.05	0.015
120197	Soil	0.9	35.1	12.6	70	0.3	63.2	12.2	299	3.54	7.6	1.3	1.7	9.7	13	<0.1	0.5	0.2	59	0.11	0.018
120198	Soil	0.3	27.1	6.4	36	<0.1	121.3	16.9	202	2.70	2.9	0.3	<0.5	1.9	19	<0.1	0.2	0.1	49	0.32	0.037
120199	Soil	1.2	16.8	13.8	44	0.3	18.3	8.7	278	2.79	9.9	0.9	1.1	5.4	10	0.1	0.7	0.2	58	0.07	0.040
120200	Soil	0.6	12.8	18.2	93	<0.1	8.3	2.7	228	2.83	4.3	1.0	0.8	11.7	6	<0.1	0.2	0.3	24	0.08	0.028
120201	Soil	0.9	42.3	24.0	110	<0.1	28.5	8.3	158	3.18	8.1	2.5	2.2	18.8	7	<0.1	0.9	0.3	35	0.02	0.026
120202	Soil	0.7	45.0	20.9	101	<0.1	31.3	8.1	309	3.40	9.9	2.5	5.7	12.5	15	<0.1	0.8	0.2	52	0.08	0.016
120203	Soil	0.3	18.1	24.2	72	<0.1	8.3	4.8	280	3.12	2.8	0.9	0.6	12.4	11	<0.1	0.2	0.2	19	0.18	0.023
120204	Soil	0.5	68.4	8.1	91	<0.1	26.0	12.0	757	3.34	3.0	0.4	1.9	1.9	12	<0.1	0.3	0.1	93	0.16	0.035
120205	Soil	0.5	47.6	9.1	75	0.1	18.9	8.0	387	2.95	4.0	0.6	1.0	3.8	11	0.2	0.3	<0.1	62	0.18	0.042



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Report Date: July 03, 2011

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
120176	Soil	20	31	0.41	403	0.058	1	1.13	0.005	0.14	<0.1	0.04	3.2	0.3	<0.05	4	<0.5	<0.2
120177	Soil	15	61	0.83	437	0.098	<1	1.58	0.011	0.21	0.2	0.05	2.7	0.2	<0.05	5	<0.5	<0.2
120178	Soil	12	94	1.25	507	0.198	<1	2.34	0.010	0.70	0.2	<0.01	2.4	0.3	<0.05	7	<0.5	<0.2
120179	Soil	15	38	0.69	202	0.147	<1	1.66	0.008	0.30	0.1	0.02	1.9	0.3	<0.05	6	<0.5	<0.2
120180	Soil	25	28	0.38	286	0.070	2	1.36	0.007	0.10	0.1	0.22	5.1	0.2	<0.05	4	0.6	<0.2
120181	Soil	16	27	0.38	184	0.043	<1	1.42	0.007	0.04	0.1	0.11	3.2	0.1	<0.05	4	0.6	<0.2
120182	Soil	15	29	0.36	205	0.034	<1	1.47	0.007	0.04	0.1	0.16	3.2	0.2	<0.05	5	0.6	<0.2
120183	Soil	12	29	0.29	194	0.035	1	1.32	0.006	0.04	0.1	0.15	3.1	0.3	<0.05	5	0.7	<0.2
120184	Soil	12	31	0.36	234	0.031	2	1.43	0.006	0.05	0.2	0.28	2.8	0.3	<0.05	4	1.1	<0.2
120185	Soil	12	33	0.14	221	0.019	<1	1.04	0.002	0.04	0.1	0.13	5.4	0.9	<0.05	4	0.6	<0.2
120186	Soil	27	24	0.18	150	0.017	1	0.91	0.003	0.06	<0.1	0.02	4.1	0.2	<0.05	4	0.7	<0.2
120187	Soil	15	30	0.36	230	0.051	<1	1.77	0.006	0.04	0.1	0.07	3.4	0.2	<0.05	5	0.6	<0.2
120188	Soil	12	38	0.48	254	0.053	2	2.15	0.006	0.06	0.1	0.11	3.5	0.2	<0.05	6	0.6	<0.2
120189	Soil	19	28	0.30	225	0.028	1	1.49	0.004	0.05	<0.1	0.17	6.6	0.3	<0.05	4	0.9	<0.2
120190	Soil	14	23	0.30	204	0.031	1	1.16	0.004	0.05	<0.1	0.04	2.7	0.2	<0.05	5	0.7	<0.2
120191	Soil	16	25	0.32	207	0.040	1	1.33	0.004	0.06	0.1	0.06	3.2	0.2	<0.05	5	<0.5	<0.2
120192	Soil	70	40	1.02	191	0.166	2	2.36	0.004	0.71	<0.1	0.10	5.4	0.7	<0.05	9	0.9	<0.2
120193	Soil	16	38	0.45	428	0.043	1	2.11	0.006	0.05	0.2	0.12	5.7	0.2	<0.05	5	0.9	<0.2
120194	Soil	19	32	0.52	490	0.060	<1	1.76	0.010	0.04	0.1	0.09	5.8	<0.1	<0.05	5	<0.5	<0.2
120195	Soil	17	37	0.43	365	0.055	1	2.46	0.008	0.05	0.1	0.04	4.2	0.1	<0.05	7	<0.5	<0.2
120196	Soil	18	31	0.38	203	0.036	1	1.69	0.005	0.05	0.1	0.02	3.8	0.1	<0.05	4	0.6	<0.2
120197	Soil	27	123	0.70	362	0.088	<1	1.90	0.007	0.19	0.1	0.02	5.3	0.4	<0.05	6	<0.5	<0.2
120198	Soil	8	212	1.79	273	0.171	<1	2.29	0.013	0.45	<0.1	<0.01	4.3	0.3	<0.05	6	<0.5	<0.2
120199	Soil	11	25	0.22	232	0.036	<1	1.70	0.004	0.05	0.2	0.04	2.0	0.1	<0.05	6	<0.5	<0.2
120200	Soil	33	13	0.97	103	0.097	<1	1.86	0.005	0.63	<0.1	<0.01	2.2	0.3	<0.05	6	<0.5	<0.2
120201	Soil	43	24	0.33	257	0.088	<1	1.77	0.003	0.39	<0.1	0.03	3.0	0.5	<0.05	5	0.9	<0.2
120202	Soil	28	43	0.76	417	0.113	1	1.98	0.006	0.33	<0.1	0.03	7.4	0.3	<0.05	6	0.7	<0.2
120203	Soil	45	10	1.60	373	0.136	<1	2.51	0.005	0.72	<0.1	<0.01	3.6	0.5	<0.05	8	<0.5	<0.2
120204	Soil	7	21	2.11	1755	0.178	<1	3.23	0.010	0.59	<0.1	<0.01	8.6	0.2	<0.05	11	<0.5	<0.2
120205	Soil	16	17	1.85	1052	0.118	1	2.61	0.011	0.39	<0.1	<0.01	6.8	0.1	<0.05	8	<0.5	<0.2



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	Method Analyte	Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
120206	Soil		0.5	80.7	10.1	177	0.2	55.7	14.3	1213	2.04	11.0	1.0	6.1	3.7	22	1.0	1.5	0.1	49	0.38	0.077
120207	Soil		0.8	27.1	14.8	99	0.2	23.5	7.2	292	2.41	14.5	1.8	4.9	4.8	17	0.2	1.1	0.2	49	0.13	0.018
120208	Soil		0.8	23.6	16.1	70	0.2	28.0	3.0	58	1.57	25.0	1.2	1.8	7.7	12	<0.1	0.9	0.2	30	0.03	0.015
120209	Soil		0.9	25.8	23.0	140	<0.1	51.7	16.9	332	5.33	29.3	1.1	1.3	12.3	21	<0.1	0.6	<0.1	70	0.27	0.020
120210	Soil		1.0	13.3	23.4	124	0.2	23.7	10.9	350	3.53	9.3	0.6	0.9	4.7	12	0.2	0.5	0.2	71	0.13	0.025
120211	Soil		0.4	46.3	10.1	123	<0.1	77.5	14.4	237	2.70	3.7	0.3	0.8	1.6	11	0.1	0.2	<0.1	62	0.18	0.014
120212	Soil		1.0	109.9	269.9	767	0.2	42.6	9.4	342	3.43	13.1	1.0	3.6	6.7	10	0.7	1.1	0.2	61	0.05	0.023
120213	Soil		0.9	21.3	17.9	130	<0.1	39.4	11.5	293	4.22	7.4	0.7	0.8	7.2	13	0.2	0.4	0.2	63	0.14	0.022
120214	Soil		0.9	12.8	20.4	88	0.2	15.2	6.2	206	2.58	12.0	0.6	1.7	5.7	12	0.1	0.8	0.2	52	0.10	0.019
120215	Soil		0.9	11.0	19.4	71	0.2	12.5	5.3	176	2.32	9.0	0.5	1.7	4.3	10	0.1	0.6	0.2	53	0.09	0.018
120216	Soil		1.6	31.6	41.7	319	0.1	41.1	10.4	290	3.14	14.5	1.3	2.6	8.3	10	0.2	0.6	0.2	46	0.09	0.022
120217	Soil		0.9	78.0	8.0	88	<0.1	16.1	11.3	657	3.78	4.5	1.1	2.7	3.9	18	<0.1	0.4	<0.1	94	0.22	0.036
120218	Soil		1.0	51.4	11.9	97	0.1	31.4	9.4	498	2.91	12.4	2.2	6.3	5.1	11	0.1	1.0	0.4	52	0.09	0.028
120219	Soil		1.2	16.7	13.6	55	0.1	23.9	8.2	238	2.85	11.8	0.6	2.0	6.4	7	<0.1	0.6	0.3	47	0.07	0.036
120220	Soil		1.1	15.0	13.0	72	<0.1	23.6	7.8	295	2.98	9.1	0.6	0.8	5.6	8	<0.1	0.5	0.3	62	0.09	0.035
120221	Soil		0.9	42.4	13.3	62	<0.1	28.5	7.0	209	2.54	10.1	1.8	4.2	15.9	12	<0.1	0.7	0.2	46	0.12	0.010
120222	Soil		0.8	22.3	11.7	45	<0.1	19.9	6.2	188	2.28	8.7	0.7	2.0	6.9	14	0.1	0.5	0.2	45	0.18	0.041
120223	Soil		0.9	36.8	11.5	71	<0.1	23.7	11.1	409	4.04	8.7	1.6	3.6	11.5	21	0.1	0.6	0.3	60	0.32	0.078
120224	Soil		1.3	31.9	17.3	81	<0.1	39.5	13.7	381	4.06	6.1	1.4	2.1	12.3	13	<0.1	0.5	0.3	62	0.17	0.026
120225	Soil		1.2	21.2	14.3	49	<0.1	23.4	7.7	310	2.64	7.7	1.2	<0.5	10.0	14	<0.1	0.4	0.2	45	0.21	0.027
120226	Soil		1.1	36.3	15.2	64	<0.1	41.9	9.5	300	2.79	9.0	1.3	1.4	11.3	21	<0.1	0.7	0.2	50	0.28	0.017
120227	Soil		1.3	21.9	14.8	60	<0.1	23.8	7.1	171	2.43	18.6	1.9	1.0	7.4	12	0.1	0.6	0.2	32	0.11	0.011
120228	Soil		0.8	118.3	12.9	106	<0.1	45.6	17.8	483	4.60	9.5	1.4	5.6	7.4	22	<0.1	0.5	0.2	94	0.32	0.032
120229	Soil		1.2	51.8	14.7	63	<0.1	33.5	14.0	341	3.11	9.2	1.2	3.0	7.3	23	<0.1	0.6	0.2	65	0.30	0.019
120230	Soil		1.2	72.3	11.7	76	<0.1	28.7	13.4	337	3.66	9.3	1.7	4.1	5.8	24	<0.1	0.7	0.2	86	0.36	0.046
120231	Soil		0.9	34.8	9.5	55	0.1	23.3	8.9	253	2.63	8.1	1.5	3.0	4.2	21	0.1	0.6	0.2	55	0.30	0.052
120232	Soil		0.8	31.0	9.4	54	0.1	18.3	8.2	209	2.35	7.8	1.3	1.6	4.4	22	0.1	0.5	0.2	53	0.31	0.046
120233	Soil		0.9	41.0	9.2	54	<0.1	23.4	9.8	359	2.69	9.6	1.4	5.8	4.9	25	0.1	0.6	0.2	57	0.37	0.041
120234	Soil		0.7	18.8	8.8	44	<0.1	15.0	7.3	205	2.19	8.3	0.7	2.1	4.0	18	<0.1	0.4	0.1	48	0.27	0.033
120235	Soil		0.8	35.9	7.7	59	<0.1	21.1	10.0	228	2.91	7.6	0.6	1.2	3.8	15	<0.1	0.4	0.3	64	0.21	0.030



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		La ppm 1	Cr ppm 1	Mg % 0.01	Ba ppm 1	Ti % 0.001	B ppm 1	Al % 0.01	Na % 0.001	K % 0.01	W ppm 0.1	Hg ppm 0.01	Sc ppm 0.1	Ti ppm 0.1	S % 0.05	Ga ppm 1	Se ppm 0.5	Te ppm 0.2
120206	Soil	42	17	0.71	710	0.041	1	1.52	0.004	0.11	<0.1	0.03	8.7	0.2	<0.05	5	0.6	<0.2
120207	Soil	16	27	0.43	432	0.054	1	1.50	0.008	0.05	0.1	0.14	4.1	0.2	<0.05	5	<0.5	<0.2
120208	Soil	13	26	0.13	174	0.005	<1	0.99	0.002	0.06	<0.1	0.03	3.1	0.2	<0.05	2	<0.5	<0.2
120209	Soil	22	56	1.11	137	0.164	<1	3.02	0.006	0.47	0.2	<0.01	3.1	0.3	<0.05	6	<0.5	<0.2
120210	Soil	10	41	0.77	225	0.139	1	2.53	0.006	0.38	0.1	<0.01	2.6	0.3	<0.05	7	<0.5	<0.2
120211	Soil	5	254	2.00	218	0.167	<1	2.52	0.008	0.57	0.1	0.01	4.7	0.3	<0.05	6	<0.5	<0.2
120212	Soil	24	122	0.71	265	0.116	<1	2.06	0.004	0.31	0.1	0.05	6.6	0.7	<0.05	6	0.5	<0.2
120213	Soil	12	49	0.72	411	0.084	<1	2.61	0.007	0.32	<0.1	<0.01	3.7	0.3	<0.05	7	<0.5	<0.2
120214	Soil	14	27	0.36	278	0.049	<1	1.62	0.006	0.06	<0.1	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
120215	Soil	12	24	0.31	240	0.044	<1	1.45	0.006	0.05	0.1	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2
120216	Soil	13	27	0.33	312	0.030	<1	1.25	0.002	0.07	<0.1	<0.01	3.4	0.5	<0.05	4	<0.5	<0.2
120217	Soil	16	14	1.38	1015	0.213	<1	2.58	0.008	0.83	<0.1	<0.01	8.5	0.2	<0.05	8	<0.5	<0.2
120218	Soil	20	30	0.45	335	0.052	<1	1.56	0.005	0.06	0.2	0.05	5.3	0.2	0.10	5	<0.5	<0.2
120219	Soil	10	29	0.34	267	0.034	1	1.89	0.004	0.10	0.2	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
120220	Soil	9	38	0.65	141	0.081	1	1.93	0.005	0.20	0.1	<0.01	2.3	0.2	<0.05	8	<0.5	<0.2
120221	Soil	61	34	0.44	265	0.048	1	1.45	0.006	0.08	0.1	0.04	4.5	0.1	<0.05	5	0.9	<0.2
120222	Soil	20	28	0.38	286	0.046	1	1.42	0.006	0.07	0.2	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
120223	Soil	38	29	0.60	590	0.079	1	1.88	0.006	0.37	0.2	0.06	6.9	0.4	<0.05	7	<0.5	<0.2
120224	Soil	42	69	1.13	449	0.161	<1	2.65	0.005	0.70	0.1	0.01	4.8	0.4	<0.05	9	0.7	<0.2
120225	Soil	32	36	0.52	375	0.066	2	1.40	0.007	0.19	0.1	<0.01	2.7	0.2	<0.05	5	<0.5	<0.2
120226	Soil	38	43	0.52	420	0.066	2	1.55	0.007	0.12	0.1	0.06	4.5	0.2	<0.05	5	0.8	<0.2
120227	Soil	19	17	0.18	309	0.018	<1	0.76	0.003	0.09	<0.1	<0.01	1.7	<0.1	<0.05	3	0.5	<0.2
120228	Soil	30	46	1.25	758	0.179	<1	2.44	0.007	0.85	<0.1	0.03	4.6	0.3	<0.05	8	<0.5	<0.2
120229	Soil	25	41	0.66	472	0.102	<1	1.89	0.009	0.14	0.1	0.05	4.8	0.1	<0.05	6	<0.5	<0.2
120230	Soil	19	37	0.73	524	0.082	<1	1.85	0.011	0.15	0.1	0.04	5.0	<0.1	<0.05	6	0.7	<0.2
120231	Soil	16	29	0.49	394	0.066	<1	1.51	0.009	0.08	0.2	0.03	3.1	<0.1	<0.05	4	0.6	<0.2
120232	Soil	16	26	0.47	355	0.058	1	1.44	0.008	0.06	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
120233	Soil	18	32	0.51	425	0.066	<1	1.63	0.011	0.06	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
120234	Soil	15	26	0.39	275	0.054	<1	1.40	0.008	0.05	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
120235	Soil	10	32	0.65	267	0.112	<1	1.69	0.006	0.18	0.1	0.03	2.4	0.1	<0.05	6	<0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
120236	Soil	1.1	45.1	9.5	53	<0.1	21.8	10.8	222	2.85	9.2	0.7	3.7	4.8	18	<0.1	0.5	0.2	65	0.25	0.023
120237	Soil	0.9	36.0	8.3	56	<0.1	20.1	8.3	229	2.45	7.6	0.7	3.4	4.3	19	<0.1	0.5	0.2	55	0.28	0.049
120238	Soil	0.9	27.5	8.2	44	<0.1	16.5	7.9	199	2.13	7.5	0.6	6.2	3.8	16	<0.1	0.5	0.2	52	0.23	0.033
120239	Soil	0.8	65.2	7.8	61	<0.1	21.7	13.3	306	2.97	7.0	0.7	2.9	3.6	26	<0.1	0.5	0.2	76	0.40	0.047
120240	Soil	0.9	41.0	8.7	55	<0.1	20.2	10.4	261	2.54	7.4	0.8	3.1	4.1	23	0.1	0.5	0.2	66	0.32	0.038
120241	Soil	0.8	36.1	7.2	53	<0.1	16.2	8.6	192	2.52	8.7	0.4	1.9	3.3	18	<0.1	0.4	0.2	63	0.25	0.037
120242	Soil	1.0	47.4	10.1	61	0.1	21.3	13.9	448	2.71	9.4	1.2	1.7	3.8	31	0.2	0.6	0.2	66	0.43	0.056
121164	Soil	1.5	19.3	17.6	71	<0.1	22.5	11.3	336	4.32	12.0	1.0	1.0	9.5	9	<0.1	0.6	0.3	74	0.10	0.040
121165	Soil	1.2	35.0	23.2	82	<0.1	30.9	15.3	448	4.48	10.9	1.5	1.6	17.2	8	0.1	0.3	0.3	63	0.11	0.042
121166	Soil	0.5	40.5	26.3	90	<0.1	32.5	17.1	568	3.96	11.3	2.7	<0.5	29.0	9	<0.1	0.2	0.4	43	0.16	0.056
121167	Soil	0.7	40.2	14.2	85	<0.1	49.8	17.4	336	3.56	25.9	1.5	2.3	17.4	9	0.1	1.1	0.2	54	0.12	0.027
121168	Soil	1.4	25.8	11.7	76	<0.1	27.8	12.1	439	3.46	9.7	0.6	0.5	5.9	9	0.1	0.5	0.3	68	0.09	0.041
121169	Soil	0.9	26.5	11.5	75	<0.1	30.3	14.7	430	3.88	8.0	0.7	1.1	8.1	9	<0.1	0.3	0.2	71	0.11	0.035
121170	Soil	1.0	26.7	12.0	60	<0.1	23.9	9.4	247	2.85	13.1	1.3	1.4	13.4	10	<0.1	0.6	0.3	53	0.11	0.014
121171	Soil	0.8	23.8	16.3	75	<0.1	18.6	9.3	366	2.62	7.6	3.4	1.6	29.6	11	<0.1	0.6	0.5	39	0.12	0.014
121172	Soil	1.0	20.5	15.5	56	<0.1	19.2	8.8	261	2.66	9.7	1.8	<0.5	18.8	8	0.1	0.7	0.4	51	0.07	0.017
121173	Soil	1.6	14.5	15.3	56	0.1	21.1	10.6	235	3.13	10.6	1.1	1.3	9.8	11	0.1	0.7	0.2	63	0.12	0.029
121174	Soil	1.0	23.7	13.5	63	<0.1	21.2	9.4	246	2.69	10.0	1.1	<0.5	11.0	9	0.1	0.8	0.2	58	0.09	0.033
121175	Soil	1.0	16.0	18.8	61	<0.1	20.9	9.0	295	2.85	12.5	2.0	1.8	21.4	11	0.1	1.0	0.2	49	0.09	0.033
121176	Soil	1.1	24.8	11.7	67	<0.1	21.7	11.1	289	3.00	16.2	0.7	1.3	5.3	9	<0.1	0.8	0.2	68	0.09	0.026
121177	Soil	0.6	9.5	31.0	58	<0.1	8.8	6.4	296	2.40	27.5	2.5	1.3	44.0	13	<0.1	1.6	0.6	24	0.18	0.040
121178	Soil	0.7	36.1	13.0	80	<0.1	19.0	13.9	481	3.80	20.2	1.2	<0.5	16.0	15	<0.1	0.5	1.8	52	0.16	0.038
121179	Soil	0.9	24.4	11.6	90	<0.1	51.5	19.3	503	4.84	22.0	0.9	<0.5	13.3	16	<0.1	0.6	0.1	80	0.11	0.028
121180	Soil	0.4	112.1	29.0	91	<0.1	35.2	17.7	483	4.77	11.6	2.0	<0.5	32.7	10	0.2	0.5	0.6	38	0.21	0.087
121181	Soil	1.6	28.2	16.1	73	<0.1	31.3	12.0	290	3.35	16.7	1.1	2.3	11.4	13	0.1	0.9	0.3	71	0.09	0.020
121182	Soil	0.9	18.2	25.6	84	<0.1	26.2	10.8	339	3.59	33.5	1.4	0.5	17.3	10	0.2	1.5	0.7	62	0.07	0.021
121183	Soil	0.7	27.7	12.3	76	<0.1	23.8	14.2	457	3.60	8.9	2.1	1.4	20.1	18	<0.1	0.5	0.8	57	0.18	0.030
121184	Soil	1.0	19.6	15.5	83	<0.1	28.0	14.0	394	3.93	20.9	0.8	<0.5	7.1	17	<0.1	0.8	0.3	70	0.15	0.041
121185	Soil	0.7	15.3	19.4	81	<0.1	23.7	12.2	400	3.31	13.7	1.8	<0.5	18.0	16	0.5	0.5	0.1	51	0.22	0.055
121186	Soil	0.9	9.6	18.7	53	<0.1	8.5	2.3	106	1.51	15.8	4.2	1.2	32.3	10	<0.1	1.2	0.3	11	0.09	0.010



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
120236	Soil	13	33	0.55	288	0.069	<1	1.71	0.009	0.05	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
120237	Soil	15	27	0.48	256	0.069	1	1.36	0.009	0.07	0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
120238	Soil	14	23	0.38	209	0.057	<1	1.28	0.008	0.04	0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
120239	Soil	13	30	0.66	373	0.089	<1	1.62	0.016	0.13	0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
120240	Soil	15	31	0.50	322	0.073	1	1.53	0.011	0.07	0.2	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
120241	Soil	12	23	0.51	196	0.056	<1	1.41	0.009	0.05	0.2	0.01	2.6	<0.1	<0.05	5	0.5	<0.2
120242	Soil	16	29	0.50	377	0.069	<1	1.48	0.014	0.06	0.2	0.03	3.6	<0.1	<0.05	5	0.5	<0.2
121164	Soil	24	42	0.64	147	0.136	1	2.45	0.006	0.28	0.2	0.02	2.7	0.2	<0.05	9	<0.5	<0.2
121165	Soil	39	47	0.90	193	0.197	1	2.81	0.007	0.69	<0.1	0.01	3.3	0.5	<0.05	9	<0.5	<0.2
121166	Soil	117	47	0.89	243	0.190	<1	2.20	0.007	0.90	<0.1	<0.01	3.4	0.5	<0.05	9	<0.5	<0.2
121167	Soil	55	92	1.02	158	0.147	1	2.36	0.007	0.44	0.1	0.02	3.5	0.4	<0.05	7	<0.5	<0.2
121168	Soil	10	42	0.68	135	0.120	<1	1.93	0.005	0.28	0.1	0.01	2.2	0.2	<0.05	7	<0.5	<0.2
121169	Soil	19	70	1.19	278	0.174	<1	2.83	0.007	0.47	0.1	0.03	2.6	0.4	<0.05	8	<0.5	<0.2
121170	Soil	32	34	0.51	157	0.066	<1	1.82	0.005	0.06	0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
121171	Soil	85	38	0.86	120	0.136	<1	2.01	0.007	0.23	0.2	0.02	3.1	0.5	<0.05	7	<0.5	<0.2
121172	Soil	22	31	0.52	136	0.071	<1	1.84	0.009	0.07	0.2	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
121173	Soil	13	33	0.43	204	0.053	1	2.34	0.005	0.08	0.2	0.03	2.2	0.1	<0.05	7	<0.5	<0.2
121174	Soil	16	31	0.55	140	0.070	1	2.09	0.008	0.12	0.2	0.02	2.5	0.1	0.08	6	<0.5	<0.2
121175	Soil	26	33	0.58	150	0.087	<1	2.32	0.007	0.22	0.2	0.02	3.0	0.3	<0.05	7	<0.5	<0.2
121176	Soil	11	38	0.56	166	0.082	1	2.00	0.008	0.06	0.1	<0.01	2.9	0.1	0.06	6	<0.5	<0.2
121177	Soil	142	19	0.61	112	0.046	<1	1.72	0.005	0.21	<0.1	0.01	3.4	0.3	<0.05	7	<0.5	<0.2
121178	Soil	21	48	1.21	160	0.220	1	3.03	0.007	0.61	1.1	0.01	1.8	0.9	<0.05	10	<0.5	<0.2
121179	Soil	20	171	1.94	583	0.278	<1	3.86	0.008	1.10	0.2	<0.01	3.5	0.6	<0.05	9	<0.5	<0.2
121180	Soil	24	36	1.06	215	0.277	<1	3.03	0.007	1.21	<0.1	<0.01	2.9	0.9	<0.05	9	<0.5	<0.2
121181	Soil	23	53	0.63	250	0.091	<1	2.50	0.007	0.05	0.2	0.01	3.8	0.2	<0.05	7	<0.5	<0.2
121182	Soil	16	79	0.78	155	0.066	<1	2.37	0.006	0.05	0.3	0.03	3.2	0.1	<0.05	9	0.6	<0.2
121183	Soil	23	60	1.17	228	0.220	<1	2.72	0.008	0.54	0.3	<0.01	2.8	0.9	<0.05	10	<0.5	<0.2
121184	Soil	11	56	1.03	359	0.188	<1	2.72	0.007	0.48	0.2	0.02	2.5	0.3	<0.05	8	<0.5	<0.2
121185	Soil	21	55	0.98	203	0.152	2	2.44	0.010	0.30	0.2	<0.01	2.0	0.3	<0.05	8	<0.5	<0.2
121186	Soil	111	14	0.20	141	0.013	<1	1.00	0.005	0.08	<0.1	0.06	2.9	<0.1	<0.05	3	0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
121187	Soil	0.5	7.8	12.1	46	<0.1	9.6	6.1	281	2.10	3.1	1.8	1.1	23.7	5	<0.1	0.5	<0.1	22	0.06	0.019
121188	Soil	0.4	5.6	12.3	27	<0.1	6.3	2.7	113	1.21	2.7	2.4	<0.5	29.8	12	<0.1	0.4	0.5	12	0.10	0.010
121189	Soil	0.4	12.7	14.1	34	<0.1	9.7	4.6	360	1.72	6.5	2.6	1.9	35.4	16	<0.1	1.0	0.4	21	0.16	0.014
121190	Soil	0.2	9.0	16.4	34	<0.1	6.3	3.3	320	1.46	3.3	3.0	1.0	43.0	21	<0.1	0.8	0.8	11	0.24	0.014
121191	Soil	1.0	12.5	26.8	71	<0.1	11.9	6.9	578	2.10	18.5	4.0	1.5	37.7	18	<0.1	3.7	0.3	15	0.21	0.056
121192	Soil	1.1	18.4	27.9	81	<0.1	17.0	8.9	806	2.45	45.5	9.3	1.7	33.8	15	0.1	2.5	0.6	27	0.15	0.054
121193	Soil	0.6	15.8	21.8	68	<0.1	11.5	5.6	351	1.83	27.3	7.3	1.0	40.8	32	<0.1	2.3	0.3	21	0.18	0.036
121194	Soil	1.1	23.2	14.2	57	<0.1	21.3	9.8	322	2.65	13.0	1.1	1.8	7.9	18	0.1	0.9	0.3	55	0.15	0.033
121195	Soil	0.8	17.9	12.9	56	<0.1	16.9	7.1	266	2.12	8.6	1.2	3.0	11.4	17	<0.1	1.1	0.2	41	0.18	0.035
121196	Soil	0.8	16.1	16.3	60	<0.1	15.3	6.6	324	1.98	7.5	1.8	2.0	13.0	19	<0.1	1.6	0.2	36	0.22	0.042
121197	Soil	0.9	29.5	15.0	61	<0.1	26.0	11.2	441	2.69	13.9	1.3	3.6	9.6	24	<0.1	1.2	0.3	53	0.21	0.044
121198	Soil	1.1	19.2	17.3	71	<0.1	19.6	7.1	300	2.48	11.8	1.6	1.9	11.2	16	<0.1	1.0	0.3	46	0.15	0.043
121199	Soil	1.2	18.8	16.9	64	<0.1	19.6	9.7	336	3.13	19.4	1.5	2.7	14.2	10	<0.1	1.1	0.3	56	0.08	0.025
121200	Soil	0.6	34.0	7.3	105	<0.1	10.9	5.2	387	3.15	2.6	2.0	1.0	36.0	16	<0.1	0.5	0.3	31	0.16	0.030
121201	Soil	1.1	19.0	9.9	54	<0.1	17.9	7.7	285	2.78	9.1	1.3	4.5	13.0	13	<0.1	0.6	0.2	51	0.12	0.026
121202	Soil	1.1	38.0	10.9	60	<0.1	18.7	8.4	372	2.75	7.5	1.8	4.1	12.4	19	0.1	0.9	0.3	45	0.20	0.032
121203	Soil	2.1	18.2	9.7	104	<0.1	9.8	5.1	343	2.34	6.4	1.1	1.0	3.7	13	0.1	0.6	0.5	43	0.08	0.035
121204	Soil	0.8	61.9	16.2	233	<0.1	6.1	4.6	631	3.56	4.5	2.3	0.6	11.3	23	0.1	3.4	0.7	54	0.03	0.053
121205	Soil	2.6	42.4	81.0	83	0.1	8.1	3.8	332	3.54	7.4	1.1	2.4	17.9	10	<0.1	1.3	1.4	31	0.05	0.035
121206	Soil	1.6	36.7	42.7	90	0.2	10.4	4.7	242	2.95	7.0	2.3	5.8	9.0	14	<0.1	0.6	0.7	52	0.10	0.071
121207	Soil	1.5	61.7	18.5	149	0.2	12.7	6.0	397	3.18	7.0	4.2	3.3	14.6	14	0.3	0.6	0.7	42	0.10	0.052
121208	Soil	2.4	58.8	8.8	157	<0.1	21.1	8.4	438	3.84	6.5	3.3	<0.5	11.1	15	0.3	0.3	0.6	65	0.09	0.056
121209	Soil	1.4	33.3	10.2	71	0.1	15.7	9.0	272	2.66	11.6	1.5	2.3	4.1	11	0.2	0.7	0.2	43	0.09	0.035
121210	Soil	2.1	7.0	3.6	65	<0.1	2.4	3.6	321	2.38	2.7	1.3	<0.5	10.9	3	<0.1	0.2	0.2	6	0.02	0.013
121211	Soil	3.6	17.0	6.5	108	<0.1	6.4	6.8	451	2.42	4.1	4.0	0.9	21.3	10	0.3	0.2	0.3	22	0.11	0.023
121212	Soil	1.3	12.3	6.9	57	<0.1	10.9	6.4	307	2.00	5.8	1.6	2.0	9.5	10	<0.1	0.3	0.1	28	0.09	0.021
121213	Soil	1.3	15.3	9.4	91	<0.1	15.1	8.0	403	3.00	6.0	1.0	<0.5	11.2	8	0.3	0.4	0.2	42	0.09	0.026
121214	Soil	1.5	10.7	10.1	75	<0.1	12.6	6.4	306	2.83	7.1	1.2	0.9	9.1	10	0.2	0.4	0.2	49	0.12	0.021
121215	Soil	1.7	10.7	10.0	79	<0.1	12.2	6.7	347	2.96	6.2	1.4	3.6	10.0	10	0.1	0.3	0.2	46	0.13	0.024
121216	Soil	1.1	16.3	13.8	60	<0.1	21.3	10.6	334	3.68	12.4	1.3	1.5	17.0	11	0.1	0.7	0.2	55	0.09	0.037



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
121187	Soil	16	19	0.57	89	0.095	1	1.43	0.005	0.30	0.2	<0.01	2.3	0.3	<0.05	7	<0.5	<0.2
121188	Soil	51	11	0.27	146	0.010	<1	1.10	0.009	0.08	<0.1	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
121189	Soil	51	15	0.41	174	0.045	<1	1.25	0.005	0.22	0.2	0.03	3.6	0.3	<0.05	5	<0.5	<0.2
121190	Soil	69	10	0.41	173	0.025	<1	1.23	0.005	0.32	<0.1	0.02	2.8	0.4	<0.05	6	<0.5	<0.2
121191	Soil	63	14	0.30	278	0.016	2	1.18	0.005	0.19	0.3	0.55	2.7	0.3	<0.05	4	<0.5	<0.2
121192	Soil	118	25	0.37	212	0.039	2	1.19	0.006	0.14	0.5	0.05	2.7	0.2	<0.05	5	<0.5	<0.2
121193	Soil	69	18	0.36	247	0.033	1	1.01	0.006	0.12	0.3	0.11	2.4	0.1	<0.05	5	<0.5	<0.2
121194	Soil	23	30	0.45	258	0.068	<1	1.55	0.007	0.05	0.2	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
121195	Soil	26	24	0.43	185	0.072	<1	1.24	0.006	0.05	0.2	0.04	2.4	<0.1	<0.05	5	0.5	<0.2
121196	Soil	40	22	0.43	202	0.075	<1	1.09	0.006	0.07	0.2	0.07	2.5	0.1	<0.05	4	<0.5	<0.2
121197	Soil	29	29	0.50	346	0.072	<1	1.65	0.008	0.05	0.2	0.03	4.7	0.1	<0.05	5	<0.5	<0.2
121198	Soil	37	28	0.46	234	0.046	<1	1.45	0.006	0.05	0.2	0.06	3.0	0.1	<0.05	5	<0.5	<0.2
121199	Soil	17	34	0.47	217	0.043	<1	2.00	0.006	0.04	0.2	0.05	3.4	0.1	<0.05	6	<0.5	<0.2
121200	Soil	21	16	0.99	599	0.160	<1	1.67	0.009	0.77	0.2	0.01	8.2	0.3	<0.05	9	<0.5	<0.2
121201	Soil	27	29	0.60	278	0.096	2	1.82	0.007	0.13	0.2	0.04	4.0	0.2	<0.05	7	<0.5	<0.2
121202	Soil	60	26	0.62	351	0.100	<1	1.37	0.009	0.15	0.2	0.07	4.8	0.1	<0.05	5	0.6	<0.2
121203	Soil	19	23	0.46	243	0.075	<1	1.22	0.006	0.16	0.1	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
121204	Soil	59	16	1.47	609	0.294	2	2.30	0.009	1.33	<0.1	<0.01	4.7	0.9	0.24	9	<0.5	<0.2
121205	Soil	21	18	0.50	155	0.075	<1	1.27	0.006	0.21	<0.1	0.02	1.7	0.2	0.11	5	<0.5	<0.2
121206	Soil	30	25	0.58	316	0.117	1	1.71	0.006	0.22	0.1	0.07	3.6	0.2	<0.05	8	<0.5	<0.2
121207	Soil	45	24	0.51	272	0.089	<1	1.58	0.008	0.25	0.2	0.05	3.2	0.2	<0.05	6	<0.5	<0.2
121208	Soil	45	34	1.49	822	0.206	<1	2.36	0.011	0.99	0.1	0.02	7.1	0.5	0.10	9	1.1	<0.2
121209	Soil	12	21	0.63	237	0.078	<1	1.64	0.007	0.18	0.1	0.03	3.5	0.2	0.05	5	0.5	<0.2
121210	Soil	17	4	0.94	248	0.087	<1	1.23	0.004	0.56	0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2
121211	Soil	50	8	1.41	409	0.132	<1	1.80	0.006	0.74	0.1	0.01	3.0	0.5	<0.05	7	<0.5	<0.2
121212	Soil	22	15	0.87	315	0.087	<1	1.36	0.006	0.12	0.1	0.01	2.2	0.2	<0.05	5	<0.5	<0.2
121213	Soil	44	19	1.16	232	0.152	1	2.05	0.007	0.41	0.2	0.02	3.4	0.3	<0.05	7	<0.5	<0.2
121214	Soil	18	20	0.93	288	0.164	<1	1.80	0.008	0.35	0.2	0.02	3.5	0.3	<0.05	8	<0.5	<0.2
121215	Soil	22	21	1.01	336	0.169	1	1.88	0.007	0.48	0.2	0.02	3.8	0.3	<0.05	8	<0.5	<0.2
121216	Soil	15	38	0.61	190	0.077	2	2.77	0.007	0.10	0.2	0.04	4.0	0.1	<0.05	6	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
121217	Soil	0.6	5.3	8.2	58	<0.1	16.3	8.8	407	3.39	2.0	2.5	<0.5	22.4	18	0.2	0.6	0.2	40	0.39	0.105
121218	Soil	0.8	5.6	5.7	49	<0.1	8.6	6.4	324	3.12	4.7	1.1	0.5	8.9	6	<0.1	0.4	0.2	43	0.08	0.057
121219	Soil	1.1	9.6	10.1	73	<0.1	14.6	10.2	369	4.34	7.6	3.2	<0.5	14.4	6	0.1	0.4	0.3	55	0.05	0.025
121220	Soil	0.9	17.7	10.7	57	<0.1	20.9	11.2	290	3.24	9.2	1.0	2.1	11.9	11	<0.1	0.6	0.2	52	0.09	0.019
121221	Soil	0.7	19.6	9.9	51	<0.1	17.4	10.5	287	3.34	8.3	1.1	1.6	13.9	9	<0.1	0.6	0.2	48	0.08	0.021
121222	Soil	1.3	8.3	9.8	63	<0.1	9.5	5.8	317	3.31	8.8	0.9	0.5	9.1	9	<0.1	0.7	0.3	61	0.09	0.044
121223	Soil	0.7	18.6	7.3	53	<0.1	20.2	9.2	353	2.90	8.7	1.5	1.8	18.1	18	<0.1	0.5	0.2	47	0.23	0.045
121224	Soil	1.0	18.5	15.4	83	<0.1	8.0	10.3	564	5.68	5.0	2.5	<0.5	17.5	8	0.2	0.7	0.5	92	0.20	0.108
121225	Soil	0.8	25.9	9.9	54	<0.1	19.2	9.4	337	3.01	9.3	2.6	3.1	20.5	15	<0.1	0.7	0.2	52	0.15	0.032
121226	Soil	0.9	6.5	7.3	48	<0.1	6.1	5.1	250	2.75	5.2	1.3	<0.5	11.5	6	<0.1	0.4	0.1	41	0.05	0.025
121227	Soil	0.7	5.5	8.4	51	<0.1	5.0	3.5	345	2.39	2.8	1.6	0.7	27.4	29	<0.1	0.6	0.3	15	0.07	0.014
121228	Soil	0.8	15.1	8.5	69	<0.1	17.3	9.8	371	3.15	8.4	1.1	1.1	14.2	14	<0.1	0.6	0.2	48	0.12	0.024
121229	Soil	0.8	12.5	9.2	108	<0.1	6.2	8.9	674	4.21	5.9	1.2	<0.5	17.8	6	<0.1	0.3	0.2	55	0.17	0.091
121230	Soil	0.6	8.6	9.6	80	<0.1	9.0	7.4	495	3.42	5.0	0.9	0.8	14.4	7	<0.1	0.4	0.4	36	0.12	0.048
121231	Soil	0.6	10.9	10.3	70	<0.1	7.1	6.0	411	3.78	3.8	2.1	<0.5	17.6	10	<0.1	0.3	0.3	25	0.16	0.063
121232	Soil	0.7	18.4	8.0	58	<0.1	16.7	8.1	313	2.57	6.6	1.8	1.6	12.0	18	0.1	0.6	0.1	40	0.18	0.024
121233	Soil	0.6	9.3	7.2	55	<0.1	11.2	5.6	282	2.67	5.2	1.3	1.4	10.4	12	<0.1	0.3	0.2	37	0.13	0.030
121234	Soil	0.6	7.8	6.4	42	<0.1	9.7	5.5	250	2.40	4.8	1.4	1.6	10.3	12	<0.1	0.3	0.1	34	0.14	0.037
121235	Soil	0.6	12.9	9.7	61	<0.1	12.0	6.8	277	2.68	5.6	1.2	1.0	12.7	11	<0.1	0.4	0.2	39	0.14	0.033
121236	Soil	0.9	11.8	9.2	52	<0.1	10.0	5.5	248	2.76	5.9	1.0	0.9	8.2	15	<0.1	0.4	0.2	47	0.15	0.038
121237	Soil	0.9	10.3	9.4	59	<0.1	10.6	6.4	281	2.84	8.1	0.8	0.8	8.0	13	<0.1	0.5	0.2	49	0.15	0.040
121238	Soil	0.7	11.5	8.1	51	<0.1	8.3	5.9	265	2.38	5.3	1.7	<0.5	13.0	11	<0.1	0.8	0.2	31	0.14	0.033
121239	Soil	0.7	13.0	9.3	61	<0.1	9.4	6.1	302	2.07	4.2	1.5	<0.5	13.7	14	<0.1	1.6	0.1	24	0.14	0.039
121240	Soil	0.6	11.9	9.4	68	<0.1	9.2	7.2	409	2.36	3.8	1.9	<0.5	15.2	21	<0.1	1.4	0.1	25	0.15	0.042
121241	Soil	0.6	10.8	5.8	58	<0.1	9.7	5.9	255	2.44	4.5	1.3	0.9	10.2	18	<0.1	1.4	0.1	34	0.17	0.038
121242	Soil	0.9	20.4	9.8	54	0.1	13.2	5.9	181	2.71	7.2	2.8	1.8	14.8	19	<0.1	0.8	0.2	43	0.21	0.049
112145	Soil	1.7	25.0	12.7	55	<0.1	23.4	9.8	215	3.71	11.6	0.8	3.2	7.0	10	<0.1	0.9	0.2	64	0.08	0.025



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
121217	Soil	103	27	1.08	687	0.070	1	1.62	0.009	0.52	0.2	<0.01	7.4	0.3	<0.05	9	<0.5	<0.2
121218	Soil	5	19	0.98	214	0.159	1	1.69	0.008	0.60	0.1	0.07	5.3	0.5	<0.05	9	<0.5	<0.2
121219	Soil	13	28	1.06	288	0.164	1	2.14	0.006	0.76	0.1	0.06	9.6	0.7	<0.05	10	<0.5	<0.2
121220	Soil	14	33	0.75	223	0.113	1	2.40	0.009	0.25	0.2	0.03	4.4	0.2	<0.05	7	0.5	<0.2
121221	Soil	24	30	0.90	251	0.151	1	2.23	0.009	0.38	0.1	0.04	5.5	0.3	<0.05	8	<0.5	<0.2
121222	Soil	10	23	0.92	246	0.142	1	1.91	0.008	0.27	0.2	0.01	4.6	0.2	<0.05	10	<0.5	<0.2
121223	Soil	71	28	0.88	422	0.130	1	1.77	0.010	0.25	0.2	0.02	6.6	0.2	<0.05	7	0.6	<0.2
121224	Soil	27	26	1.64	915	0.201	1	3.16	0.010	0.80	0.1	<0.01	8.0	0.4	<0.05	14	0.8	<0.2
121225	Soil	106	34	0.88	396	0.111	<1	2.13	0.011	0.28	0.1	0.04	7.4	0.2	<0.05	7	0.5	<0.2
121226	Soil	15	14	0.71	207	0.175	<1	1.55	0.007	0.38	0.1	0.02	3.7	0.3	<0.05	9	<0.5	<0.2
121227	Soil	49	8	0.77	285	0.083	3	1.44	0.007	0.58	<0.1	0.07	4.6	0.4	<0.05	8	0.6	<0.2
121228	Soil	20	30	1.00	389	0.159	<1	2.22	0.009	0.34	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
121229	Soil	14	15	1.94	527	0.286	<1	2.59	0.010	1.20	0.1	0.01	5.1	0.6	<0.05	14	<0.5	<0.2
121230	Soil	13	20	1.80	465	0.264	1	2.48	0.010	0.97	0.1	<0.01	5.2	0.4	<0.05	11	<0.5	<0.2
121231	Soil	54	14	1.95	750	0.269	<1	2.51	0.011	1.39	<0.1	<0.01	4.1	0.6	<0.05	11	<0.5	<0.2
121232	Soil	33	24	0.81	542	0.135	<1	1.54	0.010	0.28	0.1	0.05	3.9	0.2	<0.05	6	<0.5	<0.2
121233	Soil	38	18	0.96	366	0.161	<1	1.69	0.009	0.50	0.1	0.02	3.6	0.3	<0.05	7	<0.5	<0.2
121234	Soil	30	18	0.81	308	0.144	<1	1.51	0.008	0.37	0.1	0.01	3.4	0.2	<0.05	7	<0.5	<0.2
121235	Soil	28	23	0.86	292	0.133	<1	1.72	0.009	0.30	0.1	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
121236	Soil	24	22	0.82	475	0.185	<1	1.79	0.010	0.42	0.2	0.02	3.7	0.3	<0.05	9	<0.5	<0.2
121237	Soil	16	25	0.94	365	0.185	<1	1.74	0.008	0.47	0.2	<0.01	4.2	0.3	<0.05	8	<0.5	<0.2
121238	Soil	34	19	0.94	355	0.154	<1	1.50	0.007	0.66	0.1	0.01	3.4	0.3	<0.05	7	<0.5	<0.2
121239	Soil	50	16	0.89	434	0.130	<1	1.28	0.006	0.62	0.1	0.02	2.9	0.3	<0.05	5	<0.5	<0.2
121240	Soil	50	19	1.18	651	0.147	<1	1.47	0.006	0.88	<0.1	0.01	3.8	0.3	<0.05	6	<0.5	<0.2
121241	Soil	30	19	0.86	492	0.153	1	1.38	0.011	0.60	0.2	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
121242	Soil	54	24	0.69	428	0.131	<1	1.79	0.010	0.25	0.2	0.09	4.6	0.2	<0.05	7	<0.5	<0.2
112145	Soil	14	38	0.51	148	0.086	<1	2.14	0.007	0.07	0.2	0.03	2.7	0.2	<0.05	7	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
120189	Soil	1.5	40.2	18.2	87	0.2	31.5	10.2	441	3.90	27.5	2.3	5.0	11.1	10	<0.1	3.9	0.4	51	0.06	0.027
REP 120189	QC	1.4	36.5	16.2	81	0.2	28.5	9.1	400	3.64	26.2	2.1	3.4	10.2	10	<0.1	3.8	0.3	46	0.05	0.024
120214	Soil	0.9	12.8	20.4	88	0.2	15.2	6.2	206	2.58	12.0	0.6	1.7	5.7	12	0.1	0.8	0.2	52	0.10	0.019
REP 120214	QC	0.9	12.6	19.5	80	0.2	15.1	5.9	198	2.50	11.7	0.6	1.4	5.4	11	0.1	0.8	0.2	53	0.09	0.018
120232	Soil	0.8	31.0	9.4	54	0.1	18.3	8.2	209	2.35	7.8	1.3	1.6	4.4	22	0.1	0.5	0.2	53	0.31	0.046
REP 120232	QC	0.8	29.0	9.1	52	0.1	18.0	8.2	207	2.48	8.0	1.3	1.1	4.1	22	0.1	0.5	0.2	53	0.31	0.043
120236	Soil	1.1	45.1	9.5	53	<0.1	21.8	10.8	222	2.85	9.2	0.7	3.7	4.8	18	<0.1	0.5	0.2	65	0.25	0.023
REP 120236	QC	1.1	45.3	9.7	57	<0.1	22.2	10.9	223	2.76	9.2	0.7	4.7	5.0	18	0.1	0.5	0.2	69	0.25	0.022
121189	Soil	0.4	12.7	14.1	34	<0.1	9.7	4.6	360	1.72	6.5	2.6	1.9	35.4	16	<0.1	1.0	0.4	21	0.16	0.014
REP 121189	QC	0.4	12.6	13.6	32	<0.1	9.6	4.5	355	1.72	6.5	2.5	2.3	34.7	16	<0.1	0.9	0.4	21	0.16	0.016
121192	Soil	1.1	18.4	27.9	81	<0.1	17.0	8.9	806	2.45	45.5	9.3	1.7	33.8	15	0.1	2.5	0.6	27	0.15	0.054
REP 121192	QC	1.1	18.3	27.3	79	<0.1	15.9	8.5	780	2.43	44.5	8.9	1.5	31.5	14	0.2	2.5	0.5	26	0.15	0.055
121216	Soil	1.1	16.3	13.8	60	<0.1	21.3	10.6	334	3.68	12.4	1.3	1.5	17.0	11	0.1	0.7	0.2	55	0.09	0.037
REP 121216	QC	1.3	16.0	13.6	59	<0.1	21.5	10.7	349	3.71	12.3	1.3	2.0	16.8	11	0.1	0.7	0.2	56	0.09	0.037
121227	Soil	0.7	5.5	8.4	51	<0.1	5.0	3.5	345	2.39	2.8	1.6	0.7	27.4	29	<0.1	0.6	0.3	15	0.07	0.014
REP 121227	QC	0.7	6.0	8.2	52	<0.1	5.4	3.8	364	2.64	2.8	1.7	<0.5	29.2	29	<0.1	0.5	0.3	17	0.07	0.013
Reference Materials																					
STD DS8	Standard	12.8	119.1	124.8	330	1.8	36.9	7.2	603	2.44	26.1	3.0	107.9	7.2	70	2.4	6.0	6.7	40	0.67	0.075
STD DS8	Standard	12.9	114.5	127.3	317	1.8	35.6	7.0	601	2.37	25.3	2.9	120.3	7.2	73	2.8	5.8	6.5	40	0.65	0.073
STD DS8	Standard	12.7	113.9	126.7	321	1.8	35.7	7.2	578	2.34	25.5	2.9	114.3	7.2	66	2.5	5.7	6.3	39	0.66	0.077
STD DS8	Standard	13.5	125.1	134.4	340	1.8	38.8	7.8	641	2.58	26.6	2.9	125.4	7.3	71	2.5	5.9	6.5	43	0.71	0.082
STD DS8	Standard	12.8	119.5	132.0	334	1.8	39.2	7.6	620	2.49	25.0	2.8	116.8	7.2	72	2.8	6.1	6.8	42	0.72	0.081
STD DS8	Standard	13.4	120.6	127.2	334	1.8	39.7	7.6	647	2.52	25.8	2.9	108.3	7.3	73	2.4	6.1	6.8	42	0.72	0.079
STD DS8	Standard	14.2	118.8	121.2	332	1.8	42.4	8.1	666	2.55	26.3	2.8	115.0	7.0	65	2.4	5.6	6.2	47	0.71	0.077
STD DS8	Standard	14.4	121.3	127.4	330	1.9	41.5	8.1	651	2.55	26.7	2.8	139.1	7.4	66	2.5	5.3	6.5	48	0.71	0.080
STD DS8	Standard	14.7	117.9	131.2	333	1.8	39.4	7.9	628	2.46	28.4	3.0	113.2	7.7	75	2.6	6.3	7.6	44	0.66	0.080
STD DS8	Standard	14.8	117.2	132.6	341	1.8	41.9	7.9	655	2.68	27.3	3.0	123.1	7.5	75	2.5	6.4	7.2	45	0.72	0.083
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08



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Part 2

QUALITY CONTROL REPORT

WHI11000288.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
120189	Soil	19	28	0.30	225	0.028	1	1.49	0.004	0.05	<0.1	0.17	6.6	0.3	<0.05	4	0.9	<0.2
REP 120189	QC	19	26	0.29	214	0.029	1	1.44	0.004	0.04	0.1	0.15	5.8	0.3	<0.05	4	0.5	<0.2
120214	Soil	14	27	0.36	278	0.049	<1	1.62	0.006	0.06	<0.1	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
REP 120214	QC	13	28	0.33	264	0.048	<1	1.53	0.006	0.06	<0.1	<0.01	2.4	0.2	<0.05	5	<0.5	<0.2
120232	Soil	16	26	0.47	355	0.058	1	1.44	0.008	0.06	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
REP 120232	QC	16	26	0.46	353	0.056	<1	1.42	0.008	0.06	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
120236	Soil	13	33	0.55	288	0.069	<1	1.71	0.009	0.05	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
REP 120236	QC	13	34	0.56	288	0.069	<1	1.74	0.009	0.05	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
121189	Soil	51	15	0.41	174	0.045	<1	1.25	0.005	0.22	0.2	0.03	3.6	0.3	<0.05	5	<0.5	<0.2
REP 121189	QC	53	15	0.41	181	0.042	<1	1.23	0.006	0.22	0.1	0.02	3.5	0.3	<0.05	5	<0.5	<0.2
121192	Soil	118	25	0.37	212	0.039	2	1.19	0.006	0.14	0.5	0.05	2.7	0.2	<0.05	5	<0.5	<0.2
REP 121192	QC	111	25	0.36	201	0.038	<1	1.16	0.006	0.14	0.5	0.05	2.5	0.2	<0.05	5	<0.5	<0.2
121216	Soil	15	38	0.61	190	0.077	2	2.77	0.007	0.10	0.2	0.04	4.0	0.1	<0.05	6	0.6	<0.2
REP 121216	QC	15	38	0.60	198	0.077	2	2.80	0.008	0.10	0.2	0.04	4.1	0.1	<0.05	6	0.5	<0.2
121227	Soil	49	8	0.77	285	0.083	3	1.44	0.007	0.58	<0.1	0.07	4.6	0.4	<0.05	8	0.6	<0.2
REP 121227	QC	50	8	0.79	302	0.092	2	1.48	0.007	0.60	<0.1	0.06	4.9	0.4	<0.05	8	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	114	0.61	296	0.123	3	0.90	0.080	0.41	3.0	0.20	2.1	5.6	0.18	5	6.0	5.3
STD DS8	Standard	15	111	0.61	301	0.122	3	0.91	0.083	0.40	2.9	0.20	2.1	5.6	0.14	5	5.5	5.6
STD DS8	Standard	13	113	0.59	272	0.117	3	0.87	0.086	0.40	2.9	0.21	2.0	5.4	0.18	4	6.0	5.2
STD DS8	Standard	14	121	0.62	295	0.126	2	0.94	0.095	0.43	3.2	0.21	2.2	5.9	0.15	5	5.1	5.3
STD DS8	Standard	14	120	0.63	293	0.125	2	0.92	0.088	0.43	3.0	0.21	2.1	5.6	0.15	5	5.2	5.3
STD DS8	Standard	16	120	0.62	297	0.130	2	0.94	0.089	0.42	3.0	0.19	2.2	5.6	0.14	5	5.5	4.8
STD DS8	Standard	15	130	0.65	288	0.128	2	0.93	0.088	0.43	3.3	0.23	1.9	5.5	0.16	5	6.7	5.7
STD DS8	Standard	15	131	0.66	281	0.130	3	0.97	0.092	0.42	3.3	0.20	2.1	5.7	0.12	5	5.9	5.5
STD DS8	Standard	16	120	0.62	295	0.129	2	0.88	0.080	0.42	3.1	0.21	2.0	5.8	0.18	5	5.7	5.0
STD DS8	Standard	16	125	0.62	308	0.134	2	0.94	0.086	0.44	3.1	0.21	2.1	5.5	0.20	5	5.9	5.5
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

WHI11000288.1

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

Receiving Lab: Canada-Whitehorse

Received: August 04, 2011

Report Date: September 12, 2011

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CERTIFICATE OF ANALYSIS

WHI11000826.1

CLIENT JOB INFORMATION

Project: Wounded Moose
Shipment ID: 20110729143651
P.O. Number
Number of Samples: 319

SAMPLE DISPOSAL

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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	317	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	317	Dry at 60C			VAN
1DX2	317	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

Wounded Moose

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CERTIFICATE OF ANALYSIS

WHI11000826.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
100446	Soil	0.9	12.4	10.3	80	<0.1	22.5	12.0	563	3.42	34.9	1.2	2.0	5.7	23	<0.1	0.8	0.2	67	0.33	0.118
100447	Soil	0.8	11.0	8.6	60	<0.1	11.9	7.5	292	2.55	10.3	0.9	3.2	4.0	22	<0.1	0.4	0.2	55	0.24	0.055
100448	Soil	0.8	14.6	11.1	78	<0.1	18.1	11.4	444	3.37	13.4	1.1	1.8	8.2	19	0.1	0.5	0.2	61	0.22	0.064
100449	Soil	0.7	11.2	9.7	64	<0.1	14.4	7.5	263	2.56	9.7	1.1	1.8	3.3	20	<0.1	0.4	0.2	50	0.20	0.061
100450	Soil	0.7	10.7	9.1	60	<0.1	14.3	7.2	279	2.48	9.2	0.9	1.7	3.0	15	<0.1	0.4	0.2	53	0.15	0.046
100451	Soil	0.9	13.3	9.9	60	<0.1	16.9	9.5	312	2.95	10.6	0.8	1.7	4.9	15	<0.1	0.5	0.2	54	0.18	0.046
100452	Soil	0.7	9.6	9.5	52	<0.1	12.0	7.4	271	2.61	9.6	0.8	1.3	5.6	15	<0.1	0.4	0.1	55	0.19	0.047
101730	Soil	0.5	8.4	15.2	44	<0.1	5.9	2.8	150	1.41	3.4	2.0	1.4	19.5	7	<0.1	1.0	0.2	18	0.07	0.008
101731	Soil	0.7	17.5	14.0	68	<0.1	17.4	7.6	232	2.64	11.7	1.3	<0.5	12.5	10	0.1	0.9	0.4	44	0.09	0.020
101732	Soil	1.0	29.5	8.9	84	0.2	29.1	16.0	505	4.23	72.8	5.8	4.2	15.0	30	<0.1	5.1	0.2	67	0.69	0.090
101733	Soil	0.7	24.3	11.1	83	0.2	21.2	12.0	595	3.41	40.2	3.3	1.9	6.8	34	0.2	1.9	0.2	44	0.80	0.073
101734	Soil	0.7	26.7	14.0	68	<0.1	23.1	9.2	211	3.26	8.6	2.7	1.5	7.3	15	0.1	1.0	0.3	44	0.26	0.044
101735	Soil	0.5	24.7	11.8	80	<0.1	25.8	12.8	341	3.38	7.7	1.5	<0.5	15.9	12	<0.1	1.1	0.3	41	0.20	0.060
101736	Soil	0.6	18.1	12.8	71	<0.1	20.2	12.3	424	3.29	12.0	0.8	2.3	11.8	11	<0.1	0.9	0.2	39	0.18	0.052
101737	Soil	0.5	27.5	12.3	84	<0.1	24.9	11.6	439	3.32	10.9	1.3	2.0	12.9	12	0.1	0.6	0.3	38	0.21	0.058
101738	Soil	0.7	23.0	13.3	72	0.1	22.5	11.9	389	3.01	7.7	1.7	4.8	10.0	14	<0.1	0.9	0.3	40	0.24	0.053
101739	Soil	0.6	14.6	11.7	67	<0.1	16.3	9.2	395	2.75	15.8	1.0	1.2	8.5	18	0.1	1.3	0.2	39	0.43	0.048
101740	Soil	0.7	18.3	12.5	68	<0.1	18.0	10.0	383	2.93	16.8	1.3	0.9	9.7	19	<0.1	1.4	0.2	42	0.43	0.050
101741	Soil	0.7	17.4	15.4	65	0.1	18.6	10.4	616	2.71	30.8	1.2	1.0	9.6	24	<0.1	3.0	0.2	31	0.54	0.068
101742	Soil	1.0	23.2	12.9	86	0.1	23.2	10.2	515	2.76	64.7	1.0	3.3	7.3	38	0.2	26.7	0.2	40	0.29	0.056
101743	Soil	0.8	40.0	10.7	82	0.3	27.2	8.9	468	2.46	48.9	2.4	7.2	3.9	28	0.4	13.6	0.2	42	1.01	0.073
101744	Soil	0.8	22.9	10.7	72	0.3	22.4	10.3	559	2.75	18.1	1.8	3.0	8.3	21	0.2	2.7	0.2	52	0.53	0.061
101745	Soil	0.8	18.6	14.2	59	0.1	17.7	11.8	527	2.59	12.9	1.8	1.0	8.7	23	0.1	1.7	0.2	55	0.32	0.045
101746	Soil	1.1	10.1	7.8	48	<0.1	10.9	6.3	325	2.38	9.2	0.7	1.4	3.5	14	0.1	0.5	0.3	60	0.14	0.034
101747	Soil	1.1	16.8	16.1	64	0.1	17.2	9.4	352	3.28	11.9	1.9	<0.5	8.3	16	<0.1	0.6	0.3	64	0.16	0.052
101748	Soil	0.6	17.9	8.0	51	<0.1	15.2	7.9	285	2.48	5.1	1.8	3.4	13.8	19	<0.1	0.5	0.1	48	0.30	0.055
101749	Soil	0.4	22.7	8.4	58	0.2	36.9	14.8	564	2.82	4.8	1.7	2.9	8.6	26	0.1	0.5	0.1	66	0.61	0.082
101750	Soil	0.6	18.5	10.7	50	0.1	15.9	6.8	273	2.03	12.9	1.1	2.3	6.5	21	0.1	2.0	0.2	37	0.28	0.040
101751	Soil	0.6	22.1	11.9	56	0.1	19.3	9.9	411	2.71	15.8	2.2	1.4	9.8	19	<0.1	3.7	0.2	40	0.42	0.051
101752	Soil	0.7	20.5	12.6	78	0.2	19.8	10.6	706	2.72	32.9	1.2	0.6	5.9	29	0.2	6.5	0.2	39	0.80	0.070



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
100446	Soil	31	49	1.14	183	0.092	1	2.42	0.008	0.68	0.2	0.03	3.2	0.5	<0.05	7	<0.5	<0.2
100447	Soil	26	25	0.69	165	0.099	1	1.59	0.008	0.35	0.1	0.03	1.9	0.3	<0.05	6	<0.5	<0.2
100448	Soil	31	32	0.81	197	0.102	1	2.22	0.008	0.36	0.2	0.02	2.7	0.3	<0.05	6	0.7	<0.2
100449	Soil	27	30	0.68	147	0.068	1	1.74	0.007	0.25	0.2	0.03	2.0	0.2	<0.05	6	<0.5	<0.2
100450	Soil	21	27	0.60	125	0.072	<1	1.57	0.007	0.24	0.1	0.03	1.8	0.3	<0.05	6	0.5	<0.2
100451	Soil	21	32	0.66	157	0.072	1	1.79	0.007	0.15	0.2	0.02	2.1	0.2	<0.05	5	0.5	<0.2
100452	Soil	18	25	0.65	123	0.079	<1	1.64	0.007	0.20	0.1	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
101730	Soil	43	10	0.21	106	0.031	<1	0.83	0.004	0.09	0.2	0.04	2.0	0.2	<0.05	3	1.0	<0.2
101731	Soil	21	30	0.54	146	0.082	1	1.86	0.005	0.27	0.3	<0.01	2.9	0.3	<0.05	6	<0.5	<0.2
101732	Soil	81	91	1.44	626	0.179	1	2.83	0.010	0.88	0.2	0.07	6.6	0.4	<0.05	9	0.7	<0.2
101733	Soil	26	27	0.49	398	0.052	2	1.09	0.010	0.17	0.1	0.05	4.6	0.2	0.10	4	1.0	<0.2
101734	Soil	43	29	0.55	204	0.100	1	1.78	0.008	0.33	0.1	0.02	3.6	0.3	<0.05	6	0.8	<0.2
101735	Soil	32	34	0.76	195	0.143	<1	1.93	0.006	0.61	0.1	<0.01	3.7	0.5	<0.05	6	<0.5	<0.2
101736	Soil	24	28	0.57	152	0.131	<1	1.60	0.006	0.41	0.1	<0.01	2.7	0.4	<0.05	5	0.7	<0.2
101737	Soil	39	28	0.55	194	0.124	<1	1.52	0.006	0.46	0.1	<0.01	3.4	0.4	<0.05	5	<0.5	<0.2
101738	Soil	36	27	0.53	218	0.099	<1	1.60	0.007	0.24	0.2	0.04	3.9	0.3	<0.05	5	0.5	<0.2
101739	Soil	23	25	0.51	242	0.080	1	1.40	0.008	0.15	0.1	0.02	3.0	0.2	<0.05	5	0.6	<0.2
101740	Soil	32	27	0.52	274	0.087	<1	1.50	0.008	0.17	0.2	0.02	3.4	0.2	<0.05	5	0.6	<0.2
101741	Soil	28	21	0.37	276	0.037	1	1.16	0.006	0.14	0.1	0.04	3.6	0.3	<0.05	4	<0.5	<0.2
101742	Soil	17	23	0.26	291	0.036	1	0.97	0.006	0.11	0.1	0.03	4.1	0.3	<0.05	3	0.7	<0.2
101743	Soil	37	26	0.32	357	0.026	3	1.22	0.010	0.05	0.2	0.19	5.3	0.2	<0.05	4	1.2	<0.2
101744	Soil	32	32	0.39	398	0.044	2	1.70	0.009	0.06	0.2	0.13	6.8	0.3	<0.05	5	0.8	<0.2
101745	Soil	33	31	0.39	373	0.036	<1	1.57	0.007	0.06	0.1	0.13	5.9	0.2	<0.05	5	0.8	<0.2
101746	Soil	16	26	0.34	146	0.069	<1	1.13	0.006	0.08	0.2	0.03	3.0	0.2	<0.05	6	<0.5	<0.2
101747	Soil	22	36	0.48	277	0.057	2	2.16	0.007	0.08	0.1	0.02	4.7	0.2	<0.05	8	0.5	<0.2
101748	Soil	59	29	0.46	237	0.065	1	1.50	0.008	0.09	0.2	0.05	5.8	0.2	<0.05	6	<0.5	<0.2
101749	Soil	52	66	0.70	353	0.054	2	1.63	0.012	0.09	0.1	0.06	7.3	0.2	<0.05	5	0.7	<0.2
101750	Soil	18	22	0.31	269	0.032	<1	1.17	0.007	0.06	0.1	0.09	3.2	0.1	<0.05	4	<0.5	<0.2
101751	Soil	27	26	0.43	329	0.063	1	1.44	0.008	0.12	0.1	0.07	4.6	0.2	<0.05	5	<0.5	<0.2
101752	Soil	18	24	0.43	301	0.058	1	1.37	0.009	0.17	0.2	0.03	3.8	0.2	<0.05	4	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
101753	Soil	0.6	22.3	11.2	69	<0.1	23.7	10.4	422	2.87	13.7	1.6	0.8	10.3	17	<0.1	8.9	0.2	38	0.34	0.051
101754	Soil	0.7	22.1	12.7	71	<0.1	22.8	11.1	346	3.25	7.8	1.4	1.5	10.4	15	<0.1	1.5	0.3	42	0.27	0.041
101755	Soil	0.6	22.7	14.4	75	<0.1	24.5	14.1	529	3.46	7.6	1.6	<0.5	13.1	14	<0.1	0.5	0.2	39	0.26	0.054
101756	Soil	0.6	21.7	14.4	78	<0.1	24.6	16.8	970	3.07	13.1	1.2	0.9	13.5	12	<0.1	1.1	0.3	28	0.17	0.059
101757	Soil	0.7	16.4	13.6	61	<0.1	18.2	11.9	369	3.01	13.2	1.0	<0.5	9.7	13	<0.1	0.6	0.2	40	0.13	0.027
101758	Soil	0.7	23.5	14.3	55	0.1	19.1	7.8	206	3.01	9.4	1.8	0.6	10.8	14	<0.1	0.6	0.2	41	0.13	0.029
101759	Soil	0.6	21.8	15.0	76	<0.1	22.8	11.1	279	3.34	10.2	1.4	1.2	16.5	11	<0.1	1.6	0.4	39	0.13	0.046
101760	Soil	1.2	27.0	15.0	82	<0.1	28.8	13.2	333	3.62	16.1	1.6	4.4	16.8	13	0.2	3.4	0.4	45	0.16	0.052
101761	Soil	0.8	18.8	12.0	62	<0.1	38.9	10.2	218	2.73	11.1	1.3	1.9	10.7	16	<0.1	1.9	0.2	44	0.16	0.049
101762	Soil	0.5	17.7	9.4	54	<0.1	80.9	16.6	244	2.76	8.2	0.9	1.3	7.8	20	<0.1	1.0	0.1	61	0.27	0.056
101763	Soil	0.6	16.8	9.0	52	<0.1	47.0	11.0	225	2.66	9.4	1.2	2.3	5.3	22	<0.1	1.0	0.2	55	0.28	0.045
101764	Soil	0.5	25.0	14.3	81	0.2	20.4	10.9	383	2.41	14.8	3.0	2.2	9.3	29	0.2	2.3	0.3	39	0.57	0.052
101765	Soil	0.6	36.8	31.5	117	<0.1	38.4	18.2	569	5.19	90.6	3.7	2.5	28.6	10	0.1	2.0	0.6	37	0.18	0.073
101766	Soil	1.2	33.3	19.1	74	0.3	23.7	11.0	295	3.11	40.7	1.9	5.3	8.7	17	0.1	2.1	0.3	59	0.09	0.028
101767	Soil	0.9	20.1	14.5	109	<0.1	18.9	13.7	629	4.42	18.6	1.7	1.9	19.4	33	<0.1	1.0	0.1	83	0.44	0.124
101768	Soil	1.0	14.0	12.1	58	<0.1	15.5	8.8	260	2.76	9.4	0.9	2.0	5.4	17	0.2	0.7	0.2	58	0.15	0.046
101769	Soil	1.0	11.5	14.0	58	<0.1	15.9	8.9	279	3.35	11.2	0.9	1.3	9.5	14	<0.1	0.8	0.2	57	0.11	0.037
101770	Soil	1.2	16.6	13.8	86	<0.1	18.3	14.6	476	3.54	9.7	1.8	3.3	9.7	21	0.1	0.9	0.2	73	0.18	0.047
101771	Soil	2.0	18.7	16.3	58	0.1	22.9	14.9	376	3.58	13.1	1.3	4.3	14.1	15	0.2	0.9	0.3	69	0.12	0.053
101772	Soil	0.9	16.9	13.5	77	<0.1	19.5	13.2	457	3.47	9.1	1.8	1.5	14.0	20	<0.1	0.7	0.2	73	0.18	0.045
101773	Soil	1.1	32.1	12.8	71	<0.1	25.1	13.6	538	3.37	10.9	2.7	2.8	15.9	24	<0.1	0.9	0.2	62	0.21	0.057
101774	Soil	1.0	18.5	11.5	75	<0.1	24.8	13.9	452	3.10	11.2	1.3	1.3	13.8	18	0.1	0.7	0.2	57	0.20	0.065
101775	Soil	1.1	12.8	13.5	79	<0.1	19.4	11.9	440	3.49	10.9	1.3	1.7	9.1	23	<0.1	0.6	0.2	70	0.22	0.078
101776	Soil	0.8	23.7	12.2	81	<0.1	20.7	14.6	476	3.55	9.4	2.0	1.8	13.8	26	0.1	0.5	0.1	74	0.28	0.070
101777	Soil	1.0	11.7	9.2	72	<0.1	19.3	12.8	437	3.87	8.7	0.7	0.9	5.5	19	0.1	0.5	0.1	78	0.19	0.053
101778	Soil	1.1	24.3	11.7	66	<0.1	20.8	12.7	420	3.03	9.5	1.9	2.4	10.6	25	<0.1	0.8	0.2	59	0.23	0.047
101779	Soil	1.0	14.7	11.2	74	<0.1	30.6	13.9	490	3.87	8.1	0.7	0.7	5.2	19	0.1	0.5	0.1	76	0.17	0.052
101780	Soil	0.7	17.0	11.3	65	<0.1	19.2	11.3	409	2.85	9.4	1.3	2.3	13.4	26	<0.1	0.6	0.2	55	0.26	0.064
101781	Soil	0.9	9.6	12.2	53	<0.1	14.1	8.4	242	2.62	8.2	0.7	2.6	6.6	15	0.1	0.5	0.2	63	0.13	0.040
101782	Soil	0.9	14.8	12.6	59	<0.1	17.5	9.6	257	3.13	9.4	1.2	3.2	8.0	19	<0.1	0.6	0.2	60	0.16	0.042



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
101753	Soil	37	26	0.53	270	0.088	<1	1.54	0.007	0.22	0.1	0.02	4.0	0.3	<0.05	5	<0.5
101754	Soil	34	28	0.60	190	0.117	<1	1.70	0.007	0.41	0.1	0.01	3.7	0.3	<0.05	6	0.5
101755	Soil	40	29	0.60	205	0.137	<1	1.66	0.007	0.52	0.1	0.02	3.9	0.5	<0.05	6	0.5
101756	Soil	41	21	0.39	128	0.081	<1	1.14	0.005	0.37	<0.1	<0.01	3.2	0.4	<0.05	4	<0.5
101757	Soil	23	26	0.46	159	0.074	<1	1.62	0.006	0.16	0.1	<0.01	3.2	0.3	<0.05	5	<0.5
101758	Soil	43	28	0.47	211	0.091	<1	1.70	0.006	0.22	0.1	0.02	3.5	0.3	<0.05	6	0.6
101759	Soil	31	29	0.62	121	0.179	<1	1.74	0.006	0.49	<0.1	<0.01	2.6	0.5	<0.05	6	0.6
101760	Soil	38	49	0.77	200	0.206	2	1.90	0.008	0.64	<0.1	0.02	3.5	0.5	<0.05	5	0.7
101761	Soil	28	77	0.75	143	0.145	2	1.72	0.008	0.30	0.1	0.02	2.7	0.3	<0.05	5	0.7
101762	Soil	21	276	1.87	530	0.195	1	2.30	0.012	0.63	0.2	<0.01	2.4	0.3	<0.05	6	<0.5
101763	Soil	22	135	1.09	282	0.146	<1	1.78	0.011	0.22	0.2	0.02	2.5	0.2	<0.05	5	0.7
101764	Soil	32	23	0.58	275	0.088	2	1.21	0.011	0.21	0.1	0.06	4.3	0.3	<0.05	4	1.1
101765	Soil	53	31	0.79	146	0.138	1	2.12	0.005	0.71	<0.1	0.02	2.8	0.6	<0.05	6	0.6
101766	Soil	24	32	0.60	223	0.067	<1	2.17	0.008	0.08	0.2	0.18	4.2	0.2	<0.05	5	1.0
101767	Soil	45	33	1.25	470	0.194	1	3.15	0.008	1.07	0.1	0.03	6.4	0.8	<0.05	9	0.6
101768	Soil	16	24	0.63	173	0.103	<1	1.96	0.010	0.16	0.1	0.04	2.1	0.2	<0.05	6	0.7
101769	Soil	14	30	0.66	117	0.099	2	2.68	0.008	0.20	0.2	0.03	2.4	0.3	<0.05	5	<0.5
101770	Soil	22	35	0.90	226	0.163	1	2.79	0.011	0.41	0.1	0.03	4.0	0.4	<0.05	6	1.0
101771	Soil	16	47	0.62	158	0.079	1	3.57	0.012	0.07	0.2	0.05	3.9	0.2	<0.05	5	0.8
101772	Soil	31	37	1.01	194	0.181	<1	2.70	0.012	0.41	0.1	0.04	3.7	0.4	<0.05	6	0.6
101773	Soil	41	35	0.77	227	0.128	<1	2.42	0.012	0.27	0.2	0.05	5.3	0.3	<0.05	5	0.6
101774	Soil	16	30	0.73	146	0.121	<1	2.33	0.010	0.28	0.2	0.02	2.8	0.3	<0.05	5	<0.5
101775	Soil	18	32	0.87	179	0.144	<1	2.35	0.011	0.48	0.1	0.01	3.1	0.4	<0.05	6	<0.5
101776	Soil	37	39	1.18	226	0.184	<1	2.59	0.011	0.75	0.2	0.02	2.9	0.6	<0.05	7	0.6
101777	Soil	13	42	1.21	183	0.222	1	2.78	0.011	0.40	0.2	0.02	1.8	0.3	<0.05	7	<0.5
101778	Soil	61	32	0.79	256	0.120	<1	2.11	0.012	0.24	0.2	0.04	3.7	0.2	<0.05	5	0.7
101779	Soil	10	68	1.10	156	0.196	<1	2.76	0.009	0.37	0.2	0.02	2.2	0.3	<0.05	7	0.6
101780	Soil	30	28	0.75	221	0.117	1	2.01	0.011	0.22	0.2	<0.01	2.4	0.3	<0.05	5	0.6
101781	Soil	12	28	0.61	132	0.132	<1	2.01	0.010	0.16	0.2	0.02	1.9	0.2	<0.05	7	<0.5
101782	Soil	21	30	0.64	168	0.114	1	2.10	0.010	0.15	0.1	0.03	2.5	0.2	<0.05	6	0.7



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Project:

Wounded Moose

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
101783	Soil	0.9	12.1	11.8	56	<0.1	15.7	8.5	238	2.70	9.1	1.4	2.0	11.0	19	<0.1	0.5	0.2	57	0.16	0.035
101784	Soil	0.7	18.4	10.7	56	<0.1	19.1	12.0	391	2.73	9.6	1.5	2.8	10.2	19	<0.1	0.6	0.2	54	0.17	0.039
101785	Soil	0.7	20.7	11.4	68	<0.1	19.9	13.3	445	3.21	7.7	1.8	2.0	12.0	26	<0.1	0.6	0.1	64	0.29	0.059
101786	Soil	0.6	18.0	11.2	70	<0.1	24.9	13.8	360	3.03	10.8	1.0	1.5	9.2	19	0.1	0.7	0.2	58	0.20	0.052
101787	Soil	1.0	18.9	11.9	50	<0.1	18.5	9.7	301	2.74	9.7	1.6	3.3	11.0	16	<0.1	0.6	0.2	55	0.13	0.027
101788	Soil	1.2	10.0	11.9	49	<0.1	15.2	9.0	266	3.03	9.1	0.9	2.1	7.3	14	<0.1	0.6	0.2	66	0.13	0.035
101789	Soil	0.9	15.0	11.5	65	<0.1	23.8	14.4	412	3.16	8.7	1.1	1.4	8.6	21	<0.1	0.6	0.1	64	0.22	0.059
101790	Soil	0.9	19.0	11.9	61	<0.1	20.9	11.3	281	2.88	10.8	1.3	3.3	11.1	17	0.1	0.8	0.2	53	0.14	0.042
101791	Soil	0.8	18.7	11.0	72	<0.1	19.3	14.8	418	3.01	8.7	1.0	2.6	7.3	21	<0.1	0.6	0.2	58	0.20	0.067
101792	Soil	0.9	12.6	11.1	45	<0.1	14.3	7.9	242	2.49	10.0	1.0	1.2	8.2	15	<0.1	0.6	0.2	57	0.13	0.031
101793	Soil	0.9	9.9	11.4	55	<0.1	13.6	11.0	338	3.22	8.9	0.9	1.0	6.7	32	<0.1	0.5	0.2	69	0.23	0.050
101794	Soil	0.7	18.6	11.8	77	<0.1	21.7	14.2	469	3.57	8.4	1.5	0.8	10.6	22	<0.1	0.5	<0.1	70	0.29	0.077
101795	Soil	1.0	18.0	10.9	55	<0.1	16.0	8.4	255	2.87	10.5	0.9	<0.5	5.2	13	<0.1	0.5	0.2	54	0.13	0.043
101796	Soil	0.9	21.7	10.7	64	<0.1	21.1	12.3	350	3.03	10.4	1.3	1.9	7.6	14	<0.1	0.6	0.1	53	0.17	0.047
101797	Soil	0.9	18.0	11.5	59	<0.1	19.0	11.5	376	2.83	10.8	1.5	1.8	7.4	15	<0.1	0.5	0.1	56	0.17	0.047
101798	Soil	0.6	15.2	15.8	89	<0.1	14.0	17.4	809	4.32	21.8	2.0	<0.5	10.2	15	<0.1	0.8	<0.1	71	0.37	0.119
101799	Soil	0.6	14.0	10.6	77	<0.1	20.3	14.6	477	3.43	12.3	1.0	<0.5	9.2	26	0.2	0.5	<0.1	63	0.29	0.090
101800	Soil	1.1	14.5	13.0	69	<0.1	17.9	10.6	361	3.40	23.0	1.0	3.4	7.7	13	0.1	0.9	0.1	60	0.12	0.032
101801	Soil	0.7	18.4	12.6	87	<0.1	18.0	11.2	448	3.42	17.5	1.2	1.1	9.3	13	<0.1	0.8	<0.1	54	0.25	0.084
101802	Soil	1.1	26.8	16.5	78	0.1	22.9	9.8	320	2.61	34.4	1.5	2.5	5.7	11	0.1	1.1	0.2	43	0.12	0.055
110614	Soil	0.8	22.3	8.8	54	<0.1	17.3	6.2	237	2.12	8.2	1.5	5.8	7.7	23	0.1	0.5	0.2	39	0.32	0.057
110615	Soil	0.8	31.1	10.9	58	0.2	22.1	7.4	282	2.66	9.0	2.2	3.3	7.6	30	0.1	0.6	0.3	45	0.42	0.056
110616	Soil	1.1	15.1	12.0	60	<0.1	16.0	6.7	226	2.35	5.0	1.5	1.6	12.0	16	0.1	0.4	0.2	35	0.16	0.034
110617	Soil	0.8	28.4	8.4	51	0.1	20.0	6.5	218	2.23	8.7	1.6	2.1	5.8	25	<0.1	0.5	0.2	41	0.32	0.046
110618	Soil	0.9	29.6	9.4	53	0.1	20.3	8.7	286	2.55	9.2	1.6	3.6	4.8	31	0.1	0.6	0.2	50	0.47	0.052
110619	Soil	0.6	31.3	8.1	56	0.1	21.9	7.5	230	2.55	9.6	1.2	2.3	5.9	26	<0.1	0.6	0.2	49	0.38	0.050
110620	Soil	0.5	18.9	8.9	63	<0.1	16.8	7.1	253	2.42	6.7	0.7	3.1	6.1	19	<0.1	0.4	0.1	35	0.30	0.044
110621	Soil	0.9	27.1	8.6	55	<0.1	22.4	8.4	301	2.63	10.8	1.2	5.7	5.1	26	<0.1	0.6	0.2	51	0.41	0.042
110622	Soil	0.9	25.8	10.2	57	0.1	22.2	8.5	309	2.48	12.6	1.4	16.5	5.5	29	0.2	0.7	0.2	43	0.43	0.045
110623	Soil	0.8	29.9	9.7	58	0.1	25.6	7.8	297	2.45	12.3	2.2	3.1	5.4	34	0.1	0.6	0.2	41	0.53	0.057



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
101783	Soil	26	26	0.64	194	0.111	<1	2.02	0.011	0.15	0.2	0.02	2.2	0.3	<0.05	5	<0.5
101784	Soil	23	32	0.66	180	0.106	<1	1.75	0.009	0.13	0.2	0.06	2.6	0.2	<0.05	4	0.7
101785	Soil	40	39	0.99	263	0.157	1	2.22	0.011	0.35	0.2	0.03	3.7	0.4	<0.05	6	0.5
101786	Soil	13	33	0.88	171	0.129	2	2.33	0.009	0.40	0.1	0.02	2.4	0.4	<0.05	5	<0.5
101787	Soil	27	32	0.62	166	0.086	<1	1.94	0.009	0.14	0.2	0.03	3.1	0.2	<0.05	5	0.7
101788	Soil	14	31	0.63	112	0.119	<1	1.93	0.007	0.16	0.1	0.02	1.9	0.2	<0.05	6	0.8
101789	Soil	20	41	0.93	198	0.141	<1	2.52	0.009	0.39	0.1	0.01	2.6	0.4	<0.05	6	0.7
101790	Soil	17	30	0.59	154	0.094	<1	2.21	0.010	0.14	0.2	0.03	2.6	0.2	<0.05	5	0.6
101791	Soil	17	30	0.81	174	0.113	<1	2.18	0.009	0.29	0.1	0.02	2.2	0.3	<0.05	5	1.0
101792	Soil	20	26	0.60	137	0.095	<1	1.70	0.007	0.19	0.1	0.02	2.2	0.2	<0.05	5	0.5
101793	Soil	20	32	0.85	173	0.129	<1	2.50	0.010	0.47	0.2	0.01	2.8	0.4	<0.05	7	1.1
101794	Soil	29	36	1.22	219	0.190	1	2.75	0.011	0.78	0.2	0.02	2.6	0.7	<0.05	7	0.6
101795	Soil	16	29	0.50	130	0.052	<1	1.72	0.013	0.08	0.2	0.05	2.3	0.2	<0.05	5	<0.5
101796	Soil	23	33	0.71	173	0.077	1	2.07	0.009	0.18	0.3	0.05	3.1	0.2	<0.05	5	<0.5
101797	Soil	25	31	0.62	183	0.070	1	1.84	0.010	0.16	0.1	0.04	3.1	0.2	<0.05	5	<0.5
101798	Soil	21	36	1.42	204	0.081	<1	3.40	0.006	1.09	<0.1	0.03	5.2	0.8	<0.05	8	<0.5
101799	Soil	18	34	1.05	210	0.105	<1	2.65	0.009	0.56	0.1	0.02	3.0	0.5	<0.05	6	0.6
101800	Soil	15	34	0.62	182	0.075	1	2.35	0.009	0.13	0.2	0.05	3.1	0.2	<0.05	6	<0.5
101801	Soil	26	28	0.83	240	0.108	<1	2.03	0.007	0.59	0.2	0.04	2.9	0.5	<0.05	6	<0.5
101802	Soil	18	26	0.45	139	0.048	<1	1.41	0.006	0.10	0.2	0.09	2.3	0.2	<0.05	4	<0.5
110614	Soil	25	25	0.37	268	0.045	2	1.15	0.011	0.09	0.2	0.03	3.5	<0.1	<0.05	4	<0.5
110615	Soil	36	31	0.45	416	0.032	1	1.72	0.011	0.11	0.1	0.06	5.3	<0.1	<0.05	5	<0.5
110616	Soil	26	26	0.22	157	0.018	<1	0.87	0.006	0.11	<0.1	<0.01	4.1	0.1	<0.05	3	<0.5
110617	Soil	21	25	0.40	340	0.038	1	1.22	0.011	0.06	0.2	0.03	3.6	<0.1	<0.05	4	<0.5
110618	Soil	23	29	0.51	367	0.034	<1	1.49	0.011	0.06	0.2	0.04	4.4	<0.1	<0.05	5	<0.5
110619	Soil	22	30	0.49	358	0.047	2	1.55	0.012	0.09	0.2	0.04	4.6	<0.1	<0.05	5	<0.5
110620	Soil	15	24	0.55	263	0.053	<1	1.44	0.008	0.22	<0.1	0.01	2.6	0.2	<0.05	5	<0.5
110621	Soil	17	34	0.50	345	0.047	<1	1.65	0.012	0.09	0.2	0.03	4.3	<0.1	<0.05	5	<0.5
110622	Soil	19	27	0.40	417	0.039	<1	1.41	0.012	0.06	0.2	0.03	3.7	<0.1	<0.05	4	<0.5
110623	Soil	24	27	0.43	466	0.035	<1	1.43	0.012	0.07	0.2	0.04	3.9	<0.1	<0.05	4	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
110624	Soil	1.1	26.5	16.1	85	<0.1	29.5	8.1	319	3.10	17.3	1.5	8.7	11.6	20	0.2	0.7	0.3	38	0.29	0.043
110625	Soil	0.5	20.7	8.2	52	<0.1	21.5	9.3	290	2.68	13.4	1.4	1.9	7.3	28	<0.1	0.7	0.2	52	0.40	0.052
110626	Soil	0.7	59.0	9.2	61	<0.1	32.8	14.8	588	3.79	13.6	1.2	12.9	8.3	21	0.1	0.5	0.3	79	0.44	0.045
110627	Soil	1.3	50.7	18.0	89	<0.1	33.8	11.1	542	3.99	51.7	1.9	6.3	17.2	22	<0.1	1.1	0.3	32	0.23	0.039
110628	Soil	1.4	51.7	23.8	126	<0.1	41.8	10.7	617	3.86	20.9	2.0	4.0	15.1	10	0.1	0.7	0.2	62	0.31	0.099
110629	Soil	0.6	28.4	11.3	57	<0.1	26.3	10.0	516	2.48	19.4	0.5	3.2	5.2	26	<0.1	0.8	0.2	44	1.06	0.032
110630	Soil	1.0	37.3	14.2	96	0.2	39.1	11.9	586	2.86	40.8	0.9	5.1	9.6	29	0.2	0.9	0.1	45	3.32	0.055
110631	Soil	2.0	55.0	14.3	98	0.1	42.8	12.9	392	3.69	37.5	1.6	5.2	13.9	26	<0.1	1.3	0.3	40	0.21	0.043
110632	Soil	0.4	17.5	12.1	100	<0.1	30.2	11.4	690	3.36	19.4	0.9	0.7	13.6	11	0.1	0.2	0.2	40	0.45	0.075
110633	Soil	0.9	51.7	5.6	66	0.1	125.5	31.1	1010	5.90	33.8	0.7	3.2	3.6	20	0.1	1.1	0.1	121	4.31	0.081
110634	Soil	1.4	59.9	17.8	90	0.1	50.7	12.2	704	3.68	30.0	1.2	6.6	9.7	25	0.2	1.2	0.4	57	0.50	0.038
110635	Soil	0.8	40.4	12.9	73	0.2	35.3	11.0	402	2.86	21.7	0.7	3.8	5.4	34	0.1	0.9	0.2	51	1.88	0.042
110636	Soil	1.0	38.5	25.0	96	0.2	36.9	13.5	882	4.27	23.5	1.8	2.8	21.1	10	0.1	0.7	0.2	30	0.32	0.055
110637	Soil	1.0	40.8	13.5	71	<0.1	33.7	11.4	626	2.77	29.0	2.4	5.4	7.5	22	0.2	1.0	0.2	43	0.36	0.048
110638	Soil	1.1	31.8	16.0	99	<0.1	46.3	12.3	743	3.65	25.4	1.4	2.3	10.5	23	0.2	0.9	0.2	48	0.42	0.052
110639	Soil	0.9	11.4	16.4	58	<0.1	12.2	7.4	755	2.82	28.6	1.8	1.4	16.7	17	0.1	0.7	0.1	17	0.26	0.040
110640	Soil	1.0	12.9	17.4	62	<0.1	13.8	8.0	707	2.87	25.5	1.9	1.1	14.8	19	0.2	0.6	0.2	21	0.28	0.047
110641	Soil	0.9	29.2	11.7	52	0.2	26.3	10.1	510	2.47	12.9	3.2	3.5	5.3	40	0.2	0.9	0.2	43	0.69	0.055
110642	Soil	0.9	28.1	10.6	55	0.1	24.1	9.8	366	2.59	13.3	2.3	1.8	5.7	30	0.2	0.7	0.2	46	0.48	0.049
110643	Soil	1.0	28.1	9.7	56	0.1	23.9	8.8	377	2.29	11.0	1.3	4.4	4.8	36	0.1	0.7	0.1	42	0.60	0.052
110644	Soil	0.8	27.0	9.8	47	0.1	18.9	8.2	280	2.19	9.8	1.5	5.9	8.5	29	<0.1	0.5	0.1	41	0.49	0.051
110645	Soil	0.8	24.6	8.6	48	<0.1	19.0	6.6	211	2.14	9.7	1.0	6.2	7.9	22	<0.1	0.5	0.1	43	0.37	0.046
110646	Soil	0.8	26.3	8.6	46	0.1	20.2	8.8	289	2.33	11.1	1.4	1.4	5.8	25	<0.1	0.5	0.1	44	0.39	0.047
110647	Soil	0.6	24.0	8.5	45	0.1	18.3	7.7	270	2.12	10.8	1.7	2.5	4.0	33	0.1	0.6	0.1	40	0.51	0.057
110648	Soil	0.8	24.8	9.1	56	<0.1	22.0	7.1	231	2.37	10.7	1.4	4.5	5.8	25	<0.1	0.5	0.2	42	0.35	0.045
110649	Soil	0.8	23.9	8.5	56	<0.1	21.0	8.6	295	2.21	9.6	1.4	8.3	5.3	25	0.1	0.5	0.2	42	0.38	0.051
110650	Soil	1.1	22.3	8.2	66	<0.1	19.9	9.3	440	2.81	18.2	1.1	3.9	7.1	21	<0.1	0.9	0.2	48	0.35	0.064
110651	Soil	0.7	15.6	9.1	65	<0.1	15.4	8.4	406	2.45	11.4	0.7	3.4	6.7	21	<0.1	0.6	0.2	41	0.34	0.036
110652	Soil	0.9	36.5	8.6	46	0.2	29.7	10.9	884	2.35	9.6	0.9	1.5	1.3	65	0.3	0.7	0.2	42	1.27	0.093
110653	Soil	0.8	31.2	10.4	65	0.2	28.4	10.6	522	2.66	13.3	1.0	14.6	3.7	37	0.3	0.7	0.2	51	0.69	0.076



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
110624	Soil	39	42	0.48	345	0.030	<1	1.48	0.007	0.19	0.1	0.05	4.7	0.1	<0.05	5	<0.5	<0.2
110625	Soil	21	32	0.77	358	0.046	1	1.64	0.010	0.10	<0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
110626	Soil	28	44	0.96	487	0.055	<1	2.04	0.014	0.22	<0.1	0.05	7.0	0.2	<0.05	7	<0.5	<0.2
110627	Soil	60	23	0.12	397	0.002	<1	0.81	0.003	0.11	<0.1	0.30	5.8	0.2	<0.05	3	<0.5	<0.2
110628	Soil	48	43	0.19	258	0.016	1	0.76	0.003	0.14	<0.1	0.07	4.3	0.2	<0.05	3	<0.5	<0.2
110629	Soil	18	27	0.43	452	0.040	1	1.28	0.012	0.06	0.1	0.04	4.2	<0.1	<0.05	4	<0.5	<0.2
110630	Soil	43	34	0.66	263	0.022	1	1.24	0.004	0.12	<0.1	0.06	4.9	0.4	<0.05	4	<0.5	<0.2
110631	Soil	50	30	0.16	385	0.003	<1	1.02	0.004	0.11	<0.1	0.09	4.5	0.1	<0.05	3	0.8	<0.2
110632	Soil	52	83	1.17	667	0.027	1	1.90	0.005	0.18	<0.1	0.03	9.7	0.2	<0.05	8	<0.5	<0.2
110633	Soil	16	105	0.41	414	0.004	1	1.32	0.005	0.14	<0.1	0.04	14.5	0.1	<0.05	4	<0.5	<0.2
110634	Soil	32	39	0.23	868	0.005	<1	2.04	0.005	0.15	0.1	0.10	7.3	0.3	<0.05	6	0.6	<0.2
110635	Soil	21	33	0.49	351	0.043	1	1.54	0.014	0.07	0.1	0.07	4.9	0.1	<0.05	5	<0.5	<0.2
110636	Soil	40	27	0.16	330	0.007	<1	0.84	0.002	0.20	<0.1	0.04	5.6	0.3	<0.05	4	<0.5	<0.2
110637	Soil	30	30	0.27	375	0.023	<1	1.40	0.007	0.08	0.1	0.11	5.0	0.1	<0.05	4	<0.5	<0.2
110638	Soil	32	94	0.79	551	0.038	<1	1.72	0.007	0.23	<0.1	0.06	6.7	0.2	<0.05	6	<0.5	<0.2
110639	Soil	58	14	0.13	350	0.001	<1	0.97	0.003	0.18	<0.1	0.04	5.3	0.1	<0.05	4	<0.5	<0.2
110640	Soil	48	17	0.17	319	0.002	<1	0.96	0.004	0.17	<0.1	0.05	5.4	0.1	<0.05	3	<0.5	<0.2
110641	Soil	24	29	0.43	537	0.036	<1	1.46	0.010	0.07	0.2	0.05	4.1	<0.1	<0.05	4	0.8	<0.2
110642	Soil	21	29	0.43	390	0.045	1	1.44	0.010	0.08	0.2	0.04	4.2	<0.1	<0.05	5	0.5	<0.2
110643	Soil	18	27	0.42	396	0.042	<1	1.37	0.010	0.06	0.2	0.04	3.6	<0.1	<0.05	4	0.7	<0.2
110644	Soil	45	24	0.40	330	0.028	<1	1.25	0.010	0.06	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
110645	Soil	24	27	0.41	242	0.041	<1	1.23	0.010	0.07	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
110646	Soil	21	30	0.42	338	0.038	<1	1.27	0.010	0.06	0.2	0.05	3.9	<0.1	<0.05	4	0.5	<0.2
110647	Soil	18	25	0.39	312	0.034	<1	1.20	0.010	0.05	0.2	0.06	3.5	<0.1	<0.05	4	0.5	<0.2
110648	Soil	20	30	0.44	301	0.041	<1	1.26	0.009	0.09	0.2	0.05	4.0	<0.1	<0.05	4	0.6	<0.2
110649	Soil	19	28	0.45	315	0.046	<1	1.31	0.011	0.06	0.2	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
110650	Soil	17	32	0.54	242	0.055	2	1.43	0.011	0.11	0.2	0.01	4.2	0.1	<0.05	4	<0.5	<0.2
110651	Soil	12	23	0.45	267	0.061	2	1.43	0.010	0.13	0.2	0.03	3.8	0.1	<0.05	5	<0.5	<0.2
110652	Soil	14	25	0.40	517	0.032	2	1.44	0.011	0.04	0.1	0.05	3.2	<0.1	0.08	4	0.5	<0.2
110653	Soil	16	34	0.48	393	0.059	2	1.61	0.016	0.06	0.2	0.05	4.2	<0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
110654	Soil	0.8	30.9	9.9	70	0.1	26.8	10.3	523	2.58	11.3	1.3	2.5	4.0	36	0.2	0.8	0.2	49	0.66	0.069
110655	Soil	1.1	33.2	11.0	76	0.1	27.3	11.5	588	2.83	14.0	0.9	3.4	4.7	35	0.3	0.9	0.2	53	0.69	0.074
110656	Soil	0.8	31.4	12.1	58	0.1	29.1	11.0	565	2.65	22.8	1.5	2.3	5.0	29	0.2	0.8	0.2	46	0.56	0.052
110657	Soil	0.7	30.4	10.9	52	0.2	27.5	9.7	387	2.63	22.1	1.7	3.4	4.6	28	0.1	0.8	0.2	46	0.55	0.059
110658	Soil	1.0	32.0	11.4	60	0.1	24.3	8.0	270	2.60	22.9	1.3	1.8	5.1	29	0.1	0.9	0.2	45	0.59	0.064
110659	Soil	0.9	31.1	12.4	54	0.1	35.4	11.0	381	2.86	37.4	2.0	3.1	6.1	29	0.1	1.2	0.2	50	0.51	0.046
110660	Soil	1.3	34.0	14.1	63	0.1	36.8	15.0	913	2.87	63.2	2.1	2.1	4.7	35	0.5	1.6	0.2	42	0.87	0.066
110661	Soil	0.9	51.0	10.4	49	0.1	30.1	11.2	533	2.65	51.7	4.4	2.9	5.3	39	0.3	1.0	0.2	49	0.99	0.054
110662	Soil	0.7	26.3	12.7	56	0.1	18.7	8.6	287	2.40	9.7	4.7	1.3	6.4	24	0.2	0.9	0.2	44	0.34	0.060
110663	Soil	0.9	25.1	9.7	59	0.1	19.3	8.0	253	2.46	10.0	4.6	10.0	7.4	26	0.1	0.7	0.2	44	0.38	0.060
110664	Soil	0.6	25.8	9.4	58	<0.1	19.6	6.3	209	2.33	9.9	3.7	1.1	8.1	25	<0.1	0.7	0.2	41	0.35	0.053
110665	Soil	0.9	26.1	10.7	55	0.1	21.6	8.5	250	2.57	11.9	23.9	5.5	7.5	38	0.2	0.7	0.2	46	0.59	0.052
110666	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
110667	Soil	0.7	19.2	10.1	46	0.1	14.2	4.6	96	2.16	7.9	10.4	8.1	6.6	23	0.1	0.6	0.2	38	0.31	0.055
110668	Soil	0.6	25.2	10.8	53	0.1	20.1	6.5	146	2.39	9.4	6.7	16.5	6.4	32	0.2	0.6	0.2	45	0.45	0.056
110669	Soil	0.4	22.7	11.4	50	0.1	18.4	7.3	442	2.02	16.6	2.4	2.3	5.6	27	0.2	0.8	0.2	42	0.69	0.048
110671	Soil	0.8	36.0	11.7	61	0.2	32.8	10.7	340	2.85	30.3	2.3	7.4	5.9	24	0.3	0.9	0.2	47	0.53	0.054
110672	Soil	1.0	40.2	14.1	92	0.2	33.9	10.4	430	3.11	56.5	1.2	3.7	8.1	22	0.2	0.9	0.2	46	0.45	0.058
110673	Soil	0.6	51.2	8.6	61	0.1	31.4	13.3	449	3.21	16.7	3.1	3.3	4.1	33	0.2	0.6	0.1	71	0.74	0.057
110674	Soil	0.6	53.1	7.9	59	0.1	27.0	11.9	382	2.95	12.1	3.1	3.6	3.3	45	0.2	0.6	0.1	67	1.04	0.061
110675	Soil	0.5	37.8	10.3	59	0.1	27.0	12.9	469	2.84	12.1	3.3	3.1	3.9	35	0.2	0.7	0.2	56	0.84	0.052
110676	Soil	0.8	34.3	11.1	59	0.1	25.9	10.7	380	2.84	13.4	1.5	1.6	4.7	29	0.2	0.7	0.2	55	0.59	0.048
110677	Soil	0.8	32.5	10.3	56	0.1	25.9	10.7	492	2.52	12.9	2.5	24.5	3.9	33	0.2	0.8	0.2	51	0.68	0.060
110678	Soil	0.8	31.2	11.9	59	0.1	26.7	11.4	511	2.74	14.9	2.2	7.8	5.3	30	0.2	0.7	0.2	53	0.58	0.055
110679	Soil	0.8	31.0	10.5	58	0.2	26.6	10.1	466	2.56	12.7	3.0	4.0	4.2	42	0.3	0.7	0.2	49	0.88	0.067
110680	Soil	0.8	29.1	10.4	64	0.1	23.5	9.7	378	2.55	12.8	2.2	3.8	4.5	34	0.2	0.7	0.2	54	0.61	0.065
110681	Soil	0.9	31.4	11.0	65	0.2	26.7	10.4	447	2.83	12.1	2.5	2.5	4.9	34	0.2	0.8	0.2	56	0.62	0.069
112826	Soil	0.9	27.1	11.9	64	0.2	28.5	9.6	336	2.79	11.8	9.3	2.4	6.0	40	0.2	0.7	0.2	48	0.61	0.053
112827	Soil	0.8	18.6	10.4	55	<0.1	20.3	7.6	348	2.51	12.6	2.1	2.4	8.8	21	<0.1	0.7	0.1	36	0.30	0.048
112828	Soil	0.7	20.0	10.8	56	<0.1	17.9	8.0	348	2.50	13.2	2.1	10.0	7.5	20	<0.1	0.6	0.2	42	0.28	0.048



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
110654	Soil	16	28	0.49	369	0.060	2	1.58	0.015	0.06	0.2	0.05	4.4	<0.1	<0.05	4	0.5	<0.2
110655	Soil	18	29	0.51	457	0.069	2	1.66	0.017	0.08	0.2	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
110656	Soil	20	27	0.38	417	0.037	2	1.56	0.010	0.06	0.1	0.05	4.6	<0.1	<0.05	4	0.6	<0.2
110657	Soil	18	28	0.40	420	0.035	2	1.48	0.010	0.06	0.2	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
110658	Soil	20	30	0.43	338	0.037	2	1.42	0.011	0.06	0.2	0.05	4.3	<0.1	0.07	4	<0.5	<0.2
110659	Soil	21	35	0.42	513	0.035	2	1.57	0.010	0.06	0.1	0.05	4.9	<0.1	<0.05	4	<0.5	<0.2
110660	Soil	23	31	0.31	422	0.017	2	1.17	0.009	0.08	0.1	0.05	4.4	0.1	0.08	4	0.7	<0.2
110661	Soil	18	34	0.45	407	0.030	3	1.34	0.012	0.06	0.1	0.04	4.9	<0.1	0.07	4	1.2	<0.2
110662	Soil	34	27	0.32	389	0.038	1	1.73	0.010	0.08	0.2	0.09	4.9	0.1	<0.05	5	0.6	<0.2
110663	Soil	27	26	0.40	362	0.054	1	1.45	0.011	0.08	0.2	0.03	4.3	0.1	<0.05	4	<0.5	<0.2
110664	Soil	31	24	0.40	316	0.055	1	1.52	0.010	0.08	0.2	0.04	4.3	0.1	<0.05	5	<0.5	<0.2
110665	Soil	28	29	0.42	393	0.049	1	1.66	0.011	0.08	0.1	0.06	4.5	0.1	<0.05	5	<0.5	<0.2
110666	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
110667	Soil	34	21	0.31	330	0.043	1	1.40	0.009	0.07	0.2	0.06	3.5	0.1	<0.05	5	<0.5	<0.2
110668	Soil	27	26	0.39	402	0.049	1	1.54	0.011	0.06	0.2	0.06	4.0	0.1	<0.05	5	<0.5	<0.2
110669	Soil	17	27	0.43	324	0.035	2	1.39	0.011	0.06	0.1	0.05	3.7	0.2	0.06	4	0.5	<0.2
110671	Soil	22	30	0.41	402	0.036	2	1.36	0.011	0.08	0.2	0.05	4.7	<0.1	<0.05	4	0.6	<0.2
110672	Soil	32	30	0.35	372	0.024	1	1.34	0.010	0.12	0.2	0.10	6.1	0.1	<0.05	4	0.5	<0.2
110673	Soil	15	42	0.71	422	0.044	2	1.83	0.012	0.07	0.2	0.04	6.1	<0.1	<0.05	5	<0.5	<0.2
110674	Soil	14	34	0.63	422	0.045	2	1.76	0.014	0.07	0.1	0.05	5.5	<0.1	0.05	5	0.5	<0.2
110675	Soil	16	31	0.49	383	0.035	1	1.66	0.012	0.05	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
110676	Soil	18	32	0.46	385	0.051	1	1.73	0.012	0.06	0.2	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
110677	Soil	17	28	0.43	393	0.045	2	1.50	0.011	0.05	0.2	0.05	4.2	<0.1	<0.05	4	0.5	<0.2
110678	Soil	20	29	0.41	420	0.051	2	1.68	0.011	0.06	0.2	0.05	4.7	<0.1	<0.05	5	0.6	<0.2
110679	Soil	18	27	0.42	453	0.050	2	1.56	0.011	0.05	0.2	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
110680	Soil	17	29	0.44	378	0.052	2	1.54	0.012	0.05	0.2	0.05	4.2	<0.1	<0.05	4	0.9	<0.2
110681	Soil	19	30	0.47	383	0.058	2	1.65	0.014	0.06	0.3	0.05	4.6	<0.1	<0.05	5	0.8	<0.2
112826	Soil	27	32	0.50	644	0.040	2	1.87	0.011	0.10	0.2	0.06	5.0	<0.1	0.09	5	0.6	<0.2
112827	Soil	28	28	0.39	385	0.035	<1	1.35	0.007	0.15	0.2	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
112828	Soil	25	26	0.39	312	0.046	1	1.24	0.007	0.08	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2



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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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																		
112829	Soil		0.8	22.0	9.2	65	<0.1	24.9	8.6	290	2.65	11.4	1.3	0.7	7.6	23	0.1	0.6	0.2	53	0.39
112830	Soil		1.1	37.5	15.7	72	<0.1	31.4	10.0	396	3.47	17.9	1.9	4.2	12.4	30	0.1	1.1	0.4	47	0.34
112831	Soil		1.3	38.5	14.1	67	<0.1	36.6	11.0	433	3.31	26.0	2.0	2.6	10.3	25	<0.1	1.0	0.2	46	0.29
112832	Soil		1.0	31.5	11.2	52	<0.1	30.8	11.2	293	2.84	16.1	3.1	3.4	7.7	26	<0.1	1.0	0.2	53	0.31
112833	Soil		1.1	60.5	10.0	68	<0.1	138.1	22.3	651	4.11	21.9	1.2	2.8	6.9	30	<0.1	1.5	0.2	85	0.35
112834	Soil		1.0	42.8	13.0	62	<0.1	34.1	12.1	321	3.39	29.4	2.0	3.7	12.4	17	<0.1	1.2	0.3	51	0.15
112835	Soil		1.2	54.7	30.8	136	<0.1	46.8	14.7	658	4.05	75.0	1.4	4.6	15.5	13	0.1	3.3	0.4	49	0.37
112836	Soil		1.3	43.4	18.2	93	<0.1	32.3	10.5	493	3.56	106.6	1.6	5.9	16.6	19	<0.1	3.3	0.2	43	0.17
112837	Soil		1.1	44.1	16.7	78	<0.1	35.4	12.7	416	3.43	61.7	1.3	3.8	13.0	24	<0.1	2.3	0.3	49	0.32
112838	Soil		1.1	44.4	21.6	81	0.1	39.0	14.9	803	3.86	33.7	1.8	4.0	21.7	21	<0.1	1.5	0.4	34	0.36
112839	Soil		1.0	34.5	13.6	58	<0.1	20.4	9.7	527	3.25	22.4	2.0	4.8	15.9	21	0.1	1.2	0.9	48	0.40
112840	Soil		1.1	35.5	12.4	73	0.1	23.2	9.6	448	2.96	20.4	1.3	3.4	12.3	27	0.2	1.1	0.5	49	0.47
112841	Soil		0.8	21.8	8.9	45	<0.1	20.2	7.6	309	2.74	14.2	1.9	3.1	15.5	22	<0.1	0.9	0.2	40	0.39
112842	Soil		0.5	16.2	8.4	74	<0.1	20.3	3.8	375	3.04	10.6	2.1	2.1	19.2	15	<0.1	0.9	0.1	24	0.22
112843	Soil		0.6	13.0	7.1	43	<0.1	11.7	4.9	173	1.97	6.4	1.7	2.4	8.8	16	<0.1	0.5	0.1	31	0.19
112844	Soil		0.9	23.0	8.6	50	<0.1	19.9	6.4	200	2.14	10.0	1.5	3.1	7.0	27	<0.1	0.7	0.2	41	0.32
112845	Soil		0.8	19.9	7.0	49	<0.1	22.1	6.1	183	2.13	8.7	1.2	32.4	7.3	25	0.1	0.8	0.1	43	0.32
112846	Soil		0.8	22.5	7.7	46	<0.1	16.1	7.1	203	2.20	8.6	1.4	4.5	5.5	26	<0.1	0.8	0.1	49	0.33
112847	Soil		0.7	42.9	8.4	71	<0.1	41.2	13.8	548	3.37	9.5	1.4	7.8	6.1	30	0.1	0.7	0.1	85	0.49
112848	Soil		0.4	20.3	11.8	78	<0.1	21.4	7.4	338	2.74	5.4	1.8	1.5	13.3	17	<0.1	0.5	0.1	45	0.30
112849	Soil		0.7	33.4	8.7	60	<0.1	19.3	8.9	251	2.60	10.1	1.7	5.4	6.8	27	<0.1	0.7	0.2	60	0.37
112850	Soil		0.8	28.7	8.7	52	<0.1	18.3	7.0	198	2.33	9.2	1.6	18.6	7.0	27	0.1	0.6	0.1	53	0.37
112851	Soil		0.7	23.9	9.0	54	<0.1	16.5	7.6	221	2.40	9.2	1.2	5.5	7.3	25	<0.1	0.5	0.1	53	0.32
112852	Soil		0.9	27.8	13.4	56	<0.1	19.8	6.6	151	2.31	11.6	2.1	2.9	8.1	29	0.1	0.7	0.2	56	0.37
112853	Soil		0.7	19.8	14.3	51	0.1	16.2	5.9	124	2.22	8.4	2.0	3.0	8.4	29	<0.1	0.6	0.2	45	0.37
112854	Soil		0.8	13.1	11.6	60	<0.1	17.0	9.7	317	2.80	12.0	1.4	2.3	7.1	18	<0.1	0.5	0.2	61	0.20
112855	Soil		0.7	13.5	10.0	63	<0.1	26.3	11.1	405	3.04	13.1	1.4	1.5	9.9	24	<0.1	0.4	0.1	68	0.30
112856	Soil		0.8	9.4	10.7	59	<0.1	14.6	9.6	339	2.56	11.2	1.5	1.8	5.3	18	<0.1	0.4	0.1	59	0.21
112857	Soil		1.0	11.6	12.5	67	0.2	18.7	9.0	268	2.99	34.6	1.4	11.0	6.3	18	<0.1	0.8	0.2	56	0.20
112858	Soil		0.8	12.8	9.0	57	0.1	22.2	7.4	218	2.51	9.7	1.4	1.1	4.2	19	<0.1	0.4	0.1	57	0.14



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112829	Soil	24	34	0.70	357	0.064	1	1.57	0.009	0.13	0.1	0.03	4.6	0.1	<0.05	5	<0.5	<0.2
112830	Soil	31	31	0.42	353	0.041	1	1.50	0.010	0.12	0.1	0.10	5.9	0.1	<0.05	5	<0.5	<0.2
112831	Soil	33	33	0.31	350	0.034	1	1.42	0.008	0.10	0.1	0.07	5.2	0.2	<0.05	4	0.6	<0.2
112832	Soil	24	38	0.41	418	0.051	1	1.48	0.012	0.06	0.2	0.06	5.6	<0.1	<0.05	4	<0.5	<0.2
112833	Soil	21	105	0.54	438	0.023	2	1.77	0.011	0.09	<0.1	0.11	10.3	0.1	<0.05	5	<0.5	<0.2
112834	Soil	34	33	0.33	333	0.041	<1	1.32	0.008	0.06	0.1	0.05	5.3	<0.1	<0.05	3	<0.5	<0.2
112835	Soil	44	34	0.25	438	0.008	1	1.32	0.005	0.12	<0.1	0.07	6.7	0.2	<0.05	4	0.7	<0.2
112836	Soil	44	27	0.29	543	0.011	<1	1.20	0.007	0.10	<0.1	0.05	5.1	0.1	<0.05	4	<0.5	<0.2
112837	Soil	35	31	0.38	451	0.039	<1	1.51	0.011	0.11	0.1	0.07	5.0	0.1	<0.05	4	<0.5	<0.2
112838	Soil	60	33	0.21	306	0.008	<1	1.00	0.006	0.13	<0.1	0.09	5.2	0.2	<0.05	4	<0.5	<0.2
112839	Soil	34	21	0.44	364	0.027	<1	1.52	0.010	0.18	0.1	0.04	4.9	0.2	<0.05	6	<0.5	<0.2
112840	Soil	37	26	0.48	427	0.042	<1	1.50	0.013	0.14	0.2	0.06	4.4	0.1	<0.05	5	<0.5	<0.2
112841	Soil	41	30	0.56	491	0.020	<1	1.73	0.007	0.11	<0.1	0.06	5.5	0.1	<0.05	6	<0.5	<0.2
112842	Soil	52	17	0.24	407	0.037	<1	1.28	0.007	0.34	0.1	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
112843	Soil	33	21	0.32	299	0.047	<1	0.96	0.007	0.12	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
112844	Soil	24	26	0.34	342	0.055	<1	1.08	0.010	0.07	0.2	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
112845	Soil	22	29	0.43	324	0.051	<1	1.21	0.010	0.08	0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
112846	Soil	18	29	0.44	294	0.058	<1	1.27	0.011	0.05	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
112847	Soil	20	60	0.85	459	0.074	<1	1.93	0.014	0.20	0.1	0.04	7.3	0.1	<0.05	6	<0.5	<0.2
112848	Soil	42	30	0.54	304	0.063	<1	1.37	0.007	0.47	<0.1	0.02	4.5	0.2	<0.05	6	<0.5	<0.2
112849	Soil	20	33	0.53	275	0.063	<1	1.51	0.015	0.08	0.2	0.02	4.6	<0.1	<0.05	4	0.7	<0.2
112850	Soil	23	28	0.46	258	0.055	<1	1.23	0.014	0.09	0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
112851	Soil	20	30	0.48	243	0.057	<1	1.38	0.012	0.07	0.1	0.03	3.7	<0.1	<0.05	4	0.5	<0.2
112852	Soil	31	31	0.45	323	0.047	<1	1.62	0.011	0.08	0.1	0.05	4.5	<0.1	<0.05	5	<0.5	<0.2
112853	Soil	28	31	0.37	288	0.039	<1	1.49	0.009	0.07	0.1	0.04	4.2	<0.1	<0.05	5	0.6	<0.2
112854	Soil	24	31	0.63	137	0.092	<1	1.77	0.009	0.16	0.2	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
112855	Soil	35	56	1.03	169	0.129	<1	2.01	0.010	0.57	0.2	0.03	2.5	0.4	<0.05	6	<0.5	<0.2
112856	Soil	29	34	0.73	104	0.104	1	1.75	0.010	0.24	0.2	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
112857	Soil	34	40	0.73	133	0.109	<1	1.83	0.009	0.39	0.1	0.04	2.5	0.4	<0.05	6	<0.5	<0.2
112858	Soil	37	51	0.69	139	0.101	1	1.76	0.011	0.09	0.1	0.04	2.2	0.2	<0.05	6	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
112859	Soil				1.1	8.6	12.0	51	<0.1	13.2	6.8	265	3.44	12.9	0.5	0.7	3.0	14	<0.1	0.5	0.2	82	0.12	0.091
112860	Soil				1.1	10.3	11.2	62	<0.1	14.9	9.5	413	2.96	11.9	0.8	3.8	4.4	16	<0.1	0.4	0.1	71	0.18	0.063
112861	Soil				1.0	10.0	10.5	60	0.1	13.5	8.3	281	2.67	10.2	1.4	1.7	4.9	19	<0.1	0.4	0.1	58	0.18	0.050
112862	Soil				0.7	12.5	8.8	50	<0.1	15.2	6.9	191	2.32	8.8	1.6	2.3	4.1	17	<0.1	0.4	0.1	52	0.18	0.044
112863	Soil				0.8	12.0	8.1	43	<0.1	16.6	5.9	159	1.91	8.4	1.2	4.5	3.5	17	<0.1	0.3	0.1	48	0.17	0.033
112864	Soil				0.7	11.1	9.9	54	<0.1	14.4	7.9	246	2.52	9.9	1.4	9.3	4.9	17	<0.1	0.3	0.1	54	0.21	0.053
112865	Soil				0.8	14.6	9.8	47	<0.1	14.1	6.3	181	2.21	9.3	1.8	4.3	4.8	17	<0.1	0.4	0.2	48	0.17	0.040
112866	Soil				1.0	13.5	9.7	48	<0.1	14.3	6.4	195	2.31	8.9	1.6	2.3	3.5	16	<0.1	0.4	0.2	55	0.17	0.043
112867	Soil				1.0	11.2	9.8	61	<0.1	15.9	9.4	333	2.73	10.6	1.1	2.2	5.9	21	<0.1	0.5	0.1	58	0.24	0.055
112868	Soil				0.9	9.1	9.9	53	<0.1	13.4	6.8	233	2.99	10.8	0.8	1.0	4.7	12	<0.1	0.4	0.2	58	0.14	0.043
112869	Soil				1.0	10.8	9.2	63	<0.1	21.4	10.1	379	3.05	11.9	1.1	1.3	7.4	16	<0.1	0.4	0.2	59	0.21	0.058
112870	Soil				1.0	6.5	10.3	53	<0.1	12.4	6.9	284	2.54	9.5	0.6	1.9	3.8	14	<0.1	0.4	0.2	58	0.14	0.051
112871	Soil				1.1	8.8	10.0	61	<0.1	14.1	7.5	260	2.70	11.3	1.3	0.9	6.4	19	<0.1	0.4	0.2	59	0.22	0.046
112872	Soil				1.0	9.4	7.7	54	0.1	17.4	7.2	271	2.24	7.9	1.6	<0.5	4.6	19	<0.1	0.3	0.1	47	0.25	0.060
112873	Soil				0.8	8.6	8.4	56	<0.1	13.5	7.5	283	2.59	8.5	1.3	<0.5	6.9	16	<0.1	0.3	0.1	55	0.23	0.049
112874	Soil				0.8	9.9	8.8	48	<0.1	13.0	6.0	214	2.12	8.3	1.2	1.2	3.1	15	<0.1	0.3	0.1	47	0.19	0.043
112875	Soil				0.8	9.8	8.5	50	0.2	11.8	5.8	188	2.32	8.5	2.1	1.2	5.4	20	<0.1	0.4	0.1	49	0.27	0.042
112876	Soil				0.8	10.9	9.1	53	0.1	13.0	7.2	223	2.51	8.9	1.6	1.3	4.8	17	<0.1	0.3	0.1	51	0.22	0.061
112877	Soil				1.1	13.8	10.7	58	<0.1	16.8	8.5	268	3.02	10.9	0.8	2.9	6.3	13	<0.1	0.5	0.2	55	0.15	0.033
112878	Soil				0.8	15.7	8.0	50	<0.1	19.6	7.6	221	2.42	10.8	1.4	0.7	3.7	18	<0.1	0.3	0.1	49	0.24	0.064
112879	Soil				0.7	17.8	7.3	47	0.1	21.2	7.8	211	2.33	10.2	1.4	0.9	3.4	19	<0.1	0.3	0.1	52	0.23	0.055
112880	Soil				0.7	12.6	8.5	43	0.4	11.9	6.0	190	2.19	8.2	2.1	0.7	3.7	26	<0.1	0.3	0.1	50	0.24	0.031
112881	Soil				0.7	9.1	12.5	79	<0.1	16.4	11.5	460	3.54	14.4	3.1	1.5	17.0	19	0.1	0.5	<0.1	70	0.32	0.090
112882	Soil				1.0	8.7	13.6	71	<0.1	15.0	11.1	468	3.50	16.9	3.5	0.6	21.1	21	<0.1	0.4	<0.1	71	0.31	0.090
112883	Soil				0.8	7.7	11.8	69	<0.1	12.8	10.0	430	3.16	19.4	3.4	1.2	16.3	20	<0.1	0.4	0.1	66	0.27	0.081
112884	Soil				0.9	7.5	8.7	39	<0.1	9.1	4.7	168	1.96	9.7	0.9	1.5	3.5	12	<0.1	0.3	0.2	45	0.12	0.030
112885	Soil				0.9	13.5	10.8	57	<0.1	16.6	10.4	354	2.77	13.0	1.1	1.9	7.8	13	<0.1	0.5	0.2	52	0.15	0.037
112886	Soil				0.9	13.0	11.1	48	<0.1	13.6	6.0	185	2.41	11.2	1.2	1.8	2.9	15	<0.1	0.4	0.2	51	0.15	0.050
112887	Soil				0.7	13.3	11.4	53	<0.1	15.5	6.5	210	2.31	11.8	1.2	3.1	3.6	13	<0.1	0.5	0.1	45	0.14	0.047
112888	Soil				0.8	15.2	11.1	63	<0.1	16.7	9.1	333	2.57	9.5	1.3	5.5	9.9	17	<0.1	0.5	0.1	46	0.23	0.049



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112859	Soil	10	29	0.55	87	0.112	<1	1.53	0.009	0.11	0.2	0.02	1.8	0.2	<0.05	7	<0.5	<0.2
112860	Soil	23	33	0.72	124	0.118	<1	1.72	0.010	0.24	0.1	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
112861	Soil	33	28	0.68	138	0.093	<1	1.79	0.011	0.16	0.2	0.03	2.3	0.2	<0.05	6	<0.5	<0.2
112862	Soil	24	32	0.59	115	0.081	1	1.62	0.010	0.10	0.1	0.06	2.2	0.2	<0.05	5	<0.5	<0.2
112863	Soil	25	40	0.54	114	0.090	1	1.35	0.011	0.10	0.2	0.04	1.9	0.2	<0.05	5	<0.5	<0.2
112864	Soil	22	33	0.68	103	0.098	<1	1.57	0.009	0.17	0.1	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
112865	Soil	26	26	0.49	104	0.064	<1	1.43	0.009	0.10	0.2	0.04	2.2	0.2	<0.05	5	<0.5	<0.2
112866	Soil	30	30	0.56	124	0.074	<1	1.51	0.010	0.10	0.1	0.04	2.3	0.2	<0.05	6	<0.5	<0.2
112867	Soil	20	30	0.67	121	0.098	<1	1.65	0.011	0.21	0.2	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
112868	Soil	17	28	0.56	97	0.079	2	1.68	0.007	0.13	0.4	0.03	2.1	0.2	<0.05	6	0.7	<0.2
112869	Soil	19	42	0.79	150	0.100	2	2.05	0.008	0.28	0.4	0.02	2.4	0.2	<0.05	6	0.5	<0.2
112870	Soil	12	28	0.56	96	0.093	1	1.56	0.008	0.14	0.2	0.01	2.0	0.2	<0.05	7	<0.5	<0.2
112871	Soil	29	29	0.70	154	0.093	2	2.01	0.011	0.20	0.3	0.02	2.2	0.3	<0.05	7	<0.5	<0.2
112872	Soil	27	38	0.65	138	0.078	1	1.50	0.010	0.23	0.3	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
112873	Soil	23	30	0.68	115	0.099	1	1.67	0.010	0.28	0.3	0.01	2.3	0.2	<0.05	6	0.8	<0.2
112874	Soil	23	29	0.54	114	0.069	2	1.39	0.009	0.17	0.2	0.03	1.9	0.2	<0.05	6	0.6	<0.2
112875	Soil	39	25	0.52	130	0.065	1	1.51	0.009	0.11	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
112876	Soil	24	29	0.64	125	0.077	1	1.63	0.008	0.16	0.2	0.03	2.3	0.2	<0.05	6	<0.5	<0.2
112877	Soil	15	31	0.57	141	0.071	2	1.81	0.008	0.09	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
112878	Soil	23	48	0.62	124	0.070	1	1.50	0.007	0.15	0.2	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
112879	Soil	23	62	0.65	121	0.087	1	1.55	0.009	0.17	0.1	0.03	2.2	0.2	<0.05	6	<0.5	<0.2
112880	Soil	28	33	0.66	120	0.099	1	1.66	0.011	0.18	0.1	0.04	2.5	0.2	<0.05	7	<0.5	<0.2
112881	Soil	44	40	1.10	195	0.138	<1	2.74	0.009	0.81	0.2	0.02	3.3	0.6	<0.05	9	<0.5	<0.2
112882	Soil	55	45	1.06	165	0.134	<1	2.59	0.009	0.74	0.2	0.02	3.5	0.5	<0.05	9	<0.5	<0.2
112883	Soil	55	34	0.93	181	0.114	<1	2.42	0.009	0.67	0.2	0.02	3.1	0.4	<0.05	8	<0.5	<0.2
112884	Soil	18	21	0.37	79	0.061	<1	1.27	0.006	0.12	0.2	0.03	1.8	0.2	<0.05	6	<0.5	<0.2
112885	Soil	16	30	0.55	136	0.071	1	1.80	0.007	0.10	0.2	0.02	2.8	0.2	<0.05	5	<0.5	<0.2
112886	Soil	19	25	0.43	140	0.053	1	1.48	0.007	0.07	0.1	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
112887	Soil	18	24	0.49	116	0.059	1	1.49	0.007	0.09	0.2	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
112888	Soil	26	26	0.61	235	0.086	<1	1.60	0.008	0.15	0.2	0.03	3.0	0.2	<0.05	5	<0.5	<0.2



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
145197	Soil	1.2	21.3	12.9	55	<0.1	19.8	8.4	263	2.78	15.7	1.2	2.8	4.3	13	<0.1	0.8	0.2	52	0.14	0.034
145198	Soil	1.1	19.5	13.9	56	<0.1	19.1	8.2	253	2.66	27.5	1.1	1.0	3.7	9	<0.1	1.6	0.2	50	0.09	0.032
145199	Soil	1.1	24.2	13.8	72	<0.1	24.9	13.0	439	3.28	28.9	1.5	3.2	9.8	11	0.1	1.0	0.2	53	0.11	0.028
145200	Soil	1.2	26.3	14.3	79	<0.1	28.7	14.9	456	3.46	27.7	1.4	2.1	9.8	10	0.2	0.9	0.2	56	0.09	0.024
145201	Soil	1.1	26.4	11.7	68	<0.1	25.5	11.4	313	3.15	18.6	1.4	4.2	8.3	11	0.2	0.8	0.2	55	0.09	0.025
145202	Soil	1.1	22.6	13.9	71	<0.1	22.2	10.0	325	3.00	22.1	1.7	1.5	7.3	13	0.1	0.7	0.2	53	0.11	0.027
145203	Soil	1.2	16.3	17.2	76	<0.1	19.7	9.5	278	3.15	20.0	0.9	1.2	6.5	11	0.1	0.6	0.2	57	0.10	0.028
145204	Soil	0.6	30.4	15.2	95	<0.1	30.6	17.7	571	3.88	18.5	1.3	0.7	13.1	10	<0.1	0.5	0.1	58	0.15	0.039
145205	Soil	1.2	16.1	13.4	64	<0.1	18.1	9.1	260	3.18	15.4	1.1	2.3	6.9	14	0.1	0.5	0.2	59	0.14	0.036
145206	Soil	1.2	17.0	18.4	65	<0.1	16.9	7.0	253	2.61	18.5	1.3	0.7	5.4	14	0.1	0.6	0.2	50	0.14	0.035
145207	Soil	1.3	18.6	14.8	79	<0.1	22.8	11.5	353	3.20	20.5	1.3	2.0	8.8	11	0.2	0.8	0.2	51	0.12	0.038
145208	Soil	1.1	23.2	13.9	73	<0.1	23.0	10.3	352	2.86	19.7	2.1	3.3	7.7	16	0.1	0.6	0.2	52	0.15	0.038
145209	Soil	1.0	24.8	11.0	101	<0.1	26.4	10.5	248	3.03	33.4	1.6	3.3	8.4	12	<0.1	1.0	0.1	54	0.11	0.034
145210	Soil	1.2	21.5	13.0	67	0.1	21.5	9.1	224	3.05	25.7	1.3	3.0	7.1	12	<0.1	0.9	0.2	62	0.10	0.021
145211	Soil	1.0	20.6	11.3	63	<0.1	20.7	9.0	238	2.82	19.4	1.4	2.6	7.2	15	<0.1	0.7	0.2	54	0.12	0.018
145212	Soil	1.1	21.7	12.1	72	<0.1	22.1	8.9	278	2.95	22.5	1.2	6.8	6.3	14	<0.1	0.6	0.3	57	0.12	0.030
145213	Soil	1.4	18.0	12.9	62	<0.1	19.4	8.7	265	2.93	18.6	1.2	4.4	6.7	12	<0.1	0.5	0.3	60	0.10	0.028
145214	Soil	1.4	10.9	11.9	49	<0.1	13.4	5.3	187	2.96	24.3	0.6	4.4	3.8	8	0.1	0.6	0.2	68	0.08	0.043
145215	Soil	1.2	12.1	12.8	48	0.1	11.8	4.6	137	2.24	17.0	0.8	5.2	2.5	10	0.1	0.4	0.2	54	0.08	0.048
145216	Soil	1.0	12.9	13.3	79	<0.1	15.6	8.0	238	2.82	14.2	1.0	2.6	5.6	14	<0.1	0.4	0.2	59	0.15	0.038
145217	Soil	1.0	19.2	13.1	59	<0.1	18.0	8.5	228	2.74	13.2	1.5	2.7	7.0	14	<0.1	0.5	0.2	54	0.13	0.025
145218	Soil	1.2	15.5	12.6	64	<0.1	18.0	8.5	218	3.21	14.2	1.1	7.1	7.0	14	0.1	0.5	0.2	64	0.13	0.040
145219	Soil	1.0	17.1	10.4	52	<0.1	18.6	8.3	199	2.89	13.7	0.9	8.1	5.2	11	<0.1	0.6	0.2	55	0.11	0.031
145220	Soil	1.4	10.6	11.9	46	0.1	12.8	6.0	165	2.67	11.6	0.7	3.7	4.9	14	<0.1	0.4	0.2	66	0.13	0.031
145221	Soil	0.9	14.1	12.0	67	<0.1	15.7	9.9	323	3.36	10.3	1.2	6.6	8.6	19	<0.1	0.3	0.2	63	0.24	0.071
145222	Soil	0.9	16.1	11.0	67	<0.1	20.3	10.0	330	3.08	10.7	1.4	3.1	11.2	18	<0.1	0.4	0.2	57	0.22	0.063
145223	Soil	1.1	13.5	10.7	90	<0.1	21.1	11.7	457	3.66	8.2	1.2	2.1	7.7	35	<0.1	0.3	<0.1	68	0.35	0.088
145224	Soil	0.9	14.2	11.3	91	<0.1	21.4	12.7	467	3.89	9.3	1.2	19.6	9.8	21	<0.1	0.4	0.1	67	0.30	0.104
145225	Soil	2.4	15.2	13.7	90	0.1	19.3	10.0	401	3.69	18.8	1.1	4.8	6.8	17	<0.1	0.6	0.2	76	0.19	0.046
145226	Soil	1.2	15.0	11.9	57	<0.1	15.2	6.8	225	2.70	12.3	1.1	4.5	5.2	12	<0.1	0.5	0.2	58	0.11	0.029



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
145197	Soil	19	32	0.51	149	0.065	<1	1.72	0.007	0.14	0.1	0.04	3.2	0.2	<0.05	6	<0.5
145198	Soil	17	30	0.49	121	0.057	<1	1.66	0.006	0.09	0.1	0.03	2.7	0.2	<0.05	6	<0.5
145199	Soil	22	39	0.67	163	0.100	<1	2.12	0.007	0.22	0.2	0.04	3.5	0.2	<0.05	6	<0.5
145200	Soil	18	38	0.71	173	0.115	1	2.17	0.007	0.26	0.1	0.04	4.1	0.3	<0.05	6	0.6
145201	Soil	19	36	0.61	164	0.083	<1	2.09	0.007	0.14	0.2	0.03	4.1	0.2	<0.05	6	<0.5
145202	Soil	20	32	0.57	189	0.084	<1	1.84	0.006	0.12	0.1	0.02	3.5	0.2	<0.05	6	0.8
145203	Soil	12	34	0.61	225	0.087	1	2.08	0.006	0.11	0.2	0.02	3.0	0.2	<0.05	6	<0.5
145204	Soil	30	36	1.10	933	0.198	<1	2.63	0.007	0.80	0.1	0.02	4.7	0.5	<0.05	8	<0.5
145205	Soil	16	32	0.59	856	0.092	<1	1.97	0.007	0.18	0.1	0.03	3.5	0.2	<0.05	6	<0.5
145206	Soil	23	31	0.52	294	0.078	1	1.68	0.007	0.16	0.1	0.02	2.6	0.2	<0.05	6	<0.5
145207	Soil	16	34	0.59	254	0.077	1	1.97	0.006	0.17	0.2	0.03	2.8	0.2	<0.05	6	<0.5
145208	Soil	28	39	0.65	733	0.063	1	1.81	0.007	0.10	0.1	0.05	4.2	0.2	<0.05	5	<0.5
145209	Soil	26	31	0.58	175	0.082	<1	1.74	0.006	0.21	0.1	0.04	2.7	0.3	<0.05	5	0.7
145210	Soil	19	32	0.45	181	0.069	<1	1.97	0.006	0.10	0.2	0.03	3.2	0.3	<0.05	6	<0.5
145211	Soil	21	32	0.52	199	0.069	<1	1.91	0.007	0.08	0.1	0.05	3.4	0.2	<0.05	5	<0.5
145212	Soil	24	32	0.51	201	0.075	1	1.70	0.006	0.14	0.1	0.02	2.6	0.2	<0.05	5	<0.5
145213	Soil	20	32	0.48	196	0.072	<1	1.82	0.006	0.07	0.1	0.03	3.1	0.1	<0.05	5	<0.5
145214	Soil	14	26	0.34	92	0.077	<1	1.33	0.005	0.07	0.2	0.01	2.0	0.1	<0.05	6	<0.5
145215	Soil	16	22	0.29	144	0.056	1	1.35	0.005	0.06	0.2	0.02	1.8	0.1	<0.05	6	<0.5
145216	Soil	18	27	0.60	152	0.097	1	1.80	0.007	0.19	0.1	0.02	2.2	0.2	<0.05	6	<0.5
145217	Soil	25	30	0.51	232	0.070	<1	1.74	0.007	0.07	0.2	0.02	3.6	0.1	<0.05	5	<0.5
145218	Soil	21	31	0.58	202	0.094	<1	1.99	0.007	0.23	0.1	0.01	2.7	0.2	<0.05	6	<0.5
145219	Soil	16	29	0.48	141	0.062	<1	1.88	0.006	0.08	0.1	0.03	2.7	0.3	<0.05	5	<0.5
145220	Soil	15	28	0.37	164	0.072	<1	1.73	0.007	0.06	0.1	<0.01	2.3	0.2	<0.05	7	<0.5
145221	Soil	27	31	0.72	198	0.097	1	2.39	0.007	0.37	0.2	0.02	2.7	0.3	<0.05	7	<0.5
145222	Soil	28	32	0.68	191	0.089	<1	2.14	0.009	0.21	0.2	0.03	3.2	0.2	<0.05	6	<0.5
145223	Soil	27	43	1.13	203	0.167	<1	2.63	0.010	0.82	0.1	0.03	2.6	0.6	<0.05	7	<0.5
145224	Soil	21	39	1.00	227	0.153	<1	2.82	0.008	0.69	0.2	0.02	2.5	0.6	<0.05	7	<0.5
145225	Soil	23	33	0.78	197	0.144	1	2.39	0.009	0.26	0.1	0.02	2.5	0.3	<0.05	8	<0.5
145226	Soil	19	27	0.41	165	0.070	<1	1.81	0.007	0.07	0.1	0.02	2.6	0.1	<0.05	6	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
145227	Soil	1.1	19.3	13.5	65	<0.1	20.6	9.5	242	2.88	16.9	1.0	3.2	5.4	10	0.2	0.7	0.2	52	0.08	0.027
145228	Soil	1.1	23.1	48.3	74	<0.1	20.8	10.0	325	3.12	33.5	1.7	2.1	6.3	18	0.1	1.2	0.2	63	0.13	0.028
145229	Soil	0.8	44.7	16.2	82	<0.1	28.9	16.5	529	3.77	26.6	2.1	8.4	12.2	12	0.1	0.8	0.3	54	0.11	0.041
145230	Soil	0.8	29.5	16.0	94	<0.1	29.9	14.5	408	4.04	25.5	1.5	4.5	13.4	11	<0.1	0.8	0.3	52	0.09	0.030
145231	Soil	1.0	28.3	16.0	73	<0.1	26.4	11.5	331	3.26	28.1	2.2	1.5	8.2	20	0.1	1.3	0.2	64	0.19	0.036
145232	Soil	1.4	33.1	23.7	89	0.1	34.8	11.3	320	3.07	100.8	3.1	3.8	3.3	19	0.1	3.7	0.2	54	0.12	0.048
145233	Soil	0.8	23.2	20.0	60	<0.1	27.6	16.5	466	3.45	43.2	1.2	1.8	11.3	10	0.1	1.5	0.2	48	0.09	0.036
145234	Soil	0.6	35.6	24.4	94	<0.1	29.9	16.8	582	4.23	28.9	1.7	1.1	16.4	13	<0.1	0.9	0.3	52	0.18	0.068
146155	Soil	0.7	29.8	8.4	50	<0.1	18.8	8.3	267	2.33	7.4	1.6	1.6	4.1	37	0.2	0.5	0.1	52	0.50	0.061
146156	Soil	0.6	30.8	8.8	51	<0.1	20.9	9.1	345	2.47	7.1	1.5	1.6	3.4	43	0.1	0.7	0.1	56	0.56	0.063
146157	Soil	0.8	33.9	8.8	51	<0.1	21.0	11.1	339	2.67	8.3	1.6	8.2	4.3	37	0.1	0.6	0.2	59	0.49	0.056
146158	Soil	0.8	50.1	11.3	65	<0.1	27.7	12.0	421	3.27	6.8	1.8	2.8	7.3	37	0.1	0.6	0.2	74	0.53	0.054
146159	Soil	0.7	47.3	8.4	62	0.1	27.1	9.3	258	2.76	6.4	1.8	2.4	5.3	31	0.1	0.6	0.3	62	0.41	0.050
146160	Soil	0.7	69.6	9.2	70	0.1	27.3	14.2	446	3.61	9.1	1.9	6.7	4.8	31	0.1	0.6	0.2	78	0.48	0.063
146161	Soil	0.8	98.0	6.1	77	<0.1	22.1	16.2	322	3.88	7.5	1.0	3.4	3.5	37	<0.1	0.5	0.2	98	0.51	0.056
146162	Soil	0.5	113.3	5.7	67	<0.1	20.2	16.9	385	3.85	5.2	1.2	3.4	2.9	35	<0.1	0.4	0.2	105	0.51	0.051
146163	Soil	0.7	51.6	8.0	55	<0.1	19.6	10.6	284	2.83	8.1	1.2	2.6	4.2	27	<0.1	0.6	0.2	64	0.38	0.047
146164	Soil	0.6	57.1	7.2	61	<0.1	19.2	12.1	338	2.65	5.9	1.2	3.1	4.4	28	0.2	0.5	0.1	64	0.37	0.053
146165	Soil	0.9	19.3	12.5	52	0.1	16.9	6.6	230	2.09	7.8	2.0	4.5	8.4	24	0.1	0.5	0.2	37	0.28	0.040
146166	Soil	0.7	15.2	10.8	44	<0.1	13.0	4.9	182	1.85	6.7	1.8	3.8	7.2	20	<0.1	0.5	0.2	33	0.23	0.035
146167	Soil	0.5	13.6	8.4	36	<0.1	10.7	4.1	160	1.51	5.1	2.1	1.5	8.5	15	<0.1	0.4	0.2	28	0.17	0.030
146168	Soil	0.5	8.2	7.5	33	<0.1	9.4	3.4	112	1.33	5.0	0.7	8.0	5.4	12	<0.1	0.4	0.1	26	0.14	0.027
146169	Soil	0.7	18.9	12.3	46	<0.1	17.6	6.2	223	2.13	7.4	1.9	4.1	8.2	22	<0.1	0.5	0.2	41	0.25	0.023
146170	Soil	0.7	35.5	13.7	58	<0.1	25.9	8.9	299	2.84	11.7	2.1	3.7	9.0	27	<0.1	0.8	0.2	51	0.28	0.030
146171	Soil	0.8	22.0	9.2	49	<0.1	21.6	6.8	231	2.25	10.0	1.2	1.8	6.7	20	<0.1	0.7	0.1	46	0.21	0.036
146172	Soil	1.4	35.2	23.1	103	<0.1	42.1	15.8	479	3.94	96.4	1.9	2.6	21.1	23	0.1	1.5	0.3	21	0.09	0.032
146173	Soil	0.8	20.5	10.3	59	<0.1	48.2	6.8	211	2.21	16.4	1.5	3.4	11.4	40	0.1	1.2	0.3	23	0.12	0.016
146174	Soil	1.0	34.5	10.4	60	<0.1	168.9	14.4	365	3.37	108.0	2.4	3.4	7.5	29	<0.1	6.4	0.2	53	0.24	0.038
146175	Soil	0.8	19.5	12.7	49	<0.1	22.4	4.9	220	2.02	6.7	3.1	2.1	12.6	14	<0.1	0.5	0.2	29	0.12	0.019
146176	Soil	0.8	12.3	9.5	44	<0.1	14.7	5.3	162	1.90	7.5	1.0	2.5	6.6	13	<0.1	0.5	0.2	33	0.10	0.020



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145227	Soil	12	29	0.50	148	0.064	1	2.06	0.005	0.08	0.2	0.04	2.8	0.2	<0.05	5	<0.5	<0.2
145228	Soil	25	31	0.62	206	0.093	<1	2.16	0.007	0.13	0.1	0.08	3.8	0.2	<0.05	6	<0.5	<0.2
145229	Soil	17	38	0.74	198	0.165	1	2.59	0.008	0.51	0.1	0.05	4.8	0.4	<0.05	6	<0.5	<0.2
145230	Soil	27	36	0.86	280	0.179	<1	2.43	0.006	0.63	0.1	0.04	4.2	0.5	<0.05	7	<0.5	<0.2
145231	Soil	34	43	0.83	206	0.095	<1	2.33	0.007	0.23	0.1	0.03	4.6	0.3	<0.05	6	<0.5	<0.2
145232	Soil	31	47	0.63	263	0.053	<1	1.64	0.006	0.09	0.1	0.07	3.1	0.2	<0.05	5	<0.5	<0.2
145233	Soil	16	31	0.61	126	0.091	<1	2.13	0.006	0.26	0.1	0.02	3.0	0.2	<0.05	5	<0.5	<0.2
145234	Soil	23	40	0.96	171	0.200	<1	2.74	0.008	0.77	0.1	0.01	3.4	0.6	<0.05	7	<0.5	<0.2
146155	Soil	18	26	0.50	302	0.068	<1	1.48	0.013	0.06	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
146156	Soil	17	29	0.56	347	0.066	<1	1.55	0.015	0.06	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
146157	Soil	18	26	0.56	342	0.071	<1	1.57	0.014	0.06	0.2	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
146158	Soil	26	35	0.69	399	0.093	<1	2.09	0.014	0.19	0.1	0.02	5.4	0.1	<0.05	6	<0.5	<0.2
146159	Soil	19	35	0.67	311	0.078	2	1.73	0.013	0.19	0.1	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
146160	Soil	17	31	0.72	364	0.079	3	1.97	0.014	0.19	0.1	0.04	5.7	<0.1	<0.05	6	<0.5	<0.2
146161	Soil	11	26	0.93	362	0.089	1	2.02	0.017	0.08	<0.1	0.02	5.8	<0.1	<0.05	6	0.5	<0.2
146162	Soil	8	24	0.78	308	0.086	1	2.04	0.020	0.09	<0.1	0.04	6.5	<0.1	<0.05	7	<0.5	<0.2
146163	Soil	13	25	0.56	320	0.074	<1	1.48	0.014	0.08	0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
146164	Soil	15	23	0.63	393	0.069	<1	1.40	0.013	0.16	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
146165	Soil	28	22	0.35	457	0.043	2	1.22	0.008	0.08	0.2	0.06	3.5	0.1	<0.05	4	0.9	<0.2
146166	Soil	24	18	0.32	303	0.043	<1	1.09	0.008	0.06	0.2	0.03	2.8	<0.1	<0.05	3	0.6	<0.2
146167	Soil	26	16	0.28	255	0.039	<1	0.87	0.006	0.05	0.1	0.03	2.4	<0.1	<0.05	3	0.7	<0.2
146168	Soil	14	15	0.23	134	0.041	<1	0.72	0.005	0.05	0.2	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
146169	Soil	27	27	0.41	305	0.060	1	1.28	0.009	0.09	0.1	0.03	3.5	0.1	<0.05	4	0.7	<0.2
146170	Soil	27	31	0.48	467	0.059	<1	1.75	0.011	0.08	0.1	0.06	5.4	0.1	<0.05	5	0.9	<0.2
146171	Soil	24	27	0.46	211	0.061	<1	1.24	0.010	0.06	0.1	0.03	3.2	<0.1	<0.05	4	0.7	<0.2
146172	Soil	48	14	0.08	230	0.004	<1	0.50	0.002	0.08	<0.1	0.19	3.5	<0.1	<0.05	2	0.7	<0.2
146173	Soil	19	22	0.16	463	0.006	<1	0.76	0.004	0.08	<0.1	0.07	3.8	<0.1	<0.05	3	0.6	<0.2
146174	Soil	23	61	0.42	351	0.045	<1	1.43	0.009	0.08	<0.1	0.12	6.7	0.2	<0.05	5	0.7	<0.2
146175	Soil	37	21	0.23	209	0.029	<1	0.97	0.005	0.09	<0.1	0.10	3.6	0.1	<0.05	3	<0.5	<0.2
146176	Soil	17	18	0.24	120	0.030	<1	0.91	0.005	0.08	<0.1	0.03	2.2	0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
146177	Soil	0.8	17.1	10.5	43	<0.1	18.5	5.6	216	1.77	7.0	1.5	4.7	8.3	21	<0.1	0.6	0.2	34	0.20	0.040
146178	Soil	0.6	19.9	7.9	44	<0.1	16.2	5.1	170	1.84	7.7	1.4	5.8	6.2	21	<0.1	0.6	0.1	37	0.26	0.059
146179	Soil	0.8	17.7	10.0	44	<0.1	16.8	5.9	245	1.94	8.4	1.5	2.9	6.9	21	<0.1	0.7	0.1	35	0.19	0.026
146180	Soil	0.8	18.9	9.0	45	<0.1	19.6	5.4	199	1.84	8.6	3.1	2.9	7.5	24	0.1	0.6	0.1	35	0.26	0.039
146181	Soil	0.8	18.5	10.8	49	0.1	18.9	7.6	242	2.10	8.5	2.8	7.0	7.6	27	<0.1	0.6	0.2	37	0.31	0.041
146182	Soil	0.9	18.1	11.0	44	0.1	15.1	7.5	288	2.17	8.8	2.5	2.5	5.4	24	<0.1	0.5	0.2	38	0.30	0.048
146183	Soil	0.8	15.0	8.8	43	<0.1	13.1	6.0	189	1.88	7.1	1.4	2.6	6.1	23	<0.1	0.5	0.1	38	0.28	0.049
146184	Soil	0.5	18.6	7.3	39	<0.1	12.4	5.5	164	1.80	6.4	1.3	2.8	5.2	22	<0.1	0.5	0.1	37	0.29	0.045
146185	Soil	0.8	26.6	9.8	46	<0.1	16.9	6.6	192	2.12	7.4	1.7	12.1	5.7	26	<0.1	0.5	0.1	44	0.34	0.055
146186	Soil	0.8	32.0	9.3	61	<0.1	21.2	8.6	245	2.47	8.1	1.6	3.2	5.9	30	0.1	0.6	0.2	49	0.39	0.056
146187	Soil	0.7	24.4	9.2	52	<0.1	16.9	8.3	257	2.32	7.6	1.2	5.5	4.6	29	<0.1	0.5	0.2	48	0.40	0.051
146188	Soil	0.7	25.8	10.5	60	0.1	18.7	7.4	251	2.31	8.8	1.4	4.2	6.5	30	0.2	0.7	0.2	45	0.38	0.059
146189	Soil	0.6	24.9	10.0	55	<0.1	18.6	8.7	248	2.06	7.7	1.4	4.5	5.4	29	0.2	0.7	0.2	39	0.37	0.061
146190	Soil	0.7	24.6	10.4	55	<0.1	17.4	8.6	249	2.07	8.0	1.5	3.7	5.6	29	0.2	0.7	0.2	40	0.38	0.065
146191	Soil	0.8	13.3	15.7	62	<0.1	17.9	10.7	489	2.70	13.0	1.4	4.0	6.6	16	0.1	0.6	0.3	48	0.21	0.082
146192	Soil	0.5	14.8	13.4	71	<0.1	17.8	10.5	538	2.89	9.6	2.2	4.7	14.5	22	0.1	0.5	0.2	47	0.28	0.069
146193	Soil	0.7	18.2	12.4	66	<0.1	17.5	10.7	462	2.59	12.6	1.7	3.9	13.0	18	0.2	0.6	0.3	45	0.23	0.059
146194	Soil	0.9	13.6	13.9	71	<0.1	16.5	9.9	427	2.69	11.8	1.7	4.6	10.6	17	0.2	0.5	0.2	46	0.23	0.072
146195	Soil	1.2	15.6	13.4	63	<0.1	18.2	9.1	311	2.69	13.3	1.7	5.4	9.5	15	<0.1	0.5	0.3	49	0.17	0.054
146196	Soil	1.1	13.8	19.5	91	<0.1	16.4	10.7	618	3.23	14.8	2.8	1.6	18.4	16	0.1	0.5	0.1	50	0.34	0.090
146197	Soil	2.2	13.0	15.5	52	<0.1	12.3	7.4	339	2.33	15.8	2.1	11.0	9.8	12	0.1	0.4	0.5	45	0.16	0.045
146198	Soil	1.9	9.2	13.4	76	<0.1	15.1	12.5	592	3.16	14.8	2.4	2.4	11.7	20	0.1	0.4	0.2	61	0.32	0.092
146199	Soil	0.9	9.3	15.5	93	<0.1	17.4	15.0	716	3.87	8.0	2.6	1.9	21.1	24	0.1	0.4	<0.1	77	0.51	0.142
146200	Soil	1.3	20.4	9.9	70	<0.1	28.5	12.7	428	3.09	20.5	2.0	6.5	7.8	20	0.2	0.8	0.1	63	0.25	0.078
146201	Soil	1.4	23.8	11.5	77	<0.1	37.9	15.9	534	3.72	25.6	2.7	7.9	14.0	23	<0.1	0.6	<0.1	81	0.44	0.144
146202	Soil	1.0	30.7	9.0	62	<0.1	139.9	20.7	443	3.27	21.7	2.9	1.5	10.9	35	<0.1	0.5	<0.1	70	0.60	0.139
146203	Soil	1.2	15.6	11.6	48	0.3	15.8	5.3	143	2.24	20.2	1.2	3.0	3.0	15	<0.1	0.6	0.2	50	0.11	0.038
146204	Soil	1.4	19.9	11.3	92	<0.1	49.6	18.3	700	4.26	21.9	4.0	1.5	19.5	30	0.1	0.6	<0.1	86	0.54	0.162
146205	Soil	1.1	15.8	11.0	70	<0.1	19.9	11.4	417	3.18	23.3	2.5	18.5	11.1	23	<0.1	0.5	<0.1	61	0.32	0.092
146206	Soil	1.5	25.3	11.8	75	0.2	22.9	9.7	285	2.64	21.5	2.0	4.8	6.0	22	0.1	1.0	0.2	54	0.26	0.067



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
146177	Soil	24	21	0.31	237	0.047	1	0.97	0.007	0.07	0.1	0.04	3.1	<0.1	<0.05	3	0.6	<0.2
146178	Soil	19	21	0.35	284	0.048	<1	0.92	0.008	0.05	0.2	0.06	3.1	<0.1	<0.05	3	0.8	<0.2
146179	Soil	21	20	0.30	245	0.042	<1	1.05	0.006	0.07	0.1	0.05	3.2	<0.1	<0.05	3	<0.5	<0.2
146180	Soil	23	22	0.30	303	0.042	<1	0.98	0.007	0.07	0.2	0.06	3.7	<0.1	<0.05	3	<0.5	<0.2
146181	Soil	24	25	0.33	377	0.036	<1	1.27	0.007	0.08	0.1	0.05	3.6	<0.1	<0.05	4	0.8	<0.2
146182	Soil	27	22	0.31	440	0.030	<1	1.30	0.007	0.07	0.2	0.07	3.5	<0.1	<0.05	4	0.7	<0.2
146183	Soil	19	21	0.38	278	0.051	2	1.12	0.009	0.06	0.2	0.04	2.5	<0.1	<0.05	4	0.5	<0.2
146184	Soil	17	20	0.37	235	0.051	<1	1.01	0.009	0.05	0.2	0.03	2.6	<0.1	<0.05	3	0.6	<0.2
146185	Soil	19	26	0.43	292	0.047	<1	1.20	0.009	0.08	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
146186	Soil	20	27	0.48	375	0.055	<1	1.35	0.011	0.09	0.2	0.03	4.0	<0.1	<0.05	5	0.6	<0.2
146187	Soil	16	24	0.43	334	0.053	1	1.34	0.012	0.06	0.2	0.03	3.5	<0.1	<0.05	4	0.8	<0.2
146188	Soil	19	25	0.43	347	0.058	<1	1.34	0.012	0.07	0.2	0.08	3.5	<0.1	<0.05	4	0.8	<0.2
146189	Soil	18	20	0.41	318	0.056	<1	1.17	0.012	0.07	0.2	0.03	3.2	<0.1	<0.05	4	0.8	<0.2
146190	Soil	18	21	0.41	325	0.054	<1	1.17	0.012	0.06	0.1	0.03	3.0	<0.1	<0.05	3	0.6	<0.2
146191	Soil	17	25	0.56	120	0.065	2	1.79	0.007	0.21	0.2	0.02	2.3	0.3	<0.05	5	0.9	<0.2
146192	Soil	32	24	0.79	275	0.120	<1	1.96	0.008	0.46	0.3	0.03	3.6	0.5	<0.05	6	0.6	<0.2
146193	Soil	36	23	0.59	218	0.087	<1	1.58	0.008	0.22	0.3	0.03	3.8	0.3	<0.05	5	<0.5	<0.2
146194	Soil	23	24	0.64	185	0.092	<1	1.80	0.008	0.26	0.4	0.02	2.9	0.3	<0.05	5	0.6	<0.2
146195	Soil	20	26	0.52	140	0.059	<1	1.75	0.007	0.09	0.2	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
146196	Soil	26	27	0.98	135	0.152	<1	2.07	0.007	0.78	0.2	0.01	3.3	0.9	<0.05	8	<0.5	<0.2
146197	Soil	19	24	0.50	99	0.076	1	1.45	0.007	0.17	0.3	0.03	2.0	0.3	<0.05	5	<0.5	<0.2
146198	Soil	23	34	0.98	167	0.122	<1	2.15	0.008	0.47	0.3	0.01	2.5	0.4	<0.05	7	<0.5	<0.2
146199	Soil	28	45	1.56	226	0.166	<1	3.06	0.010	1.32	0.2	0.01	3.7	0.9	<0.05	9	<0.5	<0.2
146200	Soil	18	59	0.96	152	0.105	1	2.07	0.007	0.45	0.1	0.01	3.0	0.4	<0.05	6	<0.5	<0.2
146201	Soil	40	100	1.46	168	0.160	<1	2.86	0.009	0.94	0.2	0.02	3.3	0.6	<0.05	8	<0.5	<0.2
146202	Soil	47	253	2.39	301	0.167	<1	2.90	0.009	1.03	0.2	0.02	4.6	0.6	<0.05	7	<0.5	<0.2
146203	Soil	18	23	0.40	134	0.046	2	1.55	0.006	0.08	0.2	0.04	2.1	0.1	<0.05	5	<0.5	<0.2
146204	Soil	47	114	1.92	218	0.175	<1	3.30	0.009	1.33	0.1	0.01	4.0	0.8	<0.05	9	<0.5	<0.2
146205	Soil	26	41	1.03	213	0.115	1	2.30	0.008	0.59	0.1	0.01	2.7	0.4	<0.05	6	<0.5	<0.2
146206	Soil	24	31	0.59	229	0.086	<1	1.78	0.009	0.15	0.1	0.03	3.1	0.1	<0.05	5	<0.5	<0.2



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Project: Wounded Moose
Report Date: September 12, 2011

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CERTIFICATE OF ANALYSIS

WHI11000826.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
146207	Soil	0.7	10.8	10.0	64	0.1	16.9	8.5	253	2.43	14.7	2.6	0.8	7.3	23	<0.1	0.5	0.1	48	0.34
146208	Soil	0.8	9.4	9.3	56	0.1	16.5	8.3	269	2.55	12.7	2.1	2.0	6.9	20	<0.1	0.5	0.1	49	0.30
146209	Soil	0.8	9.7	9.8	63	<0.1	17.2	8.9	307	2.77	9.2	1.4	2.8	7.8	18	<0.1	0.4	0.1	58	0.25
146210	Soil	0.8	9.6	8.9	60	0.2	16.3	8.7	289	2.62	8.1	1.8	0.9	8.5	19	<0.1	0.3	0.1	56	0.25
146211	Soil	0.6	8.7	8.7	64	0.1	18.8	10.5	415	2.78	8.3	2.0	2.1	8.1	30	<0.1	0.3	<0.1	58	0.38
146212	Soil	0.8	9.5	10.6	62	<0.1	16.5	10.2	405	2.90	9.6	1.4	<0.5	9.6	20	<0.1	0.4	0.1	59	0.28
146213	Soil	0.7	9.2	9.6	58	<0.1	13.2	7.8	245	2.61	9.0	1.0	1.7	6.4	17	<0.1	0.3	0.1	55	0.21
146214	Soil	0.9	9.6	10.6	59	<0.1	16.0	10.7	354	3.03	10.5	1.2	2.2	8.1	19	<0.1	0.4	0.1	60	0.23
146215	Soil	0.8	10.4	9.0	46	0.1	11.6	6.5	223	2.37	9.0	1.6	1.7	3.8	17	<0.1	0.3	0.1	51	0.18
146216	Soil	0.8	20.9	12.0	78	<0.1	24.5	11.3	409	2.91	16.1	3.1	2.2	13.4	20	0.2	0.8	<0.1	55	0.33
146217	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.
146218	Soil	0.8	14.7	16.4	77	<0.1	28.1	13.1	582	3.36	13.8	3.2	1.5	15.0	25	<0.1	0.6	0.1	71	0.27
146219	Soil	1.0	10.9	13.0	50	<0.1	14.7	6.9	259	2.49	11.5	1.7	1.8	8.0	15	0.1	0.5	0.2	54	0.16
146220	Soil	0.9	12.9	11.6	48	<0.1	14.7	6.9	236	2.40	10.4	1.8	3.1	4.7	17	<0.1	0.5	0.2	50	0.20
146221	Soil	0.8	11.5	13.8	58	<0.1	18.1	10.1	451	2.50	13.7	1.5	1.9	11.7	21	0.1	0.5	0.1	44	0.27
146222	Soil	0.9	14.4	13.9	53	<0.1	16.4	8.5	275	2.62	11.3	1.7	4.7	9.3	17	<0.1	0.5	0.2	50	0.17
146223	Soil	1.2	14.0	20.8	53	<0.1	14.0	7.3	320	2.39	14.5	1.8	4.7	6.2	16	0.2	0.6	0.3	47	0.15
146224	Soil	0.8	14.6	16.4	52	<0.1	15.3	8.1	331	2.17	21.6	1.8	13.2	8.5	16	<0.1	0.6	0.2	36	0.17
146225	Soil	0.9	17.2	14.5	57	<0.1	25.2	9.9	322	2.40	14.4	1.7	5.8	11.7	16	<0.1	0.5	0.2	42	0.18



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Project: Wounded Moose
Report Date: September 12, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
146207	Soil	35	33	0.79	159	0.103	<1	1.84	0.009	0.42	0.2	0.04	2.6	0.4	<0.05	6	<0.5	<0.2
146208	Soil	35	38	0.77	142	0.105	<1	1.82	0.008	0.43	0.2	0.04	2.5	0.4	<0.05	6	<0.5	<0.2
146209	Soil	22	35	0.77	117	0.109	1	1.98	0.009	0.19	0.3	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
146210	Soil	30	36	0.77	130	0.108	1	1.80	0.009	0.22	0.3	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
146211	Soil	36	41	0.95	139	0.121	2	1.97	0.011	0.43	0.2	0.02	3.0	0.3	<0.05	7	<0.5	<0.2
146212	Soil	23	33	0.81	118	0.114	1	1.82	0.009	0.28	0.2	0.02	2.7	0.3	<0.05	6	<0.5	<0.2
146213	Soil	19	27	0.65	107	0.101	2	1.76	0.008	0.15	0.2	0.03	2.3	0.2	<0.05	6	<0.5	<0.2
146214	Soil	21	32	0.78	123	0.108	<1	2.03	0.010	0.24	0.2	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
146215	Soil	29	27	0.55	117	0.078	2	1.51	0.008	0.15	0.2	0.04	1.9	0.2	<0.05	5	<0.5	<0.2
146216	Soil	30	53	0.84	184	0.134	<1	2.01	0.007	0.65	0.2	0.01	3.4	0.5	<0.05	6	<0.5	<0.2
146217	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.
146218	Soil	64	73	1.03	148	0.141	<1	2.49	0.009	0.56	0.2	0.02	4.0	0.5	<0.05	9	<0.5	<0.2
146219	Soil	22	33	0.52	109	0.085	1	1.71	0.010	0.13	0.2	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
146220	Soil	26	31	0.50	150	0.071	1	1.60	0.007	0.13	0.2	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
146221	Soil	22	41	0.59	118	0.100	<1	1.99	0.007	0.21	0.2	0.01	2.5	0.2	<0.05	6	<0.5	<0.2
146222	Soil	24	27	0.55	154	0.074	<1	1.81	0.008	0.13	0.2	0.02	2.8	0.2	<0.05	5	0.5	<0.2
146223	Soil	27	25	0.40	141	0.063	<1	1.78	0.007	0.11	0.2	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
146224	Soil	28	27	0.47	124	0.078	<1	1.63	0.007	0.19	0.4	0.02	1.9	0.3	<0.05	5	<0.5	<0.2
146225	Soil	26	52	0.59	183	0.094	1	1.75	0.008	0.16	0.2	0.02	2.9	0.3	<0.05	5	<0.5	<0.2



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Project:

Wounded Moose

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Part 1

QUALITY CONTROL REPORT

WHI11000826.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
100446	Soil	0.9	12.4	10.3	80	<0.1	22.5	12.0	563	3.42	34.9	1.2	2.0	5.7	23	<0.1	0.8	0.2	67	0.33	0.118
REP 100446	QC	0.8	12.9	10.5	83	<0.1	22.3	11.9	566	3.45	34.8	1.2	1.5	5.7	22	<0.1	0.7	0.2	67	0.32	0.119
101752	Soil	0.7	20.5	12.6	78	0.2	19.8	10.6	706	2.72	32.9	1.2	0.6	5.9	29	0.2	6.5	0.2	39	0.80	0.070
REP 101752	QC	0.7	19.6	12.0	73	0.2	19.7	9.9	660	2.59	32.0	1.2	1.6	5.7	27	0.4	6.5	0.2	36	0.76	0.069
101770	Soil	1.2	16.6	13.8	86	<0.1	18.3	14.6	476	3.54	9.7	1.8	3.3	9.7	21	0.1	0.9	0.2	73	0.18	0.047
REP 101770	QC	1.1	16.1	14.1	90	<0.1	18.5	14.8	470	3.61	9.9	1.8	3.1	9.9	22	0.1	0.7	0.2	73	0.20	0.046
101789	Soil	0.9	15.0	11.5	65	<0.1	23.8	14.4	412	3.16	8.7	1.1	1.4	8.6	21	<0.1	0.6	0.1	64	0.22	0.059
REP 101789	QC	0.9	13.7	11.1	63	<0.1	21.8	13.6	406	3.10	8.4	1.0	2.6	8.2	21	<0.1	0.6	0.1	65	0.21	0.060
101799	Soil	0.6	14.0	10.6	77	<0.1	20.3	14.6	477	3.43	12.3	1.0	<0.5	9.2	26	0.2	0.5	<0.1	63	0.29	0.090
REP 101799	QC	0.6	14.1	10.7	75	<0.1	19.8	14.6	487	3.38	12.3	1.0	3.8	8.9	25	0.1	0.5	<0.1	62	0.28	0.086
110627	Soil	1.3	50.7	18.0	89	<0.1	33.8	11.1	542	3.99	51.7	1.9	6.3	17.2	22	<0.1	1.1	0.3	32	0.23	0.039
REP 110627	QC	1.1	49.1	17.9	84	<0.1	33.0	11.0	523	3.87	50.7	1.7	6.2	16.9	21	<0.1	1.1	0.3	31	0.23	0.037
110644	Soil	0.8	27.0	9.8	47	0.1	18.9	8.2	280	2.19	9.8	1.5	5.9	8.5	29	<0.1	0.5	0.1	41	0.49	0.051
REP 110644	QC	0.9	26.3	9.2	45	0.1	17.9	8.1	279	2.15	9.4	1.4	1.9	8.3	29	<0.1	0.5	0.1	40	0.50	0.049
110663	Soil	0.9	25.1	9.7	59	0.1	19.3	8.0	253	2.46	10.0	4.6	10.0	7.4	26	0.1	0.7	0.2	44	0.38	0.060
REP 110663	QC	0.7	25.6	9.6	57	0.1	20.4	7.8	241	2.38	9.4	4.4	1.4	7.4	26	0.1	0.7	0.2	43	0.37	0.059
110679	Soil	0.8	31.0	10.5	58	0.2	26.6	10.1	466	2.56	12.7	3.0	4.0	4.2	42	0.3	0.7	0.2	49	0.88	0.067
REP 110679	QC	0.7	31.8	10.3	58	0.2	26.1	9.8	451	2.48	12.0	3.0	2.5	4.1	42	0.3	0.7	0.1	49	0.88	0.066
112844	Soil	0.9	23.0	8.6	50	<0.1	19.9	6.4	200	2.14	10.0	1.5	3.1	7.0	27	<0.1	0.7	0.2	41	0.32	0.044
REP 112844	QC	0.9	22.2	8.4	49	<0.1	18.6	6.1	196	2.09	9.6	1.6	9.4	7.0	27	<0.1	0.7	0.2	41	0.31	0.042
112862	Soil	0.7	12.5	8.8	50	<0.1	15.2	6.9	191	2.32	8.8	1.6	2.3	4.1	17	<0.1	0.4	0.1	52	0.18	0.044
REP 112862	QC	0.7	12.7	9.4	51	<0.1	15.3	7.1	194	2.30	8.9	1.6	3.0	4.1	17	<0.1	0.4	0.1	52	0.18	0.045
112880	Soil	0.7	12.6	8.5	43	0.4	11.9	6.0	190	2.19	8.2	2.1	0.7	3.7	26	<0.1	0.3	0.1	50	0.24	0.031
REP 112880	QC	0.7	13.0	8.1	42	0.4	11.9	6.1	194	2.20	8.2	2.2	0.6	3.6	27	<0.1	0.3	0.1	50	0.24	0.031
112888	Soil	0.8	15.2	11.1	63	<0.1	16.7	9.1	333	2.57	9.5	1.3	5.5	9.9	17	<0.1	0.5	0.1	46	0.23	0.049
REP 112888	QC	0.7	14.9	10.9	60	<0.1	17.6	9.3	330	2.57	9.6	1.3	1.4	9.5	16	<0.1	0.5	0.1	45	0.23	0.049
145212	Soil	1.1	21.7	12.1	72	<0.1	22.1	8.9	278	2.95	22.5	1.2	6.8	6.3	14	<0.1	0.6	0.3	57	0.12	0.030
REP 145212	QC	1.2	21.3	12.8	73	<0.1	22.9	8.8	277	2.95	22.7	1.2	7.1	6.7	14	<0.1	0.7	0.3	59	0.13	0.031



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Part 2

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
100446	Soil	31	49	1.14	183	0.092	1	2.42	0.008	0.68	0.2	0.03	3.2	0.5	<0.05	7	<0.5	<0.2
REP 100446	QC	31	49	1.13	179	0.091	2	2.39	0.008	0.68	0.1	0.03	3.2	0.5	<0.05	7	<0.5	<0.2
101752	Soil	18	24	0.43	301	0.058	1	1.37	0.009	0.17	0.2	0.03	3.8	0.2	<0.05	4	0.6	<0.2
REP 101752	QC	17	23	0.42	294	0.055	1	1.32	0.009	0.17	0.2	0.04	3.5	0.2	<0.05	4	<0.5	<0.2
101770	Soil	22	35	0.90	226	0.163	1	2.79	0.011	0.41	0.1	0.03	4.0	0.4	<0.05	6	1.0	<0.2
REP 101770	QC	23	36	0.90	236	0.167	1	2.87	0.012	0.40	0.1	0.04	4.0	0.4	<0.05	7	0.9	<0.2
101789	Soil	20	41	0.93	198	0.141	<1	2.52	0.009	0.39	0.1	0.01	2.6	0.4	<0.05	6	0.7	<0.2
REP 101789	QC	20	41	0.92	196	0.147	1	2.40	0.010	0.38	0.2	0.01	2.6	0.4	<0.05	6	0.7	<0.2
101799	Soil	18	34	1.05	210	0.105	<1	2.65	0.009	0.56	0.1	0.02	3.0	0.5	<0.05	6	0.6	<0.2
REP 101799	QC	18	34	1.04	207	0.106	<1	2.71	0.009	0.57	0.1	0.03	2.8	0.5	<0.05	6	<0.5	<0.2
110627	Soil	60	23	0.12	397	0.002	<1	0.81	0.003	0.11	<0.1	0.30	5.8	0.2	<0.05	3	<0.5	<0.2
REP 110627	QC	58	22	0.12	395	0.002	<1	0.77	0.003	0.11	<0.1	0.31	5.9	0.2	<0.05	3	<0.5	<0.2
110644	Soil	45	24	0.40	330	0.028	<1	1.25	0.010	0.06	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
REP 110644	QC	45	24	0.39	328	0.025	<1	1.22	0.009	0.06	0.2	0.03	4.1	<0.1	<0.05	4	0.7	<0.2
110663	Soil	27	26	0.40	362	0.054	1	1.45	0.011	0.08	0.2	0.03	4.3	0.1	<0.05	4	<0.5	<0.2
REP 110663	QC	27	25	0.39	348	0.054	1	1.45	0.011	0.07	0.2	0.05	4.3	0.1	<0.05	5	<0.5	<0.2
110679	Soil	18	27	0.42	453	0.050	2	1.56	0.011	0.05	0.2	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
REP 110679	QC	17	27	0.40	439	0.048	1	1.52	0.011	0.05	0.2	0.06	4.0	<0.1	<0.05	4	0.8	<0.2
112844	Soil	24	26	0.34	342	0.055	<1	1.08	0.010	0.07	0.2	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
REP 112844	QC	24	25	0.34	335	0.055	<1	1.15	0.010	0.07	0.2	0.03	3.4	<0.1	<0.05	4	0.5	<0.2
112862	Soil	24	32	0.59	115	0.081	1	1.62	0.010	0.10	0.1	0.06	2.2	0.2	<0.05	5	<0.5	<0.2
REP 112862	QC	24	32	0.60	121	0.081	<1	1.59	0.010	0.10	0.2	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
112880	Soil	28	33	0.66	120	0.099	1	1.66	0.011	0.18	0.1	0.04	2.5	0.2	<0.05	7	<0.5	<0.2
REP 112880	QC	28	33	0.66	121	0.098	1	1.63	0.010	0.17	0.1	0.04	2.4	0.2	<0.05	7	<0.5	<0.2
112888	Soil	26	26	0.61	235	0.086	<1	1.60	0.008	0.15	0.2	0.03	3.0	0.2	<0.05	5	<0.5	<0.2
REP 112888	QC	25	25	0.60	231	0.087	<1	1.53	0.009	0.15	0.2	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
145212	Soil	24	32	0.51	201	0.075	1	1.70	0.006	0.14	0.1	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
REP 145212	QC	24	32	0.51	202	0.076	<1	1.70	0.006	0.14	0.2	0.02	2.7	0.2	<0.05	5	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
146155	Soil	0.7	29.8	8.4	50	<0.1	18.8	8.3	267	2.33	7.4	1.6	1.6	4.1	37	0.2	0.5	0.1	52	0.50
REP 146155	QC	0.6	31.7	8.7	51	<0.1	19.8	8.5	270	2.39	7.4	1.7	1.4	4.1	38	0.1	0.6	0.1	55	0.52
146168	Soil	0.5	8.2	7.5	33	<0.1	9.4	3.4	112	1.33	5.0	0.7	8.0	5.4	12	<0.1	0.4	0.1	26	0.14
REP 146168	QC	0.5	8.0	7.5	32	<0.1	9.1	3.4	118	1.33	5.2	0.7	2.5	5.1	13	<0.1	0.4	0.1	27	0.14
146188	Soil	0.7	25.8	10.5	60	0.1	18.7	7.4	251	2.31	8.8	1.4	4.2	6.5	30	0.2	0.7	0.2	45	0.38
REP 146188	QC	0.8	27.0	10.7	62	0.1	18.4	7.5	246	2.33	9.2	1.4	4.4	6.8	31	0.1	0.6	0.2	45	0.42
146207	Soil	0.7	10.8	10.0	64	0.1	16.9	8.5	253	2.43	14.7	2.6	0.8	7.3	23	<0.1	0.5	0.1	48	0.34
REP 146207	QC	0.7	10.9	9.7	64	0.1	16.8	8.8	267	2.57	15.1	2.6	0.9	7.1	23	<0.1	0.5	0.1	50	0.33
146225	Soil	0.9	17.2	14.5	57	<0.1	25.2	9.9	322	2.40	14.4	1.7	5.8	11.7	16	<0.1	0.5	0.2	42	0.18
REP 146225	QC	0.8	17.0	13.8	58	<0.1	24.9	10.1	337	2.41	14.8	1.7	3.4	11.6	16	0.1	0.5	0.2	42	0.17
Reference Materials																				
STD DS8	Standard	13.1	102.4	122.2	303	1.8	36.4	7.2	583	2.31	23.1	2.8	110.3	6.6	63	1.9	5.0	5.8	40	0.69
STD DS8	Standard	14.2	119.3	127.5	322	1.8	39.9	7.8	602	2.42	25.1	3.1	126.1	7.6	74	2.1	6.3	7.7	44	0.70
STD DS8	Standard	13.5	105.7	134.3	305	1.7	35.5	7.3	574	2.27	24.4	3.4	117.6	8.4	79	2.1	7.0	7.7	43	0.68
STD DS8	Standard	13.2	106.8	113.6	298	1.8	36.3	7.4	604	2.40	24.1	2.5	111.9	6.7	64	2.2	4.9	5.9	41	0.70
STD DS8	Standard	13.1	107.9	124.9	310	1.8	38.2	7.6	629	2.53	24.9	2.8	121.6	6.8	61	2.1	5.1	6.4	42	0.70
STD DS8	Standard	14.3	105.7	122.9	315	1.8	36.0	7.3	605	2.46	25.2	2.8	122.4	7.1	68	2.3	5.6	6.6	41	0.72
STD DS8	Standard	13.7	111.6	126.6	331	1.8	36.8	7.3	631	2.51	26.0	2.7	114.9	7.1	71	2.3	5.7	6.8	43	0.74
STD DS8	Standard	14.2	106.5	126.2	310	1.8	37.3	7.9	610	2.43	24.8	3.1	104.4	7.4	77	2.4	6.1	6.8	41	0.73
STD DS8	Standard	13.5	114.2	128.7	320	1.7	38.3	7.7	623	2.58	25.2	3.1	201.7	7.4	76	2.5	6.2	7.4	46	0.76
STD DS8	Standard	13.4	110.3	125.7	307	1.8	36.7	7.9	615	2.45	25.6	2.9	107.8	7.3	72	2.4	5.9	6.8	43	0.70
STD DS8	Standard	13.5	110.5	126.2	325	1.8	38.0	7.6	628	2.49	26.0	2.8	124.1	7.2	66	2.4	5.2	6.6	43	0.71
STD DS8	Standard	13.4	113.4	126.8	304	1.8	37.6	7.5	592	2.41	25.2	2.9	109.8	7.5	73	2.3	6.0	6.9	42	0.72
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
146155	Soil	18	26	0.50	302	0.068	<1	1.48	0.013	0.06	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
REP 146155	QC	18	27	0.53	298	0.069	<1	1.50	0.014	0.07	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
146168	Soil	14	15	0.23	134	0.041	<1	0.72	0.005	0.05	0.2	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
REP 146168	QC	14	16	0.23	133	0.041	<1	0.71	0.005	0.06	0.1	0.01	1.4	<0.1	<0.05	3	0.5	<0.2
146188	Soil	19	25	0.43	347	0.058	<1	1.34	0.012	0.07	0.2	0.08	3.5	<0.1	<0.05	4	0.8	<0.2
REP 146188	QC	20	25	0.45	366	0.062	1	1.40	0.013	0.07	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
146207	Soil	35	33	0.79	159	0.103	<1	1.84	0.009	0.42	0.2	0.04	2.6	0.4	<0.05	6	<0.5	<0.2
REP 146207	QC	37	35	0.82	170	0.106	<1	1.88	0.009	0.43	0.2	0.04	2.6	0.3	<0.05	5	<0.5	<0.2
146225	Soil	26	52	0.59	183	0.094	1	1.75	0.008	0.16	0.2	0.02	2.9	0.3	<0.05	5	<0.5	<0.2
REP 146225	QC	26	55	0.59	185	0.092	<1	1.78	0.008	0.16	0.2	0.02	2.9	0.3	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	16	114	0.62	287	0.109	2	0.92	0.108	0.44	3.1	0.19	3.0	5.4	0.14	5	5.3	5.2
STD DS8	Standard	17	120	0.62	286	0.136	3	0.92	0.087	0.40	3.0	0.22	2.5	5.5	0.17	5	5.4	4.7
STD DS8	Standard	18	106	0.61	261	0.144	3	0.92	0.085	0.38	2.9	0.20	2.0	5.1	0.16	5	4.9	5.0
STD DS8	Standard	17	115	0.60	275	0.113	2	0.91	0.086	0.40	2.6	0.20	2.3	5.1	0.07	5	5.2	4.9
STD DS8	Standard	17	119	0.64	293	0.111	3	0.95	0.089	0.40	3.0	0.23	2.6	5.7	0.16	5	5.3	5.2
STD DS8	Standard	17	113	0.62	278	0.115	3	0.94	0.091	0.42	2.9	0.19	2.4	5.6	0.16	5	4.5	4.6
STD DS8	Standard	17	116	0.63	295	0.118	3	0.96	0.089	0.44	3.2	0.21	2.4	5.6	0.18	5	5.9	5.2
STD DS8	Standard	18	112	0.64	286	0.131	<1	0.98	0.102	0.43	3.0	0.20	2.4	5.3	0.17	5	3.9	5.2
STD DS8	Standard	18	121	0.69	288	0.133	3	0.99	0.095	0.41	3.1	0.19	2.3	5.5	0.17	5	6.3	5.0
STD DS8	Standard	17	112	0.64	272	0.124	3	0.95	0.091	0.41	3.0	0.19	2.1	5.4	0.19	5	5.0	4.5
STD DS8	Standard	15	118	0.64	282	0.118	3	0.91	0.087	0.42	3.1	0.21	2.3	5.3	0.17	5	4.6	4.8
STD DS8	Standard	18	118	0.63	281	0.125	3	0.94	0.088	0.41	3.0	0.20	2.2	5.2	0.15	5	5.3	5.1
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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



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Project:

Wounded Moose

Report Date:

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QUALITY CONTROL REPORT

WHI11000826.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
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: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 04, 2011
Report Date: September 11, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000827.1

CLIENT JOB INFORMATION

Project: Wounded Moose
Shipment ID: 20110729110515
P.O. Number
Number of Samples: 319

SAMPLE DISPOSAL

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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	319	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	319	Dry at 60C			VAN
1DX2	319	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

Wounded Moose

Report Date:

September 11, 2011

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CERTIFICATE OF ANALYSIS

WHI11000827.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
100343	Soil		0.4	94.6	5.2	61	<0.1	13.3	12.6	303	3.19	4.9	0.7	2.2	2.4	32	<0.1	0.4	0.1	86	0.43	0.049		
100344	Soil		0.3	114.7	6.3	73	0.1	16.4	14.3	384	3.03	4.6	1.2	2.8	2.6	32	0.2	0.5	0.1	83	0.58	0.062		
100345	Soil		<0.1	76.5	7.0	56	<0.1	16.0	12.4	293	2.64	5.4	1.3	6.9	2.8	33	0.2	0.5	0.1	67	0.54	0.066		
100346	Soil		0.3	44.4	8.1	47	0.1	20.7	9.7	387	2.08	6.9	2.2	1.7	1.7	40	0.3	0.6	0.1	41	0.70	0.082		
100347	Soil		<0.1	20.2	10.2	64	<0.1	15.1	8.1	270	2.00	7.0	5.0	3.3	5.6	24	0.3	0.8	0.2	38	0.29	0.071		
100348	Soil		0.4	30.4	9.7	53	0.1	22.3	9.5	405	2.27	9.5	1.7	2.5	3.6	39	0.2	0.8	0.2	44	0.63	0.064		
100349	Soil		0.6	32.7	9.7	51	0.1	23.8	9.7	498	2.27	9.5	1.4	3.0	2.8	45	0.2	0.8	0.2	43	0.76	0.062		
100350	Soil		0.4	36.0	10.2	61	0.1	26.2	9.5	394	2.45	9.5	1.0	3.1	4.6	36	0.2	0.8	0.2	46	0.79	0.056		
100351	Soil		0.5	33.1	9.6	60	0.1	23.5	9.4	401	2.35	10.2	0.8	3.4	3.3	36	0.3	0.9	0.2	45	0.57	0.064		
100352	Soil		0.4	33.1	10.2	60	0.1	22.7	9.8	408	2.33	10.4	0.6	6.0	3.9	32	0.2	0.8	0.2	44	0.70	0.061		
100353	Soil		0.7	31.9	9.6	61	0.1	24.4	9.3	365	2.35	10.1	0.6	2.3	3.9	33	0.2	0.8	0.2	46	0.56	0.066		
100354	Soil		0.4	29.1	8.5	60	0.1	20.0	8.9	372	2.07	8.6	0.9	3.2	3.4	32	0.2	0.7	0.2	40	0.49	0.073		
100355	Soil		0.9	33.4	10.1	60	0.1	22.7	10.8	441	2.64	14.1	1.6	3.0	3.8	39	0.3	0.8	0.2	47	0.59	0.088		
100356	Soil		1.1	39.5	10.9	88	0.2	28.7	10.9	384	2.72	12.0	0.8	2.6	4.7	32	0.5	1.1	0.2	49	0.48	0.080		
100357	Soil		0.6	18.7	9.3	51	<0.1	16.2	8.7	342	2.19	8.2	1.1	1.6	5.3	20	<0.1	0.5	0.2	41	0.24	0.032		
100358	Soil		1.1	37.9	13.4	79	0.1	28.6	9.2	382	3.12	9.2	2.1	3.2	11.1	23	0.1	0.7	0.2	47	0.25	0.043		
100359	Soil		0.7	32.6	10.9	56	<0.1	24.8	8.4	275	2.47	10.0	1.0	2.4	6.3	21	<0.1	0.7	0.2	52	0.26	0.025		
100360	Soil		0.6	27.5	9.4	59	<0.1	20.1	8.3	276	2.35	8.4	1.0	2.1	6.2	23	<0.1	0.6	0.2	47	0.27	0.037		
100361	Soil		1.4	25.6	12.6	64	<0.1	15.8	7.8	324	2.54	4.3	3.3	1.9	16.1	25	0.1	0.4	0.3	28	0.27	0.033		
100362	Soil		0.8	32.5	65.7	131	0.1	22.0	13.4	764	3.64	4.1	2.1	1.6	14.5	34	0.3	0.5	0.4	63	0.59	0.093		
100363	Soil		0.8	29.6	12.3	44	0.1	21.7	10.1	278	2.57	9.4	1.6	2.0	4.8	49	0.2	0.6	0.2	48	0.69	0.049		
100364	Soil		0.7	16.8	8.8	37	<0.1	12.7	4.8	141	1.86	4.7	2.5	0.8	13.3	23	<0.1	0.4	0.1	25	0.21	0.014		
100365	Soil		0.7	21.4	10.9	41	<0.1	15.5	6.8	233	2.12	6.6	1.4	1.7	9.1	28	0.1	0.5	0.2	34	0.32	0.029		
100366	Soil		0.6	33.0	9.1	61	0.1	25.5	9.3	347	2.31	9.1	1.0	2.6	4.4	46	0.3	0.7	0.2	47	1.12	0.070		
100367	Soil		0.7	31.0	9.0	61	0.1	25.0	9.6	384	2.14	8.7	0.8	2.0	4.2	42	0.2	0.8	0.2	46	1.03	0.070		
100368	Soil		0.8	34.8	10.4	64	0.1	23.6	9.7	462	2.32	11.0	0.7	2.6	4.4	34	0.3	0.8	0.2	43	0.64	0.069		
100369	Soil		1.1	34.9	12.7	85	0.2	26.1	10.9	478	2.46	12.3	0.8	1.2	5.6	37	0.5	1.0	0.2	47	0.68	0.071		
100370	Soil		1.1	34.6	10.6	70	0.1	26.3	10.5	421	2.47	11.8	0.7	3.6	5.1	46	0.3	0.9	0.2	45	1.24	0.069		
100371	Soil		0.6	31.9	10.4	57	0.1	22.3	8.2	281	2.27	9.3	0.8	3.0	5.3	30	0.2	0.8	0.2	44	0.41	0.050		
100372	Soil		0.8	33.3	10.5	62	0.1	24.6	9.2	401	2.32	11.5	0.6	7.1	4.7	30	0.3	0.8	0.2	42	0.49	0.068		



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
100343	Soil	9	18	0.72	204	0.080	<1	1.50	0.017	0.03	<0.1	<0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
100344	Soil	9	18	0.77	250	0.074	<1	1.68	0.018	0.09	<0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
100345	Soil	11	18	0.67	320	0.054	<1	1.45	0.018	0.03	0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
100346	Soil	11	19	0.40	446	0.025	<1	1.06	0.011	0.03	0.2	0.06	3.0	<0.1	<0.05	3	<0.5	<0.2
100347	Soil	17	20	0.37	311	0.039	<1	1.08	0.009	0.04	0.1	0.05	3.2	<0.1	<0.05	3	<0.5	<0.2
100348	Soil	14	23	0.44	291	0.041	<1	1.17	0.012	0.05	0.2	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2
100349	Soil	13	25	0.48	338	0.036	<1	1.23	0.014	0.05	0.2	0.03	3.1	<0.1	<0.05	3	0.7	<0.2
100350	Soil	17	28	0.54	330	0.048	<1	1.23	0.014	0.13	0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
100351	Soil	13	22	0.47	301	0.045	<1	1.13	0.016	0.06	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
100352	Soil	14	22	0.48	294	0.050	<1	1.12	0.020	0.06	0.2	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
100353	Soil	14	24	0.50	280	0.054	1	1.18	0.017	0.06	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
100354	Soil	13	19	0.43	305	0.043	<1	1.02	0.014	0.04	0.2	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
100355	Soil	16	21	0.40	358	0.040	<1	1.07	0.013	0.05	0.2	0.04	3.3	<0.1	<0.05	3	<0.5	<0.2
100356	Soil	15	26	0.57	364	0.052	<1	1.12	0.015	0.08	0.4	0.05	3.4	<0.1	<0.05	4	0.6	<0.2
100357	Soil	15	25	0.41	318	0.037	<1	1.18	0.007	0.05	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
100358	Soil	35	25	0.41	368	0.034	<1	1.30	0.009	0.11	0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
100359	Soil	17	30	0.48	324	0.058	<1	1.42	0.010	0.06	0.2	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
100360	Soil	17	24	0.43	335	0.056	<1	1.27	0.010	0.08	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
100361	Soil	40	20	0.53	469	0.026	<1	1.28	0.007	0.15	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
100362	Soil	35	51	1.23	670	0.035	<1	2.11	0.009	0.29	<0.1	0.04	7.3	0.1	<0.05	7	<0.5	<0.2
100363	Soil	18	28	0.45	443	0.032	<1	1.55	0.012	0.05	<0.1	0.04	4.4	<0.1	<0.05	5	<0.5	<0.2
100364	Soil	20	17	0.23	208	0.015	<1	1.17	0.005	0.09	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
100365	Soil	20	19	0.34	268	0.033	<1	1.28	0.009	0.09	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
100366	Soil	13	25	0.58	267	0.063	1	1.23	0.022	0.10	0.2	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
100367	Soil	13	17	0.56	229	0.056	1	1.08	0.018	0.10	0.2	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
100368	Soil	15	21	0.49	372	0.049	<1	1.09	0.014	0.05	0.2	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2
100369	Soil	16	23	0.56	454	0.057	<1	1.27	0.015	0.07	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
100370	Soil	15	22	0.51	384	0.070	<1	1.21	0.022	0.07	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
100371	Soil	16	24	0.42	363	0.053	<1	1.33	0.013	0.05	0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
100372	Soil	15	23	0.44	354	0.050	<1	1.14	0.012	0.04	0.2	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

WHI11000827.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
100373	Soil	1.0	34.6	10.5	62	0.1	166.6	13.6	262	2.90	19.1	4.5	2.7	5.7	28	<0.1	0.9	0.2	43	0.35	0.039
100374	Soil	0.9	28.1	11.3	56	0.1	34.9	8.5	252	2.31	35.1	4.4	2.3	5.7	33	0.1	0.9	0.2	39	0.43	0.051
100375	Soil	0.7	29.4	9.2	54	<0.1	34.3	8.4	236	2.41	26.5	2.8	8.9	6.0	23	<0.1	0.7	0.2	45	0.31	0.038
100376	Soil	0.7	32.0	10.1	47	0.1	42.2	9.7	329	2.54	24.8	5.0	2.2	3.1	36	0.2	0.8	0.2	46	0.47	0.055
100377	Soil	0.8	36.6	9.9	53	0.1	56.9	10.5	273	2.60	21.1	4.0	5.3	5.2	26	0.2	0.8	0.2	50	0.38	0.049
100378	Soil	0.4	19.0	10.0	53	0.1	13.3	8.4	465	2.09	8.3	11.3	4.1	5.0	33	0.2	0.7	0.2	41	0.44	0.063
100379	Soil	0.8	27.4	11.2	51	0.1	21.4	8.4	398	2.23	8.7	6.3	1.0	3.9	57	0.1	0.6	0.3	38	0.77	0.052
100380	Soil	1.0	23.6	10.0	58	0.1	19.6	8.4	377	2.30	9.7	2.1	5.4	4.8	28	<0.1	0.6	0.2	40	0.36	0.048
100381	Soil	0.9	22.7	9.7	51	<0.1	17.9	7.3	311	2.13	8.7	1.7	1.3	5.8	21	<0.1	0.5	0.2	38	0.28	0.041
100382	Soil	0.9	20.7	9.2	47	<0.1	16.6	6.4	288	1.95	7.4	2.0	2.5	5.8	22	<0.1	0.6	0.2	36	0.28	0.036
100383	Soil	0.7	13.0	7.4	42	<0.1	12.4	4.9	194	1.56	5.9	0.9	7.6	4.4	16	0.1	0.4	0.2	31	0.21	0.038
100384	Soil	0.8	24.5	9.1	52	<0.1	19.8	8.2	370	2.21	8.7	1.4	2.8	4.5	25	<0.1	0.6	0.2	39	0.34	0.051
100385	Soil	0.5	40.9	9.2	57	0.1	21.9	9.1	372	2.41	8.3	1.8	3.0	3.7	33	0.2	0.6	0.2	47	0.47	0.052
100386	Soil	0.6	20.4	7.6	42	<0.1	12.6	7.2	257	1.94	8.1	1.4	3.9	4.3	19	<0.1	0.5	0.1	37	0.28	0.042
100387	Soil	0.8	28.9	10.0	58	0.1	19.5	9.7	373	2.25	10.0	0.5	4.7	4.6	28	0.2	0.8	0.2	41	0.52	0.062
100388	Soil	0.8	32.4	6.4	54	<0.1	13.7	9.5	370	2.67	8.6	1.0	19.0	3.6	22	<0.1	0.5	0.1	57	0.35	0.052
100389	Soil	0.8	55.3	8.4	68	<0.1	17.9	12.3	376	2.70	11.1	0.5	3.6	4.1	28	0.1	0.7	0.2	57	0.40	0.067
100390	Soil	0.6	48.4	8.0	63	<0.1	18.2	10.6	329	2.51	10.1	0.5	1.3	4.0	27	0.2	0.7	0.1	53	0.37	0.062
100391	Soil	0.7	23.8	8.2	50	<0.1	18.3	7.8	354	1.97	8.8	0.7	2.8	4.4	26	0.2	0.6	0.1	41	0.38	0.070
100392	Soil	1.2	25.2	9.1	55	0.2	20.2	12.2	787	2.26	9.5	1.9	1.5	3.6	34	0.3	0.6	0.2	41	0.48	0.071
100393	Soil	0.7	27.6	8.9	55	0.1	22.2	8.6	396	2.11	8.7	1.5	2.4	2.1	43	0.1	0.7	0.2	37	0.63	0.063
100394	Soil	0.5	16.2	7.8	49	0.1	15.4	6.6	242	1.74	7.0	0.9	3.8	3.0	33	0.2	0.5	0.2	35	0.55	0.062
100395	Soil	1.1	28.7	9.0	59	0.1	22.5	9.4	387	2.40	13.4	0.6	3.4	4.1	33	0.5	0.8	0.1	48	0.48	0.071
100396	Soil	0.9	27.7	11.3	60	<0.1	21.5	9.3	407	2.56	8.5	2.1	1.4	7.3	31	0.1	0.6	0.2	44	0.41	0.043
100397	Soil	0.9	30.0	10.8	59	0.2	24.0	8.3	375	2.32	8.9	5.6	2.4	5.1	34	0.1	0.8	0.2	38	0.64	0.051
100398	Soil	0.8	27.6	11.1	61	0.2	21.8	8.8	390	2.28	9.1	2.1	1.7	4.4	34	0.3	0.7	0.2	38	0.63	0.052
100399	Soil	1.1	27.9	11.7	78	0.1	23.9	8.5	344	2.48	10.5	1.3	3.3	5.8	27	0.3	1.0	0.2	39	0.48	0.066
100400	Soil	1.1	31.0	23.5	82	0.2	23.9	11.0	383	3.01	9.1	1.2	2.7	8.0	30	0.3	0.8	0.3	54	0.40	0.063
100401	Soil	0.9	11.4	12.6	74	<0.1	6.1	4.7	294	1.66	1.5	2.2	<0.5	19.1	9	<0.1	0.2	0.3	19	0.14	0.021
100402	Soil	0.6	14.6	11.9	41	<0.1	10.9	6.0	219	1.66	4.5	1.2	3.9	8.2	18	0.1	0.4	0.1	32	0.17	0.015



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
100373	Soil	18	135	0.50	289	0.037	<1	1.29	0.009	0.06	0.2	0.05	4.5	<0.1	<0.05	4	<0.5	<0.2
100374	Soil	21	29	0.37	412	0.029	<1	1.25	0.009	0.07	0.1	0.05	3.5	<0.1	<0.05	4	<0.5	<0.2
100375	Soil	18	41	0.47	358	0.044	<1	1.32	0.009	0.06	0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
100376	Soil	15	42	0.42	396	0.024	<1	1.30	0.009	0.04	0.2	0.05	3.6	<0.1	0.05	4	<0.5	<0.2
100377	Soil	16	59	0.59	336	0.045	<1	1.37	0.011	0.05	0.1	0.05	4.7	<0.1	<0.05	4	<0.5	<0.2
100378	Soil	20	16	0.36	348	0.033	<1	1.11	0.010	0.04	0.1	0.06	3.1	<0.1	<0.05	3	<0.5	<0.2
100379	Soil	20	23	0.40	442	0.030	2	1.18	0.010	0.05	0.2	0.04	2.8	<0.1	0.08	4	0.9	<0.2
100380	Soil	16	23	0.40	348	0.037	1	1.16	0.010	0.05	0.2	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
100381	Soil	18	23	0.38	337	0.040	<1	1.17	0.009	0.05	0.2	0.02	3.0	<0.1	<0.05	4	0.6	<0.2
100382	Soil	19	22	0.35	344	0.039	<1	1.13	0.009	0.05	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
100383	Soil	15	17	0.31	258	0.036	1	0.94	0.007	0.04	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
100384	Soil	15	24	0.40	393	0.040	<1	1.22	0.010	0.04	0.2	0.04	3.1	<0.1	<0.05	4	0.6	<0.2
100385	Soil	16	25	0.46	416	0.048	1	1.34	0.012	0.05	0.1	0.05	3.5	<0.1	<0.05	4	<0.5	<0.2
100386	Soil	15	20	0.35	270	0.038	<1	1.06	0.008	0.04	0.3	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
100387	Soil	15	21	0.43	366	0.045	<1	1.11	0.013	0.05	0.3	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
100388	Soil	12	20	0.45	272	0.063	<1	1.27	0.010	0.08	0.2	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
100389	Soil	13	20	0.52	326	0.051	<1	1.25	0.014	0.08	0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
100390	Soil	13	20	0.50	303	0.053	2	1.22	0.014	0.07	0.2	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
100391	Soil	14	21	0.35	245	0.047	1	0.86	0.013	0.05	0.4	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
100392	Soil	16	22	0.37	400	0.038	1	1.10	0.012	0.04	0.2	0.05	2.9	<0.1	<0.05	3	<0.5	<0.2
100393	Soil	13	23	0.40	370	0.030	1	1.15	0.011	0.04	0.2	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
100394	Soil	12	20	0.39	215	0.039	<1	0.98	0.013	0.04	0.3	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
100395	Soil	13	23	0.39	271	0.052	2	1.03	0.015	0.06	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
100396	Soil	27	28	0.49	475	0.056	<1	1.57	0.011	0.08	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
100397	Soil	21	24	0.45	487	0.038	<1	1.28	0.011	0.05	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
100398	Soil	18	23	0.47	486	0.039	<1	1.24	0.011	0.05	0.1	0.03	2.9	<0.1	<0.05	4	0.6	<0.2
100399	Soil	18	25	0.53	457	0.053	1	1.20	0.011	0.07	0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
100400	Soil	22	38	0.82	492	0.085	<1	1.74	0.014	0.26	0.1	0.04	4.3	0.2	<0.05	5	<0.5	<0.2
100401	Soil	40	14	0.96	236	0.065	<1	1.17	0.005	0.44	<0.1	<0.01	2.0	0.3	<0.05	4	<0.5	<0.2
100402	Soil	21	21	0.51	274	0.070	<1	1.14	0.008	0.10	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
100403	Soil	0.6	9.5	9.6	33	<0.1	7.5	3.6	136	1.22	3.5	2.0	1.4	12.1	17	<0.1	0.3	0.1	19	0.08	0.014
100404	Soil	0.4	11.0	9.0	29	<0.1	8.3	4.3	179	1.15	3.1	2.1	1.5	7.4	13	<0.1	0.3	<0.1	20	0.11	0.015
100405	Soil	0.2	5.1	4.4	13	<0.1	3.3	1.5	59	0.86	2.4	1.4	<0.5	13.8	8	<0.1	0.1	0.1	8	0.05	0.007
100406	Soil	0.2	7.2	3.9	14	<0.1	6.6	2.2	84	0.81	1.7	1.2	<0.5	13.1	6	<0.1	0.1	<0.1	10	0.06	0.007
100407	Soil	0.2	5.0	4.8	12	<0.1	3.7	1.8	65	0.90	1.8	2.0	<0.5	15.2	4	<0.1	0.3	0.2	8	0.03	0.007
100408	Soil	0.2	5.8	5.6	8	<0.1	3.8	2.1	98	1.08	1.3	2.0	<0.5	19.4	5	<0.1	0.2	0.2	8	0.05	0.007
100409	Soil	0.5	16.0	8.6	46	<0.1	15.5	6.2	251	1.87	7.0	1.5	4.3	14.9	10	<0.1	0.8	0.2	29	0.15	0.033
100410	Soil	0.9	12.9	10.7	43	<0.1	14.9	5.7	225	2.59	12.3	0.5	1.2	6.0	12	<0.1	0.7	0.3	50	0.11	0.054
100411	Soil	0.6	15.3	6.8	54	<0.1	25.9	11.8	302	3.20	16.1	0.5	0.5	4.8	13	<0.1	0.9	<0.1	61	0.22	0.046
100412	Soil	0.5	18.0	7.7	54	<0.1	39.2	17.0	320	2.90	9.9	0.8	1.6	8.8	17	<0.1	0.9	<0.1	55	0.28	0.046
100413	Soil	0.6	22.3	8.6	56	<0.1	32.2	12.5	285	2.82	12.6	1.1	2.0	6.6	18	<0.1	1.5	0.1	51	0.30	0.060
100414	Soil	0.5	32.8	8.2	82	<0.1	42.5	16.8	472	3.89	15.2	1.9	1.8	13.9	19	0.1	2.2	0.1	58	0.41	0.107
100415	Soil	0.6	13.6	11.3	45	<0.1	14.9	6.9	174	2.44	8.5	0.8	1.5	7.2	7	<0.1	0.6	0.2	39	0.09	0.022
100416	Soil	0.4	21.5	12.3	67	<0.1	23.1	11.3	277	3.14	8.3	1.6	2.6	18.9	8	<0.1	1.3	0.3	35	0.10	0.023
100417	Soil	0.5	31.7	14.6	88	<0.1	29.8	13.4	245	3.88	16.1	1.3	0.6	15.4	6	<0.1	1.0	0.3	39	0.13	0.054
100418	Soil	1.1	37.9	23.0	96	<0.1	38.2	18.6	901	4.36	16.6	1.7	1.0	18.3	9	<0.1	0.8	0.5	39	0.12	0.044
100419	Soil	0.5	39.3	21.5	93	<0.1	35.0	16.6	607	4.30	13.6	1.5	0.8	20.6	6	<0.1	0.7	0.5	37	0.14	0.049
100420	Soil	1.0	52.1	18.7	111	<0.1	46.0	22.4	670	4.93	7.9	1.4	1.2	23.6	5	<0.1	0.7	0.3	41	0.09	0.040
100421	Soil	0.7	27.2	18.6	84	<0.1	32.3	15.5	587	3.63	15.7	1.3	2.0	16.4	7	<0.1	2.1	0.3	31	0.20	0.055
100422	Soil	0.8	27.3	21.5	84	<0.1	26.4	12.8	527	3.29	24.1	1.0	1.7	15.5	8	<0.1	7.3	0.3	28	0.18	0.029
100423	Soil	1.8	59.4	66.8	295	0.4	48.8	13.9	1597	3.17	114.7	0.9	3.1	6.8	16	0.9	17.4	0.2	45	0.37	0.058
100424	Soil	1.0	24.5	11.0	113	0.5	33.3	8.2	504	2.25	89.6	0.7	2.0	6.7	25	0.3	8.2	0.2	49	2.73	0.056
100425	Soil	0.4	31.7	24.9	95	<0.1	31.0	15.7	757	3.96	10.5	1.5	1.0	20.9	8	<0.1	0.7	0.3	30	0.18	0.061
100426	Soil	0.8	40.3	10.0	55	<0.1	24.6	10.1	319	2.90	13.2	1.6	0.6	7.0	18	<0.1	0.8	0.2	57	0.29	0.032
100427	Soil	1.0	38.0	17.5	77	<0.1	37.5	16.0	513	2.98	31.8	1.7	<0.5	12.2	11	<0.1	3.2	0.2	41	0.06	0.015
100428	Soil	0.5	26.7	28.9	91	<0.1	27.8	15.5	577	4.08	10.7	1.1	<0.5	22.2	7	<0.1	0.7	0.3	34	0.16	0.067
100429	Soil	0.7	32.7	19.9	78	<0.1	28.5	13.5	603	3.19	34.3	1.9	1.0	12.0	8	<0.1	2.2	0.3	24	0.09	0.026
100430	Soil	0.4	38.3	18.2	98	<0.1	33.2	15.0	363	4.33	16.0	1.4	1.1	28.1	8	<0.1	1.1	0.3	31	0.19	0.072
100431	Soil	0.7	36.6	21.5	95	<0.1	38.1	18.6	620	4.53	12.6	1.4	0.9	22.7	7	<0.1	1.4	0.4	47	0.08	0.031
100432	Soil	0.7	29.7	23.5	98	<0.1	36.1	17.7	594	4.56	15.8	1.4	1.8	22.5	7	<0.1	1.0	0.3	38	0.15	0.044



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
100403	Soil	36	10	0.24	173	0.030	<1	0.68	0.006	0.10	<0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
100404	Soil	26	12	0.27	233	0.040	<1	0.63	0.006	0.07	<0.1	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
100405	Soil	47	5	0.10	156	0.006	<1	0.43	0.002	0.06	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
100406	Soil	75	12	0.33	137	0.018	<1	0.59	0.003	0.06	<0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
100407	Soil	69	6	0.10	83	0.012	<1	0.44	0.002	0.05	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
100408	Soil	49	8	0.10	128	0.009	2	0.42	0.003	0.09	<0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
100409	Soil	37	42	0.49	164	0.084	<1	1.08	0.006	0.26	0.2	<0.01	2.3	0.3	<0.05	4	0.5	<0.2
100410	Soil	14	32	0.38	250	0.058	<1	1.35	0.005	0.09	0.3	<0.01	1.8	0.1	<0.05	6	<0.5	<0.2
100411	Soil	8	117	1.36	342	0.166	<1	2.02	0.009	0.50	0.2	<0.01	2.3	0.4	<0.05	7	<0.5	<0.2
100412	Soil	15	177	1.53	539	0.148	<1	2.09	0.008	0.57	0.1	<0.01	2.5	0.3	<0.05	6	<0.5	<0.2
100413	Soil	17	105	1.07	468	0.118	<1	1.76	0.008	0.28	0.1	0.04	2.7	0.2	<0.05	6	<0.5	<0.2
100414	Soil	47	130	1.47	654	0.183	<1	2.35	0.008	0.85	<0.1	0.01	5.1	0.5	<0.05	8	<0.5	<0.2
100415	Soil	17	25	0.44	100	0.077	<1	1.36	0.005	0.16	0.1	0.01	2.0	0.1	<0.05	4	<0.5	<0.2
100416	Soil	85	29	0.55	148	0.102	<1	1.49	0.005	0.37	<0.1	0.02	3.7	0.3	<0.05	5	<0.5	<0.2
100417	Soil	22	33	0.78	121	0.127	<1	2.01	0.005	0.57	<0.1	0.01	3.5	0.5	<0.05	6	<0.5	<0.2
100418	Soil	47	38	0.61	173	0.117	<1	1.38	0.004	0.66	<0.1	0.01	6.1	0.5	<0.05	5	0.5	<0.2
100419	Soil	58	34	0.66	189	0.167	<1	1.56	0.004	0.82	<0.1	<0.01	4.7	0.6	<0.05	6	0.5	<0.2
100420	Soil	55	36	0.85	164	0.205	<1	2.15	0.005	1.05	<0.1	<0.01	4.4	0.7	<0.05	7	<0.5	<0.2
100421	Soil	28	27	0.59	187	0.154	<1	1.43	0.005	0.67	<0.1	0.01	4.0	0.5	<0.05	5	<0.5	<0.2
100422	Soil	28	21	0.31	136	0.036	<1	0.94	0.003	0.22	<0.1	0.05	4.3	0.3	<0.05	4	<0.5	<0.2
100423	Soil	26	25	0.33	378	0.014	<1	0.89	0.005	0.06	0.1	0.16	7.0	0.6	<0.05	3	0.8	<0.2
100424	Soil	20	34	0.96	116	0.026	2	1.28	0.003	0.06	0.1	0.06	5.4	0.6	<0.05	5	0.7	<0.2
100425	Soil	57	27	0.52	162	0.133	<1	1.30	0.004	0.68	<0.1	0.07	5.5	0.6	<0.05	6	<0.5	<0.2
100426	Soil	20	37	0.42	347	0.041	<1	1.32	0.008	0.05	0.1	0.09	7.1	<0.1	<0.05	4	0.5	<0.2
100427	Soil	24	28	0.26	210	0.024	<1	1.18	0.003	0.06	<0.1	0.34	5.3	0.2	<0.05	4	<0.5	<0.2
100428	Soil	34	30	0.63	131	0.141	<1	1.81	0.004	0.75	<0.1	0.01	3.4	0.5	<0.05	6	<0.5	<0.2
100429	Soil	25	16	0.16	190	0.012	<1	0.68	0.003	0.10	<0.1	0.02	4.6	0.2	<0.05	3	<0.5	<0.2
100430	Soil	62	30	0.65	170	0.139	<1	1.65	0.005	0.76	<0.1	0.01	5.0	0.6	<0.05	6	<0.5	<0.2
100431	Soil	55	44	0.86	199	0.213	<1	2.33	0.006	0.95	<0.1	<0.01	4.5	0.6	<0.05	7	0.7	<0.2
100432	Soil	43	35	0.72	171	0.170	<1	1.98	0.004	0.84	<0.1	<0.01	4.9	0.7	<0.05	6	0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
100433	Soil	0.8	33.8	21.0	87	<0.1	31.4	15.4	555	3.92	32.2	1.3	<0.5	15.8	11	<0.1	1.6	0.3	33	0.09	0.031
100434	Soil	0.4	21.7	15.5	76	<0.1	25.3	12.8	441	3.71	12.6	1.4	<0.5	16.4	8	<0.1	1.1	0.2	40	0.10	0.030
100435	Soil	0.3	28.4	17.4	79	<0.1	24.6	11.9	322	3.51	6.7	1.6	<0.5	23.9	14	<0.1	1.5	0.4	31	0.20	0.036
100436	Soil	0.5	25.8	17.5	82	<0.1	27.8	13.8	426	3.93	12.0	1.3	<0.5	18.5	7	<0.1	1.3	0.3	40	0.08	0.028
100437	Soil	0.8	16.3	11.1	52	<0.1	17.5	8.2	213	2.84	9.3	1.7	1.1	10.7	9	<0.1	0.8	0.2	41	0.08	0.021
100438	Soil	0.5	22.2	7.2	64	<0.1	26.2	14.7	425	3.65	12.6	0.5	<0.5	4.4	15	<0.1	1.6	<0.1	69	0.30	0.075
100439	Soil	0.8	14.4	10.2	59	0.2	21.6	16.2	386	2.82	10.6	0.4	1.2	3.3	14	<0.1	0.8	0.1	59	0.18	0.042
100440	Soil	0.8	10.2	8.9	48	0.2	23.5	13.5	268	2.39	9.4	0.3	<0.5	3.1	13	<0.1	0.7	0.1	53	0.17	0.028
100441	Soil	0.7	21.9	7.8	75	0.1	17.7	14.1	520	4.00	17.4	0.6	<0.5	5.9	15	<0.1	2.5	<0.1	61	0.29	0.072
100442	Soil	0.8	13.4	9.4	45	<0.1	17.4	7.9	229	2.49	9.4	0.5	<0.5	4.6	13	<0.1	0.6	0.1	44	0.11	0.018
100443	Soil	0.6	25.0	9.1	43	<0.1	21.5	8.4	195	2.25	8.9	1.0	1.0	10.0	15	<0.1	0.7	0.2	41	0.16	0.018
100444	Soil	0.6	13.5	12.1	49	<0.1	12.1	13.4	537	2.06	5.8	1.6	<0.5	18.9	16	<0.1	1.3	0.2	29	0.21	0.043
100445	Soil	0.4	11.2	8.7	51	<0.1	11.5	5.3	246	1.91	4.2	1.7	2.2	22.1	12	<0.1	1.2	0.2	26	0.15	0.024
106383	Soil	0.4	64.2	5.9	76	<0.1	22.0	11.5	656	3.10	4.5	0.6	3.7	3.8	14	<0.1	0.5	0.1	70	0.33	0.071
106384	Soil	0.4	76.7	7.2	99	0.1	46.8	7.6	873	2.14	9.2	1.0	6.4	4.0	17	<0.1	1.2	<0.1	33	0.30	0.054
106385	Soil	0.7	43.2	9.1	86	0.1	29.1	8.7	416	2.86	16.0	1.0	12.6	7.5	16	<0.1	1.1	0.2	36	0.18	0.037
106386	Soil	1.6	25.5	17.9	104	0.3	31.3	8.1	324	2.66	21.7	1.5	4.7	6.8	13	0.1	1.9	0.2	30	0.12	0.040
106387	Soil	0.9	41.4	8.5	101	0.1	28.0	8.6	425	2.67	13.5	1.2	4.8	5.3	12	<0.1	1.3	0.2	43	0.12	0.026
106388	Soil	1.2	26.5	14.8	143	0.1	20.9	7.9	297	2.49	17.1	1.1	3.0	7.6	8	0.1	1.4	0.2	44	0.07	0.020
106389	Soil	0.7	41.6	120.2	671	<0.1	27.8	6.0	296	2.53	10.9	2.1	2.3	18.1	10	0.3	1.1	0.3	32	0.12	0.030
106390	Soil	0.5	37.9	125.2	595	<0.1	21.7	4.5	243	2.25	9.6	1.9	1.2	17.8	8	0.3	1.0	0.2	28	0.13	0.035
106391	Soil	0.9	43.7	19.1	238	<0.1	30.2	10.5	449	2.32	12.8	1.6	1.3	5.4	9	0.3	1.1	0.2	41	0.08	0.020
106392	Soil	0.9	58.9	17.5	304	<0.1	38.3	8.4	547	3.53	12.9	2.2	1.9	8.3	9	0.5	1.7	0.2	44	0.07	0.029
106393	Soil	1.2	34.1	15.4	116	0.1	30.9	7.2	329	2.75	23.8	1.9	3.7	8.2	11	0.2	1.8	0.2	36	0.08	0.028
106394	Soil	0.8	30.5	21.0	186	0.1	32.6	5.4	271	2.49	13.2	1.6	7.7	8.2	17	0.3	1.8	0.5	35	0.17	0.030
106395	Soil	0.8	55.2	12.7	118	0.3	30.1	9.7	473	2.58	17.8	1.7	3.9	4.8	15	0.2	2.7	0.2	45	0.12	0.033
106396	Soil	0.6	38.8	8.5	100	<0.1	20.4	6.8	338	2.39	13.6	1.3	2.1	4.6	13	0.2	1.6	0.1	40	0.11	0.025
106397	Soil	0.7	37.1	15.3	108	0.1	22.3	7.1	253	2.75	16.0	2.3	2.9	6.5	22	0.1	1.2	0.2	50	0.23	0.041
106398	Soil	0.9	32.3	12.7	89	0.1	21.9	7.0	301	2.50	17.7	1.9	5.1	7.4	19	0.1	1.6	0.2	43	0.18	0.035
106399	Soil	0.6	33.5	9.4	71	<0.1	19.7	6.8	342	2.34	16.2	1.8	2.2	5.5	18	<0.1	1.5	0.2	44	0.16	0.020



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
100433	Soil	50	26	0.48	154	0.085	<1	1.29	0.003	0.45	<0.1	0.02	5.1	0.5	<0.05	5	0.6	<0.2
100434	Soil	56	34	0.69	182	0.158	<1	1.90	0.005	0.60	<0.1	0.02	4.4	0.6	<0.05	6	<0.5	<0.2
100435	Soil	76	28	0.64	208	0.127	<1	1.73	0.006	0.59	<0.1	0.01	4.6	0.5	<0.05	6	0.5	<0.2
100436	Soil	28	34	0.74	170	0.183	<1	1.97	0.006	0.80	<0.1	<0.01	3.8	0.6	<0.05	7	<0.5	<0.2
100437	Soil	39	28	0.50	141	0.084	<1	1.61	0.005	0.21	0.1	0.02	2.9	0.2	<0.05	5	<0.5	<0.2
100438	Soil	6	96	1.59	565	0.185	<1	2.46	0.010	0.89	0.2	0.02	2.5	0.4	<0.05	8	<0.5	<0.2
100439	Soil	8	71	0.74	308	0.106	<1	1.65	0.010	0.20	0.1	0.01	2.0	0.1	<0.05	6	<0.5	<0.2
100440	Soil	8	88	0.74	236	0.100	<1	1.45	0.006	0.15	0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
100441	Soil	10	59	1.49	439	0.168	<1	2.50	0.007	1.05	0.1	<0.01	3.3	0.5	<0.05	7	<0.5	<0.2
100442	Soil	9	29	0.40	244	0.051	<1	1.42	0.005	0.07	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
100443	Soil	25	34	0.46	241	0.058	<1	1.35	0.007	0.06	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
100444	Soil	28	27	0.38	353	0.067	<1	1.09	0.004	0.28	0.3	0.03	3.6	0.3	<0.05	4	<0.5	<0.2
100445	Soil	38	25	0.46	202	0.079	<1	1.05	0.005	0.32	0.2	0.03	3.2	0.4	<0.05	4	<0.5	<0.2
106383	Soil	15	15	1.11	1946	0.158	<1	1.95	0.014	0.84	<0.1	0.02	8.1	<0.1	<0.05	7	<0.5	<0.2
106384	Soil	19	13	0.59	377	0.024	<1	1.47	0.003	0.08	<0.1	0.03	7.2	0.2	<0.05	4	0.6	<0.2
106385	Soil	23	18	0.47	403	0.050	<1	1.21	0.007	0.14	<0.1	0.03	5.4	0.1	<0.05	4	<0.5	<0.2
106386	Soil	17	15	0.26	254	0.032	<1	0.82	0.005	0.06	0.1	0.04	3.0	0.2	<0.05	3	0.6	<0.2
106387	Soil	20	22	0.47	417	0.053	<1	1.55	0.005	0.07	0.1	0.05	5.6	<0.1	<0.05	5	<0.5	<0.2
106388	Soil	19	22	0.34	172	0.034	<1	1.45	0.004	0.05	<0.1	0.02	2.8	0.2	<0.05	4	<0.5	<0.2
106389	Soil	51	20	0.70	410	0.097	<1	1.36	0.004	0.44	<0.1	0.03	3.8	1.0	<0.05	5	0.6	<0.2
106390	Soil	46	16	0.64	352	0.094	<1	1.11	0.004	0.45	<0.1	0.02	3.2	1.0	<0.05	4	0.6	<0.2
106391	Soil	13	18	0.61	459	0.057	<1	1.26	0.004	0.16	<0.1	0.03	5.0	0.5	<0.05	4	<0.5	<0.2
106392	Soil	20	12	0.99	584	0.092	<1	1.91	0.008	0.47	<0.1	0.02	7.0	0.5	<0.05	7	0.6	<0.2
106393	Soil	21	18	0.26	222	0.029	<1	0.82	0.004	0.05	0.1	0.04	4.0	0.2	<0.05	3	0.9	<0.2
106394	Soil	20	26	0.44	261	0.046	<1	1.16	0.005	0.17	<0.1	0.05	5.0	0.3	<0.05	4	<0.5	<0.2
106395	Soil	15	22	0.37	394	0.040	<1	1.15	0.005	0.07	0.2	0.05	5.4	0.2	<0.05	4	<0.5	<0.2
106396	Soil	12	16	0.35	286	0.052	<1	1.08	0.004	0.11	0.1	0.02	4.5	0.2	<0.05	4	<0.5	<0.2
106397	Soil	18	26	0.41	472	0.044	<1	1.49	0.007	0.05	0.1	0.08	5.7	0.1	<0.05	5	<0.5	<0.2
106398	Soil	22	20	0.33	321	0.049	<1	1.12	0.006	0.06	0.1	0.05	4.5	0.1	<0.05	4	0.6	<0.2
106399	Soil	17	18	0.36	343	0.056	<1	1.12	0.006	0.05	0.1	0.04	4.5	0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
106400	Soil	0.6	32.6	11.2	58	0.1	19.1	6.4	191	2.10	17.7	1.8	3.6	6.1	18	<0.1	1.2	0.2	36	0.16	0.028
106401	Soil	1.3	36.9	14.0	92	0.1	27.6	6.2	189	2.25	33.3	2.3	3.5	4.8	17	0.1	1.9	0.2	43	0.08	0.032
106402	Soil	0.9	32.3	11.6	63	0.2	18.6	6.1	231	2.05	20.5	3.0	4.3	5.2	22	<0.1	1.2	0.2	41	0.16	0.028
106403	Soil	1.7	35.2	12.0	55	0.4	18.4	6.8	449	2.22	46.6	1.9	3.2	6.1	15	0.1	3.2	0.2	26	0.06	0.042
106404	Soil	1.7	35.2	16.0	66	0.2	18.6	6.8	324	2.79	16.7	1.3	1.8	8.1	11	0.1	2.7	0.2	43	0.06	0.053
106405	Soil	2.1	21.9	11.4	51	0.1	11.8	3.9	179	1.65	39.5	2.2	2.5	10.2	13	<0.1	5.2	0.2	21	0.03	0.037
106406	Soil	0.9	35.0	10.3	74	0.3	29.3	6.2	261	2.34	20.1	2.5	4.4	7.4	14	0.1	2.9	0.2	36	0.13	0.040
106407	Soil	0.9	22.1	10.2	171	<0.1	33.2	10.8	747	4.09	21.6	3.1	1.4	7.8	8	0.1	1.9	0.1	27	0.15	0.039
106408	Soil	1.2	38.8	9.5	87	0.2	34.0	16.9	688	2.59	2.9	2.0	3.4	11.5	6	0.1	0.3	0.2	22	0.08	0.049
106409	Soil	1.3	47.8	15.0	145	0.3	55.4	10.2	235	3.56	4.9	2.6	3.0	13.3	16	0.2	0.7	0.3	41	0.17	0.063
106410	Soil	0.6	24.4	11.3	55	0.2	15.9	5.9	142	2.12	5.6	1.6	2.0	3.0	20	<0.1	0.5	0.2	34	0.20	0.047
106411	Soil	0.5	36.7	11.2	66	0.2	23.9	7.5	225	2.60	8.3	2.7	2.8	5.3	27	0.2	0.8	0.2	41	0.31	0.051
112781	Soil	0.2	38.8	4.9	62	<0.1	212.5	16.7	611	3.49	4.0	1.5	1.1	8.3	22	<0.1	0.6	0.2	78	0.54	0.098
112782	Soil	<0.1	30.8	2.8	38	<0.1	286.2	20.1	370	1.77	1.2	0.2	<0.5	2.6	16	<0.1	0.2	<0.1	29	0.44	0.020
112783	Soil	0.1	61.5	82.3	164	0.3	129.3	17.4	698	4.04	6.4	1.6	4.6	11.1	28	2.2	0.6	0.5	79	0.64	0.052
112784	Soil	0.5	28.1	22.3	66	<0.1	32.3	7.0	186	2.45	13.6	1.2	2.0	9.8	19	0.1	0.6	0.2	55	0.31	0.044
112785	Soil	0.5	65.4	17.8	82	0.1	63.4	17.0	390	3.89	6.4	1.1	2.1	4.5	28	0.1	0.6	0.2	95	0.57	0.072
112786	Soil	0.4	28.7	11.7	53	<0.1	27.0	9.2	283	2.45	6.8	1.6	3.5	5.0	23	<0.1	0.5	0.1	52	0.36	0.049
112787	Soil	0.4	40.4	10.2	62	<0.1	21.4	9.3	315	2.74	7.9	1.3	2.7	4.5	26	<0.1	0.5	0.1	62	0.38	0.062
112788	Soil	0.5	49.7	9.1	68	0.1	21.0	9.8	251	2.71	8.6	0.8	7.4	4.2	28	0.2	0.7	0.2	61	0.48	0.074
112789	Soil	0.4	19.1	8.6	51	<0.1	15.2	7.5	274	1.66	6.0	4.5	1.6	3.5	29	0.3	0.5	0.1	33	0.44	0.060
112790	Soil	0.2	20.8	10.3	62	0.1	16.1	7.7	254	2.26	9.7	4.7	5.0	5.7	29	0.3	0.7	0.2	40	0.40	0.074
112791	Soil	0.1	17.1	9.8	57	<0.1	12.4	6.2	179	1.70	6.2	3.6	2.8	5.2	29	0.3	0.7	0.2	35	0.37	0.060
112792	Soil	0.4	26.8	9.5	50	<0.1	16.8	7.4	258	2.18	7.8	1.5	1.7	4.9	31	0.1	0.6	0.2	46	0.41	0.056
112793	Soil	0.7	22.8	9.6	51	0.1	18.9	7.2	249	2.14	7.7	1.2	1.0	3.3	34	0.1	0.5	0.1	46	0.53	0.061
112794	Soil	0.7	21.5	8.8	49	<0.1	18.0	7.5	305	2.04	7.7	1.1	1.3	3.4	30	0.1	0.5	0.1	42	0.49	0.063
112795	Soil	0.7	26.5	8.4	43	0.1	21.8	8.7	284	2.14	8.3	1.2	1.1	2.0	42	0.2	0.6	0.1	42	0.75	0.076
112796	Soil	0.8	25.7	8.3	54	0.1	24.0	8.1	309	2.20	8.6	0.8	3.3	4.1	28	0.1	0.7	0.1	45	0.46	0.060
112797	Soil	0.7	26.0	9.3	53	<0.1	21.9	8.6	342	2.20	9.1	1.1	1.0	4.3	29	0.1	0.7	0.1	44	0.48	0.059
112798	Soil	1.0	28.2	9.3	61	<0.1	24.9	9.3	352	2.32	9.0	0.7	2.3	3.9	31	0.2	0.6	0.1	50	0.60	0.067



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
106400	Soil	15	13	0.31	329	0.034	<1	1.01	0.006	0.04	0.1	0.03	4.1	0.1	<0.05	3	<0.5	<0.2
106401	Soil	10	15	0.12	211	0.011	<1	0.48	0.003	0.04	<0.1	0.04	3.5	<0.1	<0.05	2	1.0	<0.2
106402	Soil	12	18	0.28	326	0.029	<1	0.93	0.006	0.04	<0.1	0.04	3.7	<0.1	<0.05	3	<0.5	<0.2
106403	Soil	10	12	0.11	237	0.008	<1	0.44	0.003	0.05	<0.1	0.03	3.1	0.3	0.06	1	1.2	<0.2
106404	Soil	14	23	0.25	194	0.014	<1	1.10	0.004	0.06	<0.1	0.01	2.6	0.2	<0.05	3	<0.5	<0.2
106405	Soil	14	7	0.03	112	0.002	<1	0.36	0.001	0.06	<0.1	0.03	2.0	0.2	<0.05	1	0.8	<0.2
106406	Soil	19	18	0.27	237	0.015	<1	0.88	0.004	0.05	<0.1	0.07	3.8	0.1	<0.05	3	<0.5	<0.2
106407	Soil	18	17	0.76	276	0.140	<1	1.81	0.005	0.83	<0.1	0.01	7.7	0.8	<0.05	8	<0.5	<0.2
106408	Soil	38	11	0.14	181	0.006	<1	0.49	0.002	0.08	<0.1	0.02	4.2	0.3	<0.05	2	<0.5	<0.2
106409	Soil	40	29	0.53	234	0.036	<1	1.23	0.003	0.35	<0.1	0.07	4.2	0.5	<0.05	4	1.0	<0.2
106410	Soil	13	16	0.31	218	0.014	<1	1.00	0.006	0.04	0.1	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2
106411	Soil	17	19	0.32	356	0.026	<1	1.19	0.007	0.06	0.1	0.04	4.2	0.1	<0.05	4	<0.5	<0.2
112781	Soil	30	108	1.28	470	0.030	<1	1.80	0.009	0.23	<0.1	0.02	9.3	0.2	<0.05	8	<0.5	<0.2
112782	Soil	7	309	2.16	129	0.092	<1	1.57	0.009	0.02	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
112783	Soil	33	123	1.39	352	0.023	<1	2.63	0.008	0.18	<0.1	0.09	7.4	<0.1	<0.05	11	<0.5	<0.2
112784	Soil	39	45	0.56	258	0.043	<1	1.33	0.008	0.10	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
112785	Soil	14	82	0.97	288	0.064	<1	2.03	0.020	0.07	<0.1	0.03	8.7	<0.1	<0.05	7	<0.5	<0.2
112786	Soil	17	35	0.56	287	0.046	<1	1.29	0.010	0.04	0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
112787	Soil	15	26	0.62	305	0.051	<1	1.43	0.011	0.05	0.2	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
112788	Soil	13	24	0.60	293	0.058	<1	1.42	0.015	0.08	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
112789	Soil	17	17	0.34	271	0.030	<1	1.01	0.010	0.03	0.2	0.05	2.6	<0.1	<0.05	3	<0.5	<0.2
112790	Soil	19	19	0.38	290	0.035	<1	1.18	0.010	0.04	0.1	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
112791	Soil	17	19	0.37	262	0.037	<1	1.11	0.011	0.04	0.2	0.06	2.9	<0.1	<0.05	4	0.5	<0.2
112792	Soil	18	25	0.40	338	0.043	<1	1.21	0.010	0.06	0.2	0.04	3.5	<0.1	<0.05	4	0.8	<0.2
112793	Soil	15	28	0.46	352	0.038	<1	1.40	0.011	0.06	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
112794	Soil	14	25	0.41	293	0.041	<1	1.23	0.012	0.05	0.3	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
112795	Soil	14	25	0.38	317	0.031	1	1.13	0.013	0.05	0.2	0.04	2.8	<0.1	0.07	3	0.6	<0.2
112796	Soil	14	29	0.46	290	0.050	1	1.19	0.016	0.06	0.3	0.04	3.1	<0.1	<0.05	3	<0.5	<0.2
112797	Soil	15	26	0.49	265	0.049	1	1.22	0.016	0.07	0.2	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
112798	Soil	14	28	0.53	228	0.057	1	1.28	0.022	0.09	0.2	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
112799	Soil	1.1	30.8	9.8	72	0.1	28.3	10.0	423	2.44	10.3	0.6	1.4	4.4	39	0.3	0.9	0.1	53	1.01	0.075
112800	Soil	0.9	20.1	8.2	47	0.1	18.0	8.5	416	1.98	8.2	1.4	4.5	3.4	32	0.2	0.7	<0.1	43	0.62	0.076
112801	Soil	2.1	25.5	10.6	69	0.2	23.1	20.2	1253	3.13	12.0	1.5	0.7	3.0	39	0.3	0.7	0.2	55	0.67	0.076
112802	Soil	0.9	27.3	9.6	69	0.1	25.6	9.0	365	2.29	9.7	1.4	4.1	4.4	31	0.2	0.9	0.1	47	0.48	0.071
112803	Soil	1.1	27.9	9.6	61	0.1	23.5	8.3	330	2.29	9.8	4.9	6.1	5.4	32	0.1	0.7	0.2	49	0.46	0.062
112804	Soil	0.5	9.6	16.0	27	<0.1	8.2	2.2	68	0.73	3.0	1.6	1.8	12.5	9	<0.1	0.2	0.3	15	0.12	0.016
112805	Soil	1.1	14.0	8.3	33	<0.1	14.4	4.7	118	1.69	3.6	2.2	<0.5	15.5	13	<0.1	0.3	0.3	20	0.15	0.014
112806	Soil	0.3	5.7	4.2	33	<0.1	4.6	2.0	64	0.85	1.3	2.1	<0.5	16.4	10	<0.1	0.1	0.1	7	0.11	0.013
112807	Soil	1.2	28.1	32.6	100	<0.1	19.6	7.0	308	2.71	3.9	3.7	<0.5	24.9	22	<0.1	0.5	0.4	31	0.30	0.024
112808	Soil	0.7	33.4	47.5	89	0.1	25.2	10.0	337	2.80	8.2	1.4	0.8	8.1	29	0.2	0.6	0.2	48	0.47	0.044
112809	Soil	0.9	31.8	11.5	56	0.1	31.9	13.8	370	3.00	8.5	1.7	1.9	5.9	36	0.3	0.7	0.4	51	0.51	0.052
112810	Soil	0.5	23.5	10.1	38	<0.1	17.0	6.7	232	1.94	8.2	0.9	3.3	7.4	25	0.2	0.6	0.4	35	0.33	0.031
112811	Soil	0.7	27.9	9.8	50	0.1	21.3	8.5	322	2.06	9.8	0.8	3.6	6.7	31	0.3	0.9	0.4	37	0.75	0.048
112812	Soil	0.5	21.6	10.1	40	<0.1	16.1	6.8	223	1.88	6.9	1.0	2.0	8.3	24	0.2	0.7	0.4	34	0.32	0.028
112813	Soil	0.6	24.6	10.3	39	<0.1	16.9	6.4	165	1.94	7.2	1.2	3.1	8.4	24	0.2	0.7	0.3	33	0.30	0.030
112814	Soil	0.6	28.2	11.2	45	0.1	20.4	7.7	241	2.25	9.4	0.8	4.3	6.2	28	0.2	0.7	0.4	39	0.34	0.031
112815	Soil	0.7	23.5	9.5	41	<0.1	18.5	6.5	227	1.98	8.1	0.8	2.1	5.6	20	0.2	0.7	0.3	36	0.26	0.033
112816	Soil	0.9	35.6	12.8	54	<0.1	23.2	9.1	330	2.54	10.9	1.7	3.4	8.2	22	0.2	0.9	0.4	45	0.30	0.029
112817	Soil	0.9	30.5	13.2	55	0.1	19.8	10.3	424	2.23	8.4	2.4	3.1	5.6	25	0.3	0.7	0.3	42	0.30	0.052
112818	Soil	0.7	22.4	8.8	40	<0.1	14.0	5.9	215	1.81	6.8	1.8	0.9	7.4	15	0.2	0.5	0.2	36	0.21	0.043
112819	Soil	0.6	21.0	8.0	46	<0.1	14.2	6.2	184	1.91	6.7	1.3	2.3	6.2	17	0.1	0.5	0.2	36	0.22	0.040
112820	Soil	0.7	23.0	13.6	46	<0.1	16.2	6.0	223	2.02	8.5	2.2	8.2	6.3	20	0.2	0.5	0.3	41	0.26	0.047
112821	Soil	0.7	30.1	6.6	48	<0.1	26.1	7.0	178	2.26	10.7	1.9	0.5	4.5	19	0.2	0.8	0.2	48	0.26	0.041
112822	Soil	1.3	34.6	10.2	80	<0.1	93.2	15.6	676	3.72	69.7	3.7	2.2	6.1	21	0.2	4.2	0.2	53	0.29	0.053
112823	Soil	0.7	14.9	9.2	40	<0.1	15.6	5.0	147	1.77	8.4	1.4	1.8	4.6	20	0.2	0.5	0.2	31	0.23	0.036
112824	Soil	0.8	21.6	10.1	51	<0.1	19.6	6.4	230	2.06	9.7	2.0	3.0	5.2	23	0.2	0.7	0.3	35	0.31	0.049
112825	Soil	1.1	26.8	10.6	49	0.1	26.6	10.0	327	2.50	13.0	15.4	5.6	5.1	53	0.3	0.8	0.3	37	0.81	0.057
114162	Soil	0.2	39.2	16.1	180	<0.1	84.7	25.2	613	5.16	1.9	0.7	2.1	4.9	32	0.2	0.2	0.1	128	0.70	0.087
114163	Soil	0.6	86.5	4.8	57	<0.1	19.7	14.2	330	3.34	6.9	0.7	1.9	2.3	17	0.1	0.5	0.2	76	0.27	0.040
114164	Soil	0.2	173.2	1.7	58	<0.1	11.7	17.0	528	3.28	1.7	0.3	1.2	0.5	53	0.1	0.2	<0.1	99	0.86	0.089



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112799	Soil	17	29	0.61	266	0.064	2	1.33	0.026	0.12	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
112800	Soil	14	23	0.35	274	0.044	1	0.99	0.014	0.05	0.5	0.03	2.7	<0.1	<0.05	3	0.6	<0.2
112801	Soil	15	32	0.54	426	0.043	1	1.56	0.016	0.08	0.2	0.05	3.6	<0.1	0.07	5	0.7	<0.2
112802	Soil	16	27	0.49	327	0.050	1	1.16	0.020	0.06	0.3	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
112803	Soil	20	28	0.47	354	0.053	1	1.23	0.020	0.08	0.3	0.04	3.5	<0.1	<0.05	4	0.6	<0.2
112804	Soil	33	10	0.12	180	0.014	<1	0.56	0.008	0.10	<0.1	0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
112805	Soil	38	23	0.30	1006	0.021	<1	0.92	0.006	0.14	<0.1	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2
112806	Soil	48	7	0.24	205	0.008	<1	0.77	0.004	0.09	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
112807	Soil	75	35	0.97	398	0.069	1	2.19	0.010	0.24	<0.1	0.01	4.9	0.3	<0.05	7	<0.5	<0.2
112808	Soil	22	34	0.60	428	0.060	1	2.11	0.018	0.14	0.1	0.05	4.5	0.1	<0.05	6	<0.5	<0.2
112809	Soil	19	67	0.69	445	0.027	<1	1.68	0.009	0.10	<0.1	0.05	5.5	<0.1	<0.05	5	<0.5	<0.2
112810	Soil	20	21	0.32	370	0.022	<1	1.20	0.007	0.05	0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
112811	Soil	20	20	0.46	320	0.026	<1	1.11	0.010	0.07	0.1	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
112812	Soil	28	20	0.33	299	0.020	<1	1.14	0.008	0.08	<0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
112813	Soil	26	20	0.31	335	0.020	<1	1.15	0.007	0.07	<0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
112814	Soil	18	25	0.38	447	0.021	<1	1.40	0.011	0.06	<0.1	0.05	3.8	<0.1	<0.05	4	<0.5	<0.2
112815	Soil	18	21	0.32	284	0.020	<1	1.07	0.005	0.06	0.1	0.04	2.8	<0.1	<0.05	3	<0.5	<0.2
112816	Soil	22	28	0.40	382	0.023	<1	1.39	0.006	0.07	<0.1	0.06	4.3	<0.1	<0.05	5	<0.5	<0.2
112817	Soil	31	25	0.34	367	0.019	<1	1.07	0.006	0.06	0.1	0.06	3.6	<0.1	<0.05	4	<0.5	<0.2
112818	Soil	24	19	0.28	220	0.023	<1	0.74	0.005	0.06	0.2	0.03	3.0	<0.1	<0.05	3	0.7	<0.2
112819	Soil	19	21	0.35	247	0.025	<1	0.86	0.006	0.06	0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
112820	Soil	24	23	0.30	279	0.018	<1	0.83	0.005	0.07	0.2	0.05	3.6	<0.1	<0.05	3	<0.5	<0.2
112821	Soil	14	33	0.47	300	0.024	<1	1.00	0.006	0.05	0.2	0.04	4.3	<0.1	<0.05	3	<0.5	<0.2
112822	Soil	21	78	0.57	456	0.015	<1	1.37	0.006	0.09	0.1	0.06	9.0	<0.1	<0.05	4	0.5	<0.2
112823	Soil	14	19	0.25	220	0.020	<1	0.78	0.005	0.04	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
112824	Soil	17	23	0.32	353	0.022	<1	0.98	0.007	0.05	0.2	0.06	3.3	<0.1	<0.05	3	0.5	<0.2
112825	Soil	19	27	0.42	699	0.016	<1	1.14	0.007	0.06	0.2	0.08	4.0	<0.1	0.08	4	0.9	<0.2
114162	Soil	8	152	2.52	633	0.156	<1	3.21	0.014	0.87	<0.1	0.01	7.1	0.3	<0.05	12	<0.5	<0.2
114163	Soil	7	25	0.87	229	0.029	<1	1.69	0.009	0.03	<0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
114164	Soil	1	11	0.84	373	0.041	<1	1.96	0.026	0.18	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
114165	Soil	0.3	175.6	1.8	115	<0.1	7.5	19.7	659	5.92	4.7	0.6	1.1	1.4	28	0.2	0.3	<0.1	170	0.70	0.113
114166	Soil	0.4	154.2	2.7	49	<0.1	25.9	15.9	534	3.07	2.2	0.5	1.6	0.8	25	0.1	0.4	<0.1	75	0.51	0.058
114167	Soil	0.3	174.1	2.0	90	<0.1	32.7	29.2	762	4.75	1.6	0.5	3.5	0.9	29	0.1	0.3	<0.1	127	0.61	0.090
114168	Soil	0.8	115.8	7.7	79	<0.1	25.4	16.2	550	3.73	8.4	0.8	2.2	3.0	24	0.1	0.8	0.2	93	0.42	0.072
114169	Soil	0.5	134.9	6.7	70	<0.1	24.3	15.6	407	3.54	6.5	0.9	3.7	2.7	24	0.1	0.7	0.2	93	0.43	0.060
114170	Soil	0.9	54.6	7.6	61	<0.1	20.5	12.1	356	2.65	8.6	0.7	5.1	3.2	23	0.2	0.7	0.2	60	0.41	0.068
114171	Soil	0.8	40.2	7.9	51	0.1	23.4	11.3	713	2.18	9.0	1.9	1.2	2.2	42	0.4	0.7	0.2	43	0.74	0.074
114172	Soil	1.1	33.3	9.7	80	0.1	27.8	9.6	372	2.36	11.4	0.6	1.4	3.5	25	0.5	1.0	0.2	39	0.38	0.077
114173	Soil	1.4	33.6	10.9	80	0.1	29.0	11.0	437	2.49	12.5	1.0	1.9	3.5	45	0.4	1.0	0.2	41	1.10	0.070
114174	Soil	0.9	29.5	9.3	57	0.1	23.3	9.2	399	2.23	9.2	1.7	2.3	2.7	40	0.3	0.7	0.2	42	0.66	0.066
114175	Soil	0.9	29.0	9.5	65	0.1	24.8	9.7	455	2.34	10.0	0.9	3.3	3.2	31	0.3	0.8	0.3	44	0.49	0.066
114176	Soil	0.7	20.2	8.3	47	<0.1	15.3	6.5	215	1.71	8.2	0.9	1.8	2.7	24	0.2	0.6	0.2	33	0.36	0.066
114177	Soil	0.7	21.8	9.3	51	0.1	17.2	8.3	409	1.91	6.8	1.0	1.4	2.3	30	0.2	0.7	0.2	36	0.44	0.072
114178	Soil	1.0	27.1	9.5	59	0.1	20.9	10.2	639	2.18	9.2	1.3	2.5	2.4	49	0.4	0.8	0.2	40	0.92	0.069
114179	Soil	1.3	28.0	9.3	55	0.2	24.7	10.0	475	2.27	10.3	2.4	1.0	2.0	53	0.4	0.7	0.2	39	0.96	0.076
114180	Soil	1.3	34.9	9.8	69	0.2	30.4	10.9	482	2.48	10.9	6.4	2.7	2.8	49	0.5	1.0	0.2	41	0.80	0.076
114181	Soil	1.8	33.2	10.2	84	0.1	30.7	10.3	476	2.56	11.7	1.3	3.1	3.9	43	0.5	0.9	0.2	43	1.37	0.072
114182	Soil	1.2	31.2	8.8	67	0.1	25.6	9.4	426	2.32	10.7	0.6	1.6	3.5	40	0.4	0.9	0.1	40	1.68	0.069
114183	Soil	1.1	28.7	8.2	60	0.1	23.2	8.4	398	2.09	10.3	0.7	3.6	3.8	40	0.3	0.7	0.1	37	1.45	0.071
114184	Soil	0.9	27.9	10.1	59	0.1	22.7	8.4	311	2.16	10.4	0.7	2.3	4.5	22	0.2	0.7	0.2	41	0.36	0.049
114185	Soil	0.8	33.1	11.9	65	0.1	38.6	10.5	437	2.56	13.1	3.4	2.4	7.1	22	0.2	0.6	0.2	46	0.36	0.040
114186	Soil	0.7	22.0	9.7	46	<0.1	20.7	6.4	226	1.92	7.6	1.2	2.9	5.8	19	0.1	0.5	0.1	34	0.29	0.042
114187	Soil	1.3	19.4	12.3	43	<0.1	20.8	7.9	451	1.89	7.5	1.7	2.7	15.2	14	0.1	0.5	0.2	28	0.21	0.030
114188	Soil	0.9	34.5	8.8	54	0.1	22.8	7.6	286	2.25	10.8	0.9	8.8	6.2	23	0.1	0.6	0.2	40	0.34	0.057
114189	Soil	0.7	28.4	9.8	50	0.1	22.1	9.8	441	2.35	10.6	1.1	3.0	4.0	35	<0.1	0.6	0.2	47	0.55	0.060
114190	Soil	0.8	29.8	9.8	52	0.1	23.7	10.0	436	2.43	10.4	1.1	3.0	4.1	34	0.1	0.6	0.1	47	0.55	0.058
114191	Soil	0.8	18.6	10.8	38	<0.1	16.0	5.9	232	1.81	7.7	1.1	1.4	7.9	19	<0.1	0.4	0.2	30	0.33	0.038
114192	Soil	1.1	30.0	9.7	65	0.1	24.7	9.9	470	2.40	10.6	0.6	2.4	4.0	29	0.3	0.7	0.2	43	0.51	0.078
114193	Soil	1.0	32.3	9.4	61	0.1	25.0	10.3	460	2.41	10.5	1.2	4.7	3.9	32	0.3	0.8	0.2	45	0.54	0.067
114194	Soil	1.0	33.1	9.7	64	0.1	25.9	10.4	432	2.49	10.9	0.8	2.4	4.1	33	0.2	0.7	0.2	50	0.61	0.069



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
114165	Soil	6	8	0.98	304	0.024	<1	1.85	0.013	0.08	<0.1	0.02	14.9	<0.1	<0.05	10	<0.5	<0.2
114166	Soil	3	45	1.33	226	0.017	<1	1.80	0.016	0.03	<0.1	0.02	6.5	<0.1	<0.05	6	<0.5	<0.2
114167	Soil	5	31	1.42	413	0.077	<1	2.13	0.014	0.19	<0.1	<0.01	5.2	<0.1	<0.05	8	<0.5	<0.2
114168	Soil	9	25	0.73	337	0.029	<1	1.61	0.013	0.05	0.1	0.03	6.8	<0.1	<0.05	6	<0.5	<0.2
114169	Soil	8	28	0.71	279	0.046	<1	1.82	0.016	0.06	<0.1	0.04	6.9	<0.1	<0.05	6	<0.5	<0.2
114170	Soil	11	21	0.54	258	0.041	<1	1.18	0.012	0.07	0.2	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
114171	Soil	10	20	0.40	386	0.025	<1	0.96	0.010	0.03	0.2	0.05	3.1	<0.1	0.07	3	0.6	<0.2
114172	Soil	12	23	0.48	343	0.030	<1	0.98	0.012	0.05	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
114173	Soil	11	25	0.65	349	0.031	<1	1.07	0.015	0.07	0.3	0.04	3.0	<0.1	0.06	3	0.8	<0.2
114174	Soil	12	23	0.46	304	0.030	1	1.10	0.013	0.05	0.2	0.04	2.8	<0.1	<0.05	3	0.5	<0.2
114175	Soil	12	25	0.46	296	0.035	<1	1.06	0.011	0.06	0.2	0.05	3.0	<0.1	<0.05	3	<0.5	<0.2
114176	Soil	11	18	0.32	224	0.026	<1	0.79	0.008	0.03	0.2	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
114177	Soil	12	22	0.39	345	0.022	<1	1.05	0.009	0.03	0.2	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
114178	Soil	12	24	0.45	371	0.027	1	1.08	0.012	0.04	0.2	0.04	2.8	<0.1	0.06	3	0.6	<0.2
114179	Soil	10	23	0.48	381	0.023	<1	1.02	0.011	0.05	0.2	0.04	2.5	<0.1	<0.05	3	0.6	<0.2
114180	Soil	11	28	0.53	461	0.027	<1	1.11	0.012	0.05	0.3	0.03	2.7	<0.1	<0.05	3	0.8	<0.2
114181	Soil	12	29	0.74	373	0.044	2	1.12	0.015	0.10	0.3	0.03	2.9	<0.1	<0.05	3	0.8	<0.2
114182	Soil	11	22	0.68	380	0.040	2	0.96	0.014	0.07	0.2	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
114183	Soil	11	20	0.66	326	0.035	2	0.82	0.012	0.06	0.3	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
114184	Soil	15	24	0.45	266	0.043	1	1.06	0.012	0.06	0.2	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
114185	Soil	21	43	0.60	382	0.049	1	1.53	0.008	0.14	0.1	0.04	4.1	0.1	<0.05	5	0.6	<0.2
114186	Soil	17	25	0.37	257	0.037	<1	1.01	0.007	0.08	0.2	0.03	2.7	<0.1	<0.05	3	0.7	<0.2
114187	Soil	27	17	0.21	225	0.022	<1	0.88	0.005	0.09	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
114188	Soil	16	24	0.37	283	0.045	1	1.17	0.012	0.06	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
114189	Soil	15	27	0.44	365	0.040	1	1.44	0.013	0.05	0.2	0.04	3.4	<0.1	<0.05	4	0.8	<0.2
114190	Soil	15	26	0.43	374	0.039	<1	1.38	0.013	0.06	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
114191	Soil	17	17	0.26	245	0.025	<1	1.08	0.007	0.07	0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
114192	Soil	15	26	0.47	336	0.048	1	1.24	0.012	0.06	0.3	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
114193	Soil	15	25	0.46	392	0.050	1	1.25	0.014	0.05	0.2	0.06	3.2	<0.1	<0.05	4	<0.5	<0.2
114194	Soil	13	28	0.51	285	0.056	2	1.36	0.020	0.08	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
114195	Soil	1.0	28.9	9.0	61	0.1	23.5	9.0	421	2.23	10.1	0.6	2.8	4.4	43	0.3	0.7	0.2	40	1.38	0.079
114196	Soil	1.1	30.3	9.1	57	0.1	25.4	10.2	452	2.41	10.4	0.7	1.6	3.3	44	0.2	0.8	0.2	44	0.96	0.068
114197	Soil	0.9	32.4	9.1	64	0.1	25.5	9.8	416	2.34	12.0	0.6	3.6	4.3	32	0.3	0.7	0.2	43	0.75	0.075
114198	Soil	0.8	45.3	7.5	58	<0.1	35.8	12.3	321	3.28	18.2	1.4	2.2	4.3	25	<0.1	0.7	0.1	64	0.50	0.070
114199	Soil	0.7	28.9	8.9	48	0.2	25.6	9.1	340	2.48	13.8	3.6	3.1	3.2	31	0.1	0.6	0.2	50	0.57	0.057
114200	Soil	0.9	31.2	7.7	50	0.2	27.3	10.6	452	2.46	14.6	1.9	3.2	2.0	36	0.2	0.6	0.1	49	0.69	0.074
114201	Soil	0.8	28.7	5.9	44	0.1	43.9	15.2	919	2.63	9.2	1.4	6.6	2.2	32	0.1	0.4	<0.1	52	0.59	0.078
114202	Soil	0.6	32.0	8.0	50	0.1	31.3	12.3	407	2.49	8.4	2.2	1.2	2.4	36	0.1	0.5	0.1	52	0.66	0.076
114203	Soil	0.5	24.8	7.8	45	<0.1	27.2	7.6	194	1.97	5.7	1.2	1.2	2.2	27	0.1	0.3	0.1	47	0.49	0.071
114204	Soil	0.3	17.5	7.4	46	<0.1	13.1	5.4	143	1.41	4.1	3.2	8.2	4.7	18	0.2	0.6	0.1	29	0.28	0.056
114205	Soil	0.9	42.0	9.3	69	0.1	24.9	10.9	375	2.73	8.8	1.8	2.3	4.6	29	0.2	0.6	0.2	53	0.48	0.063
114206	Soil	0.8	26.7	9.3	58	<0.1	19.5	7.7	260	2.26	8.8	1.8	7.0	5.7	28	<0.1	0.5	0.2	40	0.40	0.055
114207	Soil	0.9	28.9	9.3	54	0.1	25.1	7.6	311	2.32	9.5	1.3	3.1	5.0	25	0.1	0.6	0.2	43	0.37	0.054
114208	Soil	0.9	32.9	10.8	75	0.1	39.4	8.1	333	3.26	8.6	1.9	4.4	11.7	17	0.2	0.6	0.2	47	0.29	0.058
114209	Soil	0.9	36.8	9.3	67	0.1	33.5	8.9	316	2.79	9.8	1.2	3.3	5.8	27	0.1	0.6	0.2	57	0.43	0.060
114210	Soil	0.8	39.1	10.5	70	0.2	39.2	11.0	423	3.20	9.0	1.5	2.4	7.3	27	<0.1	0.6	0.2	66	0.47	0.063
114211	Soil	0.9	31.6	8.4	57	0.1	22.3	9.1	386	2.37	8.6	1.2	3.1	3.4	33	0.1	0.6	0.2	49	0.56	0.067
114212	Soil	0.8	24.4	8.9	48	0.1	20.9	9.5	384	2.18	8.3	1.2	2.9	3.2	33	0.2	0.5	0.1	43	0.56	0.072
114213	Soil	0.6	28.5	9.2	62	<0.1	23.0	7.7	233	2.40	9.4	0.8	2.4	3.4	33	0.2	0.5	0.1	49	0.55	0.068
114214	Soil	1.2	26.5	8.5	61	0.1	23.6	11.4	514	2.34	9.2	0.9	4.2	2.3	44	0.3	0.7	0.1	46	0.73	0.076
114215	Soil	1.1	33.4	9.4	66	0.1	28.5	10.7	451	2.56	10.6	0.6	4.5	4.0	43	0.2	0.7	0.2	50	1.10	0.079
114216	Soil	1.0	33.2	8.6	66	0.1	27.4	10.4	469	2.48	10.6	0.6	6.1	3.9	40	0.3	0.8	0.2	52	1.05	0.078
114217	Soil	0.8	32.7	9.3	66	0.1	25.8	8.9	383	2.23	10.2	0.6	5.2	4.4	25	0.2	0.7	0.1	44	0.53	0.071
114218	Soil	1.3	33.9	10.3	78	0.2	32.1	11.0	497	2.63	10.5	1.0	0.7	4.2	47	0.4	0.8	0.1	56	1.25	0.093
114219	Soil	0.9	28.1	9.1	63	0.1	26.5	9.8	425	2.28	8.4	2.4	3.5	3.4	44	0.3	0.7	0.1	50	0.73	0.060
114220	Soil	1.1	32.0	11.0	83	0.2	33.9	11.2	577	2.45	9.4	0.7	2.5	4.9	36	0.4	0.9	0.1	55	0.74	0.086
114221	Soil	0.9	25.2	10.4	57	<0.1	21.5	9.3	420	2.24	8.8	2.0	2.6	3.6	36	0.2	0.7	0.1	47	0.61	0.059
114222	Soil	0.8	29.3	10.1	66	0.1	26.7	9.9	451	2.49	10.1	0.6	7.0	5.1	35	0.2	0.7	0.1	49	1.05	0.067
114223	Soil	1.1	37.1	10.8	71	0.1	27.4	11.0	459	2.51	12.5	0.7	3.3	5.0	46	0.4	1.1	0.2	47	1.38	0.075
114224	Soil	0.7	33.4	10.0	66	0.1	25.0	10.4	430	2.26	10.9	0.6	3.1	4.9	44	0.3	0.9	0.2	45	1.25	0.077



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
114195	Soil	14	23	0.58	273	0.050	2	0.99	0.015	0.08	0.2	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
114196	Soil	14	25	0.51	369	0.048	2	1.21	0.017	0.06	0.2	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
114197	Soil	15	25	0.53	318	0.051	1	1.17	0.015	0.06	0.3	0.03	3.1	<0.1	<0.05	3	<0.5	<0.2
114198	Soil	14	53	0.70	333	0.075	<1	1.62	0.014	0.08	0.1	0.02	5.1	<0.1	<0.05	5	0.8	<0.2
114199	Soil	16	38	0.57	491	0.035	<1	1.62	0.010	0.05	0.1	0.05	3.9	<0.1	<0.05	5	0.5	<0.2
114200	Soil	12	42	0.56	417	0.038	1	1.30	0.014	0.06	0.1	0.05	3.4	<0.1	<0.05	4	0.6	<0.2
114201	Soil	10	76	0.89	360	0.046	1	1.51	0.015	0.04	0.1	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
114202	Soil	13	48	0.61	460	0.045	1	1.57	0.012	0.04	0.1	0.05	4.2	<0.1	<0.05	5	0.5	<0.2
114203	Soil	11	48	0.59	290	0.051	<1	1.36	0.012	0.04	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
114204	Soil	17	18	0.31	254	0.038	<1	0.99	0.008	0.05	0.2	0.05	2.4	<0.1	<0.05	3	<0.5	<0.2
114205	Soil	15	26	0.53	318	0.054	<1	1.42	0.015	0.09	0.2	0.03	3.8	<0.1	<0.05	4	0.7	<0.2
114206	Soil	22	24	0.39	329	0.044	<1	1.17	0.012	0.08	0.2	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
114207	Soil	19	28	0.43	330	0.045	<1	1.26	0.011	0.06	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
114208	Soil	46	37	0.44	260	0.046	<1	1.42	0.008	0.20	<0.1	0.02	5.9	0.1	<0.05	6	<0.5	<0.2
114209	Soil	18	39	0.54	342	0.058	<1	1.55	0.013	0.07	0.2	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
114210	Soil	24	54	0.72	352	0.062	1	1.91	0.012	0.12	0.1	0.04	5.2	0.1	<0.05	6	0.5	<0.2
114211	Soil	15	27	0.46	338	0.050	<1	1.37	0.014	0.06	0.3	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
114212	Soil	14	24	0.44	308	0.043	1	1.24	0.013	0.05	0.2	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
114213	Soil	14	29	0.53	271	0.056	2	1.41	0.016	0.07	0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
114214	Soil	13	28	0.50	318	0.045	1	1.39	0.015	0.07	0.2	0.03	3.3	<0.1	<0.05	4	0.5	<0.2
114215	Soil	14	29	0.63	244	0.063	2	1.30	0.021	0.11	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
114216	Soil	14	29	0.59	251	0.062	2	1.24	0.020	0.10	0.3	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
114217	Soil	15	24	0.49	373	0.050	1	1.08	0.016	0.06	0.3	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
114218	Soil	15	32	0.73	258	0.069	3	1.26	0.029	0.15	0.2	0.02	3.7	0.1	<0.05	4	0.7	<0.2
114219	Soil	16	29	0.47	363	0.053	2	1.36	0.018	0.08	0.2	0.02	3.7	<0.1	<0.05	4	0.9	<0.2
114220	Soil	16	33	0.70	274	0.069	3	1.41	0.026	0.15	0.2	0.03	3.9	0.1	<0.05	4	<0.5	<0.2
114221	Soil	16	28	0.51	372	0.052	1	1.45	0.019	0.07	0.2	0.03	3.2	<0.1	<0.05	4	0.7	<0.2
114222	Soil	15	30	0.61	274	0.066	2	1.29	0.022	0.10	0.3	<0.01	3.7	<0.1	<0.05	4	0.5	<0.2
114223	Soil	14	26	0.64	317	0.059	2	1.22	0.020	0.06	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
114224	Soil	14	24	0.55	316	0.059	2	1.10	0.018	0.07	0.3	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
114225	Soil	0.7	32.0	11.2	61	0.1	25.4	10.7	453	2.42	11.5	0.7	2.8	4.6	44	0.3	1.0	0.2	45	1.01	0.066
114226	Soil	0.8	31.9	10.1	63	0.1	24.9	10.4	413	2.57	11.6	0.6	2.4	4.2	41	0.1	0.8	0.2	47	0.73	0.059
114227	Soil	0.6	24.7	12.0	49	<0.1	18.8	8.1	344	2.08	8.2	0.7	5.0	7.6	41	0.2	0.7	0.2	38	0.99	0.046
114228	Soil	0.5	21.5	10.5	39	<0.1	15.5	5.6	190	1.99	6.6	1.1	2.2	14.6	20	<0.1	0.6	0.2	32	0.27	0.031
114229	Soil	0.4	17.2	6.5	33	<0.1	12.1	4.6	156	1.75	4.2	2.0	1.6	22.3	12	<0.1	0.4	0.1	22	0.16	0.017
114230	Soil	0.3	12.3	11.6	40	<0.1	8.3	3.8	187	1.67	2.8	2.1	1.5	24.4	12	<0.1	0.4	0.3	20	0.11	0.013
114231	Soil	0.4	20.4	12.1	46	<0.1	15.1	6.2	181	1.88	5.4	1.5	3.5	15.6	16	<0.1	0.5	0.2	33	0.18	0.012
114232	Soil	0.5	24.8	18.6	63	<0.1	16.5	6.3	223	2.05	7.7	2.0	1.7	17.1	11	<0.1	0.6	0.2	34	0.11	0.019
114233	Soil	1.0	25.5	10.5	52	0.1	21.4	9.2	320	2.22	9.5	5.5	3.4	10.2	32	0.2	0.8	0.3	44	0.50	0.062
114234	Soil	0.9	28.9	10.2	64	0.1	24.1	10.5	408	2.37	9.4	1.9	3.5	9.6	27	0.3	1.2	0.2	44	0.42	0.087
114235	Soil	0.9	18.6	10.8	50	<0.1	26.7	10.6	389	2.62	8.6	1.0	4.2	11.8	22	<0.1	0.7	0.4	47	0.29	0.034
114236	Soil	0.9	16.9	11.2	45	<0.1	15.0	7.8	261	2.14	7.2	1.3	2.4	14.0	16	<0.1	0.8	0.4	36	0.18	0.015
114237	Soil	0.9	15.3	10.8	47	0.2	17.5	7.4	227	2.53	11.6	0.8	5.3	9.2	20	<0.1	0.7	0.2	49	0.27	0.049
114238	Soil	0.8	15.5	9.4	40	<0.1	22.5	8.3	197	2.14	8.0	0.8	4.7	7.3	16	<0.1	0.6	0.2	43	0.21	0.015
114239	Soil	0.8	26.6	10.4	59	<0.1	22.8	8.8	220	2.52	10.1	0.8	3.9	9.6	22	<0.1	1.0	0.2	47	0.25	0.022
114240	Soil	0.7	27.5	9.9	61	<0.1	22.9	9.0	262	2.71	9.0	0.9	2.8	13.4	19	<0.1	0.9	0.3	46	0.24	0.023
114241	Soil	0.8	12.4	9.5	41	<0.1	15.0	7.1	250	2.08	9.7	0.8	1.3	7.4	15	<0.1	0.7	0.5	40	0.17	0.014
114242	Soil	0.6	31.2	9.0	52	0.1	23.4	9.3	366	2.53	10.8	0.9	5.9	6.2	28	<0.1	0.8	0.1	45	0.39	0.067
114243	Soil	0.8	29.5	9.9	55	<0.1	26.1	10.8	281	2.83	15.1	0.8	3.4	8.1	22	<0.1	0.9	0.2	53	0.28	0.036
114244	Soil	1.1	31.8	16.9	71	0.2	31.8	11.7	434	2.88	31.7	1.3	2.3	7.6	19	0.2	2.5	0.2	48	0.20	0.023
114245	Soil	0.6	51.1	17.6	101	<0.1	41.2	17.7	424	5.24	28.7	2.1	1.5	28.3	9	<0.1	6.7	0.3	45	0.13	0.057
114246	Soil	0.6	50.1	11.7	109	<0.1	40.9	16.9	402	5.19	10.0	3.2	2.0	33.8	9	<0.1	2.3	0.4	35	0.21	0.078
114247	Soil	0.7	37.4	16.7	97	<0.1	37.5	15.8	454	4.83	11.3	1.6	1.4	18.2	10	<0.1	1.6	0.3	45	0.10	0.033
114248	Soil	1.6	26.6	13.5	59	0.3	20.4	6.6	192	2.55	44.3	1.0	2.5	5.5	14	<0.1	6.5	0.2	50	0.07	0.023
114249	Soil	1.9	17.0	13.8	51	1.1	17.7	8.0	339	2.71	45.2	0.5	2.3	3.8	12	0.2	3.2	0.2	51	0.08	0.043
114250	Soil	0.9	30.7	8.0	84	<0.1	36.1	16.9	1066	5.01	10.2	1.3	2.1	4.0	23	<0.1	0.8	<0.1	90	0.47	0.079
114251	Soil	1.2	22.7	19.3	62	<0.1	21.5	8.7	256	3.14	88.2	1.2	1.7	6.8	13	<0.1	8.1	0.3	38	0.05	0.027
114252	Soil	1.6	34.4	15.3	88	0.6	33.1	11.9	238	3.32	63.0	1.4	3.7	7.8	15	0.1	9.3	0.2	49	0.05	0.025
114253	Soil	0.9	21.1	11.3	54	<0.1	25.9	9.0	295	2.93	14.5	0.5	1.0	5.4	15	<0.1	0.8	0.2	54	0.14	0.016
114254	Soil	0.6	29.7	14.4	101	<0.1	34.0	17.4	639	4.83	14.1	1.5	<0.5	14.6	18	<0.1	2.5	0.4	46	0.21	0.054



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
114225	Soil	16	27	0.57	349	0.057	2	1.35	0.016	0.07	0.2	0.03	3.4	<0.1	<0.05	4	0.6	<0.2
114226	Soil	14	27	0.56	331	0.058	<1	1.29	0.019	0.06	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
114227	Soil	20	21	0.44	318	0.066	<1	1.22	0.014	0.09	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
114228	Soil	42	19	0.34	311	0.042	<1	1.33	0.009	0.09	0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
114229	Soil	53	20	0.35	234	0.028	<1	1.15	0.005	0.12	<0.1	0.02	3.3	0.1	<0.05	4	<0.5	<0.2
114230	Soil	78	22	0.33	211	0.020	1	0.99	0.004	0.17	<0.1	<0.01	3.2	0.2	<0.05	4	<0.5	<0.2
114231	Soil	42	27	0.48	297	0.045	<1	1.31	0.005	0.09	<0.1	0.02	3.6	0.1	<0.05	4	<0.5	<0.2
114232	Soil	51	22	0.41	370	0.049	<1	1.23	0.009	0.09	0.2	0.02	4.6	0.1	<0.05	4	<0.5	<0.2
114233	Soil	25	25	0.49	343	0.072	<1	1.25	0.014	0.08	0.3	0.04	3.4	0.1	<0.05	4	<0.5	<0.2
114234	Soil	25	28	0.53	295	0.069	1	1.17	0.016	0.12	0.4	0.11	3.2	0.2	<0.05	4	0.5	<0.2
114235	Soil	30	42	0.57	316	0.085	<1	1.58	0.010	0.19	0.3	0.02	3.2	0.2	<0.05	5	<0.5	<0.2
114236	Soil	17	26	0.48	248	0.079	<1	1.20	0.010	0.09	0.3	0.01	3.3	0.2	<0.05	4	0.6	<0.2
114237	Soil	22	27	0.45	259	0.069	<1	1.29	0.010	0.09	0.3	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
114238	Soil	15	36	0.45	248	0.057	<1	1.27	0.010	0.08	0.3	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
114239	Soil	30	32	0.57	315	0.078	<1	1.49	0.009	0.11	0.2	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
114240	Soil	37	35	0.62	299	0.098	<1	1.53	0.009	0.16	0.3	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
114241	Soil	13	28	0.42	196	0.070	<1	1.10	0.006	0.14	0.3	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
114242	Soil	20	27	0.56	324	0.073	<1	1.27	0.016	0.09	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
114243	Soil	25	36	0.62	261	0.097	<1	1.45	0.012	0.15	0.2	0.04	4.6	0.1	<0.05	4	0.5	<0.2
114244	Soil	21	30	0.48	233	0.055	<1	1.44	0.007	0.12	0.1	0.05	4.1	0.1	<0.05	4	0.6	<0.2
114245	Soil	46	46	1.00	207	0.193	<1	2.38	0.006	1.21	<0.1	<0.01	5.4	0.9	<0.05	8	0.6	<0.2
114246	Soil	105	34	0.88	158	0.157	<1	2.10	0.008	0.89	<0.1	0.02	6.1	0.8	<0.05	6	0.6	<0.2
114247	Soil	37	42	0.91	185	0.241	<1	2.22	0.007	1.10	<0.1	0.02	4.9	1.0	<0.05	8	0.9	<0.2
114248	Soil	14	26	0.32	237	0.028	<1	1.55	0.005	0.06	0.1	0.12	3.1	0.3	<0.05	4	0.5	<0.2
114249	Soil	12	25	0.33	203	0.040	<1	1.56	0.005	0.07	0.3	0.05	2.4	0.4	<0.05	5	1.7	<0.2
114250	Soil	11	126	2.52	546	0.206	1	2.94	0.008	0.90	<0.1	0.12	12.5	0.9	<0.05	8	<0.5	<0.2
114251	Soil	15	20	0.15	172	0.013	<1	0.98	0.003	0.07	0.1	0.07	2.9	0.3	<0.05	4	0.5	<0.2
114252	Soil	16	31	0.26	273	0.027	1	1.66	0.005	0.08	0.1	0.20	3.9	0.4	<0.05	5	0.8	<0.2
114253	Soil	11	33	0.50	194	0.082	<1	1.68	0.007	0.14	0.2	0.02	2.8	0.1	<0.05	5	0.5	<0.2
114254	Soil	16	40	0.97	306	0.222	<1	2.32	0.006	1.00	<0.1	<0.01	4.2	0.8	<0.05	8	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2
114255	Soil				0.8	12.1	11.0	58	<0.1	20.8	9.9	272	2.86	5.9	0.7	2.0	6.4	13	<0.1	0.5	0.2
114256	Soil				0.5	37.7	11.7	70	<0.1	30.4	13.6	418	3.76	9.3	1.8	3.1	16.0	19	<0.1	0.9	0.3
114257	Soil				0.6	22.2	8.4	52	<0.1	20.4	8.1	236	2.48	7.0	1.6	21.3	9.3	16	<0.1	0.6	0.2
114258	Soil				1.0	17.1	14.0	123	0.1	39.3	17.1	1156	3.93	7.9	0.8	1.1	9.6	20	0.1	0.9	0.2
114259	Soil				0.8	18.5	8.8	53	<0.1	21.6	8.7	226	2.67	11.4	0.5	1.6	4.9	14	<0.1	0.7	0.2
114260	Soil				0.6	26.0	8.2	58	<0.1	25.0	10.8	319	2.87	14.4	0.6	1.8	7.8	19	<0.1	0.8	0.2
114261	Soil				0.6	21.2	10.5	50	0.2	16.9	8.5	358	2.60	9.4	1.2	1.4	7.8	16	<0.1	1.0	0.2
114262	Soil				1.0	13.1	10.1	49	<0.1	18.0	6.9	227	2.46	9.9	0.5	1.1	4.9	16	<0.1	0.6	0.2
114263	Soil				0.8	19.1	11.2	62	<0.1	29.0	9.4	353	2.88	7.5	2.2	2.8	20.7	17	<0.1	0.7	0.3
114265	Soil				0.8	23.4	9.8	44	<0.1	20.0	8.4	305	2.26	8.3	1.5	2.2	10.1	19	0.1	0.6	0.2
114266	Soil				0.8	26.8	10.0	54	0.1	21.1	8.0	329	2.48	9.6	1.5	4.1	10.7	22	<0.1	0.7	0.2
114267	Soil				0.9	21.6	14.6	50	<0.1	18.3	8.1	511	2.36	7.5	7.1	1.3	23.1	19	0.1	1.2	0.3
114268	Soil				0.7	23.4	12.9	46	<0.1	18.9	8.2	291	2.20	7.1	12.6	2.8	14.5	22	<0.1	0.7	0.3
114269	Soil				0.7	20.1	7.2	52	<0.1	18.4	6.5	318	2.04	9.1	1.4	3.0	4.1	25	0.2	0.6	0.2
114270	Soil				0.8	25.2	10.9	55	0.1	20.1	8.3	348	2.27	11.9	2.3	2.4	4.6	29	0.2	0.7	0.2
114271	Soil				0.7	23.4	10.7	45	0.1	18.2	8.1	327	2.09	11.9	2.2	2.5	3.7	31	0.1	0.6	0.2
114272	Soil				0.7	25.7	10.5	54	0.1	19.6	7.7	280	2.32	13.2	2.2	2.6	4.8	27	0.1	0.6	0.2
114273	Soil				0.8	27.0	12.9	54	0.1	19.6	8.4	365	2.34	13.7	1.6	1.5	6.5	29	<0.1	0.6	0.2
114274	Soil				0.6	23.8	12.5	43	0.1	18.3	8.2	357	2.26	12.3	1.9	2.0	6.7	29	0.2	0.5	0.2
114275	Soil				1.0	28.9	13.2	61	0.2	21.8	8.7	446	2.50	15.8	1.0	3.3	7.9	25	0.2	0.7	0.2
114276	Soil				1.1	34.6	16.3	49	0.2	22.3	8.4	551	2.72	15.2	1.8	2.0	11.1	27	0.1	0.7	0.2
114277	Soil				0.7	25.4	11.1	48	0.1	20.5	9.4	456	2.42	15.1	1.0	1.8	5.2	27	0.1	0.5	0.2
114278	Soil				0.8	35.3	10.6	58	0.1	25.1	9.6	426	2.60	13.0	1.4	3.4	4.7	33	0.1	0.6	0.2
114279	Soil				0.7	73.8	8.2	61	0.1	27.8	12.1	404	2.83	11.0	1.0	3.1	2.7	28	0.2	0.7	0.1
114280	Soil				0.8	51.0	10.8	83	0.1	83.0	16.7	774	3.71	21.0	1.0	4.2	5.7	24	0.2	0.9	0.2
114281	Soil				0.6	28.9	9.2	45	0.1	23.9	11.8	647	2.75	16.9	4.5	2.5	3.5	32	0.1	0.8	0.1
114282	Soil				1.0	36.3	11.1	49	0.2	104.1	14.0	569	2.73	27.6	1.9	0.9	3.2	39	0.2	0.8	0.2
114283	Soil				0.6	24.6	15.0	32	0.2	25.1	8.3	222	2.08	26.3	9.7	3.7	12.9	36	0.1	0.7	0.3
114284	Soil				0.5	82.9	6.1	35	0.1	50.9	13.2	450	2.29	16.9	3.1	0.9	1.5	54	0.2	0.6	0.1
114285	Soil				0.6	21.7	12.1	47	0.1	14.4	6.4	139	2.28	9.8	3.9	2.7	7.7	20	0.2	0.7	0.2



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
114255	Soil	34	29	0.54	187	0.092	<1	1.81	0.007	0.18	<0.1	0.01	2.5	0.2	<0.05	6	<0.5	<0.2
114256	Soil	43	35	0.78	253	0.158	<1	1.77	0.009	0.56	0.2	0.03	6.3	0.4	<0.05	6	0.7	<0.2
114257	Soil	45	26	0.50	184	0.076	<1	1.22	0.006	0.13	0.2	0.02	3.1	0.1	<0.05	4	<0.5	<0.2
114258	Soil	22	42	1.04	304	0.188	1	1.93	0.006	0.92	<0.1	0.02	6.0	0.7	<0.05	9	<0.5	<0.2
114259	Soil	13	30	0.58	278	0.077	<1	1.42	0.007	0.17	0.1	0.01	2.3	0.1	<0.05	4	<0.5	<0.2
114260	Soil	15	59	0.83	337	0.105	<1	1.58	0.007	0.25	0.2	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
114261	Soil	39	27	0.47	269	0.069	<1	1.29	0.006	0.17	0.2	0.03	2.9	0.2	<0.05	4	0.6	<0.2
114262	Soil	10	24	0.43	211	0.051	<1	1.43	0.005	0.13	0.2	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
114263	Soil	57	45	0.64	286	0.114	<1	1.59	0.007	0.36	0.3	0.02	4.3	0.4	<0.05	6	<0.5	<0.2
114265	Soil	33	27	0.44	304	0.054	<1	1.20	0.008	0.07	0.2	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
114266	Soil	32	27	0.47	348	0.059	<1	1.28	0.010	0.08	0.3	0.05	4.0	0.1	<0.05	4	<0.5	<0.2
114267	Soil	63	28	0.42	282	0.074	<1	1.40	0.006	0.24	0.5	0.15	4.8	0.4	<0.05	5	<0.5	<0.2
114268	Soil	41	24	0.39	373	0.064	<1	1.32	0.008	0.14	0.3	0.06	3.4	0.2	<0.05	4	1.2	<0.2
114269	Soil	15	22	0.37	276	0.042	<1	1.04	0.010	0.04	0.3	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
114270	Soil	20	23	0.33	374	0.028	<1	1.18	0.008	0.04	0.2	0.05	3.4	<0.1	<0.05	4	0.5	<0.2
114271	Soil	18	22	0.31	345	0.023	<1	1.14	0.007	0.04	0.2	0.05	3.0	<0.1	<0.05	3	<0.5	<0.2
114272	Soil	20	24	0.34	380	0.032	<1	1.28	0.008	0.05	0.2	0.08	3.6	<0.1	<0.05	4	<0.5	<0.2
114273	Soil	24	23	0.33	359	0.028	<1	1.29	0.008	0.05	0.1	0.06	3.6	<0.1	<0.05	4	0.6	<0.2
114274	Soil	23	20	0.31	340	0.022	<1	1.20	0.007	0.05	0.1	0.05	3.4	<0.1	<0.05	4	<0.5	<0.2
114275	Soil	28	24	0.32	379	0.028	<1	1.36	0.008	0.07	<0.1	0.05	3.9	<0.1	<0.05	4	<0.5	<0.2
114276	Soil	60	22	0.30	436	0.014	<1	1.34	0.007	0.08	0.1	0.07	4.5	<0.1	<0.05	4	<0.5	<0.2
114277	Soil	22	22	0.37	315	0.023	<1	1.22	0.009	0.06	0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
114278	Soil	20	25	0.46	377	0.033	<1	1.23	0.012	0.08	0.2	0.05	4.0	<0.1	<0.05	4	0.6	<0.2
114279	Soil	12	39	0.70	374	0.040	<1	1.43	0.016	0.05	0.1	0.06	4.5	<0.1	<0.05	4	<0.5	<0.2
114280	Soil	23	99	1.03	628	0.050	<1	1.79	0.010	0.14	<0.1	0.07	7.2	0.1	<0.05	6	<0.5	<0.2
114281	Soil	16	22	0.35	410	0.024	<1	1.18	0.011	0.05	0.2	0.05	3.4	<0.1	<0.05	3	0.6	<0.2
114282	Soil	15	66	0.38	613	0.013	<1	1.22	0.010	0.05	0.2	0.06	4.5	<0.1	<0.05	4	0.8	<0.2
114283	Soil	46	23	0.34	849	0.014	<1	1.29	0.009	0.08	0.1	0.04	3.8	<0.1	0.06	4	1.9	<0.2
114284	Soil	8	72	0.71	434	0.019	1	1.21	0.012	0.04	<0.1	0.04	4.0	<0.1	<0.05	3	0.6	<0.2
114285	Soil	33	22	0.28	309	0.033	<1	1.42	0.007	0.06	0.1	0.10	3.5	<0.1	<0.05	5	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
114286	Soil	0.6	29.0	13.8	61	0.1	22.2	7.4	169	2.37	71.4	1.7	1.5	9.0	24	0.3	0.6	0.2	27	0.54	0.062
114287	Soil	0.6	189.0	7.8	42	0.2	52.9	15.3	511	2.77	48.4	1.2	3.0	3.2	30	<0.1	1.2	0.1	49	0.83	0.069
114288	Soil	1.6	39.1	30.1	85	<0.1	34.0	10.5	352	2.95	2147	1.9	16.4	12.8	16	0.1	7.7	0.5	27	0.19	0.017
114289	Soil	1.0	36.1	16.4	84	<0.1	29.5	9.8	299	2.91	29.9	1.6	3.0	10.5	16	<0.1	0.7	0.3	40	0.39	0.040
114290	Soil	0.8	38.4	17.6	98	<0.1	33.2	9.7	288	3.18	25.2	1.5	2.5	12.5	16	0.2	0.7	0.3	39	0.39	0.046
114291	Soil	0.9	37.8	14.0	65	0.2	30.4	9.1	419	2.77	55.2	3.0	5.7	5.4	29	0.1	1.1	0.2	34	0.84	0.053
114292	Soil	0.6	32.3	13.2	64	0.1	30.1	9.8	555	2.72	73.5	1.8	3.5	5.1	29	0.1	1.1	0.3	39	0.71	0.045
114293	Soil	0.7	37.6	14.0	54	0.1	24.6	6.8	163	2.37	21.4	4.7	2.9	6.6	28	0.3	0.9	0.2	44	0.63	0.050
114294	Soil	0.9	35.7	10.7	61	0.1	31.8	14.8	954	3.47	23.5	4.6	4.5	2.5	62	0.3	1.0	0.2	43	1.29	0.074
114295	Soil	0.8	33.9	12.3	48	0.2	24.8	10.3	599	2.76	21.0	3.3	1.6	3.0	62	0.2	0.8	0.2	44	1.23	0.075
114296	Soil	0.9	31.9	10.8	42	0.2	25.0	10.5	753	2.45	15.7	1.7	3.1	1.9	63	0.2	0.8	0.2	41	1.23	0.091
114297	Soil	1.3	38.1	15.8	64	0.1	27.0	11.4	720	2.94	16.3	2.5	<0.5	6.7	41	0.4	0.5	0.3	40	0.74	0.064
114298	Soil	0.8	20.5	11.1	45	<0.1	15.0	4.6	156	1.97	9.8	1.4	3.3	8.7	23	<0.1	0.5	0.2	33	0.32	0.049
114299	Soil	0.8	30.3	12.3	56	0.2	23.4	8.5	240	2.64	15.7	1.7	17.9	5.9	35	0.2	0.7	0.2	45	0.53	0.056
114300	Soil	0.9	30.2	12.2	61	0.1	25.2	9.1	370	2.78	13.9	1.7	6.5	6.9	34	0.2	0.8	0.2	49	0.49	0.056
114301	Soil	0.9	19.9	10.7	45	0.1	15.7	7.2	237	2.29	12.4	1.6	10.6	4.5	28	<0.1	0.5	0.2	43	0.42	0.049
114302	Soil	0.9	21.7	10.1	53	<0.1	16.9	6.6	200	2.37	11.1	1.4	2.6	5.0	27	0.1	0.6	0.2	43	0.38	0.052
114303	Soil	1.0	28.5	11.0	70	0.1	24.3	8.5	304	2.66	12.2	1.7	3.6	6.6	32	0.2	0.7	0.2	47	0.46	0.065
114304	Soil	0.6	26.5	10.4	50	0.1	20.1	8.0	300	2.44	10.8	2.3	2.0	5.2	33	0.2	0.6	0.2	47	0.51	0.059



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
114286	Soil	34	20	0.27	589	0.013	<1	0.87	0.008	0.11	0.1	0.03	4.7	<0.1	<0.05	2	<0.5	<0.2
114287	Soil	12	73	0.68	435	0.012	<1	1.35	0.013	0.05	<0.1	0.04	6.7	<0.1	<0.05	4	<0.5	<0.2
114288	Soil	42	24	0.11	320	0.002	<1	0.74	0.003	0.08	<0.1	0.10	3.7	0.2	<0.05	2	<0.5	<0.2
114289	Soil	38	24	0.21	557	0.004	<1	1.11	0.005	0.08	<0.1	0.04	4.0	<0.1	<0.05	3	<0.5	<0.2
114290	Soil	46	23	0.16	544	0.002	<1	0.97	0.005	0.09	<0.1	0.05	4.0	<0.1	<0.05	3	<0.5	<0.2
114291	Soil	27	21	0.26	833	0.005	<1	1.03	0.008	0.07	<0.1	0.06	3.2	<0.1	<0.05	3	0.6	<0.2
114292	Soil	23	23	0.32	499	0.009	<1	1.21	0.010	0.05	0.1	0.04	3.4	<0.1	<0.05	3	<0.5	<0.2
114293	Soil	24	26	0.31	403	0.022	<1	1.14	0.010	0.06	0.2	0.09	4.2	<0.1	<0.05	3	0.6	<0.2
114294	Soil	17	25	0.37	619	0.037	3	1.33	0.015	0.06	0.2	0.05	4.0	<0.1	0.09	4	1.4	<0.2
114295	Soil	19	27	0.35	433	0.027	1	1.49	0.013	0.07	0.2	0.06	4.6	0.1	0.09	4	0.7	<0.2
114296	Soil	18	25	0.34	433	0.026	2	1.39	0.013	0.06	0.2	0.08	3.5	<0.1	0.06	4	1.0	<0.2
114297	Soil	49	26	0.29	488	0.009	<1	1.88	0.007	0.12	0.2	0.03	5.0	<0.1	<0.05	6	0.7	<0.2
114298	Soil	35	21	0.29	229	0.033	<1	1.07	0.009	0.08	0.1	0.03	3.6	<0.1	<0.05	3	0.6	<0.2
114299	Soil	28	30	0.39	422	0.042	1	1.66	0.013	0.08	0.2	0.06	4.8	<0.1	<0.05	5	<0.5	<0.2
114300	Soil	26	30	0.45	409	0.055	2	1.68	0.014	0.08	0.2	0.05	4.8	<0.1	<0.05	5	0.9	<0.2
114301	Soil	20	24	0.37	312	0.033	<1	1.35	0.010	0.05	0.2	0.03	3.4	<0.1	<0.05	4	0.5	<0.2
114302	Soil	21	26	0.39	324	0.048	1	1.48	0.011	0.06	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
114303	Soil	24	30	0.44	368	0.056	1	1.47	0.014	0.08	0.3	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
114304	Soil	21	27	0.41	377	0.044	<1	1.50	0.013	0.06	0.2	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
100357	Soil	0.6	18.7	9.3	51	<0.1	16.2	8.7	342	2.19	8.2	1.1	1.6	5.3	20	<0.1	0.5	0.2	41	0.24	0.032
REP 100357	QC	0.9	18.2	9.0	49	<0.1	15.7	8.5	338	2.15	8.0	1.1	2.8	5.6	20	<0.1	0.6	0.2	41	0.24	0.034
100368	Soil	0.8	34.8	10.4	64	0.1	23.6	9.7	462	2.32	11.0	0.7	2.6	4.4	34	0.3	0.8	0.2	43	0.64	0.069
REP 100368	QC	0.6	35.7	10.9	67	0.1	23.8	10.2	483	2.43	11.5	0.8	2.1	4.4	35	0.2	0.9	0.2	44	0.63	0.070
100393	Soil	0.7	27.6	8.9	55	0.1	22.2	8.6	396	2.11	8.7	1.5	2.4	2.1	43	0.1	0.7	0.2	37	0.63	0.063
REP 100393	QC	0.8	29.4	9.1	56	0.1	23.4	9.0	425	2.25	9.1	1.5	2.4	2.4	45	0.2	0.6	0.2	40	0.64	0.069
100412	Soil	0.5	18.0	7.7	54	<0.1	39.2	17.0	320	2.90	9.9	0.8	1.6	8.8	17	<0.1	0.9	<0.1	55	0.28	0.046
REP 100412	QC	0.4	17.6	7.7	53	<0.1	39.2	16.5	320	2.85	9.6	0.8	1.1	8.7	17	<0.1	0.9	<0.1	53	0.27	0.045
100441	Soil	0.7	21.9	7.8	75	0.1	17.7	14.1	520	4.00	17.4	0.6	<0.5	5.9	15	<0.1	2.5	<0.1	61	0.29	0.072
REP 100441	QC	0.5	20.8	7.3	67	0.1	17.1	12.7	473	3.65	15.8	0.6	<0.5	5.8	14	<0.1	2.4	<0.1	56	0.25	0.066
106401	Soil	1.3	36.9	14.0	92	0.1	27.6	6.2	189	2.25	33.3	2.3	3.5	4.8	17	0.1	1.9	0.2	43	0.08	0.032
REP 106401	QC	1.5	36.6	13.2	88	0.1	27.6	6.1	191	2.27	32.9	2.2	1.8	4.7	19	0.2	1.9	0.2	43	0.07	0.032
112784	Soil	0.5	28.1	22.3	66	<0.1	32.3	7.0	186	2.45	13.6	1.2	2.0	9.8	19	0.1	0.6	0.2	55	0.31	0.044
REP 112784	QC	0.3	28.2	21.9	68	<0.1	33.4	6.9	182	2.38	13.2	1.2	3.6	9.8	20	0.1	0.6	0.2	54	0.31	0.044
112797	Soil	0.7	26.0	9.3	53	<0.1	21.9	8.6	342	2.20	9.1	1.1	1.0	4.3	29	0.1	0.7	0.1	44	0.48	0.059
REP 112797	QC	0.9	26.3	9.5	54	0.1	22.7	8.8	345	2.27	9.4	1.1	2.3	4.2	31	0.1	0.6	0.1	46	0.49	0.056
112809	Soil	0.9	31.8	11.5	56	0.1	31.9	13.8	370	3.00	8.5	1.7	1.9	5.9	36	0.3	0.7	0.4	51	0.51	0.052
REP 112809	QC	1.0	31.4	11.6	56	0.1	29.7	13.3	350	2.85	9.0	1.7	3.0	6.3	35	0.4	0.9	0.6	51	0.50	0.051
114180	Soil	1.3	34.9	9.8	69	0.2	30.4	10.9	482	2.48	10.9	6.4	2.7	2.8	49	0.5	1.0	0.2	41	0.80	0.076
REP 114180	QC	1.3	34.3	10.1	67	0.2	30.5	10.4	464	2.43	10.4	6.4	1.7	2.8	49	0.4	0.9	0.2	41	0.81	0.075
114192	Soil	1.1	30.0	9.7	65	0.1	24.7	9.9	470	2.40	10.6	0.6	2.4	4.0	29	0.3	0.7	0.2	43	0.51	0.078
REP 114192	QC	1.0	30.4	9.5	66	0.1	24.3	9.7	448	2.35	10.3	0.6	1.4	4.0	29	0.2	0.7	0.2	43	0.48	0.077
114207	Soil	0.9	28.9	9.3	54	0.1	25.1	7.6	311	2.32	9.5	1.3	3.1	5.0	25	0.1	0.6	0.2	43	0.37	0.054
REP 114207	QC	0.8	30.6	9.6	58	0.1	25.8	7.8	319	2.37	9.7	1.3	2.3	5.0	25	<0.1	0.6	0.2	43	0.35	0.056
114228	Soil	0.5	21.5	10.5	39	<0.1	15.5	5.6	190	1.99	6.6	1.1	2.2	14.6	20	<0.1	0.6	0.2	32	0.27	0.031
REP 114228	QC	0.5	21.4	10.0	40	<0.1	16.2	5.5	187	1.97	6.7	1.1	2.5	13.8	22	<0.1	0.6	0.2	32	0.27	0.029
114249	Soil	1.9	17.0	13.8	51	1.1	17.7	8.0	339	2.71	45.2	0.5	2.3	3.8	12	0.2	3.2	0.2	51	0.08	0.043
REP 114249	QC	2.0	17.2	13.3	51	1.1	18.2	8.1	338	2.68	45.1	0.5	2.5	3.9	12	0.1	3.3	0.2	49	0.07	0.043



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Part 2

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
100357	Soil	15	25	0.41	318	0.037	<1	1.18	0.007	0.05	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
REP 100357	QC	15	24	0.41	313	0.040	<1	1.19	0.008	0.05	0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
100368	Soil	15	21	0.49	372	0.049	<1	1.09	0.014	0.05	0.2	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2
REP 100368	QC	16	21	0.51	383	0.050	<1	1.18	0.016	0.05	0.3	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
100393	Soil	13	23	0.40	370	0.030	1	1.15	0.011	0.04	0.2	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 100393	QC	14	24	0.43	383	0.033	<1	1.24	0.012	0.05	0.2	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
100412	Soil	15	177	1.53	539	0.148	<1	2.09	0.008	0.57	0.1	<0.01	2.5	0.3	<0.05	6	<0.5	<0.2
REP 100412	QC	15	174	1.48	532	0.144	<1	2.04	0.009	0.55	0.1	0.02	2.5	0.3	<0.05	6	<0.5	<0.2
100441	Soil	10	59	1.49	439	0.168	<1	2.50	0.007	1.05	0.1	<0.01	3.3	0.5	<0.05	7	<0.5	<0.2
REP 100441	QC	10	54	1.38	410	0.152	<1	2.31	0.009	0.94	0.1	<0.01	3.0	0.4	<0.05	7	<0.5	<0.2
106401	Soil	10	15	0.12	211	0.011	<1	0.48	0.003	0.04	<0.1	0.04	3.5	<0.1	<0.05	2	1.0	<0.2
REP 106401	QC	10	16	0.12	208	0.015	<1	0.46	0.003	0.04	<0.1	0.04	3.3	<0.1	<0.05	2	0.9	<0.2
112784	Soil	39	45	0.56	258	0.043	<1	1.33	0.008	0.10	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
REP 112784	QC	38	47	0.57	258	0.043	<1	1.33	0.008	0.11	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
112797	Soil	15	26	0.49	265	0.049	1	1.22	0.016	0.07	0.2	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
REP 112797	QC	15	27	0.48	270	0.054	2	1.23	0.018	0.07	0.3	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
112809	Soil	19	67	0.69	445	0.027	<1	1.68	0.009	0.10	<0.1	0.05	5.5	<0.1	<0.05	5	<0.5	<0.2
REP 112809	QC	19	63	0.65	443	0.035	<1	1.67	0.010	0.09	<0.1	0.05	5.4	<0.1	<0.05	6	<0.5	<0.2
114180	Soil	11	28	0.53	461	0.027	<1	1.11	0.012	0.05	0.3	0.03	2.7	<0.1	<0.05	3	0.8	<0.2
REP 114180	QC	11	27	0.53	464	0.025	<1	1.10	0.012	0.04	0.3	0.04	2.8	<0.1	<0.05	3	1.1	<0.2
114192	Soil	15	26	0.47	336	0.048	1	1.24	0.012	0.06	0.3	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
REP 114192	QC	15	26	0.46	324	0.047	2	1.24	0.013	0.06	0.2	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
114207	Soil	19	28	0.43	330	0.045	<1	1.26	0.011	0.06	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
REP 114207	QC	18	27	0.42	330	0.041	<1	1.26	0.011	0.06	0.2	0.05	3.6	<0.1	<0.05	4	0.7	<0.2
114228	Soil	42	19	0.34	311	0.042	<1	1.33	0.009	0.09	0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
REP 114228	QC	42	19	0.32	301	0.043	<1	1.32	0.009	0.09	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
114249	Soil	12	25	0.33	203	0.040	<1	1.56	0.005	0.07	0.3	0.05	2.4	0.4	<0.05	5	1.7	<0.2
REP 114249	QC	13	24	0.33	204	0.039	<1	1.51	0.005	0.06	0.3	0.05	2.3	0.4	<0.05	5	1.5	<0.2



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Part 1

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
114265	Soil	0.8	23.4	9.8	44	<0.1	20.0	8.4	305	2.26	8.3	1.5	2.2	10.1	19	0.1	0.6	0.2	39	0.24
REP 114265	QC	0.6	23.6	10.3	43	<0.1	18.8	8.5	315	2.28	8.8	1.5	2.5	10.4	19	<0.1	0.7	0.2	40	0.25
114276	Soil	1.1	34.6	16.3	49	0.2	22.3	8.4	551	2.72	15.2	1.8	2.0	11.1	27	0.1	0.7	0.2	39	0.56
REP 114276	QC	1.1	32.8	15.5	46	0.2	20.1	8.3	545	2.68	15.4	1.8	2.7	10.9	26	0.1	0.7	0.2	38	0.55
114296	Soil	0.9	31.9	10.8	42	0.2	25.0	10.5	753	2.45	15.7	1.7	3.1	1.9	63	0.2	0.8	0.2	41	1.23
REP 114296	QC	1.0	32.0	11.2	40	0.2	25.3	10.9	774	2.56	16.7	1.8	3.5	2.4	64	0.2	0.8	0.2	41	1.23
Reference Materials																				
STD DS8	Standard	11.8	112.5	118.3	314	1.7	38.0	7.6	638	2.53	25.9	2.5	116.8	6.3	64	2.4	5.3	6.7	44	0.68
STD DS8	Standard	13.1	102.4	122.2	303	1.8	36.4	7.2	583	2.31	23.1	2.8	110.3	6.6	63	1.9	5.0	5.8	40	0.69
STD DS8	Standard	10.5	112.7	123.9	312	1.8	38.2	7.6	596	2.43	24.7	2.6	127.8	5.6	57	2.5	4.7	6.6	40	0.61
STD DS8	Standard	12.8	122.5	127.1	326	1.8	38.0	7.8	586	2.42	27.3	3.0	109.4	7.3	62	2.7	6.1	7.4	43	0.67
STD DS8	Standard	11.4	114.6	125.6	318	1.8	36.4	7.2	577	2.38	25.2	2.8	108.6	6.7	62	2.2	5.9	6.8	40	0.61
STD DS8	Standard	12.4	117.6	124.0	312	1.7	37.5	7.6	587	2.38	25.0	2.8	110.2	6.9	63	2.3	5.2	6.7	44	0.63
STD DS8	Standard	12.2	105.2	124.8	312	1.8	36.4	7.2	583	2.40	24.7	2.7	111.8	6.4	63	2.3	4.9	6.2	40	0.66
STD DS8	Standard	12.1	103.2	128.8	311	1.7	34.9	6.9	585	2.39	24.1	2.8	103.7	6.5	63	2.5	5.0	6.6	39	0.63
STD DS8	Standard	12.8	110.7	120.8	312	1.7	38.5	7.7	606	2.42	24.1	2.6	107.0	6.1	60	2.2	4.9	6.3	42	0.68
STD DS8	Standard	12.8	115.5	122.6	325	1.8	39.9	7.9	618	2.49	26.2	2.7	108.4	6.2	58	2.5	5.1	6.5	43	0.68
STD DS8	Standard	14.1	115.0	132.2	320	1.9	39.3	7.6	624	2.52	25.3	3.2	109.1	7.9	68	2.2	5.8	6.6	44	0.74
STD DS8	Standard	14.3	113.1	133.0	333	1.9	38.0	7.8	664	2.62	26.8	3.0	122.7	8.0	79	2.3	6.1	6.7	45	0.80
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Project:

Wounded Moose

Report Date:

September 11, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11000827.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
114265	Soil	33	27	0.44	304	0.054	<1	1.20	0.008	0.07	0.2	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 114265	QC	34	28	0.45	301	0.052	<1	1.21	0.009	0.07	0.2	0.04	3.6	0.1	<0.05	4	<0.5	<0.2
114276	Soil	60	22	0.30	436	0.014	<1	1.34	0.007	0.08	0.1	0.07	4.5	<0.1	<0.05	4	<0.5	<0.2
REP 114276	QC	58	21	0.30	432	0.013	<1	1.34	0.007	0.07	0.1	0.09	4.4	<0.1	<0.05	4	0.7	<0.2
114296	Soil	18	25	0.34	433	0.026	2	1.39	0.013	0.06	0.2	0.08	3.5	<0.1	0.06	4	1.0	<0.2
REP 114296	QC	19	25	0.35	454	0.025	2	1.42	0.012	0.06	0.2	0.07	3.7	0.1	0.06	4	0.8	<0.2
Reference Materials																		
STD DS8	Standard	13	120	0.63	269	0.113	2	0.91	0.091	0.43	2.9	0.20	2.3	5.3	0.14	5	5.0	4.6
STD DS8	Standard	16	114	0.62	287	0.109	2	0.92	0.108	0.44	3.1	0.19	3.0	5.4	0.14	5	5.3	5.2
STD DS8	Standard	10	114	0.58	218	0.092	2	0.82	0.078	0.41	2.6	0.21	2.0	5.3	0.16	4	5.1	4.7
STD DS8	Standard	14	117	0.63	303	0.120	3	0.89	0.083	0.43	3.2	0.19	2.1	5.7	0.15	4	5.0	5.0
STD DS8	Standard	13	105	0.58	236	0.104	2	0.82	0.075	0.40	2.8	0.19	1.8	5.5	0.17	4	4.7	4.4
STD DS8	Standard	13	110	0.59	260	0.115	2	0.83	0.079	0.40	2.7	0.20	2.0	5.3	0.15	4	4.8	4.5
STD DS8	Standard	14	112	0.58	261	0.101	1	0.85	0.079	0.40	2.4	0.21	2.0	5.1	0.14	5	4.9	4.7
STD DS8	Standard	14	109	0.56	267	0.101	2	0.85	0.085	0.39	2.9	0.21	2.0	5.4	0.12	4	5.0	4.4
STD DS8	Standard	14	115	0.61	272	0.105	2	0.89	0.084	0.39	3.0	0.19	2.0	5.4	0.17	5	4.6	4.7
STD DS8	Standard	12	121	0.62	242	0.106	2	0.86	0.077	0.41	2.7	0.20	2.1	5.0	0.16	4	5.4	4.7
STD DS8	Standard	17	123	0.63	291	0.126	3	0.94	0.090	0.41	3.1	0.20	2.4	5.7	0.12	5	5.0	5.4
STD DS8	Standard	20	126	0.67	299	0.138	3	1.04	0.104	0.45	3.2	0.20	2.8	5.8	0.16	5	6.9	5.3
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
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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Wounded Moose

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Part 1

QUALITY CONTROL REPORT

WHI11000827.1

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



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Part 2

QUALITY CONTROL REPORT

WHI11000827.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
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: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 04, 2011
Report Date: September 12, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000828.1

CLIENT JOB INFORMATION

Project: Wounded Moose
Shipment ID: 20110728142011
P.O. Number
Number of Samples: 310

SAMPLE DISPOSAL

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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	310	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	310	Dry at 60C			VAN
1DX2	310	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

Wounded Moose

Report Date:

September 12, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000828.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
101694	Soil	1.5	27.2	13.1	66	<0.1	21.9	11.8	390	3.45	14.9	1.3	3.7	5.3	10	<0.1	1.2	0.3	59	0.10	0.036
101695	Soil	1.2	30.4	12.0	72	<0.1	24.6	10.3	289	3.19	11.0	1.2	5.0	7.9	14	<0.1	1.0	0.2	51	0.16	0.028
101696	Soil	1.8	37.1	14.9	66	0.3	22.9	7.7	205	2.68	32.5	1.7	4.1	4.4	15	0.3	4.6	0.2	54	0.09	0.042
101697	Soil	1.8	24.2	13.5	54	0.2	15.8	6.3	132	2.38	24.5	1.1	5.8	4.4	13	0.1	3.6	0.2	53	0.11	0.034
101698	Soil	1.4	30.6	10.1	59	0.1	18.7	7.1	178	2.40	22.1	1.3	6.1	4.1	13	0.2	3.4	0.2	50	0.11	0.032
101699	Soil	1.1	31.3	11.3	58	0.3	17.7	7.4	151	2.30	24.6	1.6	4.5	4.0	14	0.2	3.3	0.2	45	0.11	0.032
101700	Soil	1.1	25.2	10.4	51	0.1	14.5	5.9	135	2.19	23.9	1.1	5.0	5.7	13	0.1	2.1	0.2	41	0.08	0.024
101701	Soil	1.1	26.4	15.9	79	0.1	27.0	10.1	371	2.88	27.1	1.6	4.3	9.7	7	<0.1	4.4	0.2	45	0.04	0.024
101702	Soil	0.7	25.2	13.5	61	<0.1	18.2	6.9	320	2.54	13.9	1.5	5.0	6.8	13	<0.1	1.0	0.2	40	0.10	0.014
101703	Soil	0.5	53.5	17.5	80	<0.1	17.0	6.0	296	3.10	27.3	1.9	2.2	16.6	10	<0.1	2.7	0.1	37	0.10	0.031
101704	Soil	0.6	5.1	7.8	117	<0.1	80.7	19.2	817	1.65	7.2	0.4	1.8	3.3	7	<0.1	0.2	<0.1	60	0.11	0.050
101705	Soil	0.6	44.6	15.1	87	<0.1	30.3	9.8	698	2.95	22.7	2.0	10.4	6.1	22	<0.1	1.8	0.2	43	0.09	0.036
101706	Soil	0.5	132.1	7.9	178	<0.1	26.6	13.7	681	4.05	5.5	1.4	7.1	6.1	5	0.2	0.7	0.1	63	0.04	0.018
101707	Soil	1.0	55.1	14.6	97	0.1	27.6	8.4	688	3.28	50.5	1.7	16.9	6.1	30	<0.1	8.3	0.1	37	0.02	0.029
101708	Soil	1.1	76.1	12.0	106	<0.1	58.4	12.0	521	2.88	47.7	2.4	11.9	5.9	10	0.2	2.9	0.2	61	0.07	0.022
101709	Soil	1.5	76.5	19.1	186	0.1	76.7	13.8	2081	3.71	40.0	3.5	6.2	9.9	15	0.3	3.3	0.3	59	0.08	0.034
101710	Soil	0.9	32.9	17.5	152	<0.1	32.3	8.2	385	3.43	25.7	2.0	5.4	8.0	10	0.3	1.1	0.2	61	0.08	0.026
101711	Soil	1.1	45.3	16.8	163	<0.1	40.6	11.3	421	4.15	25.7	5.8	6.9	12.4	16	0.1	1.6	0.3	69	0.13	0.038
101712	Soil	0.9	26.2	13.8	97	<0.1	27.2	14.8	510	3.11	15.2	1.3	3.7	6.6	12	0.2	0.9	0.2	57	0.12	0.030
101713	Soil	0.4	31.1	7.6	80	<0.1	23.5	8.3	459	1.77	5.3	0.8	2.6	4.4	19	<0.1	0.5	<0.1	30	0.13	0.023
101714	Soil	1.4	24.5	18.8	73	<0.1	17.4	14.9	766	2.73	30.1	1.2	1.9	8.1	14	<0.1	1.8	0.3	46	0.06	0.051
101715	Soil	1.7	29.6	13.4	92	0.1	29.1	13.2	647	4.09	32.3	0.9	2.3	4.5	13	<0.1	1.4	0.2	84	0.11	0.084
101716	Soil	0.8	64.7	9.2	81	<0.1	67.2	11.9	579	2.60	31.2	1.4	2.6	5.3	16	<0.1	1.6	0.2	44	0.07	0.030
101717	Soil	1.1	36.9	14.3	66	0.2	29.6	6.7	354	2.55	26.2	1.7	5.4	6.7	13	0.1	1.2	0.2	48	0.08	0.024
101718	Soil	1.1	28.4	16.1	49	0.1	20.2	6.6	228	1.95	37.8	1.9	5.2	7.3	17	<0.1	1.4	0.2	37	0.05	0.029
101719	Soil	1.6	27.4	12.3	67	0.2	24.0	7.7	338	2.81	32.0	1.1	6.1	5.5	11	<0.1	1.3	0.2	53	0.08	0.035
101720	Soil	1.2	34.5	14.1	86	0.1	27.5	8.1	277	2.68	37.0	1.9	4.6	7.7	16	<0.1	1.5	0.2	44	0.07	0.029
101721	Soil	1.0	34.0	13.1	64	0.1	25.4	7.8	289	2.51	24.8	1.3	4.9	6.2	22	<0.1	1.1	0.2	46	0.21	0.038
101722	Soil	0.9	40.1	13.2	63	0.2	26.4	8.5	245	2.73	25.3	2.2	3.0	6.1	25	<0.1	0.8	0.2	49	0.29	0.046
101723	Soil	0.8	34.2	12.2	62	0.3	23.4	11.9	534	2.34	19.5	3.2	3.2	4.0	30	0.2	0.7	0.2	44	0.43	0.053



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Wounded Moose

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CERTIFICATE OF ANALYSIS

WHI11000828.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.01	0.1	0.05	1	0.5	0.2
101694	Soil	19	31	0.49	144	0.084	2	1.86	0.005	0.18	0.2	0.03	3.0	0.2	<0.05	6	0.6	<0.2
101695	Soil	22	33	0.60	206	0.084	<1	1.72	0.007	0.15	0.1	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
101696	Soil	17	27	0.34	207	0.046	<1	1.34	0.005	0.08	0.1	0.23	3.8	0.3	<0.05	4	0.7	<0.2
101697	Soil	14	28	0.35	193	0.045	<1	1.36	0.005	0.05	0.1	0.08	3.2	0.1	<0.05	4	0.8	<0.2
101698	Soil	18	27	0.33	221	0.047	<1	1.23	0.006	0.04	<0.1	0.10	3.7	0.1	<0.05	3	0.5	<0.2
101699	Soil	18	26	0.32	206	0.039	<1	1.21	0.006	0.04	0.1	0.14	3.7	0.2	<0.05	3	0.6	<0.2
101700	Soil	15	22	0.26	175	0.040	<1	1.14	0.005	0.04	0.1	0.09	3.5	0.1	<0.05	3	<0.5	<0.2
101701	Soil	22	23	0.22	189	0.031	<1	1.32	0.004	0.07	<0.1	0.08	4.2	0.3	<0.05	4	<0.5	<0.2
101702	Soil	17	20	0.29	255	0.042	<1	1.15	0.005	0.05	<0.1	0.07	4.5	0.1	<0.05	4	0.6	<0.2
101703	Soil	39	26	0.65	255	0.051	<1	1.96	0.005	0.37	<0.1	0.02	6.1	0.7	<0.05	6	<0.5	<0.2
101704	Soil	14	12	1.87	1100	0.045	<1	2.57	0.011	0.39	<0.1	0.01	3.4	0.2	<0.05	7	<0.5	<0.2
101705	Soil	14	20	0.30	497	0.021	<1	1.02	0.005	0.08	<0.1	0.07	5.6	0.2	<0.05	4	<0.5	<0.2
101706	Soil	19	12	1.52	1037	0.151	<1	2.28	0.012	1.04	<0.1	0.01	7.9	0.4	<0.05	8	0.6	<0.2
101707	Soil	8	10	0.04	270	0.001	<1	0.35	0.002	0.04	<0.1	0.28	7.0	0.4	<0.05	2	<0.5	<0.2
101708	Soil	13	25	0.35	214	0.033	1	1.26	0.005	0.05	0.1	0.10	5.2	0.2	<0.05	4	0.7	<0.2
101709	Soil	25	26	0.44	527	0.043	<1	1.56	0.004	0.07	0.1	0.11	8.9	0.3	0.05	5	0.7	<0.2
101710	Soil	23	33	0.37	290	0.038	<1	1.74	0.005	0.06	<0.1	0.06	6.5	0.2	<0.05	5	0.6	<0.2
101711	Soil	36	41	0.50	524	0.053	<1	2.26	0.007	0.12	0.1	0.13	8.7	0.4	<0.05	6	0.7	<0.2
101712	Soil	17	34	0.50	303	0.041	<1	2.07	0.006	0.08	<0.1	0.02	4.0	0.2	0.05	5	<0.5	<0.2
101713	Soil	20	16	1.15	643	0.022	<1	2.00	0.004	0.08	<0.1	0.04	4.5	0.2	<0.05	6	0.7	<0.2
101714	Soil	14	19	0.20	227	0.025	<1	0.95	0.004	0.08	0.1	0.03	3.2	0.2	<0.05	4	<0.5	<0.2
101715	Soil	14	36	0.44	289	0.043	<1	2.13	0.006	0.08	0.2	0.02	5.0	0.2	<0.05	7	<0.5	<0.2
101716	Soil	15	38	0.55	446	0.038	<1	1.41	0.003	0.06	<0.1	0.02	4.3	0.2	<0.05	5	0.5	<0.2
101717	Soil	14	24	0.28	323	0.018	<1	1.06	0.004	0.05	<0.1	0.06	3.6	0.2	<0.05	3	0.5	<0.2
101718	Soil	17	16	0.14	289	0.010	<1	0.68	0.003	0.05	<0.1	0.04	3.4	0.2	<0.05	2	1.2	<0.2
101719	Soil	12	28	0.36	378	0.020	<1	1.45	0.005	0.06	0.1	0.02	3.0	0.1	<0.05	5	0.5	<0.2
101720	Soil	16	21	0.19	254	0.019	<1	0.99	0.004	0.05	<0.1	0.05	3.3	0.1	<0.05	3	0.9	<0.2
101721	Soil	16	24	0.34	348	0.039	<1	1.27	0.008	0.06	<0.1	0.06	4.2	0.1	<0.05	4	<0.5	<0.2
101722	Soil	16	26	0.38	448	0.028	<1	1.52	0.008	0.06	0.1	0.07	5.1	0.1	<0.05	4	0.6	<0.2
101723	Soil	15	25	0.35	533	0.020	<1	1.44	0.008	0.05	0.1	0.07	4.3	0.2	<0.05	4	0.7	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
101724	Soil				0.8	33.9	11.6	66	0.2	24.6	8.8	287	2.26	16.9	3.0	3.0	4.8	26	0.1	0.7	0.1	41	0.36	0.059
101725	Soil				1.0	34.1	11.3	69	0.2	24.6	8.4	325	2.40	14.5	3.5	7.4	4.4	28	0.2	0.8	0.2	43	0.41	0.068
101726	Soil				1.1	35.5	11.9	82	0.2	26.8	9.1	342	2.52	17.6	1.9	3.2	6.2	26	0.2	0.9	0.2	39	0.35	0.068
101727	Soil				0.9	34.2	11.8	72	0.2	24.4	7.3	233	2.59	17.4	2.1	2.9	3.1	27	0.1	0.8	0.2	41	0.38	0.064
101728	Soil				1.0	35.5	11.1	71	0.2	25.8	8.3	265	2.62	16.1	2.3	4.9	4.0	29	0.3	0.8	0.2	43	0.42	0.067
101729	Soil				0.8	32.0	11.3	74	0.2	25.1	8.2	308	2.70	16.7	2.5	3.8	4.2	30	0.2	0.9	0.2	46	0.41	0.069
102654	Soil				1.1	19.6	9.3	56	0.2	15.9	8.7	217	2.51	12.6	1.1	4.5	3.8	15	<0.1	0.9	0.1	53	0.17	0.031
102655	Soil				1.3	66.7	3.7	118	0.2	53.2	19.3	526	3.58	22.4	1.4	1.1	2.1	15	0.5	4.0	<0.1	74	0.35	0.059
102656	Soil				1.6	27.9	11.2	70	0.4	18.7	7.4	166	2.63	18.4	2.1	4.9	1.9	16	0.5	1.3	0.2	66	0.16	0.054
102657	Soil				1.7	17.8	12.1	85	0.1	19.4	14.2	414	2.83	22.8	1.5	3.2	7.3	14	0.4	1.3	0.2	58	0.16	0.040
102658	Soil				1.1	25.7	12.0	104	<0.1	14.4	10.5	460	3.54	19.6	3.8	1.9	25.1	12	0.3	0.9	0.4	52	0.24	0.089
102659	Soil				1.1	19.5	10.7	76	0.2	15.2	8.4	278	2.63	13.9	2.3	5.7	9.6	17	0.3	0.8	0.2	48	0.25	0.055
102660	Soil				1.0	16.4	10.0	69	<0.1	14.7	8.8	272	2.57	13.6	2.2	3.7	12.7	14	0.1	0.8	0.3	44	0.22	0.046
102661	Soil				1.0	11.7	11.3	74	<0.1	12.3	7.4	278	2.53	11.5	1.8	3.3	14.1	11	0.1	0.6	0.3	41	0.18	0.043
102662	Soil				1.0	13.8	10.6	68	<0.1	12.9	8.1	265	2.46	12.7	2.4	2.3	13.0	13	0.1	0.6	0.2	41	0.19	0.049
102663	Soil				0.8	18.4	10.6	70	0.1	15.8	8.3	240	2.50	12.5	2.7	2.1	10.5	17	0.2	0.7	0.2	46	0.25	0.053
102664	Soil				1.0	14.2	9.8	68	0.1	16.1	7.5	228	2.46	12.6	1.4	3.5	7.7	16	0.2	0.7	0.2	48	0.25	0.060
102665	Soil				0.8	18.3	9.6	65	<0.1	15.3	5.8	193	2.11	9.9	3.1	1.7	11.2	16	0.1	0.9	0.2	38	0.25	0.043
102666	Soil				1.0	20.8	9.3	60	0.1	16.4	7.2	187	2.11	12.5	2.8	3.1	8.3	16	0.1	1.0	0.2	38	0.21	0.044
102667	Soil				1.0	25.3	11.4	69	0.1	22.6	7.8	175	2.39	15.8	2.7	9.9	4.8	22	0.2	0.9	0.2	43	0.24	0.047
102668	Soil				1.0	22.2	10.2	57	<0.1	28.6	6.9	155	2.23	17.1	2.1	2.5	5.5	21	<0.1	1.0	0.2	42	0.24	0.044
102669	Soil				1.0	17.5	9.2	53	0.1	26.3	6.4	158	2.04	15.1	1.4	2.8	4.3	18	0.1	0.9	0.2	39	0.21	0.039
102670	Soil				0.9	38.7	9.7	58	0.1	42.6	10.0	298	2.27	15.4	2.6	1.9	5.7	20	<0.1	1.1	0.2	39	0.24	0.048
102671	Soil				1.2	37.9	11.4	52	<0.1	33.8	11.9	469	2.43	27.4	2.2	2.5	7.5	16	0.1	2.9	0.2	39	0.16	0.038
102672	Soil				1.0	24.6	9.3	57	<0.1	25.4	7.7	249	2.22	24.7	1.9	2.3	8.1	14	<0.1	2.1	0.2	32	0.16	0.031
102673	Soil				3.2	46.9	12.1	144	0.2	57.7	11.5	418	3.70	60.4	4.8	4.0	7.5	22	0.3	5.5	0.2	36	0.11	0.057
102674	Soil				0.9	40.1	11.3	70	0.2	37.8	11.6	245	2.55	16.2	3.2	1.9	5.1	31	0.3	1.5	0.2	41	0.65	0.050
102675	Soil				1.0	33.6	10.3	66	0.1	28.8	11.3	412	2.52	13.7	0.9	1.4	4.0	40	0.3	0.9	0.1	41	0.73	0.063
102676	Soil				1.0	34.3	11.5	91	0.3	30.3	10.1	514	2.57	17.6	1.1	1.5	4.4	32	0.3	1.2	0.2	41	0.58	0.071
102677	Soil				1.4	45.3	14.3	86	0.4	36.6	11.8	429	3.03	31.4	1.6	4.2	7.6	24	0.1	1.3	0.2	44	0.34	0.055



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
101724	Soil	16	23	0.35	399	0.028	<1	1.25	0.009	0.05	0.1	0.05	4.1	0.1	<0.05	4	1.0	<0.2
101725	Soil	17	23	0.35	439	0.022	<1	1.32	0.009	0.06	0.1	0.06	4.2	0.2	<0.05	4	1.0	<0.2
101726	Soil	19	24	0.36	391	0.035	<1	1.39	0.008	0.08	0.2	0.05	3.9	0.1	<0.05	4	0.6	<0.2
101727	Soil	16	24	0.34	391	0.026	<1	1.46	0.008	0.06	0.1	0.05	3.7	<0.1	<0.05	4	<0.5	<0.2
101728	Soil	17	26	0.38	403	0.034	<1	1.51	0.009	0.05	0.2	0.06	4.4	<0.1	<0.05	4	0.8	<0.2
101729	Soil	17	27	0.41	376	0.039	<1	1.49	0.010	0.05	0.1	0.05	4.2	<0.1	<0.05	4	0.8	<0.2
102654	Soil	14	31	0.40	243	0.041	2	1.39	0.008	0.03	0.1	0.04	3.9	<0.1	<0.05	5	0.6	<0.2
102655	Soil	9	56	0.67	340	0.064	2	1.39	0.010	0.14	<0.1	0.03	7.9	0.2	<0.05	4	0.9	<0.2
102656	Soil	17	34	0.39	318	0.032	1	1.59	0.008	0.04	0.1	0.08	3.7	0.1	<0.05	5	0.8	<0.2
102657	Soil	20	33	0.43	218	0.053	1	1.66	0.008	0.06	0.2	0.03	3.3	0.1	<0.05	5	0.6	<0.2
102658	Soil	66	25	0.58	187	0.140	1	1.88	0.008	0.63	0.2	0.01	5.8	0.7	<0.05	9	0.6	<0.2
102659	Soil	31	27	0.45	250	0.078	1	1.59	0.008	0.19	0.2	0.04	4.2	0.3	<0.05	6	<0.5	<0.2
102660	Soil	30	25	0.44	204	0.075	1	1.51	0.008	0.16	0.2	0.02	4.1	0.2	<0.05	5	<0.5	<0.2
102661	Soil	27	21	0.40	159	0.098	1	1.44	0.008	0.23	0.2	0.01	3.8	0.3	<0.05	6	<0.5	<0.2
102662	Soil	36	23	0.40	168	0.080	1	1.36	0.008	0.16	0.2	0.02	3.7	0.2	<0.05	5	<0.5	<0.2
102663	Soil	37	28	0.46	253	0.071	<1	1.44	0.008	0.11	0.2	0.02	4.1	0.2	<0.05	5	0.6	<0.2
102664	Soil	22	30	0.46	220	0.076	1	1.35	0.008	0.12	0.2	0.02	3.2	0.2	<0.05	5	<0.5	<0.2
102665	Soil	32	28	0.41	202	0.074	1	1.12	0.008	0.18	0.2	0.02	3.9	0.2	<0.05	4	<0.5	<0.2
102666	Soil	23	27	0.38	214	0.059	1	1.13	0.008	0.07	0.2	0.07	3.5	0.1	<0.05	4	<0.5	<0.2
102667	Soil	19	32	0.40	296	0.041	<1	1.40	0.009	0.05	0.2	0.06	3.6	<0.1	<0.05	4	<0.5	<0.2
102668	Soil	15	36	0.38	270	0.047	<1	1.25	0.008	0.05	0.2	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
102669	Soil	13	36	0.39	228	0.044	1	1.19	0.008	0.04	0.2	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
102670	Soil	19	46	0.45	304	0.049	<1	1.20	0.008	0.04	0.2	0.05	4.3	<0.1	<0.05	4	0.6	<0.2
102671	Soil	19	37	0.39	285	0.046	1	1.05	0.009	0.04	0.1	0.04	4.1	<0.1	<0.05	3	<0.5	<0.2
102672	Soil	16	33	0.37	218	0.060	<1	1.02	0.005	0.14	0.1	0.03	3.2	0.2	<0.05	3	<0.5	<0.2
102673	Soil	16	30	0.26	335	0.031	<1	0.77	0.005	0.05	0.1	0.14	5.4	0.3	<0.05	3	0.9	<0.2
102674	Soil	22	26	0.52	502	0.054	2	1.22	0.012	0.08	0.1	0.06	4.0	0.1	<0.05	4	0.9	<0.2
102675	Soil	14	25	0.48	409	0.050	1	1.15	0.016	0.05	0.2	0.03	3.2	<0.1	<0.05	3	0.8	<0.2
102676	Soil	17	25	0.44	522	0.040	1	1.18	0.014	0.05	0.2	0.07	3.6	<0.1	<0.05	3	0.9	<0.2
102677	Soil	19	27	0.37	384	0.034	<1	1.03	0.010	0.06	0.2	0.05	4.1	0.1	<0.05	3	1.1	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
102678	Soil	1.3	27.1	14.5	67	0.2	25.1	11.9	314	2.72	22.6	1.3	3.4	6.9	11	<0.1	1.2	0.2	45	0.12
102679	Soil	1.6	42.6	12.9	80	<0.1	36.3	10.5	258	3.13	39.2	1.8	1.4	8.6	11	<0.1	1.5	0.3	43	0.03
102680	Soil	1.4	44.0	13.8	122	0.2	58.7	20.1	451	5.22	28.4	2.2	3.0	15.5	10	<0.1	1.4	0.2	59	0.12
102681	Soil	1.7	43.9	9.8	67	0.1	26.2	7.0	134	2.56	37.2	1.8	3.1	4.8	14	0.4	1.3	0.2	36	0.03
102682	Soil	1.6	83.5	13.8	124	0.1	45.2	10.4	110	3.50	14.9	5.0	5.3	10.9	16	0.3	2.0	0.3	74	0.16
102683	Soil	3.5	66.2	13.4	116	0.2	34.0	10.8	164	3.39	35.5	3.5	2.6	10.1	16	0.3	2.1	0.3	82	0.08
102684	Soil	1.2	17.5	9.5	55	<0.1	15.1	7.1	194	2.10	14.7	0.9	0.7	4.4	18	0.1	2.1	0.1	39	0.20
102685	Soil	1.1	27.4	10.5	65	0.2	19.6	9.0	274	2.32	14.0	1.3	0.8	3.4	25	0.1	1.7	0.2	42	0.28
102686	Soil	1.0	23.5	10.3	63	0.2	17.3	7.7	247	2.26	16.3	1.3	2.0	3.9	23	0.2	1.9	0.1	41	0.23
102687	Soil	0.9	34.6	10.0	65	0.1	27.1	10.5	463	2.40	10.7	0.7	8.5	4.0	32	0.3	0.9	0.1	44	0.61
102688	Soil	1.5	29.6	10.5	81	0.2	25.9	10.7	461	2.69	15.6	1.5	20.9	4.3	46	0.3	1.5	0.2	46	1.05
102689	Soil	1.0	31.4	9.0	68	0.1	24.4	10.0	429	2.27	10.7	0.7	<0.5	4.6	53	0.3	0.9	0.1	42	1.57
102690	Soil	1.1	51.7	9.3	78	0.1	27.0	10.8	560	2.91	10.2	1.3	3.7	4.8	19	0.1	1.2	0.2	57	0.43
102691	Soil	0.5	72.4	6.9	77	<0.1	30.4	11.7	553	2.52	4.2	0.9	3.3	3.8	17	<0.1	0.4	<0.1	75	0.66
102692	Soil	0.5	73.9	7.6	82	<0.1	31.6	12.5	569	2.80	5.2	0.9	4.4	4.1	20	<0.1	0.5	0.1	80	0.64
102693	Soil	0.8	36.0	9.4	149	0.3	44.4	9.8	583	2.57	22.9	1.5	5.3	6.9	21	0.4	1.9	0.2	44	0.32
102694	Soil	1.3	26.5	7.9	88	0.1	27.9	7.4	191	2.37	22.6	1.0	2.5	5.5	11	<0.1	1.8	0.2	32	0.08
102695	Soil	2.6	32.9	20.0	162	<0.1	33.0	8.4	218	2.46	5.2	1.6	1.4	11.6	13	<0.1	0.3	0.1	27	0.18
102696	Soil	0.1	19.3	6.6	170	<0.1	19.2	8.8	806	3.78	2.4	1.2	2.2	8.9	10	<0.1	0.2	0.1	31	0.29
102697	Soil	0.2	12.8	11.6	207	<0.1	9.1	8.1	993	4.00	3.3	1.9	1.1	12.8	12	0.2	0.3	0.2	21	0.27
102698	Soil	0.1	32.9	16.1	250	<0.1	27.6	11.2	769	4.55	3.1	1.5	1.7	6.9	10	<0.1	0.3	<0.1	53	0.25
102699	Soil	0.2	28.9	13.9	139	<0.1	58.7	12.1	437	3.61	3.9	1.9	3.7	10.8	20	<0.1	0.2	0.1	72	0.34
102700	Soil	0.6	84.5	8.0	153	<0.1	29.2	14.5	529	2.97	6.1	0.9	6.8	4.4	26	<0.1	0.8	0.1	59	0.36
102701	Soil	1.0	27.3	19.2	146	<0.1	25.3	9.1	447	2.55	17.2	1.7	3.8	6.3	12	0.2	1.6	0.1	43	0.14
102702	Soil	0.9	47.6	14.6	121	0.1	41.0	11.8	653	2.57	15.4	2.3	2.5	5.5	19	0.2	1.7	0.2	47	0.20
102703	Soil	1.1	39.8	14.4	114	0.1	32.9	9.7	425	2.74	19.1	1.9	3.1	5.9	24	0.2	1.7	0.2	47	0.28
102704	Soil	0.9	36.6	12.5	103	0.2	27.6	8.8	361	2.81	18.1	1.5	5.1	6.2	22	0.1	2.2	0.2	47	0.26
102705	Soil	1.0	32.7	15.1	109	0.1	28.4	11.6	542	2.78	15.5	2.1	4.1	8.7	17	0.2	1.6	0.2	44	0.20
102706	Soil	1.1	33.8	13.7	83	0.1	24.2	9.5	314	2.56	15.0	1.6	3.0	6.1	24	0.2	1.2	0.2	47	0.28
102707	Soil	0.7	23.9	9.6	59	0.1	16.3	6.6	237	1.99	12.8	1.4	3.3	4.2	20	<0.1	1.0	0.1	37	0.23



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
102678	Soil	18	25	0.34	201	0.051	<1	1.27	0.005	0.07	0.1	0.06	2.9	0.2	<0.05	4	0.5	<0.2
102679	Soil	15	22	0.13	125	0.009	<1	0.76	0.003	0.06	<0.1	0.03	3.5	0.2	<0.05	2	0.9	<0.2
102680	Soil	62	39	0.72	265	0.081	1	2.10	0.004	0.39	<0.1	0.03	5.5	0.3	<0.05	8	0.7	<0.2
102681	Soil	8	23	0.20	164	0.014	1	0.85	0.004	0.04	<0.1	0.04	2.7	0.1	<0.05	2	3.4	<0.2
102682	Soil	25	31	0.39	150	0.040	<1	0.78	0.004	0.39	<0.1	0.01	6.0	0.7	<0.05	4	22.6	<0.2
102683	Soil	34	36	0.52	469	0.087	1	1.26	0.004	0.38	<0.1	<0.01	4.9	0.6	<0.05	4	1.2	<0.2
102684	Soil	13	23	0.37	229	0.045	<1	1.16	0.007	0.04	0.2	0.04	2.4	<0.1	<0.05	3	0.5	<0.2
102685	Soil	16	25	0.39	351	0.036	<1	1.23	0.010	0.04	0.2	0.07	3.2	<0.1	<0.05	4	<0.5	<0.2
102686	Soil	16	25	0.36	318	0.040	<1	1.24	0.008	0.04	0.2	0.06	3.2	<0.1	<0.05	4	0.6	<0.2
102687	Soil	14	26	0.54	400	0.047	2	1.16	0.018	0.05	0.2	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
102688	Soil	13	27	0.64	342	0.051	3	0.98	0.019	0.05	0.5	0.03	3.1	<0.1	<0.05	3	1.0	<0.2
102689	Soil	13	24	0.71	336	0.057	1	0.98	0.020	0.08	0.2	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
102690	Soil	20	18	0.88	898	0.109	<1	1.67	0.011	0.27	0.2	0.03	6.7	0.1	<0.05	5	<0.5	<0.2
102691	Soil	13	18	1.90	1347	0.135	<1	2.26	0.018	0.43	<0.1	0.02	9.6	0.1	<0.05	8	0.5	<0.2
102692	Soil	15	21	1.94	1483	0.143	<1	2.40	0.020	0.45	<0.1	0.01	10.1	0.1	<0.05	8	<0.5	<0.2
102693	Soil	22	25	0.48	380	0.069	<1	1.27	0.009	0.09	0.1	0.05	5.1	0.3	<0.05	4	0.7	<0.2
102694	Soil	12	18	0.21	139	0.028	<1	0.71	0.004	0.04	<0.1	0.02	2.5	<0.1	<0.05	2	1.2	<0.2
102695	Soil	40	12	1.47	339	0.100	<1	2.12	0.010	0.59	<0.1	<0.01	3.6	0.7	<0.05	6	0.9	<0.2
102696	Soil	24	21	1.24	285	0.215	<1	2.51	0.007	1.33	<0.1	<0.01	7.3	0.7	<0.05	9	<0.5	<0.2
102697	Soil	44	12	1.40	252	0.185	<1	2.58	0.006	1.50	0.1	0.02	8.0	0.6	<0.05	9	<0.5	<0.2
102698	Soil	21	65	1.96	389	0.230	<1	3.21	0.008	1.97	0.1	0.03	14.1	0.6	<0.05	11	<0.5	<0.2
102699	Soil	29	61	1.15	960	0.173	<1	2.99	0.007	1.08	<0.1	0.02	7.7	0.6	<0.05	7	<0.5	<0.2
102700	Soil	16	22	1.38	840	0.102	<1	2.26	0.010	0.33	<0.1	0.02	7.7	0.5	<0.05	8	<0.5	<0.2
102701	Soil	18	22	0.36	262	0.054	<1	1.11	0.004	0.08	0.1	0.01	3.7	0.3	<0.05	4	0.5	<0.2
102702	Soil	18	28	0.38	421	0.058	<1	1.10	0.007	0.08	0.1	0.05	5.1	0.4	<0.05	4	0.5	<0.2
102703	Soil	17	29	0.40	388	0.060	<1	1.31	0.009	0.07	0.2	0.05	5.0	0.2	<0.05	4	0.6	<0.2
102704	Soil	17	24	0.46	412	0.077	<1	1.37	0.009	0.14	0.2	0.06	5.1	0.2	<0.05	4	0.5	<0.2
102705	Soil	23	24	0.35	308	0.072	<1	1.12	0.006	0.17	0.1	0.04	4.4	0.2	<0.05	3	0.6	<0.2
102706	Soil	20	27	0.41	386	0.064	<1	1.39	0.009	0.06	0.1	0.05	4.8	0.1	<0.05	4	0.6	<0.2
102707	Soil	15	21	0.33	291	0.048	<1	0.99	0.007	0.04	0.2	0.04	3.3	<0.1	<0.05	3	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
102708	Soil	1.1	38.0	11.3	79	0.1	25.8	9.4	384	2.66	18.0	1.4	2.2	5.5	25	0.1	1.6	0.2	48	0.29	0.045
102709	Soil	1.4	47.8	13.4	81	0.1	31.6	11.0	500	2.94	20.9	2.1	3.7	6.3	28	0.1	1.5	0.2	56	0.30	0.037
102710	Soil	1.3	27.6	8.9	54	<0.1	18.9	4.6	146	1.85	23.1	1.7	1.9	5.5	16	<0.1	1.7	0.1	29	0.10	0.023
102711	Soil	1.8	37.9	15.7	80	0.2	32.2	10.1	412	2.44	5.6	2.1	1.8	9.8	24	<0.1	0.6	0.2	40	0.25	0.045
102712	Soil	0.9	35.9	15.1	115	0.2	44.9	13.4	451	3.36	4.2	2.3	<0.5	12.3	19	0.1	0.3	0.2	50	0.27	0.037
102713	Soil	0.8	26.5	9.7	86	0.1	28.4	5.2	219	2.31	1.8	2.1	<0.5	10.4	16	<0.1	0.2	0.2	30	0.24	0.037
102714	Soil	1.2	32.3	13.2	88	0.3	34.7	10.1	689	2.13	101.4	1.8	3.4	6.9	33	0.2	13.0	0.2	24	0.12	0.073
102715	Soil	0.8	29.4	11.1	101	<0.1	31.7	9.7	258	3.09	4.5	1.6	0.8	14.0	10	<0.1	1.4	0.2	38	0.24	0.077
102716	Soil	2.5	47.2	12.9	141	0.1	57.5	14.4	464	3.81	4.2	3.1	2.1	8.0	20	0.1	0.4	0.3	23	0.05	0.038
102717	Soil	0.9	41.2	16.3	156	0.2	57.7	15.3	453	3.22	2.2	1.3	<0.5	12.9	9	<0.1	0.3	0.4	26	0.15	0.048
102718	Soil	2.2	149.5	10.5	142	<0.1	57.7	19.5	2574	3.23	14.2	2.4	4.6	2.9	15	0.2	1.3	0.2	39	0.07	0.021
102719	Soil	1.1	35.2	20.3	89	<0.1	16.8	10.2	444	3.04	12.2	1.7	2.7	18.4	13	0.2	0.5	0.3	43	0.18	0.034
102720	Soil	0.4	141.0	2.1	53	<0.1	17.9	19.8	428	3.78	3.6	0.4	<0.5	1.4	20	<0.1	0.2	<0.1	132	0.51	0.068
102721	Soil	0.4	175.5	1.4	65	<0.1	14.6	19.3	493	4.00	1.4	0.4	3.1	0.5	49	<0.1	0.3	<0.1	123	0.73	0.101
102722	Soil	0.3	70.1	0.9	87	<0.1	12.7	22.9	941	5.13	2.0	0.5	0.8	0.7	29	<0.1	0.2	<0.1	124	0.69	0.126
102723	Soil	0.3	92.8	2.2	109	<0.1	24.1	20.8	815	4.03	1.7	0.4	<0.5	2.0	31	<0.1	0.1	<0.1	94	0.58	0.095
102724	Soil	0.6	117.8	4.5	88	<0.1	25.4	20.5	822	4.66	3.9	1.1	3.1	2.7	27	0.1	0.3	<0.1	130	0.50	0.087
102725	Soil	0.6	14.0	8.0	40	<0.1	8.6	3.6	310	1.99	3.9	1.7	<0.5	16.7	10	<0.1	0.3	0.1	26	0.13	0.021
102726	Soil	1.1	50.7	9.5	96	<0.1	172.1	31.5	1081	5.35	24.4	3.2	<0.5	9.6	10	0.2	0.8	0.4	129	0.13	0.052
102727	Soil	1.0	37.8	10.0	70	<0.1	62.2	13.6	376	2.91	12.9	0.8	2.0	5.6	23	<0.1	1.0	0.2	56	0.35	0.054
102728	Soil	1.4	37.2	13.8	59	<0.1	32.4	13.3	421	2.77	15.0	1.0	4.6	8.2	22	<0.1	1.1	0.3	50	0.24	0.029
102729	Soil	0.8	21.5	9.8	46	0.2	18.7	8.2	322	1.94	9.6	0.8	3.0	3.0	27	0.2	0.7	0.2	37	0.39	0.048
102730	Soil	1.7	33.9	10.4	89	0.2	30.1	10.6	505	2.66	12.2	0.8	1.9	4.4	46	0.6	1.1	0.1	45	1.44	0.080
102731	Soil	1.1	34.3	9.9	86	0.2	28.3	10.0	383	2.48	11.6	0.9	3.3	4.4	55	0.5	1.1	0.2	44	1.68	0.084
102732	Soil	0.9	30.7	12.2	58	<0.1	25.1	11.2	307	2.72	13.1	0.7	3.0	9.1	20	<0.1	0.8	0.2	56	0.26	0.026
102733	Soil	0.7	36.3	11.0	54	<0.1	26.1	9.6	309	2.62	10.7	0.8	3.7	6.9	20	<0.1	0.8	0.2	51	0.24	0.025
102734	Soil	0.9	16.2	7.7	44	<0.1	14.3	6.2	215	1.99	8.0	0.6	4.9	3.8	14	<0.1	0.4	0.1	41	0.21	0.034
102735	Soil	1.0	11.5	7.6	39	<0.1	12.7	8.6	325	1.88	7.6	0.4	4.2	3.5	15	<0.1	0.4	0.1	38	0.20	0.030
102736	Soil	0.8	22.2	7.0	56	<0.1	21.8	7.3	244	2.04	10.0	0.8	2.9	4.7	23	0.2	0.6	0.1	36	0.31	0.061
102737	Soil	0.8	27.0	7.3	63	0.1	29.8	10.5	444	2.70	11.7	0.8	5.9	7.5	23	0.2	0.8	0.1	46	0.34	0.043



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
102708	Soil	16	26	0.39	364	0.068	<1	1.41	0.009	0.07	0.1	0.05	5.0	0.1	<0.05	4	0.8
102709	Soil	18	28	0.37	442	0.080	<1	1.74	0.010	0.07	0.1	0.06	5.7	0.1	<0.05	5	<0.5
102710	Soil	13	15	0.17	220	0.022	<1	0.65	0.003	0.04	<0.1	0.04	3.3	<0.1	<0.05	2	0.6
102711	Soil	41	26	0.59	369	0.029	<1	1.41	0.004	0.24	<0.1	0.03	5.6	0.2	<0.05	5	0.6
102712	Soil	46	39	0.86	375	0.066	<1	1.92	0.006	0.55	<0.1	0.01	5.2	0.4	<0.05	6	1.0
102713	Soil	82	28	0.51	161	0.025	<1	1.20	0.004	0.29	<0.1	<0.01	3.2	0.3	<0.05	4	1.4
102714	Soil	10	11	0.04	183	0.003	<1	0.27	0.001	0.06	<0.1	0.13	2.6	0.2	<0.05	1	0.5
102715	Soil	40	23	0.49	221	0.078	<1	1.31	0.003	0.44	<0.1	<0.01	3.2	0.3	<0.05	4	<0.5
102716	Soil	13	15	0.04	139	0.002	<1	0.27	0.001	0.05	<0.1	0.03	4.6	0.2	<0.05	2	1.1
102717	Soil	31	15	0.09	126	0.003	<1	0.29	0.002	0.07	<0.1	0.02	3.3	0.1	<0.05	1	0.9
102718	Soil	6	18	0.14	599	0.008	<1	0.77	0.002	0.05	<0.1	0.11	7.4	0.2	<0.05	4	<0.5
102719	Soil	64	21	0.51	265	0.054	<1	1.29	0.006	0.26	<0.1	0.03	4.9	0.1	<0.05	4	<0.5
102720	Soil	7	21	1.51	278	0.159	<1	2.34	0.028	0.18	<0.1	<0.01	5.5	<0.1	<0.05	9	<0.5
102721	Soil	2	14	1.11	164	0.059	<1	1.97	0.033	0.03	<0.1	<0.01	8.0	<0.1	<0.05	7	<0.5
102722	Soil	4	38	1.38	161	0.025	<1	2.18	0.018	0.06	<0.1	0.01	11.9	<0.1	<0.05	9	<0.5
102723	Soil	10	32	0.99	254	0.024	<1	1.83	0.012	0.15	<0.1	<0.01	8.6	<0.1	<0.05	7	<0.5
102724	Soil	13	35	0.78	190	0.013	<1	1.69	0.010	0.10	<0.1	0.02	12.5	<0.1	<0.05	7	<0.5
102725	Soil	50	8	0.15	144	0.013	<1	0.54	0.004	0.11	<0.1	<0.01	3.0	<0.1	<0.05	3	<0.5
102726	Soil	27	105	0.24	282	0.016	<1	0.89	0.003	0.14	<0.1	0.03	14.4	<0.1	<0.05	4	<0.5
102727	Soil	17	57	0.63	334	0.053	<1	1.51	0.008	0.08	<0.1	0.04	5.1	<0.1	<0.05	5	<0.5
102728	Soil	16	37	0.42	381	0.050	<1	2.18	0.006	0.07	0.1	0.05	6.5	<0.1	<0.05	5	<0.5
102729	Soil	13	24	0.41	352	0.036	<1	1.12	0.010	0.05	0.2	0.05	2.8	<0.1	<0.05	3	0.5
102730	Soil	13	25	0.68	384	0.051	2	1.14	0.017	0.11	0.3	0.03	3.2	0.1	<0.05	4	<0.5
102731	Soil	13	24	0.74	413	0.048	2	1.04	0.015	0.08	0.4	0.04	3.2	<0.1	<0.05	4	0.7
102732	Soil	14	33	0.44	426	0.045	<1	2.23	0.007	0.05	0.3	0.03	4.2	<0.1	<0.05	6	<0.5
102733	Soil	18	32	0.44	384	0.055	<1	1.86	0.007	0.06	0.2	0.07	5.0	<0.1	<0.05	5	<0.5
102734	Soil	12	22	0.35	169	0.040	<1	1.20	0.006	0.04	0.3	0.01	2.1	<0.1	<0.05	4	<0.5
102735	Soil	11	21	0.32	160	0.041	<1	1.12	0.006	0.04	0.2	0.02	1.7	<0.1	<0.05	3	<0.5
102736	Soil	13	22	0.36	236	0.038	<1	1.01	0.009	0.05	0.2	0.02	2.9	<0.1	<0.05	3	<0.5
102737	Soil	13	25	0.63	274	0.067	<1	1.30	0.010	0.10	0.2	0.03	3.0	0.1	<0.05	4	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
102738	Soil	0.9	33.9	8.0	59	0.1	25.8	8.5	402	2.16	15.1	0.6	3.7	4.3	31	0.3	0.8	0.1	41	0.67	0.070
102739	Soil	0.7	28.8	10.1	57	0.2	23.3	10.1	392	2.37	10.7	1.2	3.9	4.1	42	0.2	0.7	0.1	42	0.65	0.066
102740	Soil	0.6	24.3	8.9	56	0.1	19.7	8.8	352	2.19	10.6	1.5	3.8	4.1	34	0.1	0.7	0.1	40	0.48	0.069
102741	Soil	1.0	33.1	9.4	61	0.1	28.2	10.2	466	2.43	10.7	1.6	4.0	3.5	46	0.3	0.8	0.1	47	0.74	0.068
102742	Soil	1.2	31.9	9.7	70	0.1	27.0	10.2	444	2.48	11.4	0.8	2.4	4.7	54	0.4	0.7	0.1	47	1.56	0.076
102743	Soil	1.3	31.2	8.9	71	0.1	26.9	10.1	481	2.46	9.7	0.7	3.6	4.4	59	0.4	0.8	0.1	48	1.73	0.079
102744	Soil	1.1	31.4	9.0	66	0.1	27.6	10.3	405	2.50	10.9	0.6	3.3	4.2	42	0.3	0.8	0.1	48	1.15	0.070
106342	Soil	3.1	44.4	10.5	79	<0.1	23.0	11.1	254	2.30	52.3	2.9	0.8	7.5	31	0.3	8.9	0.2	46	0.11	0.040
106343	Soil	1.6	23.8	9.6	63	<0.1	17.5	10.6	266	2.62	25.3	1.6	1.3	8.6	15	<0.1	2.4	0.2	40	0.12	0.024
106344	Soil	1.6	22.6	8.0	68	0.1	55.1	9.4	341	2.43	19.9	1.6	1.4	4.5	16	0.2	1.3	0.1	41	0.16	0.039
106345	Soil	1.8	42.2	10.2	83	0.2	42.0	9.1	325	2.46	21.3	1.9	1.4	6.3	17	0.4	1.8	0.2	43	0.19	0.049
106346	Soil	1.8	24.6	9.2	104	<0.1	20.8	13.8	680	3.56	26.4	2.1	1.8	10.5	13	0.2	1.4	0.2	47	0.27	0.081
106347	Soil	1.5	24.3	9.1	63	0.2	28.1	7.7	235	2.33	19.1	1.9	3.7	6.1	17	0.2	1.3	0.2	42	0.20	0.042
106348	Soil	1.2	22.8	9.2	62	0.1	20.4	7.2	255	2.22	21.9	2.6	1.5	5.8	16	0.3	1.4	0.2	40	0.19	0.041
106349	Soil	1.4	22.4	9.6	74	<0.1	50.7	11.8	372	2.72	23.2	2.3	3.7	7.8	17	0.2	1.2	0.2	47	0.20	0.032
106350	Soil	1.4	19.0	9.1	79	<0.1	74.7	10.5	301	2.56	19.9	1.7	3.0	7.1	16	0.3	1.0	0.2	44	0.19	0.037
106351	Soil	1.0	19.4	8.7	70	<0.1	46.0	10.0	341	2.32	22.3	1.6	4.4	5.8	17	0.1	1.0	0.1	42	0.21	0.041
106352	Soil	0.9	22.6	7.5	65	<0.1	56.0	8.3	245	2.15	14.7	1.9	1.8	6.0	18	0.1	1.1	0.1	38	0.21	0.037
106353	Soil	1.3	44.5	8.5	79	<0.1	40.9	11.8	453	3.05	15.0	2.4	2.3	7.8	13	<0.1	1.4	0.2	41	0.13	0.034
106354	Soil	0.6	25.7	9.2	65	0.1	67.7	9.3	286	2.27	13.5	2.2	4.6	4.5	21	<0.1	1.0	0.2	36	0.33	0.056
106355	Soil	0.8	22.6	9.5	62	0.2	83.7	11.9	467	2.40	14.0	2.5	4.2	3.4	27	0.1	1.2	0.1	38	0.40	0.068
106356	Soil	0.8	13.1	8.5	57	0.1	57.7	13.2	527	2.32	18.2	1.3	10.6	4.9	18	0.1	1.1	0.1	37	0.26	0.053
106357	Soil	1.1	33.7	11.2	72	0.3	91.7	19.7	1010	2.73	19.2	4.4	2.0	4.8	31	0.5	1.3	0.2	44	0.42	0.072
106358	Soil	1.8	30.7	12.4	103	0.4	43.7	18.3	930	3.06	29.5	4.7	4.3	7.4	24	0.3	2.5	0.2	42	0.28	0.056
106359	Soil	1.0	15.9	10.4	45	0.1	12.5	5.3	167	1.90	19.7	2.2	1.2	6.4	13	0.1	1.6	0.3	35	0.16	0.031
106360	Soil	1.0	18.5	9.9	45	<0.1	15.7	6.7	179	2.16	14.1	1.4	5.3	7.1	11	0.1	1.2	0.2	43	0.11	0.014
106361	Soil	2.1	32.3	14.4	96	<0.1	29.9	9.1	410	3.53	39.7	2.7	1.0	6.9	12	0.2	3.4	0.2	42	0.11	0.034
106362	Soil	1.2	27.3	9.8	62	<0.1	21.8	7.0	296	2.54	18.3	2.2	2.6	6.5	15	<0.1	1.6	0.2	40	0.20	0.028
106363	Soil	1.3	32.5	13.8	75	0.2	21.2	8.3	371	2.54	21.1	4.1	3.0	6.8	17	0.1	1.9	0.2	38	0.22	0.036
106364	Soil	1.8	35.0	15.9	83	0.3	29.9	16.8	1050	2.96	23.4	5.9	3.2	4.6	23	0.3	2.5	0.3	42	0.31	0.052



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
102738	Soil	14	21	0.47	358	0.042	<1	0.95	0.014	0.07	0.3	0.05	2.7	<0.1	<0.05	3	<0.5	<0.2
102739	Soil	16	23	0.40	390	0.040	<1	1.31	0.012	0.05	0.2	0.04	3.2	<0.1	<0.05	4	0.9	<0.2
102740	Soil	15	21	0.39	330	0.044	1	1.04	0.015	0.05	0.3	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
102741	Soil	14	26	0.48	361	0.050	1	1.24	0.015	0.06	0.2	0.04	3.3	<0.1	<0.05	4	0.6	<0.2
102742	Soil	14	26	0.63	278	0.066	2	1.15	0.022	0.12	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
102743	Soil	13	27	0.67	272	0.068	2	1.21	0.027	0.14	0.2	0.02	3.5	0.1	<0.05	4	0.6	<0.2
102744	Soil	14	27	0.60	287	0.064	2	1.20	0.020	0.08	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
106342	Soil	22	23	0.14	202	0.025	<1	0.81	0.004	0.07	<0.1	0.12	4.8	0.4	<0.05	3	0.8	<0.2
106343	Soil	24	23	0.27	198	0.037	<1	1.13	0.006	0.04	0.1	0.06	3.7	0.1	<0.05	4	<0.5	<0.2
106344	Soil	17	44	0.30	243	0.037	<1	1.16	0.006	0.04	0.1	0.08	3.8	0.2	<0.05	4	<0.5	<0.2
106345	Soil	22	52	0.39	278	0.044	<1	1.16	0.007	0.13	0.1	0.07	4.3	0.3	<0.05	4	0.5	<0.2
106346	Soil	17	26	0.61	232	0.112	<1	1.82	0.005	0.62	0.2	0.02	6.0	0.8	<0.05	9	<0.5	<0.2
106347	Soil	18	42	0.35	243	0.044	<1	1.19	0.007	0.05	0.1	0.05	3.5	0.1	<0.05	4	<0.5	<0.2
106348	Soil	21	30	0.30	207	0.049	<1	1.10	0.006	0.07	0.2	0.04	3.4	0.2	<0.05	4	0.5	<0.2
106349	Soil	17	60	0.41	270	0.047	<1	1.51	0.007	0.05	0.2	0.06	4.2	0.1	<0.05	5	<0.5	<0.2
106350	Soil	16	81	0.45	254	0.046	<1	1.36	0.007	0.05	0.2	0.05	3.3	0.1	<0.05	4	<0.5	<0.2
106351	Soil	16	55	0.41	233	0.052	<1	1.27	0.008	0.05	0.1	0.05	3.3	0.1	<0.05	4	0.6	<0.2
106352	Soil	17	64	0.45	249	0.051	<1	1.14	0.008	0.05	0.1	0.06	3.4	0.1	<0.05	3	<0.5	<0.2
106353	Soil	22	42	0.64	209	0.106	<1	1.47	0.007	0.54	<0.1	0.06	5.5	0.3	<0.05	5	<0.5	<0.2
106354	Soil	21	83	0.61	332	0.044	<1	1.31	0.009	0.06	0.2	0.09	4.0	0.1	<0.05	4	<0.5	<0.2
106355	Soil	25	102	0.64	389	0.038	<1	1.33	0.010	0.05	0.2	0.10	4.1	0.2	<0.05	4	0.7	<0.2
106356	Soil	18	93	0.54	216	0.040	<1	1.02	0.007	0.05	0.3	0.07	2.9	<0.1	<0.05	3	<0.5	<0.2
106357	Soil	47	105	0.69	540	0.039	<1	1.48	0.008	0.06	0.2	0.14	5.3	0.2	<0.05	5	<0.5	<0.2
106358	Soil	39	40	0.35	470	0.036	1	1.65	0.007	0.07	0.1	0.28	5.9	0.3	<0.05	5	0.8	<0.2
106359	Soil	18	20	0.22	200	0.033	1	0.95	0.004	0.05	0.2	0.08	2.8	0.1	<0.05	3	0.6	<0.2
106360	Soil	14	24	0.31	196	0.041	<1	1.27	0.005	0.04	0.1	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
106361	Soil	14	23	0.27	217	0.024	<1	1.12	0.005	0.07	<0.1	0.03	4.4	0.2	<0.05	4	<0.5	<0.2
106362	Soil	16	24	0.37	297	0.043	2	1.20	0.007	0.05	0.1	0.04	4.3	0.1	<0.05	4	0.7	<0.2
106363	Soil	19	23	0.32	308	0.037	<1	1.12	0.006	0.08	0.1	0.09	4.8	0.2	<0.05	4	1.1	<0.2
106364	Soil	18	23	0.28	487	0.025	1	1.38	0.006	0.05	0.1	0.12	5.0	0.3	<0.05	4	0.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
106365	Soil	0.8	25.6	10.3	75	0.2	24.3	13.6	616	2.32	13.9	5.3	4.3	4.6	26	0.4	1.2	0.2	43	0.48	0.066
106366	Soil	1.6	35.4	10.9	89	0.2	31.4	12.5	543	2.86	12.7	0.7	1.7	3.7	42	0.5	1.0	0.2	51	1.09	0.087
106367	Soil	1.1	31.8	10.0	73	0.2	26.9	10.1	426	2.52	12.0	0.7	1.7	3.3	42	0.4	0.8	0.2	43	1.13	0.074
106368	Soil	1.0	43.0	9.7	71	0.4	44.1	12.9	1203	2.34	16.1	4.4	1.6	2.7	39	0.5	1.1	0.2	35	1.46	0.070
106369	Soil	1.1	34.4	11.3	71	0.3	30.2	10.8	571	2.59	14.3	1.3	5.9	4.0	33	0.3	1.0	0.2	42	0.74	0.059
106370	Soil	1.1	30.9	9.1	77	0.1	25.9	9.6	460	2.45	11.6	0.5	2.4	4.0	29	0.4	0.9	0.1	43	0.97	0.082
106371	Soil	1.5	34.6	18.0	102	0.3	33.6	8.2	387	2.63	71.8	1.7	5.8	8.7	16	0.2	2.2	0.2	37	0.11	0.050
106372	Soil	0.9	28.7	15.7	72	<0.1	26.7	9.1	281	3.18	31.8	1.7	2.4	14.0	8	<0.1	1.9	0.2	33	0.06	0.031
106373	Soil	0.5	25.0	16.0	73	<0.1	25.5	12.5	286	3.83	15.6	1.3	3.6	14.5	6	<0.1	1.5	0.3	31	0.06	0.029
106374	Soil	1.2	39.4	24.0	143	<0.1	45.7	11.3	281	2.86	36.1	2.4	3.6	17.5	9	0.1	1.8	0.2	33	0.05	0.044
106375	Soil	2.0	49.1	12.0	99	0.1	41.1	8.0	189	3.04	38.8	2.2	4.9	5.9	16	0.5	1.8	0.2	57	0.07	0.032
106376	Soil	4.9	65.4	15.4	53	0.6	16.2	5.4	90	1.98	22.6	2.6	3.7	6.4	42	0.3	1.5	0.3	60	0.03	0.057
106377	Soil	1.1	25.3	10.4	62	0.2	18.0	7.6	240	2.31	14.6	1.3	2.7	3.8	21	0.2	1.7	0.2	44	0.25	0.055
106378	Soil	1.6	28.0	10.9	63	0.2	19.9	8.8	276	2.49	21.1	1.2	5.7	3.7	23	0.2	2.9	0.1	47	0.26	0.055
106379	Soil	1.1	27.2	9.5	60	0.2	18.5	8.5	274	2.38	15.9	1.2	2.9	3.7	21	<0.1	2.0	0.1	43	0.24	0.057
106380	Soil	1.1	16.9	12.4	63	0.1	15.4	9.6	469	2.68	20.1	0.8	1.5	3.6	17	<0.1	1.4	0.2	49	0.18	0.042
106381	Soil	1.2	31.5	10.0	80	0.2	26.3	10.2	404	2.55	12.1	0.8	0.8	3.6	56	0.6	1.0	0.2	45	1.77	0.081
106382	Soil	0.8	34.2	9.2	71	0.1	25.1	9.7	383	2.44	11.0	0.6	3.6	4.2	46	0.4	0.9	0.1	46	1.54	0.081
112708	Soil	1.5	25.4	16.0	68	<0.1	22.4	9.9	309	2.90	30.6	1.3	1.8	6.6	12	0.2	1.7	0.2	56	0.09	0.025
112709	Soil	1.3	38.1	13.6	52	0.1	23.8	8.0	238	2.92	22.8	4.2	4.0	6.8	12	<0.1	1.9	0.2	57	0.09	0.016
112710	Soil	1.1	25.2	15.1	39	<0.1	14.9	8.4	225	2.18	26.7	2.3	<0.5	15.0	5	<0.1	2.1	0.4	27	0.02	0.019
112711	Soil	1.4	30.0	14.5	71	0.1	30.0	11.4	370	3.26	33.2	1.1	<0.5	7.2	9	0.2	3.5	0.2	51	0.06	0.027
112712	Soil	1.2	39.2	11.3	65	0.2	30.1	10.8	186	2.90	26.1	1.7	4.8	5.9	11	0.2	1.8	0.2	55	0.08	0.016
112713	Soil	5.0	57.4	37.0	64	0.3	18.3	4.1	92	3.06	94.0	2.8	3.2	7.2	22	0.2	10.6	0.2	69	0.03	0.057
112714	Soil	4.0	46.5	27.5	40	0.3	11.8	3.2	63	2.66	74.3	2.3	7.1	9.6	18	0.2	5.6	0.3	55	0.02	0.039
112715	Soil	2.3	42.4	16.9	56	<0.1	16.3	4.8	76	2.17	65.9	1.8	3.7	6.3	15	0.1	8.3	0.2	44	0.02	0.035
112716	Soil	1.6	32.0	16.0	67	<0.1	22.4	9.9	188	3.00	34.7	1.1	2.7	5.6	13	0.1	3.1	0.2	61	0.08	0.026
112717	Soil	1.5	27.3	14.0	56	<0.1	20.3	8.5	183	2.86	28.7	1.2	4.4	5.2	13	<0.1	2.9	0.2	59	0.09	0.021
112718	Soil	1.3	36.7	12.0	56	<0.1	18.9	8.2	209	2.37	33.6	1.4	2.8	6.3	15	0.1	3.9	0.2	43	0.08	0.025
112719	Soil	1.1	32.8	10.5	66	<0.1	28.4	8.1	243	2.66	20.8	1.3	2.0	5.1	19	0.1	1.8	0.2	42	0.17	0.021



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
106365	Soil	23	27	0.51	439	0.043	1	1.21	0.010	0.07	0.2	0.06	3.8	0.1	<0.05	4	0.9	<0.2
106366	Soil	14	29	0.77	367	0.053	2	1.26	0.023	0.07	0.3	0.03	3.5	<0.1	<0.05	4	0.6	<0.2
106367	Soil	13	23	0.59	457	0.038	1	1.12	0.020	0.06	0.3	0.04	3.0	<0.1	<0.05	3	0.9	<0.2
106368	Soil	16	21	0.34	751	0.022	3	1.00	0.010	0.05	0.2	0.05	2.9	<0.1	0.09	3	2.0	<0.2
106369	Soil	15	24	0.51	474	0.039	2	1.27	0.014	0.06	0.2	0.06	3.4	<0.1	<0.05	4	1.5	<0.2
106370	Soil	14	22	0.68	400	0.048	2	0.98	0.015	0.07	0.3	0.03	2.8	<0.1	<0.05	3	0.7	<0.2
106371	Soil	27	15	0.07	274	0.006	<1	0.38	0.002	0.05	<0.1	0.05	3.5	0.3	<0.05	1	1.0	<0.2
106372	Soil	39	22	0.27	171	0.044	<1	1.10	0.003	0.22	<0.1	0.04	3.4	0.4	<0.05	3	0.6	<0.2
106373	Soil	37	26	0.47	128	0.114	<1	1.39	0.003	0.65	<0.1	<0.01	3.1	0.7	<0.05	5	0.8	<0.2
106374	Soil	80	27	0.43	185	0.099	<1	1.33	0.003	0.51	<0.1	0.08	3.3	0.9	<0.05	4	1.0	<0.2
106375	Soil	18	33	0.28	267	0.028	<1	1.16	0.004	0.05	<0.1	0.04	4.5	0.2	<0.05	4	1.9	<0.2
106376	Soil	14	39	0.25	363	0.023	<1	0.72	0.004	0.27	<0.1	<0.01	3.2	0.7	0.20	3	8.7	0.3
106377	Soil	16	24	0.37	323	0.042	<1	1.34	0.008	0.04	0.2	0.06	3.5	0.1	<0.05	4	0.6	<0.2
106378	Soil	15	26	0.35	313	0.046	<1	1.17	0.009	0.04	0.2	0.10	3.6	0.1	<0.05	4	1.1	<0.2
106379	Soil	16	25	0.36	335	0.042	<1	1.32	0.008	0.04	0.2	0.08	3.7	<0.1	<0.05	4	0.7	<0.2
106380	Soil	13	25	0.31	310	0.030	<1	1.47	0.006	0.04	0.2	0.03	2.8	0.1	<0.05	4	0.5	<0.2
106381	Soil	14	24	0.86	468	0.052	2	1.15	0.019	0.08	0.3	0.03	3.1	<0.1	<0.05	3	1.9	<0.2
106382	Soil	14	26	0.75	403	0.054	1	1.11	0.019	0.07	0.4	0.04	3.2	<0.1	0.05	3	<0.5	<0.2
112708	Soil	15	30	0.41	165	0.042	2	1.71	0.006	0.06	0.2	0.08	3.0	0.1	<0.05	5	0.7	<0.2
112709	Soil	23	35	0.45	232	0.048	<1	2.01	0.006	0.05	0.2	0.13	7.2	0.1	<0.05	5	<0.5	<0.2
112710	Soil	33	14	0.09	115	0.007	<1	1.04	0.002	0.05	<0.1	0.03	3.6	0.2	<0.05	3	<0.5	<0.2
112711	Soil	18	30	0.40	188	0.029	2	2.03	0.004	0.07	0.1	0.03	3.6	0.2	<0.05	5	0.7	<0.2
112712	Soil	22	34	0.51	202	0.052	1	1.93	0.007	0.05	0.1	0.05	5.2	0.1	<0.05	5	0.8	<0.2
112713	Soil	26	28	0.17	176	0.016	1	1.13	0.003	0.05	0.1	0.24	5.8	0.1	<0.05	3	5.1	<0.2
112714	Soil	20	24	0.14	156	0.015	<1	0.94	0.003	0.04	0.1	0.14	3.4	0.1	<0.05	3	2.4	<0.2
112715	Soil	14	21	0.16	156	0.014	<1	0.97	0.002	0.05	<0.1	0.18	3.5	0.1	<0.05	2	2.4	<0.2
112716	Soil	12	33	0.43	213	0.039	1	1.92	0.006	0.05	0.2	0.11	3.6	0.1	<0.05	5	0.7	<0.2
112717	Soil	14	30	0.35	242	0.056	<1	1.80	0.006	0.04	0.2	0.09	4.1	0.1	<0.05	5	0.8	<0.2
112718	Soil	19	23	0.24	235	0.040	<1	1.11	0.005	0.05	<0.1	0.11	4.4	0.1	<0.05	3	1.1	<0.2
112719	Soil	14	26	0.34	276	0.043	<1	1.14	0.008	0.04	0.1	0.06	4.5	<0.1	<0.05	3	0.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
112720	Soil	1.5	29.1	13.2	52	0.1	17.9	10.9	308	2.75	27.9	2.2	5.4	5.9	12	<0.1	2.0	0.3	48	0.08	0.023
112721	Soil	1.1	27.0	15.3	57	0.2	18.6	7.9	236	2.78	16.9	2.8	4.3	6.6	10	<0.1	1.3	0.2	50	0.07	0.017
112722	Soil	0.7	52.6	11.9	93	<0.1	24.6	8.1	306	3.30	23.8	2.8	<0.5	6.4	18	<0.1	2.1	0.2	55	0.07	0.025
112723	Soil	0.7	30.1	15.2	56	0.4	16.4	6.5	291	2.47	51.4	1.9	10.6	9.4	17	<0.1	18.2	0.2	32	0.12	0.031
112724	Soil	0.6	19.8	8.9	57	0.1	15.7	6.6	235	2.32	13.5	1.3	9.6	5.6	15	<0.1	2.2	0.2	36	0.16	0.037
112725	Soil	0.2	45.1	14.9	118	<0.1	25.7	7.6	663	3.02	5.3	1.1	4.0	10.1	11	<0.1	0.8	0.2	34	0.35	0.067
112726	Soil	0.4	35.9	9.9	86	0.4	25.9	9.8	686	2.39	9.4	1.8	3.3	3.5	23	0.1	2.2	0.2	38	0.55	0.070
112727	Soil	0.4	21.6	18.1	112	<0.1	36.5	13.4	332	3.40	6.9	0.8	2.9	14.8	29	<0.1	0.6	0.2	60	1.44	0.080
112728	Soil	0.7	29.4	9.4	61	0.2	26.7	8.6	571	2.23	10.1	1.7	1.5	4.3	25	0.2	0.8	0.2	39	0.50	0.071
112729	Soil	0.9	78.2	11.8	135	<0.1	44.2	13.2	961	2.68	8.6	1.8	8.8	4.8	20	<0.1	1.9	0.2	54	0.49	0.029
112730	Soil	0.9	31.8	11.1	61	0.1	25.6	9.9	486	2.69	12.6	1.6	3.7	5.6	24	<0.1	1.1	0.2	49	0.44	0.038
112731	Soil	0.8	30.1	10.7	59	0.1	26.7	9.8	371	2.68	13.1	1.3	2.3	5.9	25	<0.1	1.0	0.2	50	0.37	0.032
112732	Soil	0.9	44.5	13.2	83	0.2	29.9	9.9	401	2.99	17.4	1.9	3.4	6.7	23	0.2	1.2	0.2	48	0.38	0.052
112733	Soil	1.1	37.2	11.9	66	0.2	26.6	9.8	374	2.69	13.4	1.2	3.8	5.2	28	0.2	1.1	0.2	49	0.42	0.054
112734	Soil	0.8	34.4	11.1	62	0.2	27.4	10.2	457	2.50	11.7	2.5	3.4	4.1	35	0.2	1.0	0.2	46	0.55	0.056
112735	Soil	0.8	32.8	10.0	62	0.1	23.4	8.7	281	2.35	9.6	1.7	2.2	3.6	30	0.1	0.8	0.2	45	0.41	0.057
112736	Soil	0.8	34.5	11.3	77	0.2	24.9	8.5	283	2.48	12.2	1.7	3.9	4.6	30	0.1	1.0	0.2	46	0.42	0.047
112737	Soil	0.9	40.9	14.5	82	0.2	31.9	9.3	358	2.75	15.3	4.2	2.7	4.2	41	0.2	1.2	0.2	47	0.58	0.053
112738	Soil	1.0	36.4	13.3	83	0.2	35.2	11.7	464	2.93	15.8	1.1	3.5	6.3	28	0.2	1.2	0.2	49	0.39	0.057
112739	Soil	1.1	33.9	11.9	68	0.2	32.7	9.7	425	2.68	15.2	2.5	3.7	5.0	30	0.1	1.1	0.2	47	0.44	0.057
112740	Soil	1.1	34.7	12.2	70	0.2	31.4	9.8	422	2.66	15.5	2.4	3.1	4.9	29	0.1	1.1	0.2	47	0.42	0.057
112741	Soil	0.9	30.2	11.1	59	0.2	24.7	7.8	263	2.44	13.3	2.5	3.7	4.2	31	0.1	0.9	0.2	46	0.41	0.058
112742	Soil	1.3	21.8	9.6	59	<0.1	23.6	9.1	370	2.61	14.5	1.2	2.1	5.8	25	<0.1	0.9	0.2	48	0.31	0.040
112743	Soil	0.8	25.1	10.2	56	0.1	20.6	7.5	242	2.42	12.1	1.9	2.0	4.6	30	<0.1	0.9	0.2	44	0.36	0.046
112744	Soil	1.2	29.0	12.3	67	0.2	22.4	9.8	354	2.73	15.6	2.5	3.0	5.5	31	0.2	1.1	0.2	51	0.38	0.049
112745	Soil	0.9	35.0	9.0	52	0.2	23.7	8.8	151	2.14	8.8	2.1	2.1	4.2	36	0.3	0.8	0.1	43	0.58	0.065
112746	Soil	1.1	30.3	9.1	69	0.1	26.3	9.0	395	2.37	11.2	0.6	2.6	4.3	35	0.2	0.8	0.2	45	0.78	0.074
112747	Soil	1.1	27.4	9.1	59	0.2	26.5	9.7	457	2.34	10.9	1.2	10.2	2.9	37	0.3	0.9	0.2	47	0.65	0.072
112748	Soil	1.4	31.3	10.7	82	0.1	27.6	10.1	407	2.58	12.3	0.7	2.7	4.2	42	0.4	1.1	0.2	48	1.08	0.075
112749	Soil	0.6	27.9	11.1	72	0.2	25.1	10.9	482	2.51	11.5	1.3	2.7	4.1	31	0.2	1.1	0.2	46	0.57	0.055



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
112720	Soil	15	25	0.29	227	0.038	<1	1.36	0.006	0.04	0.1	0.09	4.4	0.2	<0.05	4	<0.5
112721	Soil	19	30	0.40	307	0.039	<1	1.63	0.005	0.05	0.2	0.05	4.7	0.1	<0.05	5	<0.5
112722	Soil	16	19	0.49	493	0.058	<1	1.19	0.004	0.26	<0.1	0.03	7.4	0.2	<0.05	4	<0.5
112723	Soil	23	28	0.51	417	0.059	<1	1.10	0.005	0.20	<0.1	0.03	3.5	0.4	0.09	4	<0.5
112724	Soil	16	19	0.56	367	0.067	2	1.27	0.006	0.10	0.2	0.02	2.9	0.1	<0.05	4	<0.5
112725	Soil	33	26	1.08	347	0.115	<1	1.89	0.005	0.71	0.1	0.01	6.8	0.5	<0.05	8	<0.5
112726	Soil	21	19	0.71	831	0.050	2	1.50	0.008	0.05	0.1	0.03	4.4	0.1	<0.05	5	<0.5
112727	Soil	35	41	0.78	226	0.080	<1	1.77	0.003	0.63	0.1	<0.01	4.7	0.4	<0.05	7	0.6
112728	Soil	16	25	0.53	370	0.044	1	1.13	0.012	0.06	0.2	0.05	3.2	0.2	<0.05	3	<0.5
112729	Soil	15	68	1.54	485	0.073	<1	2.31	0.007	0.06	0.2	0.03	5.0	0.1	<0.05	8	0.5
112730	Soil	19	27	0.46	504	0.057	<1	1.54	0.009	0.07	0.1	0.04	4.1	<0.1	<0.05	5	<0.5
112731	Soil	18	30	0.47	406	0.058	<1	1.62	0.010	0.06	0.1	0.05	4.2	<0.1	<0.05	4	<0.5
112732	Soil	23	25	0.50	559	0.063	<1	1.45	0.009	0.21	0.2	0.07	4.7	0.2	<0.05	5	<0.5
112733	Soil	17	28	0.49	474	0.057	1	1.43	0.012	0.06	0.2	0.05	3.7	<0.1	<0.05	4	<0.5
112734	Soil	16	26	0.46	568	0.051	1	1.41	0.013	0.05	0.2	0.05	3.7	<0.1	<0.05	4	<0.5
112735	Soil	16	24	0.47	549	0.052	<1	1.47	0.010	0.05	0.2	0.05	3.5	0.1	<0.05	4	<0.5
112736	Soil	18	27	0.49	451	0.063	<1	1.54	0.011	0.06	0.2	0.04	3.9	0.1	<0.05	5	0.6
112737	Soil	20	28	0.46	624	0.049	<1	1.60	0.010	0.06	0.2	0.05	4.1	0.1	<0.05	5	<0.5
112738	Soil	19	30	0.46	391	0.064	<1	1.68	0.013	0.08	0.2	0.06	4.3	0.1	<0.05	5	0.6
112739	Soil	18	29	0.41	424	0.052	<1	1.47	0.010	0.06	0.2	0.05	4.1	<0.1	<0.05	4	0.8
112740	Soil	18	30	0.41	420	0.050	<1	1.47	0.009	0.05	0.1	0.07	4.0	<0.1	<0.05	4	<0.5
112741	Soil	17	27	0.40	377	0.049	1	1.43	0.011	0.05	0.2	0.06	3.4	<0.1	<0.05	4	<0.5
112742	Soil	15	29	0.43	325	0.065	<1	1.53	0.010	0.05	0.2	0.03	3.8	<0.1	<0.05	5	<0.5
112743	Soil	17	26	0.39	329	0.059	<1	1.51	0.010	0.05	0.2	0.03	3.5	<0.1	<0.05	4	<0.5
112744	Soil	18	28	0.41	396	0.063	1	1.74	0.011	0.07	0.1	0.05	4.0	<0.1	<0.05	5	<0.5
112745	Soil	16	24	0.47	393	0.050	<1	1.22	0.015	0.04	0.3	0.03	3.4	<0.1	<0.05	4	<0.5
112746	Soil	14	24	0.69	380	0.058	<1	1.11	0.020	0.06	0.3	0.02	3.1	<0.1	<0.05	4	<0.5
112747	Soil	14	25	0.47	432	0.043	<1	1.26	0.015	0.05	0.3	0.04	3.1	<0.1	<0.05	4	0.7
112748	Soil	15	26	0.66	416	0.056	2	1.19	0.019	0.07	0.3	0.05	3.3	<0.1	<0.05	4	0.5
112749	Soil	16	25	0.43	483	0.051	2	1.49	0.013	0.05	0.2	0.06	3.8	<0.1	<0.05	5	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
112750	Soil	0.8	20.4	8.8	61	0.2	17.9	7.0	318	2.15	10.5	1.0	3.1	3.8	23	<0.1	0.8	0.2	42	0.33	0.044
112751	Soil	1.1	28.7	15.7	144	0.1	27.8	8.4	412	2.83	29.7	1.4	2.6	7.8	23	0.2	2.5	0.2	44	0.27	0.045
112752	Soil	0.9	21.9	17.3	120	<0.1	20.9	9.9	724	2.62	19.2	1.0	2.3	5.1	18	0.3	1.6	0.2	46	0.23	0.046
112753	Soil	0.8	58.8	7.2	82	0.1	21.8	13.1	733	2.88	8.3	0.8	2.4	3.7	25	<0.1	1.8	0.1	56	0.48	0.063
112754	Soil	0.7	91.8	7.3	101	0.1	29.9	16.5	1281	3.33	14.3	0.5	4.0	3.4	25	0.2	12.2	<0.1	62	0.61	0.093
112755	Soil	1.0	39.1	22.9	123	0.4	39.2	12.2	909	2.89	17.7	1.1	2.4	5.2	20	0.4	1.8	0.2	57	0.40	0.040
112756	Soil	0.9	35.0	16.0	82	<0.1	27.3	10.3	538	3.20	26.5	1.6	6.0	6.7	13	0.2	2.9	0.2	59	0.12	0.021
112757	Soil	0.8	41.9	7.7	71	<0.1	19.0	10.0	644	3.25	8.5	0.9	1.7	3.8	18	<0.1	0.8	0.1	63	0.22	0.047
112758	Soil	0.8	38.1	12.6	75	<0.1	19.9	9.4	431	2.90	12.2	1.1	4.9	6.4	19	<0.1	1.3	0.2	51	0.23	0.041
112759	Soil	0.9	32.4	15.3	108	0.1	31.2	11.1	347	3.08	15.4	1.6	6.1	10.6	16	0.2	1.0	0.2	46	0.17	0.042
112760	Soil	1.0	34.2	12.6	72	<0.1	25.5	8.7	368	2.96	13.2	1.4	4.4	6.2	27	<0.1	1.0	0.2	52	0.32	0.044
112761	Soil	1.4	48.6	11.2	88	0.1	29.9	11.2	829	3.11	13.8	1.0	7.4	5.0	24	0.1	1.1	0.1	56	0.26	0.042
112762	Soil	0.8	40.0	12.6	75	0.2	30.7	9.2	422	2.90	18.6	1.5	4.9	6.0	26	<0.1	1.2	0.2	50	0.28	0.035
112763	Soil	0.8	25.9	9.9	61	<0.1	19.9	7.9	306	2.50	10.8	1.4	6.1	4.9	21	<0.1	0.7	0.2	49	0.24	0.035
112764	Soil	1.1	52.1	12.1	102	0.2	38.1	12.9	1008	3.64	12.6	1.3	8.4	5.5	25	0.2	1.0	0.2	61	0.29	0.038
112765	Soil	1.0	36.1	10.4	74	0.1	27.4	8.1	377	2.85	12.0	1.2	5.4	5.1	27	0.1	1.0	0.2	53	0.33	0.043
112766	Soil	1.0	35.3	11.0	74	0.1	25.4	8.1	314	2.80	12.6	1.5	6.4	5.5	26	<0.1	1.0	0.2	51	0.32	0.041
112767	Soil	0.8	34.0	10.8	74	0.1	21.0	8.5	280	2.79	11.1	3.8	5.9	5.0	29	0.1	1.0	0.2	49	0.36	0.046
112768	Soil	0.9	26.6	9.5	62	<0.1	18.6	6.8	293	2.08	9.7	1.4	2.7	5.3	20	0.2	0.8	0.1	40	0.23	0.045
112769	Soil	0.7	20.1	8.6	57	<0.1	16.3	4.6	146	1.58	8.8	1.2	4.1	4.8	17	<0.1	0.8	0.1	34	0.20	0.042
112770	Soil	0.9	19.7	9.5	60	<0.1	16.8	5.8	230	2.03	14.5	1.3	2.4	4.8	18	0.2	1.0	0.1	35	0.18	0.038
112771	Soil	1.0	26.6	9.0	64	0.1	19.5	6.9	260	2.22	14.1	1.5	8.6	4.7	22	0.2	1.2	0.1	41	0.25	0.058
112772	Soil	1.7	47.9	11.2	90	0.3	27.9	9.3	914	2.59	15.5	2.0	7.3	5.1	24	0.2	1.7	0.1	40	0.22	0.047
112773	Soil	0.8	29.3	8.7	68	0.1	19.5	7.5	623	2.49	13.2	1.3	3.2	5.4	22	0.1	1.1	0.1	41	0.26	0.050
112774	Soil	0.7	27.3	8.7	61	0.1	19.2	6.2	191	2.18	9.6	2.2	6.4	4.7	26	<0.1	0.7	0.2	42	0.35	0.051
112775	Soil	0.7	20.0	8.7	60	0.1	15.2	5.6	157	2.07	8.3	1.2	3.8	3.0	22	0.1	0.5	0.2	38	0.26	0.047
112776	Soil	1.0	31.0	9.8	68	0.1	23.0	8.3	294	2.72	12.5	1.5	0.7	5.2	28	0.5	1.1	0.2	47	0.43	0.068
112777	Soil	0.7	26.8	10.8	63	0.1	21.6	7.2	191	2.68	10.6	1.9	6.7	6.4	26	0.2	0.7	0.2	38	0.31	0.045
112778	Soil	0.4	24.3	8.9	58	0.1	17.0	6.1	138	2.21	7.7	1.1	5.4	4.7	27	0.2	0.8	0.2	36	0.31	0.043
112779	Soil	1.1	25.4	10.9	66	0.1	19.3	9.6	281	2.71	13.1	1.6	5.5	5.3	28	<0.1	0.9	0.2	45	0.34	0.057



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112750	Soil	16	22	0.38	345	0.044	<1	1.30	0.009	0.04	0.2	0.05	2.9	0.1	<0.05	4	<0.5	<0.2
112751	Soil	24	39	0.54	354	0.071	<1	1.45	0.008	0.24	0.2	0.04	4.3	0.3	<0.05	5	<0.5	<0.2
112752	Soil	16	23	0.34	301	0.049	<1	1.21	0.007	0.06	0.2	0.02	3.6	0.1	<0.05	4	0.6	<0.2
112753	Soil	13	20	0.87	590	0.107	<1	1.70	0.012	0.32	0.1	0.03	4.9	0.1	<0.05	6	<0.5	<0.2
112754	Soil	14	17	1.16	941	0.090	<1	1.97	0.015	0.38	0.2	0.04	5.6	0.2	<0.05	7	<0.5	<0.2
112755	Soil	21	31	0.49	406	0.068	<1	1.70	0.013	0.06	0.1	0.06	4.8	0.6	<0.05	5	<0.5	<0.2
112756	Soil	22	29	0.39	347	0.061	<1	2.10	0.007	0.07	0.2	0.05	6.8	0.5	<0.05	6	1.3	<0.2
112757	Soil	15	20	0.69	678	0.118	<1	1.75	0.009	0.36	0.1	0.03	7.2	0.1	<0.05	6	1.0	<0.2
112758	Soil	21	23	0.52	453	0.092	<1	1.69	0.013	0.22	0.1	0.01	4.8	0.2	<0.05	5	0.9	<0.2
112759	Soil	31	26	0.34	295	0.076	<1	1.24	0.007	0.20	0.1	0.02	4.8	0.3	<0.05	4	0.8	<0.2
112760	Soil	18	29	0.43	407	0.066	1	1.63	0.016	0.07	0.1	0.04	5.5	0.2	<0.05	5	1.2	<0.2
112761	Soil	16	22	0.59	653	0.099	<1	1.70	0.011	0.28	0.1	0.02	5.7	0.2	<0.05	6	1.2	<0.2
112762	Soil	16	26	0.40	470	0.068	<1	1.65	0.011	0.08	0.1	0.05	5.8	0.2	<0.05	5	0.8	<0.2
112763	Soil	16	27	0.39	353	0.057	<1	1.55	0.010	0.05	0.2	0.02	4.7	0.1	<0.05	5	0.9	<0.2
112764	Soil	17	29	0.59	660	0.100	<1	2.21	0.010	0.30	<0.1	0.05	7.4	0.2	<0.05	7	0.5	<0.2
112765	Soil	17	28	0.42	437	0.071	<1	1.70	0.012	0.07	0.2	0.04	5.0	0.1	<0.05	5	1.6	<0.2
112766	Soil	18	29	0.43	443	0.071	<1	1.72	0.010	0.07	0.2	0.05	5.3	0.1	<0.05	5	0.9	<0.2
112767	Soil	16	28	0.43	504	0.060	<1	1.61	0.012	0.05	0.2	0.04	4.7	<0.1	<0.05	5	0.8	<0.2
112768	Soil	18	23	0.33	321	0.065	9	1.28	0.009	0.06	0.2	0.02	4.3	<0.1	<0.05	4	0.7	<0.2
112769	Soil	17	19	0.25	213	0.056	<1	0.98	0.009	0.06	0.2	0.01	3.2	<0.1	<0.05	3	0.8	<0.2
112770	Soil	15	20	0.26	241	0.043	<1	1.04	0.006	0.06	0.2	0.02	3.2	0.1	<0.05	3	<0.5	<0.2
112771	Soil	16	22	0.31	351	0.046	<1	1.13	0.008	0.05	0.3	0.03	3.8	<0.1	<0.05	3	0.8	<0.2
112772	Soil	15	20	0.30	576	0.047	<1	1.15	0.007	0.09	0.2	0.03	5.1	0.2	<0.05	4	1.1	<0.2
112773	Soil	18	21	0.36	408	0.057	<1	1.23	0.008	0.11	0.2	0.03	4.1	0.1	<0.05	4	0.5	<0.2
112774	Soil	18	23	0.41	407	0.061	<1	1.31	0.011	0.06	0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
112775	Soil	14	23	0.35	346	0.049	<1	1.44	0.010	0.06	0.2	0.02	2.9	<0.1	<0.05	5	0.6	<0.2
112776	Soil	16	28	0.41	351	0.059	<1	1.28	0.015	0.07	0.2	0.01	4.0	0.1	<0.05	4	1.2	<0.2
112777	Soil	20	22	0.32	326	0.049	<1	1.56	0.010	0.10	0.1	0.04	3.9	0.1	<0.05	5	0.5	<0.2
112778	Soil	18	22	0.32	307	0.050	<1	1.46	0.012	0.07	0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
112779	Soil	18	23	0.35	410	0.059	<1	1.47	0.011	0.07	0.2	0.02	3.8	<0.1	<0.05	4	0.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
112780	Soil	0.5	29.7	10.1	59	0.1	19.6	7.8	208	2.39	9.8	1.3	2.7	4.9	34	0.1	0.9	0.3	37	0.31	0.036
113664	Soil	1.3	22.4	11.2	80	0.1	23.7	9.1	314	3.62	9.4	1.2	3.1	10.8	13	0.1	0.7	0.4	67	0.19	0.043
113665	Soil	1.2	22.4	11.9	75	0.2	17.3	8.8	390	2.91	9.8	1.5	3.8	8.1	16	0.2	0.8	0.3	51	0.17	0.048
113666	Soil	0.8	16.8	12.5	51	<0.1	15.2	5.3	175	2.03	7.3	1.5	3.0	9.5	11	<0.1	0.9	0.2	38	0.09	0.015
113667	Soil	0.9	18.9	13.2	53	<0.1	14.9	5.9	208	2.06	7.3	3.2	3.0	10.8	14	<0.1	1.1	0.4	39	0.12	0.012
113668	Soil	1.0	17.0	12.6	56	<0.1	16.8	6.1	173	2.47	10.8	1.7	1.4	7.2	12	<0.1	1.2	0.3	50	0.09	0.014
113669	Soil	0.9	22.0	14.6	43	<0.1	12.9	7.9	456	1.84	13.3	2.8	1.2	10.8	10	<0.1	2.3	0.3	31	0.05	0.014
113670	Soil	1.1	37.4	12.8	86	<0.1	28.9	12.8	373	2.72	10.7	2.9	0.8	13.7	6	<0.1	1.5	0.4	34	0.03	0.022
113671	Soil	1.0	36.2	11.5	59	<0.1	22.4	9.6	326	2.92	14.4	2.6	2.6	11.1	11	<0.1	1.5	0.3	43	0.07	0.015
113672	Soil	1.0	31.8	16.0	91	<0.1	28.3	10.9	461	3.36	22.0	2.6	3.2	13.7	14	<0.1	2.1	0.4	43	0.11	0.027
113673	Soil	1.0	23.2	11.2	53	<0.1	16.9	6.2	174	2.55	21.5	1.0	1.1	5.2	10	<0.1	1.4	0.3	46	0.07	0.021
113674	Soil	1.5	31.9	16.7	35	0.2	11.1	4.0	81	1.98	64.5	1.5	3.9	6.7	15	0.2	5.9	0.2	33	0.04	0.029
113675	Soil	1.4	35.1	14.8	52	0.2	19.9	7.1	226	2.41	38.5	1.6	3.1	6.7	21	<0.1	5.0	0.3	48	0.15	0.027
113676	Soil	1.2	23.8	11.4	52	0.2	15.9	6.2	174	2.29	19.1	1.7	3.0	5.7	17	<0.1	2.5	0.2	46	0.14	0.030
113677	Soil	1.1	24.8	11.5	58	0.2	18.4	7.8	245	2.58	20.4	1.9	2.5	5.7	20	0.1	2.3	0.2	50	0.21	0.034
113678	Soil	1.0	26.5	10.3	53	0.1	19.3	7.5	258	2.28	19.1	2.3	2.0	5.0	22	<0.1	2.0	0.2	44	0.22	0.035
113679	Soil	1.1	29.3	12.1	62	0.2	20.3	8.3	260	2.38	24.2	2.4	2.0	5.4	19	0.1	3.1	0.2	37	0.13	0.043
113680	Soil	1.1	28.8	12.1	58	0.2	21.7	8.6	279	2.43	20.8	2.5	1.6	4.9	23	0.1	2.4	0.2	44	0.19	0.044
113681	Soil	1.4	26.8	15.9	62	0.2	19.7	14.2	589	2.78	25.5	2.1	2.0	4.8	22	0.2	2.8	0.2	47	0.17	0.044
113682	Soil	0.9	26.9	9.4	61	<0.1	18.4	6.6	225	2.28	15.6	1.8	2.4	5.4	24	0.1	1.6	0.2	43	0.23	0.048
113683	Soil	0.8	25.9	8.7	55	0.1	18.1	7.3	204	2.21	10.3	2.9	5.4	4.8	21	<0.1	1.1	0.2	41	0.24	0.046
113684	Soil	1.0	34.7	10.2	72	0.2	24.1	14.4	455	3.27	20.2	3.0	4.0	2.2	36	0.2	1.3	0.2	55	0.82	0.065
113685	Soil	0.7	30.2	12.0	58	0.2	24.6	13.0	1124	2.65	16.8	2.3	6.9	4.1	29	0.2	1.9	0.2	47	0.55	0.053
113686	Soil	0.9	33.2	19.4	105	0.2	26.4	8.8	409	3.18	23.2	1.9	11.2	8.2	18	0.1	2.0	0.3	47	0.32	0.060
113687	Soil	0.7	37.1	11.3	82	0.3	28.5	10.4	312	3.35	19.2	2.3	5.0	5.4	29	0.2	1.8	0.2	49	0.56	0.067
113688	Soil	0.5	31.0	11.7	93	0.2	24.4	10.7	472	2.82	13.0	1.7	3.8	5.1	30	0.3	1.6	0.2	45	0.71	0.080
113689	Soil	0.7	34.8	9.4	64	<0.1	22.9	7.8	326	2.47	11.4	1.4	2.9	5.5	25	<0.1	1.0	0.2	45	0.38	0.052
113690	Soil	1.0	47.6	8.1	110	0.2	18.6	11.7	1438	3.22	11.9	0.8	0.6	2.8	34	0.4	0.8	0.1	55	0.36	0.091
113691	Soil	1.0	44.9	9.5	81	<0.1	21.3	10.6	566	2.98	14.4	0.9	1.5	5.0	17	<0.1	0.9	0.2	56	0.24	0.040
113692	Soil	0.8	26.6	10.5	66	<0.1	20.9	8.0	475	2.45	11.5	1.2	2.1	4.8	29	0.1	0.9	0.2	45	0.39	0.059



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112780	Soil	17	22	0.33	376	0.055	1	1.54	0.013	0.07	<0.1	0.03	4.0	0.1	<0.05	4	<0.5	<0.2
113664	Soil	45	51	0.85	463	0.112	3	2.17	0.009	0.44	0.1	0.02	6.1	0.4	<0.05	8	<0.5	<0.2
113665	Soil	31	27	0.50	216	0.089	1	1.53	0.006	0.33	0.1	0.02	4.1	0.4	<0.05	6	<0.5	<0.2
113666	Soil	21	22	0.33	142	0.050	<1	1.17	0.005	0.05	0.1	0.05	2.8	<0.1	<0.05	4	<0.5	<0.2
113667	Soil	29	22	0.32	256	0.053	2	1.26	0.006	0.05	0.1	0.05	3.8	0.1	<0.05	4	0.5	<0.2
113668	Soil	17	25	0.36	194	0.050	2	1.57	0.007	0.05	0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
113669	Soil	15	16	0.18	146	0.042	2	0.85	0.004	0.05	0.1	0.07	2.8	0.1	<0.05	3	<0.5	<0.2
113670	Soil	38	25	0.45	207	0.112	<1	1.40	0.004	0.50	<0.1	0.05	5.3	0.4	<0.05	5	0.9	<0.2
113671	Soil	29	27	0.38	264	0.069	<1	1.45	0.007	0.08	0.1	0.09	6.5	0.1	<0.05	4	0.9	<0.2
113672	Soil	33	27	0.41	248	0.080	<1	1.50	0.005	0.29	<0.1	0.05	4.7	0.3	<0.05	5	0.6	<0.2
113673	Soil	15	24	0.35	159	0.061	2	1.38	0.007	0.10	0.1	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
113674	Soil	13	18	0.13	125	0.020	<1	0.72	0.003	0.04	0.1	0.07	2.9	0.1	<0.05	2	<0.5	<0.2
113675	Soil	19	28	0.35	308	0.049	1	1.27	0.008	0.05	0.1	0.14	5.0	<0.1	<0.05	3	1.1	<0.2
113676	Soil	17	27	0.40	263	0.046	<1	1.41	0.008	0.04	0.1	0.08	3.8	<0.1	<0.05	4	1.0	<0.2
113677	Soil	18	30	0.39	702	0.045	<1	1.53	0.010	0.05	0.2	0.08	4.1	0.2	<0.05	4	0.7	<0.2
113678	Soil	16	25	0.35	638	0.041	<1	1.33	0.008	0.04	0.1	0.07	3.9	0.1	<0.05	4	0.6	<0.2
113679	Soil	16	21	0.25	408	0.035	1	1.02	0.006	0.05	0.1	0.08	3.6	0.2	<0.05	3	0.9	<0.2
113680	Soil	17	25	0.33	519	0.036	<1	1.32	0.009	0.05	0.1	0.09	3.7	0.2	<0.05	4	0.8	<0.2
113681	Soil	15	26	0.29	460	0.036	2	1.46	0.008	0.06	0.2	0.06	3.5	0.2	<0.05	4	0.7	<0.2
113682	Soil	17	25	0.40	361	0.062	<1	1.15	0.009	0.06	0.2	0.04	3.5	0.1	<0.05	4	0.6	<0.2
113683	Soil	15	23	0.47	446	0.065	<1	1.29	0.007	0.05	0.2	0.06	3.6	<0.1	<0.05	4	<0.5	<0.2
113684	Soil	18	27	0.51	677	0.058	1	1.82	0.011	0.09	0.2	0.05	4.6	0.1	0.06	5	0.8	<0.2
113685	Soil	18	27	0.39	523	0.043	<1	1.45	0.008	0.05	0.2	0.06	4.2	0.1	<0.05	4	0.9	<0.2
113686	Soil	22	25	0.38	446	0.038	<1	1.29	0.005	0.10	0.1	0.03	5.4	0.3	<0.05	4	0.8	<0.2
113687	Soil	21	28	0.58	561	0.053	1	1.68	0.010	0.06	0.2	0.05	4.7	0.1	<0.05	5	0.9	<0.2
113688	Soil	19	28	0.66	556	0.064	1	1.51	0.010	0.07	0.2	0.04	4.4	0.2	<0.05	5	0.8	<0.2
113689	Soil	18	27	0.47	388	0.063	<1	1.62	0.009	0.06	0.2	0.05	4.3	<0.1	<0.05	5	<0.5	<0.2
113690	Soil	10	16	0.61	655	0.074	<1	1.56	0.006	0.37	0.1	0.01	4.9	0.1	<0.05	6	0.5	<0.2
113691	Soil	14	22	0.74	528	0.087	<1	1.80	0.007	0.31	0.1	0.03	5.6	0.1	<0.05	6	<0.5	<0.2
113692	Soil	16	26	0.44	341	0.058	<1	1.47	0.010	0.06	0.2	0.02	3.7	<0.1	<0.05	5	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
113694	Soil	0.7	22.5	8.0	72	0.1	22.7	10.1	233	1.93	6.8	7.0	5.2	4.7	31	0.2	0.9	0.1	37	0.61	0.070
113695	Soil	0.6	29.0	11.1	65	0.1	22.5	9.4	243	2.55	12.8	1.2	5.7	6.4	28	0.4	1.1	0.2	49	0.49	0.073
113697	Soil	1.1	46.1	14.5	90	0.4	45.2	13.6	562	3.04	27.2	3.3	7.1	3.5	27	0.2	1.8	0.3	50	0.37	0.086
113698	Soil	0.9	30.9	11.8	81	0.2	35.4	14.2	472	3.78	35.4	1.5	2.7	10.2	21	0.2	2.0	0.2	59	0.21	0.051
113700	Soil	1.3	32.5	9.7	75	0.1	28.2	10.6	486	2.59	11.1	0.7	2.4	4.9	67	0.4	1.1	0.2	51	1.88	0.093
113701	Soil	1.0	19.5	9.6	63	0.2	17.4	9.4	337	2.38	14.6	1.2	3.0	4.2	24	0.2	1.6	0.2	44	0.27	0.065
113702	Soil	1.0	22.8	8.3	62	0.1	19.9	9.2	503	2.17	8.8	1.0	3.6	4.8	33	0.2	0.8	0.1	44	0.48	0.083
113703	Soil	0.9	27.7	10.0	69	0.2	24.8	10.8	659	2.54	11.3	1.2	2.1	4.4	35	0.2	1.0	0.2	51	0.53	0.088
113704	Soil	1.2	29.7	10.1	69	0.1	25.2	10.1	457	2.57	12.0	1.1	5.9	4.4	37	0.2	1.0	0.2	50	0.53	0.076
113705	Soil	0.8	39.3	10.4	66	0.2	26.3	9.0	427	2.82	10.0	1.5	2.5	5.7	31	0.1	0.9	0.2	52	0.45	0.054
113706	Soil	0.9	41.9	10.6	68	0.2	27.3	10.5	512	2.62	10.0	1.0	3.7	4.8	34	0.2	0.9	0.2	51	0.64	0.063
113707	Soil	0.8	28.6	10.9	77	0.2	22.1	6.9	271	2.49	14.3	1.6	5.9	6.5	24	0.1	1.3	0.2	45	0.37	0.054
113708	Soil	0.8	23.0	8.2	64	0.1	17.1	6.5	203	2.06	11.0	1.0	1.0	5.4	19	0.1	1.3	0.2	38	0.20	0.052
113709	Soil	1.1	34.8	13.2	90	0.1	27.4	9.7	267	2.81	11.9	1.1	0.9	5.9	29	0.1	1.0	0.2	55	0.35	0.066
113710	Soil	1.1	38.2	15.5	124	<0.1	23.8	8.4	363	3.12	14.5	1.4	3.0	8.0	21	0.1	1.0	0.3	50	0.21	0.020
113711	Soil	1.1	28.6	12.3	104	<0.1	20.4	8.2	238	2.81	13.7	1.6	2.6	8.0	19	<0.1	0.9	0.2	52	0.18	0.018
113712	Soil	0.8	44.9	18.0	215	<0.1	43.1	11.7	1385	2.96	31.0	1.5	2.4	7.0	14	0.4	2.1	0.2	49	0.11	0.036
113713	Soil	0.7	26.8	12.7	147	<0.1	34.4	6.6	311	1.70	8.5	1.2	2.5	3.8	10	0.2	1.1	0.2	33	0.08	0.017
113714	Soil	0.6	30.8	11.1	106	<0.1	30.9	8.0	297	2.39	13.2	1.0	5.2	5.3	18	0.1	1.1	0.2	43	0.19	0.025
113715	Soil	0.9	34.5	10.8	80	0.1	25.8	9.4	358	2.60	11.7	0.9	4.6	4.4	26	0.1	1.0	0.2	47	0.32	0.040
113716	Soil	0.5	29.6	9.7	73	<0.1	20.1	7.7	313	2.33	8.4	1.2	13.2	4.9	21	<0.1	0.6	0.2	42	0.27	0.044
113717	Soil	0.6	27.0	7.7	64	<0.1	17.9	6.4	233	2.11	8.2	1.1	7.5	4.3	20	<0.1	0.7	0.2	39	0.24	0.038
113718	Soil	0.7	31.9	11.1	78	<0.1	19.7	7.5	318	2.36	10.2	1.6	2.8	4.7	20	<0.1	0.8	0.2	46	0.22	0.025
113719	Soil	0.6	24.7	10.6	89	<0.1	18.4	5.5	271	2.07	9.0	1.6	2.7	4.2	20	0.1	0.7	0.2	39	0.21	0.037
113720	Soil	0.5	26.0	8.8	63	<0.1	16.3	5.0	190	1.79	10.2	1.4	3.1	4.5	17	<0.1	0.9	0.1	36	0.17	0.033
113721	Soil	0.9	30.5	10.6	73	0.1	22.0	8.1	362	2.40	14.0	1.5	3.8	4.9	25	<0.1	1.4	0.2	43	0.28	0.040
113722	Soil	0.7	28.2	11.0	73	<0.1	18.9	6.0	237	2.05	15.4	1.4	6.2	5.1	14	<0.1	1.7	0.2	37	0.12	0.026
113723	Soil	0.7	21.1	9.1	58	0.1	14.8	5.7	198	1.94	10.5	1.3	10.5	4.1	19	0.1	0.8	0.1	37	0.20	0.039
113724	Soil	0.7	21.4	8.6	51	0.1	14.3	5.5	219	1.92	11.3	1.4	2.4	3.8	21	<0.1	0.7	0.2	38	0.22	0.041
113725	Soil	0.8	24.5	9.1	52	<0.1	16.6	6.7	318	2.12	14.5	1.5	3.3	4.5	16	<0.1	0.9	0.2	40	0.15	0.032



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
113694	Soil	18	24	0.55	346	0.059	1	1.10	0.015	0.07	0.2	0.06	3.0	0.1	<0.05	4	<0.5	<0.2
113695	Soil	19	28	0.47	412	0.059	<1	1.36	0.012	0.06	0.3	0.05	3.4	<0.1	<0.05	4	0.8	<0.2
113697	Soil	39	37	0.45	557	0.045	1	1.77	0.009	0.13	0.2	0.11	4.6	0.3	<0.05	6	1.1	<0.2
113698	Soil	36	79	0.69	257	0.094	<1	1.34	0.007	0.33	0.1	0.06	7.9	0.6	<0.05	5	0.5	<0.2
113700	Soil	15	26	0.88	482	0.071	2	1.17	0.025	0.07	0.3	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
113701	Soil	18	24	0.38	319	0.046	<1	1.34	0.009	0.04	0.3	0.06	3.0	0.1	<0.05	4	<0.5	<0.2
113702	Soil	18	24	0.48	431	0.058	<1	1.19	0.017	0.05	0.5	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
113703	Soil	17	27	0.51	459	0.056	<1	1.36	0.015	0.05	0.3	0.04	3.4	<0.1	<0.05	4	0.7	<0.2
113704	Soil	16	27	0.55	403	0.056	<1	1.30	0.016	0.06	0.3	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
113705	Soil	19	28	0.56	523	0.081	<1	1.74	0.014	0.06	0.2	0.04	4.8	<0.1	<0.05	5	0.6	<0.2
113706	Soil	18	26	0.63	638	0.077	<1	1.90	0.019	0.06	0.2	0.04	4.6	<0.1	<0.05	5	0.8	<0.2
113707	Soil	20	26	0.44	344	0.065	<1	1.39	0.011	0.06	0.2	0.06	3.9	0.1	<0.05	4	0.7	<0.2
113708	Soil	17	21	0.31	220	0.055	<1	1.07	0.006	0.05	0.2	0.04	2.8	<0.1	<0.05	3	0.5	<0.2
113709	Soil	19	33	0.58	364	0.095	<1	1.67	0.013	0.08	0.2	0.04	4.5	0.1	<0.05	5	<0.5	<0.2
113710	Soil	24	29	0.62	375	0.101	<1	1.80	0.006	0.16	0.1	0.04	6.3	0.2	<0.05	6	0.8	<0.2
113711	Soil	25	31	0.47	289	0.081	<1	1.84	0.007	0.07	0.1	0.03	5.9	0.2	<0.05	5	<0.5	<0.2
113712	Soil	22	23	0.39	352	0.062	<1	1.33	0.003	0.08	0.2	0.03	6.0	0.4	<0.05	4	<0.5	<0.2
113713	Soil	15	17	0.33	194	0.034	1	0.87	0.004	0.03	0.1	0.02	2.4	0.4	<0.05	3	0.5	<0.2
113714	Soil	17	24	0.45	312	0.056	<1	1.22	0.008	0.05	0.1	0.03	4.0	0.4	<0.05	4	<0.5	<0.2
113715	Soil	15	28	0.54	503	0.066	<1	1.44	0.011	0.07	0.1	0.05	3.8	0.1	<0.05	4	0.5	<0.2
113716	Soil	17	24	0.51	414	0.071	<1	1.28	0.008	0.14	<0.1	0.03	3.6	0.1	<0.05	4	0.5	<0.2
113717	Soil	14	23	0.46	354	0.060	<1	1.26	0.007	0.04	0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
113718	Soil	16	24	0.49	430	0.063	<1	1.53	0.008	0.07	<0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
113719	Soil	15	22	0.37	349	0.053	<1	1.21	0.006	0.05	0.1	0.04	3.3	<0.1	<0.05	3	<0.5	<0.2
113720	Soil	15	19	0.33	277	0.058	<1	1.00	0.006	0.05	0.1	0.03	3.1	<0.1	<0.05	3	<0.5	<0.2
113721	Soil	15	25	0.39	397	0.059	<1	1.29	0.008	0.04	0.1	0.05	4.2	<0.1	<0.05	4	<0.5	<0.2
113722	Soil	15	19	0.26	237	0.053	<1	0.84	0.004	0.07	<0.1	0.03	3.4	0.1	<0.05	3	<0.5	<0.2
113723	Soil	14	20	0.30	271	0.047	<1	1.01	0.006	0.04	0.2	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
113724	Soil	13	21	0.32	287	0.043	<1	1.13	0.006	0.03	0.1	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
113725	Soil	14	22	0.31	280	0.044	<1	1.18	0.005	0.03	0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2



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Project: Wounded Moose
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
113726	Soil	0.8	22.6	7.5	51	<0.1	17.3	6.2	194	2.00	11.2	1.1	4.5	4.8	13	<0.1	0.9	0.1	35	0.13	0.024
113727	Soil	0.6	21.9	7.6	57	<0.1	17.3	5.3	158	1.96	9.4	1.5	1.9	5.1	14	<0.1	0.6	0.1	37	0.15	0.023
113728	Soil	0.7	27.6	9.1	69	<0.1	23.2	7.5	245	2.57	10.2	2.0	3.3	6.3	15	<0.1	0.6	0.2	45	0.15	0.025
113729	Soil	0.7	77.8	5.2	60	<0.1	39.2	14.3	799	1.47	7.7	1.0	10.8	4.2	20	<0.1	1.3	0.2	21	0.07	0.020
113730	Soil	0.7	19.8	9.6	81	<0.1	19.8	4.9	144	2.30	3.9	1.6	1.9	10.2	11	0.1	0.3	0.2	32	0.08	0.030
113731	Soil	0.9	22.7	13.2	65	0.2	22.6	5.3	115	2.08	7.1	2.4	2.4	5.6	16	<0.1	1.4	0.2	26	0.12	0.044
113732	Soil	0.7	30.5	7.9	64	<0.1	26.1	8.6	219	2.47	5.5	1.9	3.4	4.9	21	<0.1	0.5	0.2	30	0.11	0.027
113733	Soil	0.6	31.0	7.4	51	0.1	18.6	6.9	272	2.01	6.6	1.3	2.5	3.0	15	<0.1	0.5	0.1	36	0.14	0.026
113734	Soil	0.8	36.8	7.1	52	<0.1	19.3	6.1	201	1.94	9.1	1.1	3.5	3.9	8	<0.1	0.5	0.1	38	0.05	0.011
113735	Soil	0.9	14.1	14.7	55	<0.1	13.9	7.5	260	2.95	7.4	1.5	1.5	13.3	22	<0.1	0.3	0.1	29	0.17	0.041



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
113726	Soil	15	21	0.29	210	0.044	<1	0.96	0.005	0.04	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
113727	Soil	16	22	0.37	255	0.056	<1	1.04	0.004	0.10	<0.1	0.02	2.8	0.1	<0.05	3	<0.5	<0.2
113728	Soil	18	27	0.40	311	0.061	<1	1.35	0.005	0.14	<0.1	0.03	3.5	0.1	<0.05	4	<0.5	<0.2
113729	Soil	14	17	0.50	543	0.029	<1	1.11	0.004	0.08	0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
113730	Soil	25	19	0.27	119	0.032	<1	0.73	0.003	0.19	<0.1	<0.01	2.4	0.2	<0.05	3	0.6	<0.2
113731	Soil	16	15	0.18	159	0.018	<1	0.69	0.004	0.07	<0.1	0.03	2.6	0.1	<0.05	2	0.6	<0.2
113732	Soil	12	17	0.20	232	0.012	<1	0.77	0.004	0.05	<0.1	0.04	3.8	<0.1	<0.05	2	0.6	<0.2
113733	Soil	13	19	0.37	351	0.039	<1	1.11	0.006	0.05	0.1	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
113734	Soil	10	21	0.28	145	0.023	<1	1.01	0.003	0.03	<0.1	0.07	3.4	<0.1	<0.05	3	<0.5	<0.2
113735	Soil	27	16	0.22	324	0.011	<1	0.98	0.004	0.07	<0.1	0.02	3.1	<0.1	<0.05	3	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
101701	Soil	1.1	26.4	15.9	79	0.1	27.0	10.1	371	2.88	27.1	1.6	4.3	9.7	7	<0.1	4.4	0.2	45	0.04	0.024
REP 101701	QC	1.2	25.5	15.6	76	0.1	25.7	10.0	366	2.97	26.6	1.6	5.3	9.6	8	<0.1	4.2	0.2	44	0.04	0.022
101725	Soil	1.0	34.1	11.3	69	0.2	24.6	8.4	325	2.40	14.5	3.5	7.4	4.4	28	0.2	0.8	0.2	43	0.41	0.068
REP 101725	QC	1.0	34.4	11.5	70	0.2	24.4	8.7	330	2.40	15.5	3.5	4.7	4.4	29	0.2	0.8	0.2	43	0.43	0.070
102662	Soil	1.0	13.8	10.6	68	<0.1	12.9	8.1	265	2.46	12.7	2.4	2.3	13.0	13	0.1	0.6	0.2	41	0.19	0.049
REP 102662	QC	0.9	14.0	10.7	67	<0.1	13.0	7.8	266	2.45	13.2	2.4	1.7	13.0	13	0.1	0.6	0.2	41	0.20	0.048
102675	Soil	1.0	33.6	10.3	66	0.1	28.8	11.3	412	2.52	13.7	0.9	1.4	4.0	40	0.3	0.9	0.1	41	0.73	0.063
REP 102675	QC	1.1	33.2	10.4	65	0.2	28.3	11.3	410	2.52	13.0	0.9	1.4	3.9	39	0.3	0.9	0.2	41	0.72	0.062
102700	Soil	0.6	84.5	8.0	153	<0.1	29.2	14.5	529	2.97	6.1	0.9	6.8	4.4	26	<0.1	0.8	0.1	59	0.36	0.026
REP 102700	QC	0.7	84.8	8.3	153	<0.1	28.2	14.5	529	2.99	6.2	0.9	2.6	4.4	26	0.1	0.8	0.1	60	0.37	0.027
102717	Soil	0.9	41.2	16.3	156	0.2	57.7	15.3	453	3.22	2.2	1.3	<0.5	12.9	9	<0.1	0.3	0.4	26	0.15	0.048
REP 102717	QC	1.0	42.4	15.9	161	0.2	59.3	15.8	459	3.21	2.3	1.3	1.2	12.9	11	0.1	0.3	0.3	26	0.16	0.050
102732	Soil	0.9	30.7	12.2	58	<0.1	25.1	11.2	307	2.72	13.1	0.7	3.0	9.1	20	<0.1	0.8	0.2	56	0.26	0.026
REP 102732	QC	1.2	30.8	12.8	57	<0.1	25.5	11.0	309	2.70	12.8	0.8	2.6	9.9	19	<0.1	0.9	0.1	57	0.26	0.028
106349	Soil	1.4	22.4	9.6	74	<0.1	50.7	11.8	372	2.72	23.2	2.3	3.7	7.8	17	0.2	1.2	0.2	47	0.20	0.032
REP 106349	QC	1.6	23.1	10.2	77	<0.1	53.9	12.7	389	2.90	24.1	2.3	3.8	8.4	18	0.2	1.2	0.2	49	0.21	0.033
106367	Soil	1.1	31.8	10.0	73	0.2	26.9	10.1	426	2.52	12.0	0.7	1.7	3.3	42	0.4	0.8	0.2	43	1.13	0.074
REP 106367	QC	1.1	31.1	9.8	72	0.2	26.5	10.5	445	2.49	11.9	0.7	2.7	3.3	42	0.4	0.8	0.1	44	1.13	0.069
112715	Soil	2.3	42.4	16.9	56	<0.1	16.3	4.8	76	2.17	65.9	1.8	3.7	6.3	15	0.1	8.3	0.2	44	0.02	0.035
REP 112715	QC	2.5	40.0	17.3	53	<0.1	15.5	5.0	71	2.12	63.4	1.8	3.5	6.3	17	0.2	8.6	0.2	43	0.02	0.034
112736	Soil	0.8	34.5	11.3	77	0.2	24.9	8.5	283	2.48	12.2	1.7	3.9	4.6	30	0.1	1.0	0.2	46	0.42	0.047
REP 112736	QC	0.8	34.6	11.4	75	0.1	24.9	8.1	274	2.44	11.4	1.7	3.4	4.6	30	0.1	1.0	0.2	45	0.42	0.046
112739	Soil	1.1	33.9	11.9	68	0.2	32.7	9.7	425	2.68	15.2	2.5	3.7	5.0	30	0.1	1.1	0.2	47	0.44	0.057
REP 112739	QC	0.8	33.8	11.7	66	0.2	31.9	9.3	419	2.64	15.7	2.4	3.3	5.1	30	0.1	1.1	0.2	46	0.43	0.057
112759	Soil	0.9	32.4	15.3	108	0.1	31.2	11.1	347	3.08	15.4	1.6	6.1	10.6	16	0.2	1.0	0.2	46	0.17	0.042
REP 112759	QC	0.9	33.0	15.9	107	0.1	32.0	10.7	331	3.02	16.2	1.6	3.7	10.7	16	0.2	0.9	0.2	47	0.17	0.040
112765	Soil	1.0	36.1	10.4	74	0.1	27.4	8.1	377	2.85	12.0	1.2	5.4	5.1	27	0.1	1.0	0.2	53	0.33	0.043
REP 112765	QC	1.0	36.4	10.9	75	0.1	28.7	8.5	409	2.82	12.1	1.3	5.2	5.4	26	<0.1	0.9	0.2	53	0.33	0.044



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Part 2

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
101701	Soil	22	23	0.22	189	0.031	<1	1.32	0.004	0.07	<0.1	0.08	4.2	0.3	<0.05	4	<0.5	<0.2
REP 101701	QC	22	22	0.22	190	0.032	<1	1.34	0.004	0.07	<0.1	0.08	4.1	0.3	<0.05	4	0.5	<0.2
101725	Soil	17	23	0.35	439	0.022	<1	1.32	0.009	0.06	0.1	0.06	4.2	0.2	<0.05	4	1.0	<0.2
REP 101725	QC	17	23	0.37	442	0.022	<1	1.36	0.009	0.05	0.1	0.05	4.1	0.1	<0.05	4	0.9	<0.2
102662	Soil	36	23	0.40	168	0.080	1	1.36	0.008	0.16	0.2	0.02	3.7	0.2	<0.05	5	<0.5	<0.2
REP 102662	QC	36	23	0.41	172	0.080	2	1.35	0.007	0.16	0.2	0.02	3.6	0.2	<0.05	5	0.7	<0.2
102675	Soil	14	25	0.48	409	0.050	1	1.15	0.016	0.05	0.2	0.03	3.2	<0.1	<0.05	3	0.8	<0.2
REP 102675	QC	14	24	0.48	417	0.050	2	1.15	0.016	0.05	0.2	0.04	3.1	<0.1	<0.05	3	0.9	<0.2
102700	Soil	16	22	1.38	840	0.102	<1	2.26	0.010	0.33	<0.1	0.02	7.7	0.5	<0.05	8	<0.5	<0.2
REP 102700	QC	17	22	1.37	812	0.102	<1	2.28	0.010	0.33	<0.1	0.03	7.6	0.5	<0.05	7	<0.5	<0.2
102717	Soil	31	15	0.09	126	0.003	<1	0.29	0.002	0.07	<0.1	0.02	3.3	0.1	<0.05	1	0.9	<0.2
REP 102717	QC	30	15	0.09	130	0.003	<1	0.30	0.002	0.08	<0.1	0.03	3.4	0.1	<0.05	1	0.6	<0.2
102732	Soil	14	33	0.44	426	0.045	<1	2.23	0.007	0.05	0.3	0.03	4.2	<0.1	<0.05	6	<0.5	<0.2
REP 102732	QC	14	33	0.45	432	0.050	<1	2.12	0.007	0.05	0.5	0.04	4.2	<0.1	<0.05	6	<0.5	<0.2
106349	Soil	17	60	0.41	270	0.047	<1	1.51	0.007	0.05	0.2	0.06	4.2	0.1	<0.05	5	<0.5	<0.2
REP 106349	QC	18	63	0.43	287	0.049	<1	1.58	0.007	0.05	0.2	0.06	4.5	0.1	<0.05	5	0.5	<0.2
106367	Soil	13	23	0.59	457	0.038	1	1.12	0.020	0.06	0.3	0.04	3.0	<0.1	<0.05	3	0.9	<0.2
REP 106367	QC	13	23	0.59	452	0.041	2	1.10	0.020	0.06	0.3	0.03	3.1	<0.1	<0.05	3	0.9	<0.2
112715	Soil	14	21	0.16	156	0.014	<1	0.97	0.002	0.05	<0.1	0.18	3.5	0.1	<0.05	2	2.4	<0.2
REP 112715	QC	16	21	0.16	162	0.016	<1	1.00	0.003	0.05	<0.1	0.17	3.3	0.1	<0.05	3	1.9	<0.2
112736	Soil	18	27	0.49	451	0.063	<1	1.54	0.011	0.06	0.2	0.04	3.9	0.1	<0.05	5	0.6	<0.2
REP 112736	QC	17	26	0.48	438	0.060	<1	1.48	0.011	0.06	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
112739	Soil	18	29	0.41	424	0.052	<1	1.47	0.010	0.06	0.2	0.05	4.1	<0.1	<0.05	4	0.8	<0.2
REP 112739	QC	18	28	0.41	423	0.051	<1	1.50	0.010	0.05	0.2	0.06	4.1	<0.1	<0.05	4	0.7	<0.2
112759	Soil	31	26	0.34	295	0.076	<1	1.24	0.007	0.20	0.1	0.02	4.8	0.3	<0.05	4	0.8	<0.2
REP 112759	QC	30	26	0.35	300	0.075	<1	1.27	0.006	0.20	0.1	<0.01	4.7	0.3	<0.05	4	1.7	<0.2
112765	Soil	17	28	0.42	437	0.071	<1	1.70	0.012	0.07	0.2	0.04	5.0	0.1	<0.05	5	1.6	<0.2
REP 112765	QC	17	28	0.43	448	0.078	<1	1.81	0.012	0.07	0.2	0.05	5.2	0.1	<0.05	5	1.2	<0.2



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Project:

Wounded Moose

Report Date:

September 12, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000828.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
113671	Soil	1.0	36.2	11.5	59	<0.1	22.4	9.6	326	2.92	14.4	2.6	2.6	11.1	11	<0.1	1.5	0.3	43	0.07
REP 113671	QC	1.1	37.4	11.5	59	<0.1	23.3	9.9	329	2.94	14.2	2.6	2.4	10.6	11	<0.1	1.5	0.3	43	0.07
113683	Soil	0.8	25.9	8.7	55	0.1	18.1	7.3	204	2.21	10.3	2.9	5.4	4.8	21	<0.1	1.1	0.2	41	0.24
REP 113683	QC	0.8	26.9	9.1	57	0.1	18.5	7.5	200	2.28	11.4	2.8	2.7	4.9	22	0.1	1.2	0.2	42	0.25
113707	Soil	0.8	28.6	10.9	77	0.2	22.1	6.9	271	2.49	14.3	1.6	5.9	6.5	24	0.1	1.3	0.2	45	0.37
REP 113707	QC	0.7	29.6	10.2	77	0.2	23.3	7.4	275	2.48	14.8	1.6	4.5	6.3	22	0.2	1.3	0.2	43	0.34
113729	Soil	0.7	77.8	5.2	60	<0.1	39.2	14.3	799	1.47	7.7	1.0	10.8	4.2	20	<0.1	1.3	0.2	21	0.07
REP 113729	QC	0.8	76.1	5.3	55	<0.1	39.9	14.5	816	1.51	7.7	1.0	3.4	4.3	20	<0.1	1.2	0.2	22	0.08
113734	Soil	0.8	36.8	7.1	52	<0.1	19.3	6.1	201	1.94	9.1	1.1	3.5	3.9	8	<0.1	0.5	0.1	38	0.05
REP 113734	QC	0.8	38.1	7.4	53	<0.1	20.1	6.3	210	2.05	9.2	1.1	3.3	4.1	9	<0.1	0.5	0.2	39	0.06
Reference Materials																				
STD DS8	Standard	13.1	106.0	124.7	302	1.8	35.9	7.0	606	2.55	24.5	2.9	122.0	6.8	63	2.2	5.2	5.9	40	0.68
STD DS8	Standard	12.7	111.4	122.4	325	1.9	37.4	7.4	637	2.60	26.1	2.7	107.4	6.3	69	2.4	5.9	6.7	42	0.72
STD DS8	Standard	12.9	114.6	125.4	307	1.7	38.4	8.2	595	2.39	25.2	2.8	122.6	6.7	62	2.2	4.8	6.7	40	0.65
STD DS8	Standard	13.5	114.2	124.0	316	1.8	39.5	8.3	605	2.45	25.7	2.7	107.0	6.7	65	2.3	5.5	6.3	42	0.69
STD DS8	Standard	12.6	106.1	127.4	307	1.9	36.7	7.4	605	2.41	25.0	2.8	109.1	6.9	66	2.2	5.6	6.3	41	0.68
STD DS8	Standard	12.3	106.3	118.9	298	1.7	37.1	7.4	599	2.38	23.0	2.6	120.8	5.8	56	2.3	4.9	5.7	41	0.66
STD DS8	Standard	14.3	113.1	126.3	310	1.8	38.7	7.8	605	2.49	26.4	3.0	126.5	7.4	72	2.4	5.8	7.0	43	0.72
STD DS8	Standard	13.0	103.9	120.4	301	1.8	36.7	7.1	602	2.37	23.9	2.6	101.1	6.3	60	2.3	4.3	6.1	40	0.68
STD DS8	Standard	12.6	106.0	120.6	305	1.8	36.5	7.1	612	2.44	25.4	2.7	105.7	6.7	63	2.4	5.4	6.2	41	0.67
STD DS8	Standard	10.3	95.1	109.3	284	1.6	33.5	6.8	528	2.18	22.1	2.4	108.9	5.6	54	2.1	4.0	5.4	37	0.59
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.05	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Part 2

QUALITY CONTROL REPORT

WHI11000828.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
113671	Soil	29	27	0.38	264	0.069	<1	1.45	0.007	0.08	0.1	0.09	6.5	0.1	<0.05	4	0.9	<0.2
REP 113671	QC	28	27	0.38	259	0.069	<1	1.43	0.007	0.09	0.1	0.07	6.0	0.1	<0.05	4	<0.5	<0.2
113683	Soil	15	23	0.47	446	0.065	<1	1.29	0.007	0.05	0.2	0.06	3.6	<0.1	<0.05	4	<0.5	<0.2
REP 113683	QC	16	24	0.46	456	0.067	<1	1.43	0.007	0.05	0.2	0.05	3.8	<0.1	<0.05	4	0.5	<0.2
113707	Soil	20	26	0.44	344	0.065	<1	1.39	0.011	0.06	0.2	0.06	3.9	0.1	<0.05	4	0.7	<0.2
REP 113707	QC	20	25	0.42	336	0.063	<1	1.31	0.010	0.05	0.2	0.05	3.7	<0.1	<0.05	4	0.7	<0.2
113729	Soil	14	17	0.50	543	0.029	<1	1.11	0.004	0.08	0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
REP 113729	QC	14	18	0.50	539	0.029	<1	1.12	0.004	0.09	0.1	0.03	2.6	0.1	<0.05	3	<0.5	<0.2
113734	Soil	10	21	0.28	145	0.023	<1	1.01	0.003	0.03	<0.1	0.07	3.4	<0.1	<0.05	3	<0.5	<0.2
REP 113734	QC	10	22	0.29	157	0.025	<1	1.08	0.003	0.04	<0.1	0.08	3.8	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	16	114	0.59	267	0.113	2	0.97	0.095	0.40	3.0	0.22	2.9	5.3	0.07	5	5.5	5.4
STD DS8	Standard	15	118	0.63	289	0.120	3	0.92	0.090	0.43	3.1	0.20	2.4	5.4	0.15	5	5.3	5.1
STD DS8	Standard	13	118	0.60	266	0.114	1	0.86	0.079	0.40	2.9	0.19	1.9	5.3	0.12	4	5.3	4.5
STD DS8	Standard	14	120	0.61	267	0.122	3	0.88	0.083	0.41	2.8	0.18	2.1	5.5	0.14	5	5.7	4.7
STD DS8	Standard	15	114	0.61	277	0.111	2	0.87	0.088	0.41	3.1	0.20	2.0	5.3	0.15	5	4.8	4.5
STD DS8	Standard	13	111	0.58	252	0.099	3	0.89	0.077	0.39	2.9	0.19	2.1	5.1	0.17	4	5.1	5.2
STD DS8	Standard	16	120	0.62	282	0.128	2	0.90	0.089	0.41	3.2	0.21	2.1	5.4	0.18	5	5.3	4.8
STD DS8	Standard	15	112	0.60	271	0.097	2	0.88	0.084	0.39	2.6	0.20	2.4	5.3	0.14	4	4.8	5.2
STD DS8	Standard	14	114	0.60	270	0.110	2	0.87	0.083	0.41	2.9	0.22	2.2	5.5	0.13	4	4.3	5.1
STD DS8	Standard	11	100	0.54	222	0.099	2	0.77	0.069	0.36	2.6	0.18	1.6	5.0	0.13	4	4.4	4.4
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000828.1

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



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Part 2

QUALITY CONTROL REPORT

WHI11000828.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
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: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 04, 2011
Report Date: September 16, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000829.1

CLIENT JOB INFORMATION

Project: Wounded Moose
Shipment ID: 20110728161057
P.O. Number
Number of Samples: 318

SAMPLE DISPOSAL

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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



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



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CERTIFICATE OF ANALYSIS

WHI11000829.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
100336	Soil	0.3	39.7	18.9	120	<0.1	12.0	7.0	506	4.66	2.0	1.2	1.2	8.6	12	1.1	0.2	0.1	46	0.41	0.119
100337	Soil	0.3	15.7	11.7	60	<0.1	27.7	15.9	462	3.14	1.6	0.5	0.9	1.3	26	<0.1	0.3	<0.1	58	0.57	0.059
100338	Soil	0.3	11.0	3.7	77	<0.1	24.3	21.0	550	4.79	1.6	0.6	1.0	1.7	30	<0.1	0.3	<0.1	140	0.76	0.089
100339	Soil	0.3	22.2	4.0	83	<0.1	24.0	18.3	641	4.46	2.3	0.6	1.5	3.4	27	<0.1	0.2	<0.1	88	0.65	0.067
100340	Soil	0.3	23.2	3.5	74	<0.1	20.7	17.9	592	4.17	2.0	0.5	<0.5	2.4	29	<0.1	0.2	<0.1	75	0.69	0.067
100341	Soil	0.3	234.1	1.7	78	<0.1	23.3	22.1	709	4.38	1.8	0.4	1.9	0.6	25	<0.1	0.3	<0.1	130	0.78	0.075
100342	Soil	0.7	76.3	6.3	63	<0.1	21.9	12.5	384	3.38	6.7	0.8	3.0	2.8	20	<0.1	0.4	0.1	90	0.37	0.039
121785	Soil	1.0	11.2	10.4	101	<0.1	12.4	10.4	538	3.80	5.5	3.1	0.6	22.6	7	<0.1	0.3	0.2	39	0.20	0.074
121786	Soil	0.9	9.5	8.9	63	<0.1	11.3	5.6	303	2.45	6.3	3.2	2.6	14.9	8	<0.1	0.7	0.1	29	0.16	0.045
121787	Soil	1.3	10.0	10.8	61	<0.1	13.4	6.6	319	2.45	8.5	1.4	1.4	6.8	11	<0.1	0.5	0.2	40	0.14	0.027
121788	Soil	0.8	12.2	6.6	57	<0.1	174.4	11.0	301	2.43	15.7	1.9	2.1	7.6	14	0.1	1.1	0.2	30	0.25	0.035
121789	Soil	1.1	15.4	8.8	70	0.2	130.4	10.6	278	2.65	19.9	2.8	2.4	4.9	15	<0.1	1.2	0.2	36	0.29	0.050
121790	Soil	1.1	15.0	8.7	70	0.2	121.9	10.9	312	2.61	19.4	2.7	5.1	5.2	15	0.1	1.2	0.2	36	0.28	0.049
121791	Soil	0.8	14.0	7.4	65	0.1	171.7	13.4	294	2.58	12.9	1.8	1.8	6.9	15	0.1	0.8	0.1	33	0.28	0.038
121792	Soil	0.8	15.3	7.2	61	0.1	181.6	15.6	444	2.51	10.6	2.6	2.6	6.6	15	0.1	0.8	0.2	32	0.29	0.037
121793	Soil	0.7	19.3	9.2	70	0.2	236.5	17.6	344	2.54	14.5	2.6	1.8	5.7	16	0.2	1.7	0.2	35	0.29	0.037
121794	Soil	0.5	14.7	7.5	64	0.1	115.1	12.4	492	1.97	9.5	2.1	4.8	4.8	16	0.2	1.0	0.1	30	0.27	0.039
121795	Soil	0.8	11.6	7.7	54	<0.1	68.6	8.1	313	1.95	10.6	1.6	2.4	5.4	14	<0.1	1.0	0.1	29	0.22	0.036
121796	Soil	1.2	10.6	8.9	63	<0.1	72.3	17.0	1044	2.39	19.0	1.4	1.5	6.0	12	0.1	1.2	0.2	32	0.18	0.035
121797	Soil	1.2	18.2	11.9	111	<0.1	27.9	9.2	652	2.37	11.4	2.2	5.0	7.8	11	0.2	1.0	0.2	32	0.17	0.030
121798	Soil	1.0	16.1	9.4	44	0.1	12.9	4.6	158	1.56	20.8	2.3	15.0	8.5	8	0.1	2.2	0.2	24	0.09	0.022
121799	Soil	0.8	13.7	11.0	42	<0.1	12.2	4.1	138	1.68	13.4	1.7	1.9	7.6	10	<0.1	1.3	0.2	32	0.14	0.023
121800	Soil	1.2	26.5	14.5	60	0.3	19.1	7.4	239	2.38	20.1	4.3	3.9	5.6	17	<0.1	1.5	0.3	39	0.21	0.034
121801	Soil	0.8	15.9	8.6	42	<0.1	12.4	4.7	151	1.62	9.2	1.9	1.6	7.3	13	<0.1	1.0	0.1	28	0.16	0.026
121802	Soil	1.1	19.9	11.7	47	0.1	18.1	6.7	241	2.21	12.9	3.1	4.3	6.1	13	<0.1	1.1	0.2	35	0.16	0.025
121803	Soil	1.4	26.2	11.5	49	0.1	19.0	7.7	328	2.30	15.1	2.3	2.7	5.9	16	<0.1	1.5	0.2	37	0.23	0.032
121804	Soil	1.0	20.0	9.7	42	<0.1	14.9	6.2	174	1.91	11.6	2.7	4.5	6.0	13	<0.1	1.2	0.2	32	0.18	0.027
121805	Soil	1.2	27.9	12.0	52	0.2	23.6	10.0	441	2.53	12.6	4.4	2.3	3.8	23	0.1	1.1	0.2	40	0.31	0.042
121806	Soil	1.3	21.1	10.9	51	0.1	19.3	9.6	392	2.43	18.9	4.1	1.9	3.3	17	0.1	1.5	0.2	39	0.25	0.044
121807	Soil	1.5	23.2	12.1	54	0.2	19.8	9.0	311	2.64	24.6	4.7	2.4	3.9	17	0.1	2.1	0.2	40	0.26	0.043



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
100336	Soil	30	17	0.84	493	0.191	1	2.05	0.009	0.98	0.1	0.02	4.0	0.4	<0.05	9	<0.5	<0.2
100337	Soil	6	69	1.52	234	0.100	1	2.01	0.019	0.08	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
100338	Soil	9	42	1.64	667	0.236	1	2.67	0.017	0.30	<0.1	0.01	5.8	0.1	<0.05	11	<0.5	<0.2
100339	Soil	10	53	1.76	459	0.055	<1	2.57	0.010	0.15	<0.1	0.02	3.7	<0.1	<0.05	9	<0.5	<0.2
100340	Soil	8	41	1.69	387	0.040	<1	2.25	0.010	0.12	<0.1	0.02	3.7	<0.1	<0.05	9	<0.5	<0.2
100341	Soil	4	14	1.28	350	0.156	<1	2.51	0.046	0.16	<0.1	0.01	7.6	<0.1	<0.05	8	<0.5	<0.2
100342	Soil	10	27	0.77	285	0.079	1	1.89	0.017	0.06	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
121785	Soil	89	18	0.55	141	0.162	1	2.12	0.008	0.75	0.2	<0.01	6.5	0.9	<0.05	10	<0.5	<0.2
121786	Soil	60	15	0.30	111	0.076	<1	1.21	0.005	0.29	0.1	0.03	3.8	0.5	<0.05	5	<0.5	<0.2
121787	Soil	24	21	0.33	151	0.056	2	1.42	0.007	0.09	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
121788	Soil	30	262	0.82	161	0.044	1	1.12	0.007	0.06	0.2	0.04	3.0	0.2	<0.05	4	<0.5	<0.2
121789	Soil	38	173	0.71	190	0.040	2	1.48	0.007	0.07	0.2	0.12	3.6	0.2	<0.05	5	<0.5	<0.2
121790	Soil	37	160	0.65	194	0.040	1	1.43	0.008	0.07	0.2	0.11	3.5	0.2	<0.05	4	<0.5	<0.2
121791	Soil	28	229	1.05	179	0.048	1	1.38	0.008	0.06	0.2	0.06	3.1	0.2	<0.05	4	<0.5	<0.2
121792	Soil	46	293	1.14	241	0.040	1	1.31	0.008	0.05	0.2	0.08	3.8	0.2	<0.05	4	<0.5	<0.2
121793	Soil	31	254	1.26	251	0.043	2	1.42	0.009	0.06	0.2	0.09	4.2	0.2	<0.05	4	<0.5	<0.2
121794	Soil	25	157	0.86	237	0.040	2	1.19	0.009	0.05	0.2	0.08	3.4	0.2	<0.05	3	<0.5	<0.2
121795	Soil	21	103	0.63	197	0.041	1	1.06	0.008	0.05	0.2	0.03	2.5	0.1	<0.05	3	<0.5	<0.2
121796	Soil	25	101	0.61	206	0.038	<1	1.11	0.006	0.06	0.1	0.04	2.5	0.1	<0.05	4	<0.5	<0.2
121797	Soil	29	19	0.70	511	0.067	1	1.35	0.008	0.22	0.1	0.05	4.2	0.3	<0.05	5	<0.5	<0.2
121798	Soil	24	14	0.16	126	0.028	<1	0.63	0.004	0.04	<0.1	0.08	2.4	0.2	<0.05	2	<0.5	<0.2
121799	Soil	16	18	0.26	143	0.039	<1	0.99	0.006	0.04	0.1	0.07	2.2	0.1	<0.05	3	<0.5	<0.2
121800	Soil	26	22	0.28	339	0.033	<1	1.55	0.007	0.05	0.1	0.17	4.2	0.2	<0.05	5	<0.5	<0.2
121801	Soil	18	16	0.25	152	0.047	<1	0.83	0.007	0.04	<0.1	0.06	2.1	<0.1	<0.05	3	<0.5	<0.2
121802	Soil	21	20	0.26	282	0.036	<1	1.32	0.006	0.04	0.1	0.08	3.0	0.1	<0.05	4	<0.5	<0.2
121803	Soil	17	21	0.30	222	0.049	<1	1.16	0.007	0.05	0.1	0.08	3.1	0.1	<0.05	3	<0.5	<0.2
121804	Soil	17	18	0.26	207	0.042	<1	0.98	0.006	0.04	0.1	0.06	2.6	<0.1	<0.05	3	<0.5	<0.2
121805	Soil	17	24	0.35	399	0.033	<1	1.58	0.008	0.04	0.1	0.07	3.4	<0.1	<0.05	4	0.5	<0.2
121806	Soil	17	20	0.29	288	0.033	<1	1.21	0.007	0.05	0.2	0.07	3.0	0.1	<0.05	3	0.6	<0.2
121807	Soil	16	22	0.34	295	0.039	<1	1.33	0.008	0.05	0.2	0.06	2.9	0.1	<0.05	4	0.6	<0.2



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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
121808	Soil	1.2	20.4	10.2	51	0.1	17.0	6.7	255	2.18	19.2	4.1	2.8	3.7	18	0.1	1.9	0.1	38	0.30	0.044
121809	Soil	1.0	18.7	11.0	47	0.2	17.4	6.2	199	2.11	15.8	3.7	2.7	1.8	22	0.2	1.5	0.2	39	0.31	0.056
121810	Soil	0.8	18.7	7.8	62	0.1	21.2	8.3	330	2.05	9.9	2.4	1.6	3.9	26	0.2	0.8	0.1	33	0.70	0.059
121811	Soil	0.8	21.1	9.8	74	0.2	22.4	8.2	231	2.22	10.7	7.5	4.9	4.7	21	0.4	1.0	0.1	42	0.34	0.065
121812	Soil	1.4	30.4	10.1	77	0.2	28.9	9.7	394	2.60	11.1	0.5	2.0	3.8	38	0.3	0.8	0.2	42	1.13	0.063
121813	Soil	1.1	30.2	9.5	77	0.2	27.9	9.7	407	2.59	10.1	0.5	2.0	4.0	26	0.3	0.8	0.2	45	0.71	0.066
121814	Soil	1.1	32.6	9.6	72	0.1	27.3	9.2	412	2.72	11.7	0.7	2.5	4.4	27	0.5	0.9	0.2	41	0.57	0.081
121815	Soil	1.0	31.5	9.8	65	0.2	29.8	9.8	355	2.75	12.1	1.4	3.8	4.7	27	0.2	0.8	0.2	44	0.48	0.067
121816	Soil	0.9	41.2	7.6	59	0.2	29.8	7.2	549	1.89	7.5	3.5	4.6	2.3	45	0.4	1.0	0.1	34	1.35	0.070
121817	Soil	1.5	19.0	12.1	58	0.2	23.0	8.7	209	2.97	29.2	0.6	4.4	4.8	15	0.1	1.3	0.2	48	0.15	0.022
121818	Soil	1.2	31.5	10.5	61	<0.1	25.4	9.1	255	3.16	16.0	1.0	5.5	7.5	13	0.1	1.1	0.2	49	0.15	0.025
121819	Soil	0.9	27.5	11.3	64	<0.1	27.1	9.5	259	3.42	20.4	1.1	5.1	9.9	9	<0.1	1.3	0.2	43	0.08	0.024
121820	Soil	0.7	26.0	10.6	59	<0.1	28.6	11.0	286	3.69	17.3	1.6	3.5	13.2	9	<0.1	0.8	0.2	40	0.09	0.027
121821	Soil	1.7	42.4	11.5	73	0.1	36.0	11.2	215	2.89	73.4	1.6	1.5	7.0	11	0.3	2.8	0.3	51	0.04	0.041
121822	Soil	1.0	21.3	10.0	60	0.1	20.5	8.1	138	2.13	9.3	2.0	3.7	3.9	21	0.3	0.9	0.2	41	0.29	0.077
121823	Soil	1.2	15.1	7.7	60	<0.1	19.2	7.4	270	2.01	16.4	4.2	2.0	5.4	22	0.2	1.3	0.1	35	0.33	0.076
121824	Soil	0.8	53.3	6.6	70	0.1	22.6	10.3	326	2.79	7.6	0.6	1.5	3.8	28	0.2	0.6	0.1	53	0.55	0.088
121826	Soil	1.1	44.9	7.8	76	0.1	25.3	11.1	314	3.22	11.4	0.8	1.0	4.1	29	0.4	0.7	0.1	56	0.59	0.090
121827	Soil	1.4	36.1	9.3	77	0.2	33.2	10.6	501	2.94	11.3	1.1	3.1	3.4	55	0.3	1.0	0.2	47	1.82	0.077
121828	Soil	1.4	35.1	10.1	89	0.2	35.5	11.5	461	3.12	12.3	0.5	3.4	4.1	38	0.5	1.0	0.2	53	1.23	0.088
121829	Soil	0.9	40.5	9.0	83	0.2	66.6	13.8	415	2.99	11.5	0.6	2.0	4.0	28	0.5	1.0	0.1	51	0.75	0.083
121830	Soil	1.3	35.2	17.7	66	0.1	31.5	10.3	222	4.30	16.5	0.9	1.7	8.8	22	0.2	1.0	0.3	74	0.28	0.043
121831	Soil	1.2	31.2	12.7	59	0.1	28.0	11.9	671	3.40	11.8	0.9	1.6	5.4	17	0.1	0.9	0.2	70	0.21	0.034
121832	Soil	1.2	55.8	13.5	60	<0.1	33.6	11.2	270	4.02	18.0	1.1	10.0	8.6	26	0.1	1.3	0.3	76	0.39	0.023
121833	Soil	0.8	22.2	9.6	46	0.2	17.9	6.7	178	1.88	8.5	1.1	2.0	4.4	15	<0.1	0.6	0.2	38	0.21	0.032
121834	Soil	0.9	32.5	8.7	72	0.1	28.7	8.5	303	2.67	10.3	0.6	1.7	4.6	24	0.2	0.8	0.1	44	0.42	0.077
121835	Soil	1.4	31.4	10.6	92	0.2	30.0	11.1	508	3.12	12.5	0.6	1.0	4.5	32	0.7	1.1	0.2	47	0.65	0.086
121836	Soil	0.6	17.9	7.9	56	<0.1	16.9	7.8	130	1.93	9.8	2.3	4.3	4.2	29	0.2	0.6	0.1	40	0.55	0.068
121837	Soil	0.9	23.4	7.1	55	<0.1	23.2	7.4	289	1.97	8.4	0.5	20.1	3.8	21	0.2	0.7	0.1	39	0.34	0.060
121838	Soil	1.3	29.1	9.1	74	0.1	29.5	8.6	353	2.73	11.1	0.7	8.8	4.6	28	0.3	1.0	0.2	45	0.41	0.079



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
121808	Soil	14	21	0.35	281	0.038	<1	1.05	0.008	0.04	0.2	0.06	2.5	<0.1	<0.05	3	0.8	<0.2
121809	Soil	12	20	0.33	458	0.022	<1	1.28	0.008	0.04	0.2	0.10	2.6	0.1	0.07	3	0.6	<0.2
121810	Soil	15	19	0.52	301	0.045	1	0.95	0.015	0.06	0.2	0.03	2.1	<0.1	0.09	3	0.6	<0.2
121811	Soil	21	26	0.44	405	0.048	1	1.30	0.015	0.07	0.2	0.08	3.2	0.1	0.08	4	0.6	<0.2
121812	Soil	14	24	0.68	418	0.052	2	1.18	0.022	0.07	0.3	0.03	2.6	<0.1	0.08	3	<0.5	<0.2
121813	Soil	14	24	0.61	291	0.057	2	1.21	0.022	0.08	0.3	0.02	2.7	<0.1	0.07	3	<0.5	<0.2
121814	Soil	15	24	0.50	424	0.049	2	1.07	0.017	0.07	0.3	0.05	3.0	<0.1	<0.05	3	<0.5	<0.2
121815	Soil	16	24	0.42	410	0.046	2	1.18	0.016	0.06	0.3	0.05	3.1	<0.1	<0.05	3	1.0	<0.2
121816	Soil	12	20	0.41	565	0.039	3	0.93	0.014	0.05	0.3	0.05	2.4	<0.1	<0.05	3	1.6	<0.2
121817	Soil	14	24	0.31	385	0.056	<1	1.49	0.007	0.08	0.2	0.04	2.2	0.1	<0.05	4	<0.5	<0.2
121818	Soil	23	31	0.41	397	0.062	<1	1.42	0.008	0.06	0.2	0.07	4.9	<0.1	<0.05	4	<0.5	<0.2
121819	Soil	28	29	0.48	161	0.103	<1	1.57	0.006	0.31	<0.1	0.05	3.0	0.3	<0.05	5	<0.5	<0.2
121820	Soil	34	31	0.53	200	0.140	<1	1.69	0.005	0.53	<0.1	0.04	4.0	0.4	<0.05	5	<0.5	<0.2
121821	Soil	12	39	0.16	132	0.022	<1	0.65	0.003	0.09	<0.1	0.06	3.9	0.2	<0.05	3	0.7	<0.2
121822	Soil	17	24	0.32	372	0.037	<1	1.25	0.010	0.05	0.2	0.07	2.9	<0.1	0.05	4	<0.5	<0.2
121823	Soil	19	21	0.32	293	0.047	1	0.85	0.011	0.06	0.5	0.05	2.6	<0.1	0.05	3	<0.5	<0.2
121824	Soil	13	23	0.53	286	0.061	1	1.19	0.019	0.09	0.2	0.04	3.5	<0.1	<0.05	4	0.7	<0.2
121826	Soil	14	24	0.49	269	0.052	2	1.18	0.016	0.09	0.2	0.05	4.0	<0.1	0.08	4	<0.5	<0.2
121827	Soil	13	28	0.77	472	0.053	3	1.18	0.019	0.08	0.2	0.04	3.3	<0.1	0.06	4	<0.5	<0.2
121828	Soil	15	30	0.71	430	0.060	2	1.25	0.019	0.09	0.3	0.04	3.5	<0.1	0.06	4	<0.5	<0.2
121829	Soil	14	55	0.83	453	0.062	2	1.28	0.019	0.13	0.3	0.04	3.3	<0.1	<0.05	4	1.0	<0.2
121830	Soil	9	46	0.44	355	0.058	<1	3.67	0.012	0.08	<0.1	0.03	4.7	<0.1	<0.05	9	<0.5	<0.2
121831	Soil	18	38	0.38	498	0.048	<1	2.61	0.008	0.05	<0.1	0.04	5.1	<0.1	<0.05	7	<0.5	<0.2
121832	Soil	19	43	0.45	609	0.061	<1	2.96	0.009	0.07	<0.1	0.10	7.6	<0.1	<0.05	8	0.5	<0.2
121833	Soil	13	25	0.40	317	0.046	<1	1.21	0.009	0.06	0.1	0.04	3.0	0.1	<0.05	4	<0.5	<0.2
121834	Soil	14	25	0.46	353	0.052	2	1.11	0.016	0.07	0.2	0.05	3.3	<0.1	<0.05	3	<0.5	<0.2
121835	Soil	15	26	0.63	469	0.052	2	1.15	0.018	0.09	0.4	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
121836	Soil	16	21	0.36	263	0.045	1	1.05	0.014	0.05	0.2	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
121837	Soil	12	21	0.40	251	0.048	1	0.92	0.014	0.05	0.3	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
121838	Soil	14	25	0.44	414	0.050	2	1.10	0.016	0.07	0.4	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
121839	Soil	0.4	31.9	11.0	68	0.2	23.5	8.7	180	2.79	9.5	1.2	3.5	3.9	32	0.3	0.8	0.2	51	0.51	0.078
121840	Soil	0.4	31.8	10.6	65	0.2	24.2	9.3	234	2.79	9.0	1.2	5.5	3.4	36	0.2	0.7	0.2	47	0.60	0.081
121841	Soil	0.6	17.5	9.2	42	<0.1	14.2	5.3	144	1.36	5.6	0.4	3.3	3.6	12	<0.1	0.5	0.2	28	0.17	0.034
121842	Soil	0.9	44.4	13.9	51	<0.1	29.2	9.1	208	3.23	13.4	1.2	9.2	9.3	20	0.2	1.0	0.2	56	0.24	0.019
121843	Soil	1.1	40.3	12.2	69	<0.1	29.4	10.3	317	3.58	12.2	1.1	4.5	5.9	21	<0.1	0.9	0.2	63	0.25	0.029
121844	Soil	1.1	30.9	11.3	86	0.2	27.8	9.6	351	2.91	12.1	0.6	2.9	4.7	25	0.2	1.1	0.2	40	0.46	0.077
121845	Soil	0.8	31.4	9.7	60	0.2	28.7	9.3	568	2.31	10.1	2.3	4.0	3.3	39	0.3	0.9	0.2	40	0.74	0.073
121846	Soil	0.7	20.1	7.7	53	<0.1	18.7	7.2	227	2.00	6.6	0.8	1.7	3.8	25	<0.1	0.6	0.1	42	0.42	0.063
121847	Soil	1.8	35.5	11.8	73	<0.1	32.1	11.7	315	3.47	13.3	0.7	0.8	6.5	17	<0.1	0.9	0.2	60	0.18	0.027
121848	Soil	0.7	21.7	7.9	42	<0.1	19.4	5.8	158	2.03	7.3	0.7	20.4	4.0	19	<0.1	0.4	0.1	41	0.27	0.037
121849	Soil	0.8	26.0	8.9	53	<0.1	21.1	6.7	174	2.53	7.8	0.8	5.2	4.7	24	<0.1	0.6	0.1	45	0.37	0.047
121850	Soil	0.6	24.0	9.0	44	<0.1	21.4	6.5	146	2.13	7.7	0.7	7.7	3.8	27	0.1	0.5	0.1	40	0.39	0.049
121851	Soil	1.1	10.5	7.8	48	<0.1	15.4	7.6	213	2.11	9.8	0.3	3.0	2.9	18	<0.1	0.4	0.2	42	0.28	0.032
121852	Soil	1.1	26.6	8.7	51	0.1	23.5	9.7	431	2.08	9.1	0.7	2.3	2.4	40	0.2	0.6	0.1	39	0.75	0.080
121853	Soil	1.0	21.2	9.2	55	<0.1	19.7	8.5	254	2.45	10.4	0.6	10.1	3.4	17	0.1	0.6	0.2	53	0.23	0.037
121854	Soil	1.2	10.8	8.3	47	<0.1	14.5	7.1	207	2.37	9.3	0.3	1.6	2.5	13	0.2	0.5	0.2	55	0.20	0.026
121855	Soil	0.8	28.5	9.0	58	0.7	18.8	6.4	166	2.00	7.0	1.4	2.9	5.5	23	0.2	0.4	0.2	37	0.42	0.058
121856	Soil	0.7	28.8	10.0	59	0.1	24.2	8.6	220	2.38	9.7	1.1	3.3	3.3	35	0.3	0.7	0.2	46	0.54	0.065
124118	Soil	1.3	32.8	11.2	68	0.1	27.0	10.0	327	2.49	16.1	2.3	4.8	5.8	29	0.2	1.2	0.2	46	0.51	0.052
124119	Soil	0.9	23.2	9.5	59	<0.1	23.7	9.1	245	2.58	13.1	0.7	4.5	4.6	19	<0.1	0.6	0.2	46	0.27	0.041
124120	Soil	1.1	24.8	9.5	54	0.2	23.9	8.8	361	2.37	9.8	1.2	3.3	3.0	29	0.1	0.6	0.2	41	0.42	0.049
124121	Soil	1.2	33.0	9.2	54	0.2	29.7	10.0	438	2.45	9.4	2.3	4.0	2.6	33	0.2	0.8	0.2	43	0.59	0.060
124122	Soil	0.8	28.6	6.5	50	<0.1	23.1	6.1	204	2.05	7.4	1.5	5.1	3.4	22	0.1	0.6	0.1	38	0.33	0.049
124123	Soil	0.8	18.5	7.3	47	<0.1	18.0	7.2	225	2.14	8.0	1.5	3.6	3.7	17	<0.1	0.5	0.1	39	0.25	0.027
124124	Soil	1.6	46.1	8.8	44	0.3	40.6	12.8	1214	2.57	11.2	6.7	4.1	2.2	49	0.3	1.1	0.2	46	0.88	0.055
124125	Soil	0.9	25.4	8.0	41	0.2	23.0	9.1	454	2.10	8.0	2.4	5.8	2.1	34	0.2	0.6	0.1	42	0.59	0.063
124126	Soil	0.9	24.3	7.3	53	0.1	24.6	8.1	392	2.18	8.5	1.5	10.9	3.1	26	0.2	0.6	0.2	39	0.49	0.063
124127	Soil	0.7	34.3	7.6	49	0.2	32.4	10.6	518	2.22	8.1	5.9	13.2	1.7	70	0.4	0.8	0.2	38	1.19	0.058
124128	Soil	1.0	28.3	8.3	54	0.2	27.2	8.3	431	2.35	9.4	1.5	3.2	3.2	27	0.1	0.7	0.1	42	0.46	0.054
124129	Soil	1.1	27.4	9.2	56	0.1	24.6	9.4	425	2.59	10.2	1.6	3.3	3.2	28	<0.1	0.7	0.2	49	0.49	0.044



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
121839	Soil	15	28	0.48	384	0.042	1	1.44	0.016	0.05	0.2	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
121840	Soil	16	27	0.48	435	0.046	2	1.47	0.017	0.06	0.2	0.07	3.2	<0.1	<0.05	4	<0.5	<0.2
121841	Soil	10	19	0.38	160	0.043	<1	1.02	0.006	0.09	<0.1	0.01	1.9	0.1	<0.05	3	<0.5	<0.2
121842	Soil	18	37	0.40	399	0.067	<1	2.53	0.007	0.06	<0.1	0.05	7.3	<0.1	<0.05	6	<0.5	<0.2
121843	Soil	17	36	0.50	428	0.077	1	2.11	0.011	0.07	0.1	0.06	5.8	<0.1	<0.05	6	<0.5	<0.2
121844	Soil	17	23	0.48	473	0.044	<1	1.17	0.012	0.05	0.2	0.06	3.0	<0.1	<0.05	3	<0.5	<0.2
121845	Soil	15	23	0.41	511	0.040	2	1.23	0.013	0.05	0.3	0.07	3.0	<0.1	<0.05	3	0.5	<0.2
121846	Soil	14	24	0.40	306	0.050	1	1.33	0.010	0.05	0.2	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
121847	Soil	12	37	0.56	284	0.057	1	1.90	0.008	0.08	0.2	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
121848	Soil	13	24	0.39	249	0.049	1	1.29	0.009	0.05	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
121849	Soil	15	27	0.44	290	0.062	2	1.64	0.012	0.06	0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
121850	Soil	14	25	0.36	293	0.047	<1	1.50	0.009	0.05	0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
121851	Soil	9	23	0.42	166	0.047	<1	1.26	0.007	0.05	0.2	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
121852	Soil	13	23	0.41	305	0.037	<1	1.14	0.012	0.05	0.3	0.03	2.8	<0.1	<0.05	3	1.1	<0.2
121853	Soil	14	30	0.39	270	0.050	<1	1.38	0.007	0.05	0.3	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
121854	Soil	9	24	0.35	206	0.033	<1	1.37	0.005	0.04	0.2	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
121855	Soil	21	27	0.55	317	0.060	<1	1.34	0.007	0.07	0.2	0.09	3.8	0.1	<0.05	4	0.9	<0.2
121856	Soil	14	27	0.47	318	0.042	1	1.33	0.012	0.05	0.2	0.04	3.4	<0.1	<0.05	4	1.1	<0.2
124118	Soil	21	32	0.47	408	0.055	<1	1.45	0.012	0.06	0.2	0.06	4.4	0.1	<0.05	5	0.5	<0.2
124119	Soil	13	29	0.51	272	0.046	<1	1.47	0.009	0.05	0.1	0.02	3.5	<0.1	<0.05	4	0.6	<0.2
124120	Soil	16	26	0.35	352	0.047	<1	1.46	0.009	0.04	0.2	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
124121	Soil	16	25	0.45	510	0.038	1	1.59	0.012	0.04	0.2	0.06	3.1	<0.1	<0.05	4	0.6	<0.2
124122	Soil	14	22	0.41	293	0.047	1	1.29	0.011	0.04	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
124123	Soil	12	22	0.41	226	0.048	1	1.45	0.008	0.04	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
124124	Soil	19	26	0.38	651	0.031	1	1.69	0.010	0.04	0.1	0.10	3.5	<0.1	0.05	4	1.0	<0.2
124125	Soil	13	22	0.38	406	0.035	1	1.24	0.012	0.04	0.2	0.04	2.5	<0.1	<0.05	4	0.5	<0.2
124126	Soil	13	20	0.40	312	0.046	1	1.12	0.015	0.05	0.3	0.03	2.5	0.1	<0.05	3	<0.5	<0.2
124127	Soil	12	21	0.43	512	0.033	2	1.30	0.013	0.04	0.2	0.04	2.5	<0.1	0.08	3	0.6	<0.2
124128	Soil	14	25	0.43	384	0.049	1	1.38	0.013	0.05	0.2	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
124129	Soil	15	29	0.47	326	0.051	1	1.62	0.013	0.05	0.2	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
124130	Soil	0.9	29.4	8.5	62	0.2	27.7	9.0	565	2.65	9.6	3.0	2.0	2.1	35	0.3	0.7	0.2	48	0.59	0.042
124131	Soil	0.8	21.7	7.9	70	0.1	22.4	8.8	373	2.22	10.3	4.2	1.8	4.0	22	0.3	0.9	0.1	39	0.39	0.060
124132	Soil	0.9	26.5	8.6	76	0.2	28.2	9.4	431	2.36	11.8	7.8	5.0	3.6	25	0.5	1.0	0.1	41	0.46	0.059
124133	Soil	0.8	17.0	7.5	62	0.2	19.5	7.8	451	1.89	8.6	3.8	2.9	3.1	24	0.3	0.8	0.1	39	0.43	0.057
124134	Soil	1.0	22.1	7.2	58	0.1	23.0	8.2	388	2.18	8.3	0.8	6.5	2.9	32	0.3	0.7	0.1	39	0.64	0.066
124135	Soil	0.7	23.4	8.6	83	0.2	25.7	11.6	660	2.35	11.2	6.6	3.1	4.5	24	0.3	1.0	0.1	38	0.48	0.061
124136	Soil	1.0	19.9	7.6	66	0.1	23.2	9.7	525	2.64	22.0	4.8	6.3	3.9	23	0.3	1.0	0.1	41	0.39	0.070
124137	Soil	1.3	27.6	7.9	70	0.1	26.8	8.7	381	2.38	8.9	0.5	4.0	3.3	23	0.3	0.8	0.1	40	0.47	0.064
124138	Soil	1.5	31.8	8.0	67	0.2	30.3	9.1	548	2.41	9.3	0.9	2.2	2.8	40	0.4	0.9	0.1	40	0.72	0.075
124139	Soil	0.7	21.1	8.7	40	0.1	12.6	5.2	182	1.69	3.6	2.4	2.9	3.0	30	0.2	0.7	0.1	41	0.48	0.047
124140	Soil	1.1	20.7	8.3	39	0.1	13.0	7.0	412	1.68	3.2	2.5	2.2	2.7	32	0.2	0.7	0.1	39	0.54	0.051
124141	Soil	1.3	27.5	8.1	67	0.2	27.6	9.6	368	2.47	8.4	0.6	2.9	2.7	23	0.3	0.7	0.1	38	0.41	0.061
124142	Soil	1.0	28.0	8.6	61	0.2	26.9	8.7	426	2.32	8.4	1.7	4.4	2.5	45	0.2	0.7	0.1	38	0.90	0.061
124143	Soil	1.0	23.4	8.2	52	0.1	24.1	8.8	524	2.30	8.2	1.1	2.4	3.1	28	0.1	0.6	0.1	40	0.48	0.051
124144	Soil	0.8	16.3	8.4	64	0.1	16.7	6.5	282	1.96	6.1	0.6	4.4	2.9	29	0.3	0.6	0.1	33	0.45	0.066
124145	Soil	1.0	25.3	8.2	55	0.1	24.4	8.4	353	2.30	8.5	0.9	3.1	3.2	27	0.2	0.7	0.1	39	0.51	0.059
124146	Soil	1.4	30.1	9.0	77	0.1	27.9	9.3	422	2.46	9.8	0.7	1.8	3.7	43	0.4	0.9	0.2	41	1.44	0.066
124147	Soil	0.9	19.6	7.3	46	0.1	19.0	7.0	372	1.88	7.4	0.9	6.8	2.4	24	0.1	0.5	0.1	32	0.50	0.057
124148	Soil	0.8	23.9	7.3	54	<0.1	22.3	6.7	281	2.17	7.7	0.8	1.7	3.3	23	0.1	0.6	0.1	37	0.41	0.052
124149	Soil	1.0	22.2	6.2	53	<0.1	19.4	6.6	236	1.88	7.1	0.4	1.4	3.4	29	0.3	0.6	0.1	32	0.96	0.060
124150	Soil	0.8	15.6	5.5	46	<0.1	17.3	5.9	386	1.78	6.2	0.6	0.9	3.4	19	0.2	0.5	0.1	33	0.36	0.061
124151	Soil	1.7	16.5	7.7	39	0.1	16.2	8.6	506	3.39	9.7	1.0	2.4	2.2	29	0.1	0.5	0.1	42	0.51	0.065
124152	Soil	0.9	22.9	7.5	52	0.1	21.8	7.2	298	2.18	7.8	1.0	1.6	3.1	24	0.1	0.5	0.1	39	0.47	0.057
124153	Soil	1.1	26.0	7.5	60	0.1	25.3	8.2	412	2.37	8.6	0.6	2.7	3.7	26	0.3	0.7	0.1	43	0.47	0.063
145094	Soil	0.6	6.6	11.4	28	<0.1	4.9	2.7	153	1.36	9.6	0.9	0.6	9.5	6	<0.1	0.2	0.4	18	0.08	0.024
145095	Soil	0.9	12.9	10.8	44	<0.1	9.0	5.7	365	2.12	6.4	0.9	2.3	13.9	9	<0.1	0.4	0.1	31	0.12	0.039
145096	Soil	0.5	101.5	3.7	64	<0.1	15.1	15.0	465	3.67	3.5	0.6	4.8	1.7	35	<0.1	0.4	<0.1	127	0.62	0.078
145097	Soil	0.2	139.2	1.9	66	<0.1	17.6	14.3	402	3.55	2.2	0.5	1.9	1.0	26	<0.1	0.2	<0.1	105	0.55	0.056
145098	Soil	0.4	80.0	3.0	53	<0.1	19.8	15.8	499	3.36	3.1	0.5	1.0	1.3	24	<0.1	0.2	<0.1	88	0.53	0.041
145099	Soil	0.2	185.1	1.1	61	<0.1	7.1	12.8	412	3.12	1.3	0.5	0.8	0.5	20	<0.1	0.2	<0.1	82	0.57	0.103



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
124130	Soil	15	28	0.50	465	0.043	1	1.74	0.013	0.06	0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
124131	Soil	19	23	0.44	354	0.048	1	1.15	0.013	0.06	0.2	0.04	2.8	0.1	<0.05	4	0.7	<0.2
124132	Soil	20	24	0.44	471	0.039	1	1.25	0.013	0.06	0.2	0.07	3.0	0.1	<0.05	4	0.6	<0.2
124133	Soil	17	24	0.44	289	0.043	<1	1.20	0.013	0.05	0.2	0.06	2.4	0.1	<0.05	3	<0.5	<0.2
124134	Soil	13	21	0.47	370	0.042	2	1.07	0.016	0.05	0.4	0.03	2.2	<0.1	0.05	3	<0.5	<0.2
124135	Soil	20	25	0.53	420	0.045	1	1.26	0.013	0.08	0.2	0.07	3.1	0.1	0.10	4	0.9	<0.2
124136	Soil	19	23	0.43	350	0.046	<1	1.15	0.013	0.06	0.2	0.05	2.5	0.1	<0.05	3	0.5	<0.2
124137	Soil	13	21	0.56	338	0.043	<1	1.06	0.017	0.06	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
124138	Soil	13	23	0.48	474	0.039	2	1.16	0.017	0.07	0.3	0.04	2.6	<0.1	0.05	3	0.6	<0.2
124139	Soil	11	23	0.39	393	0.036	<1	1.35	0.016	0.03	0.2	0.07	2.5	0.1	0.08	4	0.8	<0.2
124140	Soil	11	23	0.37	412	0.033	<1	1.30	0.015	0.03	0.2	0.05	2.4	0.1	0.07	4	0.7	<0.2
124141	Soil	14	22	0.48	410	0.040	<1	1.20	0.014	0.05	0.2	0.05	2.4	<0.1	<0.05	3	0.5	<0.2
124142	Soil	13	21	0.59	500	0.037	1	1.13	0.016	0.05	0.2	0.06	2.3	<0.1	<0.05	3	<0.5	<0.2
124143	Soil	14	22	0.49	425	0.042	1	1.26	0.020	0.04	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
124144	Soil	12	18	0.45	320	0.039	<1	1.08	0.014	0.05	0.3	0.05	1.9	<0.1	<0.05	3	<0.5	<0.2
124145	Soil	13	21	0.44	452	0.039	<1	1.20	0.018	0.04	0.3	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
124146	Soil	13	22	0.68	469	0.048	1	1.17	0.018	0.08	0.3	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
124147	Soil	12	18	0.40	333	0.033	<1	1.08	0.020	0.04	0.2	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
124148	Soil	13	21	0.42	310	0.044	<1	1.16	0.013	0.05	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
124149	Soil	11	18	0.58	242	0.044	<1	0.83	0.017	0.08	0.2	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
124150	Soil	12	17	0.34	243	0.040	<1	0.76	0.014	0.04	0.3	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
124151	Soil	11	22	0.38	295	0.029	<1	1.30	0.012	0.04	0.1	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
124152	Soil	13	21	0.42	313	0.040	<1	1.17	0.014	0.05	0.2	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
124153	Soil	14	24	0.46	244	0.055	1	1.14	0.019	0.07	0.2	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
145094	Soil	74	7	0.10	97	0.009	<1	0.68	0.004	0.07	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
145095	Soil	59	13	0.21	144	0.012	<1	1.16	0.004	0.08	<0.1	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
145096	Soil	5	16	0.94	224	0.100	<1	1.73	0.020	0.06	<0.1	0.02	7.6	<0.1	<0.05	6	<0.5	<0.2
145097	Soil	4	21	0.93	291	0.065	<1	1.76	0.018	0.04	<0.1	0.02	8.9	<0.1	<0.05	6	<0.5	<0.2
145098	Soil	5	28	0.94	230	0.073	<1	1.86	0.021	0.04	<0.1	0.02	8.3	<0.1	<0.05	5	<0.5	<0.2
145099	Soil	2	6	1.01	352	0.109	<1	1.61	0.023	0.33	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
145100	Soil	0.7	89.7	5.4	63	<0.1	20.3	12.5	339	3.42	6.5	1.0	3.6	2.8	21	<0.1	0.5	0.1	83	0.37	0.049
145101	Soil	0.9	66.6	6.9	63	<0.1	24.2	12.3	413	3.08	7.3	0.6	1.9	3.8	22	<0.1	0.7	0.1	69	0.37	0.050
145102	Soil	0.6	35.8	6.3	49	<0.1	30.7	9.3	253	2.58	6.7	1.1	3.4	3.3	21	0.1	0.4	<0.1	62	0.35	0.046
145103	Soil	0.7	44.6	8.2	50	0.3	51.6	10.4	478	2.94	10.2	2.3	2.1	4.2	33	0.6	0.6	0.2	57	0.53	0.073
145104	Soil	0.7	32.6	8.2	60	<0.1	26.7	7.8	208	2.26	9.4	1.6	3.3	3.7	27	0.3	0.8	0.2	42	0.38	0.056
145105	Soil	1.0	26.4	7.2	55	<0.1	25.1	7.9	384	1.94	8.3	1.6	3.2	2.5	28	0.2	0.6	0.1	38	0.52	0.065
145106	Soil	1.4	28.0	9.2	68	0.1	25.8	8.6	382	2.26	10.4	0.9	1.6	3.5	33	0.5	0.8	0.1	42	0.81	0.071
145107	Soil	0.8	21.5	8.0	59	<0.1	19.7	7.7	194	2.08	8.8	0.9	5.8	3.6	26	0.3	0.6	0.1	39	0.44	0.064
145108	Soil	0.9	18.9	7.7	60	<0.1	18.8	7.4	334	1.94	8.3	1.0	5.1	2.8	34	0.2	0.6	0.1	37	0.65	0.073
145109	Soil	1.1	23.9	8.1	48	0.1	21.0	8.2	216	2.04	8.8	2.9	0.9	2.1	42	0.3	0.7	0.1	38	0.83	0.066
145110	Soil	1.2	28.3	8.9	71	0.1	25.8	9.2	392	2.29	10.5	1.0	4.7	3.5	50	0.4	0.8	0.1	42	1.74	0.069
145111	Soil	0.8	11.4	8.1	46	<0.1	14.4	6.0	235	1.50	6.9	0.3	566.8	1.1	16	0.2	0.4	0.1	35	0.22	0.036
145112	Soil	0.7	28.7	8.7	35	<0.1	21.7	9.2	262	2.04	9.6	0.7	2.8	5.3	13	<0.1	0.5	0.2	42	0.16	0.014
145113	Soil	0.7	20.3	8.3	39	<0.1	17.1	7.6	242	1.91	8.1	0.8	0.5	2.6	25	<0.1	0.4	0.1	37	0.37	0.056
145114	Soil	0.7	25.4	8.1	44	<0.1	21.7	6.9	211	1.91	8.3	1.5	5.6	2.0	40	0.3	0.6	0.1	34	0.66	0.064
145115	Soil	0.7	27.6	9.0	47	0.1	22.4	8.5	242	2.11	8.8	3.0	2.7	3.2	34	0.3	0.6	0.1	39	0.58	0.058
145116	Soil	0.8	24.7	8.5	48	0.1	20.2	7.6	268	2.00	8.0	1.6	6.7	4.0	27	0.1	0.5	0.1	37	0.44	0.055
145117	Soil	0.6	28.9	8.7	41	<0.1	24.5	8.0	402	2.02	7.4	3.9	2.1	2.8	48	0.2	0.5	0.2	37	0.79	0.060
145118	Soil	0.7	24.2	9.2	45	<0.1	19.1	7.8	379	2.08	7.8	1.9	1.9	3.9	33	0.2	0.5	0.2	38	0.53	0.053
145119	Soil	0.9	18.7	7.4	45	<0.1	18.1	7.2	215	1.85	8.5	0.6	4.7	4.2	20	0.1	0.6	0.1	38	0.33	0.061
145120	Soil	0.7	25.0	9.0	44	<0.1	19.2	7.5	194	2.01	8.9	1.1	2.4	4.6	25	0.1	0.4	0.1	37	0.38	0.047
145121	Soil	1.1	23.2	8.7	53	<0.1	20.1	8.7	389	2.05	7.4	1.8	2.5	2.6	46	0.3	0.7	0.1	42	0.94	0.061
145122	Soil	1.0	28.7	8.3	60	<0.1	26.1	9.1	382	2.24	9.0	0.5	2.5	4.0	36	0.3	0.7	0.1	46	1.18	0.070
145123	Soil	0.9	26.4	8.3	55	0.1	23.9	8.8	343	2.17	9.0	0.7	1.9	3.2	36	0.3	0.6	0.1	43	0.73	0.060
145124	Soil	0.9	27.2	7.8	49	<0.1	23.8	8.5	307	2.03	8.8	0.9	2.2	3.1	31	0.2	0.6	0.1	41	0.56	0.060
145125	Soil	0.8	27.6	8.7	51	0.1	23.9	8.8	345	2.20	8.7	1.2	1.4	3.6	35	0.2	0.7	0.1	44	0.55	0.061
145126	Soil	1.2	30.8	8.9	54	0.1	26.4	9.6	386	2.26	9.2	1.3	3.9	3.8	36	0.2	0.7	0.1	45	0.67	0.065
145127	Soil	0.4	54.2	2.8	28	<0.1	31.5	19.8	477	3.01	5.9	0.6	<0.5	1.5	16	<0.1	0.4	<0.1	78	0.55	0.069
145128	Soil	0.6	41.2	6.1	42	<0.1	32.2	13.7	239	2.35	6.5	0.6	1.0	2.6	18	<0.1	0.4	0.1	63	0.45	0.063
145129	Soil	0.6	60.3	7.9	39	<0.1	111.9	19.7	259	2.30	4.5	0.8	0.7	1.9	22	<0.1	0.3	<0.1	49	0.47	0.037



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145100	Soil	10	25	0.70	320	0.048	<1	1.87	0.011	0.05	<0.1	0.04	7.8	<0.1	<0.05	6	<0.5	<0.2
145101	Soil	12	24	0.59	348	0.051	<1	1.70	0.011	0.08	<0.1	0.04	6.3	<0.1	<0.05	5	<0.5	<0.2
145102	Soil	15	46	0.60	310	0.051	<1	1.53	0.009	0.09	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
145103	Soil	22	56	0.54	571	0.038	<1	1.67	0.009	0.06	<0.1	0.08	6.0	<0.1	<0.05	5	<0.5	<0.2
145104	Soil	13	24	0.41	372	0.047	<1	1.27	0.013	0.05	0.2	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
145105	Soil	12	22	0.38	327	0.038	<1	1.00	0.011	0.05	0.2	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
145106	Soil	12	23	0.56	384	0.046	2	1.09	0.019	0.07	0.2	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
145107	Soil	13	22	0.37	278	0.052	<1	1.09	0.014	0.06	0.1	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
145108	Soil	12	20	0.38	310	0.041	2	1.01	0.013	0.05	0.3	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
145109	Soil	10	21	0.44	355	0.034	2	1.06	0.014	0.05	0.2	0.03	2.5	<0.1	0.09	3	<0.5	<0.2
145110	Soil	12	23	0.67	396	0.045	2	1.00	0.015	0.07	0.3	0.05	3.1	<0.1	0.06	3	<0.5	<0.2
145111	Soil	7	19	0.30	271	0.024	1	1.26	0.005	0.06	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
145112	Soil	14	25	0.35	259	0.051	<1	1.49	0.005	0.05	0.2	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
145113	Soil	11	20	0.34	295	0.030	<1	1.08	0.008	0.04	0.2	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
145114	Soil	12	20	0.34	356	0.032	1	1.02	0.010	0.04	0.2	0.06	2.6	<0.1	<0.05	3	0.7	<0.2
145115	Soil	13	22	0.35	369	0.036	<1	1.17	0.011	0.04	0.2	0.04	3.2	<0.1	<0.05	3	<0.5	<0.2
145116	Soil	13	22	0.36	313	0.039	<1	1.07	0.020	0.05	0.2	0.04	3.1	<0.1	<0.05	3	<0.5	<0.2
145117	Soil	16	23	0.34	456	0.032	1	1.26	0.010	0.05	0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
145118	Soil	17	22	0.34	348	0.033	2	1.29	0.010	0.05	0.1	0.05	3.4	<0.1	<0.05	4	<0.5	<0.2
145119	Soil	12	19	0.30	186	0.044	<1	0.84	0.011	0.05	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
145120	Soil	15	21	0.33	279	0.045	<1	1.06	0.011	0.06	0.2	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
145121	Soil	12	23	0.39	330	0.052	1	1.15	0.012	0.06	0.2	0.04	3.0	<0.1	0.07	3	<0.5	<0.2
145122	Soil	13	25	0.53	232	0.062	2	1.13	0.021	0.10	0.2	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2
145123	Soil	12	24	0.45	294	0.047	1	1.12	0.016	0.06	0.2	0.04	3.1	<0.1	<0.05	3	<0.5	<0.2
145124	Soil	12	22	0.40	260	0.043	1	1.05	0.013	0.05	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
145125	Soil	13	24	0.41	307	0.050	2	1.14	0.016	0.06	0.2	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
145126	Soil	13	26	0.43	298	0.053	2	1.15	0.015	0.07	0.2	0.05	3.7	<0.1	0.06	3	<0.5	<0.2
145127	Soil	6	43	0.74	202	0.069	<1	1.49	0.026	0.03	<0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
145128	Soil	9	45	0.84	268	0.104	<1	1.54	0.015	0.08	<0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
145129	Soil	5	164	1.33	179	0.076	<1	1.85	0.013	0.07	<0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
145130	Soil																							
145131	Soil																							
145132	Soil																							
145133	Soil																							
145134	Soil																							
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145159	Soil																							



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145130	Soil	13	52	0.63	313	0.056	<1	1.42	0.011	0.05	0.1	0.07	4.4	<0.1	<0.05	4	<0.5	<0.2
145131	Soil	12	48	0.62	242	0.072	<1	1.27	0.010	0.09	0.1	0.02	3.1	<0.1	0.06	4	<0.5	<0.2
145132	Soil	11	44	0.62	238	0.053	<1	1.31	0.010	0.04	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
145133	Soil	20	76	0.90	347	0.060	<1	1.84	0.010	0.18	0.1	0.06	5.1	<0.1	<0.05	6	0.7	<0.2
145134	Soil	15	17	0.26	191	0.033	<1	0.80	0.007	0.04	0.3	0.05	2.0	<0.1	<0.05	3	<0.5	<0.2
145135	Soil	16	19	0.32	230	0.035	<1	0.91	0.008	0.04	0.3	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
145136	Soil	18	27	0.38	273	0.046	<1	1.10	0.013	0.07	0.2	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2
145137	Soil	25	27	0.37	295	0.039	<1	1.12	0.010	0.08	0.2	0.03	3.4	<0.1	<0.05	4	0.6	<0.2
145138	Soil	20	28	0.38	263	0.045	<1	1.10	0.010	0.06	0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
145139	Soil	16	30	0.45	285	0.048	<1	1.31	0.010	0.05	0.3	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
145140	Soil	15	25	0.45	348	0.041	<1	1.27	0.011	0.05	0.2	0.05	3.4	<0.1	<0.05	4	0.7	<0.2
145141	Soil	15	27	0.43	260	0.051	<1	1.08	0.012	0.06	0.3	0.03	3.2	<0.1	<0.05	3	0.6	<0.2
145142	Soil	19	24	0.45	291	0.055	1	1.17	0.014	0.08	0.3	0.04	3.4	<0.1	<0.05	4	0.5	<0.2
145143	Soil	15	29	0.65	288	0.067	1	1.29	0.020	0.09	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
145144	Soil	15	29	0.57	308	0.058	2	1.26	0.019	0.08	0.3	0.03	4.0	<0.1	<0.05	4	0.5	<0.2
145145	Soil	13	28	0.49	362	0.049	2	1.33	0.016	0.07	0.2	0.03	3.6	<0.1	<0.05	4	1.0	<0.2
145146	Soil	14	27	0.48	314	0.050	1	1.27	0.017	0.06	0.2	0.02	3.1	<0.1	<0.05	4	0.5	<0.2
145147	Soil	14	26	0.42	282	0.048	1	1.07	0.014	0.05	0.3	0.03	2.9	<0.1	<0.05	3	0.5	<0.2
145148	Soil	16	27	0.44	324	0.051	1	1.28	0.012	0.05	0.2	0.03	3.6	<0.1	<0.05	4	0.8	<0.2
145149	Soil	14	29	0.50	287	0.054	<1	1.40	0.012	0.06	0.2	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
145150	Soil	14	28	0.49	281	0.053	<1	1.32	0.013	0.06	0.2	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
145151	Soil	17	28	0.48	383	0.046	<1	1.43	0.011	0.05	0.2	0.03	4.0	<0.1	<0.05	4	0.7	<0.2
145152	Soil	16	25	0.42	319	0.046	<1	1.30	0.011	0.05	0.2	0.02	3.4	<0.1	<0.05	4	0.6	<0.2
145153	Soil	15	25	0.38	251	0.044	<1	1.27	0.008	0.05	0.2	0.02	3.3	<0.1	<0.05	4	1.0	<0.2
145154	Soil	15	24	0.44	311	0.045	<1	1.26	0.011	0.05	0.2	0.03	3.3	<0.1	<0.05	4	0.7	<0.2
145155	Soil	15	25	0.44	344	0.042	<1	1.17	0.012	0.05	0.2	0.03	3.4	<0.1	<0.05	4	0.8	<0.2
145156	Soil	20	26	0.46	357	0.057	<1	1.45	0.013	0.06	0.1	0.03	3.5	<0.1	<0.05	4	0.7	<0.2
145157	Soil	22	28	0.44	418	0.061	<1	1.62	0.012	0.07	0.1	0.04	3.9	<0.1	<0.05	5	0.6	<0.2
145158	Soil	26	28	0.42	415	0.049	<1	1.62	0.011	0.09	0.1	0.06	4.1	<0.1	<0.05	5	0.5	<0.2
145159	Soil	29	25	0.36	378	0.036	<1	1.50	0.009	0.08	<0.1	0.03	3.8	<0.1	<0.05	5	0.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
145160	Soil	1.0	38.8	22.0	85	<0.1	25.6	10.0	423	2.80	8.3	1.1	3.8	9.9	20	0.1	0.7	0.2	48	0.28	0.035
145161	Soil	0.9	16.9	7.9	45	<0.1	17.4	8.2	261	2.03	7.4	0.9	32.5	11.9	13	<0.1	1.1	0.2	32	0.23	0.029
145162	Soil	1.0	19.1	12.1	58	<0.1	18.8	9.1	216	2.41	7.5	1.3	4.0	16.5	15	<0.1	0.8	0.3	41	0.23	0.030
145163	Soil	0.9	16.3	10.9	42	<0.1	17.1	6.4	168	2.25	7.8	1.1	3.6	6.8	14	<0.1	0.6	0.2	46	0.19	0.014
145164	Soil	0.8	7.1	9.6	48	<0.1	8.7	4.5	351	1.72	2.7	1.2	2.4	11.8	12	<0.1	0.5	0.2	24	0.16	0.019
145165	Soil	0.9	26.8	10.1	75	<0.1	21.2	10.1	324	3.32	7.4	1.5	2.3	17.0	13	<0.1	0.7	0.2	51	0.21	0.031
145166	Soil	1.1	18.0	11.8	75	<0.1	17.2	8.4	350	3.11	11.9	2.6	2.0	14.5	12	<0.1	1.1	0.8	42	0.18	0.028
145167	Soil	1.0	10.2	10.1	44	0.1	16.5	7.6	224	2.28	7.5	0.4	3.5	4.9	13	<0.1	0.6	0.2	47	0.18	0.019
145168	Soil	0.7	15.9	9.3	49	<0.1	19.6	9.1	487	2.55	9.5	0.7	1.5	7.5	17	<0.1	0.7	0.2	45	0.21	0.023
145169	Soil	1.1	17.3	10.6	83	<0.1	18.0	12.0	475	3.90	10.9	1.5	0.8	10.9	16	<0.1	0.7	0.1	55	0.28	0.078
145170	Soil	0.6	9.5	5.6	61	<0.1	13.6	17.8	334	3.46	7.5	0.3	0.8	5.0	17	<0.1	0.4	<0.1	81	0.36	0.103
145171	Soil	0.8	20.2	12.0	61	<0.1	23.2	10.1	307	3.29	8.6	0.9	0.9	8.7	10	<0.1	0.9	0.3	45	0.12	0.025
145172	Soil	0.5	20.7	10.8	58	0.1	22.5	8.7	230	2.82	7.3	1.3	2.7	13.3	14	<0.1	0.8	0.2	40	0.16	0.026
145173	Soil	0.6	13.7	13.4	57	<0.1	20.3	9.7	271	3.18	8.6	0.6	0.8	7.2	9	<0.1	0.6	0.3	42	0.08	0.021
145174	Soil	0.8	8.9	10.6	47	<0.1	13.0	5.9	214	2.34	7.3	0.4	3.2	3.9	12	<0.1	0.5	0.2	49	0.11	0.022
145175	Soil	0.8	12.0	12.0	57	<0.1	16.3	9.9	539	2.93	6.1	0.6	0.7	5.5	9	<0.1	0.5	0.2	47	0.08	0.025
145176	Soil	0.5	18.8	11.2	51	<0.1	19.7	8.7	217	2.51	14.1	1.0	2.2	13.5	10	<0.1	0.6	0.2	37	0.09	0.016
145177	Soil	0.9	16.1	13.6	54	<0.1	17.3	8.2	271	2.84	14.6	0.8	1.1	6.1	13	<0.1	1.7	0.2	35	0.06	0.019
145178	Soil	0.8	26.5	24.0	84	<0.1	27.6	14.5	374	3.85	38.1	1.4	<0.5	13.6	7	<0.1	2.9	0.3	28	0.03	0.020
145179	Soil	0.6	33.2	15.8	67	<0.1	133.6	19.0	350	4.10	56.4	1.3	1.4	10.5	18	<0.1	11.2	0.3	59	0.14	0.018
145180	Soil	0.9	23.6	18.7	83	<0.1	24.2	10.8	436	3.93	21.6	1.4	1.2	10.6	16	<0.1	2.3	0.3	48	0.10	0.027
145181	Soil	0.2	24.8	13.3	68	<0.1	22.2	10.9	326	3.08	16.8	1.5	<0.5	17.6	5	<0.1	0.7	0.3	18	0.03	0.024
145182	Soil	0.4	22.7	31.7	80	<0.1	26.3	13.1	440	4.12	7.8	0.9	0.9	18.7	6	<0.1	0.8	0.6	44	0.05	0.011
145183	Soil	1.0	15.3	14.8	51	<0.1	15.3	6.4	240	2.74	28.1	0.8	5.3	7.1	8	<0.1	2.5	0.3	47	0.08	0.032
145184	Soil	0.7	31.4	12.1	55	<0.1	24.7	11.5	266	2.98	10.5	1.5	4.0	22.7	13	<0.1	0.7	0.2	46	0.12	0.018
145185	Soil	0.8	20.4	10.5	51	<0.1	21.4	7.7	195	2.81	9.7	0.9	1.2	10.8	13	<0.1	0.7	0.2	46	0.15	0.023
145186	Soil	0.7	8.9	10.2	37	<0.1	12.9	5.6	149	2.29	7.0	0.4	2.2	3.9	10	<0.1	0.5	0.2	46	0.10	0.014
145187	Soil	0.5	26.1	22.0	81	<0.1	30.0	14.0	300	4.43	11.8	1.5	<0.5	18.5	8	<0.1	1.5	0.4	39	0.13	0.047
145188	Soil	0.6	17.6	13.6	64	<0.1	21.2	9.4	305	3.17	9.6	0.8	0.7	9.0	15	<0.1	1.1	0.2	41	0.21	0.046
145189	Soil	0.6	16.1	7.8	74	0.2	24.5	15.5	320	3.21	10.8	0.4	<0.5	4.2	12	0.1	1.1	<0.1	60	0.23	0.092



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145160	Soil	36	43	0.58	397	0.055	<1	1.59	0.009	0.11	0.1	0.04	5.2	0.1	<0.05	5	0.9	<0.2
145161	Soil	18	41	0.61	214	0.086	<1	1.23	0.007	0.18	0.3	0.02	2.8	0.2	<0.05	4	0.8	<0.2
145162	Soil	21	31	0.57	215	0.083	<1	1.55	0.008	0.19	0.4	0.04	3.3	0.2	<0.05	5	0.8	<0.2
145163	Soil	17	26	0.42	235	0.054	<1	1.35	0.007	0.07	0.2	0.02	3.0	<0.1	<0.05	4	0.8	<0.2
145164	Soil	7	17	0.29	136	0.077	<1	0.82	0.004	0.31	0.4	<0.01	2.0	0.4	<0.05	5	0.8	<0.2
145165	Soil	66	50	0.85	212	0.156	<1	1.93	0.006	0.52	0.3	0.03	4.0	0.4	<0.05	7	0.6	<0.2
145166	Soil	9	28	0.65	202	0.113	<1	1.70	0.006	0.62	0.5	0.02	3.3	0.7	<0.05	8	0.7	<0.2
145167	Soil	11	30	0.47	243	0.066	<1	1.32	0.006	0.16	0.2	0.02	2.3	0.1	<0.05	5	0.6	<0.2
145168	Soil	24	31	0.53	304	0.075	2	1.36	0.010	0.21	0.1	0.03	3.3	0.1	<0.05	4	<0.5	<0.2
145169	Soil	13	50	1.29	225	0.137	2	2.30	0.006	0.95	0.2	0.01	2.9	0.4	<0.05	8	<0.5	<0.2
145170	Soil	6	157	1.78	261	0.154	2	2.45	0.006	1.14	0.1	<0.01	2.5	0.6	<0.05	7	<0.5	<0.2
145171	Soil	12	29	0.63	136	0.139	1	1.73	0.006	0.49	0.1	<0.01	2.5	0.4	<0.05	5	<0.5	<0.2
145172	Soil	89	28	0.60	124	0.110	2	1.46	0.005	0.37	0.1	0.02	2.7	0.3	<0.05	4	<0.5	<0.2
145173	Soil	9	29	0.61	158	0.125	<1	1.68	0.005	0.43	<0.1	<0.01	2.6	0.3	<0.05	5	<0.5	<0.2
145174	Soil	16	22	0.37	161	0.054	<1	1.34	0.006	0.08	0.1	<0.01	1.6	0.1	<0.05	5	<0.5	<0.2
145175	Soil	9	25	0.47	178	0.087	<1	1.65	0.005	0.27	0.1	0.02	2.0	0.3	<0.05	6	<0.5	<0.2
145176	Soil	36	25	0.49	120	0.074	<1	1.24	0.006	0.16	<0.1	0.01	2.4	0.2	<0.05	4	<0.5	<0.2
145177	Soil	11	20	0.26	102	0.037	1	0.97	0.003	0.14	<0.1	0.02	2.3	0.2	<0.05	4	<0.5	<0.2
145178	Soil	15	23	0.13	94	0.005	2	0.82	0.002	0.08	<0.1	0.03	3.8	0.4	<0.05	4	0.6	<0.2
145179	Soil	27	191	0.82	173	0.076	3	1.61	0.004	0.15	<0.1	0.05	7.7	0.4	<0.05	5	0.5	<0.2
145180	Soil	13	24	0.35	172	0.044	2	1.41	0.003	0.15	<0.1	0.03	3.8	0.3	<0.05	5	0.6	<0.2
145181	Soil	47	15	0.21	65	0.026	1	0.80	0.002	0.21	<0.1	0.01	4.2	0.4	<0.05	3	<0.5	<0.2
145182	Soil	38	44	0.83	156	0.187	<1	2.22	0.004	0.87	<0.1	0.01	5.8	0.8	<0.05	8	0.7	<0.2
145183	Soil	10	17	0.27	77	0.072	<1	1.03	0.003	0.18	0.1	<0.01	1.6	0.3	<0.05	6	<0.5	<0.2
145184	Soil	119	32	0.53	196	0.080	2	1.85	0.007	0.17	<0.1	0.02	3.1	0.2	<0.05	5	0.6	<0.2
145185	Soil	44	27	0.53	153	0.090	1	1.68	0.005	0.20	0.1	0.01	2.4	0.2	<0.05	5	<0.5	<0.2
145186	Soil	10	21	0.34	117	0.063	<1	1.20	0.004	0.09	<0.1	<0.01	1.6	0.1	<0.05	5	<0.5	<0.2
145187	Soil	48	36	0.82	200	0.183	<1	2.08	0.005	0.64	<0.1	0.01	4.3	0.6	<0.05	7	0.6	<0.2
145188	Soil	25	30	0.67	159	0.171	<1	1.62	0.005	0.71	<0.1	<0.01	2.4	0.5	<0.05	6	<0.5	<0.2
145189	Soil	7	83	1.21	349	0.137	1	2.38	0.007	0.34	0.1	0.01	2.0	0.2	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
145190	Soil	0.7	25.0	7.1	79	<0.1	24.2	17.1	508	4.25	18.4	1.0	<0.5	10.1	16	<0.1	2.3	<0.1	70	0.43	0.106
145191	Soil	0.7	23.2	9.8	46	<0.1	18.6	7.9	309	2.35	10.4	1.4	4.1	6.7	21	<0.1	0.6	0.2	47	0.25	0.020
145192	Soil	0.6	21.6	8.8	49	<0.1	25.9	9.0	281	2.32	9.5	1.4	2.3	17.0	20	0.1	0.7	0.2	43	0.26	0.032
145193	Soil	1.8	6.6	9.1	66	<0.1	10.0	7.1	341	2.66	6.1	1.2	<0.5	12.4	12	<0.1	1.3	0.1	33	0.22	0.062
145194	Soil	0.7	16.0	9.1	41	<0.1	17.5	6.8	222	2.07	7.3	1.0	8.2	9.6	15	<0.1	0.6	0.2	40	0.19	0.025
145195	Soil	0.9	19.1	12.0	42	0.2	15.6	6.7	313	1.94	8.5	2.4	2.8	18.0	17	<0.1	1.2	0.4	35	0.21	0.032
145196	Soil	0.8	22.8	12.9	84	<0.1	18.6	9.8	441	3.72	22.0	1.0	<0.5	11.0	18	<0.1	1.3	0.3	46	0.29	0.061
146054	Soil	0.7	26.7	10.3	62	0.1	21.8	9.1	396	2.27	10.1	1.1	3.0	4.6	26	0.1	0.7	0.2	42	0.53	0.059
146055	Soil	0.6	21.8	9.9	59	0.2	19.4	8.4	451	2.10	9.0	1.2	1.8	3.9	26	0.2	0.7	0.2	41	0.40	0.050
146056	Soil	0.8	26.3	10.0	64	0.1	21.2	7.9	309	2.19	9.7	1.0	2.6	3.6	27	0.2	0.9	0.2	42	0.38	0.054
146057	Soil	0.8	30.2	22.7	132	0.1	25.5	9.0	344	2.73	15.8	1.1	1.7	6.0	24	0.2	1.3	0.2	50	0.32	0.045
146058	Soil	0.3	140.6	9.9	96	<0.1	27.8	12.9	482	2.97	10.7	1.0	4.7	4.2	15	<0.1	3.7	0.1	58	0.24	0.016
146059	Soil	0.7	35.3	24.2	367	0.5	58.1	12.6	2759	3.56	23.1	0.8	3.5	7.7	12	1.6	1.6	0.2	59	0.60	0.071
146060	Soil	0.8	34.7	12.4	71	0.2	31.0	9.9	281	2.73	13.5	0.9	3.8	5.9	17	<0.1	0.9	0.2	56	0.19	0.015
146061	Soil	1.2	43.4	12.3	128	0.1	45.9	10.8	1064	3.16	32.6	1.6	4.3	6.5	16	0.3	3.4	0.2	46	0.12	0.020
146062	Soil	0.5	95.0	5.6	106	<0.1	28.0	13.9	1089	4.63	3.6	0.8	<0.5	5.1	13	<0.1	0.2	0.1	98	0.16	0.036
146063	Soil	1.2	40.5	14.3	95	<0.1	33.8	11.0	569	3.38	14.6	1.6	3.5	6.8	15	<0.1	0.9	0.2	63	0.15	0.022
146064	Soil	0.9	49.6	13.3	83	<0.1	29.1	10.2	634	3.26	17.4	1.1	3.6	7.6	20	0.1	0.8	0.2	52	0.25	0.022
146065	Soil	0.7	35.5	9.6	68	<0.1	23.4	8.7	410	2.61	10.9	1.0	5.1	4.6	22	<0.1	0.7	0.1	50	0.29	0.046
146066	Soil	1.2	46.1	12.6	81	<0.1	34.0	10.8	515	3.24	13.5	1.5	1.5	5.5	24	<0.1	0.8	0.2	60	0.27	0.025
146067	Soil	1.0	40.3	10.8	79	<0.1	29.8	8.0	278	3.06	16.2	1.8	3.4	5.6	21	<0.1	0.9	0.2	50	0.27	0.048
146068	Soil	0.8	39.2	11.2	76	0.1	25.1	8.7	309	2.92	11.5	1.9	4.6	5.5	26	<0.1	0.8	0.2	52	0.32	0.040
146069	Soil	1.0	49.9	12.9	94	0.2	29.8	10.8	637	3.20	13.0	1.5	1.2	5.3	26	0.2	0.9	0.2	56	0.32	0.041
146070	Soil	0.9	22.9	15.7	90	0.1	19.8	6.7	245	2.66	13.0	1.1	2.8	4.6	17	0.2	0.9	0.2	48	0.18	0.037
146071	Soil	1.1	19.4	9.6	63	<0.1	15.2	7.8	248	2.45	12.2	1.2	<0.5	5.0	17	0.1	0.9	0.2	43	0.21	0.051
146072	Soil	0.8	22.9	9.8	63	<0.1	16.1	6.8	254	2.24	10.9	1.5	1.3	4.4	18	0.1	1.0	0.1	41	0.23	0.044
146073	Soil	0.9	23.7	11.4	69	0.1	18.5	7.0	226	2.69	14.3	1.5	3.7	4.2	21	0.1	1.0	0.2	44	0.23	0.046
146074	Soil	1.0	30.9	10.9	67	0.2	21.2	7.0	291	2.49	15.7	1.5	<0.5	5.3	23	<0.1	1.2	0.2	44	0.27	0.047
146075	Soil	0.7	24.8	8.5	59	<0.1	18.0	6.1	190	2.30	11.7	1.2	1.7	5.0	21	<0.1	0.8	0.1	41	0.23	0.041
146076	Soil	1.1	36.6	12.2	83	0.2	28.1	9.0	303	3.21	15.2	1.7	10.0	6.2	27	0.1	0.9	0.2	54	0.36	0.058



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
145190	Soil	23	78	1.72	430	0.162	<1	2.78	0.007	1.11	0.1	0.01	3.8	0.5	<0.05	8	0.6
145191	Soil	25	29	0.49	294	0.071	1	1.27	0.011	0.08	0.1	0.05	4.1	<0.1	<0.05	4	<0.5
145192	Soil	51	38	0.51	333	0.066	1	1.32	0.010	0.08	0.2	0.04	3.6	0.1	<0.05	4	<0.5
145193	Soil	11	21	0.53	153	0.090	1	1.19	0.004	0.45	0.2	0.01	2.9	0.5	<0.05	6	<0.5
145194	Soil	29	26	0.42	300	0.050	1	1.26	0.008	0.07	0.1	0.03	2.7	<0.1	<0.05	4	0.6
145195	Soil	79	26	0.38	339	0.051	2	1.22	0.008	0.09	0.2	0.08	3.7	0.1	<0.05	4	0.5
145196	Soil	17	32	0.97	307	0.205	<1	2.11	0.006	0.82	0.3	<0.01	4.7	0.6	<0.05	9	<0.5
146054	Soil	17	23	0.47	393	0.053	1	1.31	0.012	0.07	0.2	0.04	3.1	<0.1	<0.05	4	0.6
146055	Soil	15	23	0.40	420	0.042	<1	1.36	0.010	0.04	0.2	0.05	2.8	<0.1	<0.05	4	<0.5
146056	Soil	17	23	0.42	383	0.047	<1	1.23	0.013	0.05	0.2	0.04	2.8	<0.1	<0.05	4	<0.5
146057	Soil	19	36	0.51	339	0.071	<1	1.49	0.010	0.09	0.2	0.04	4.2	0.2	<0.05	5	0.5
146058	Soil	17	18	1.32	1395	0.113	<1	2.36	0.016	0.61	<0.1	0.04	8.2	0.2	<0.05	9	<0.5
146059	Soil	30	30	0.95	395	0.058	<1	1.73	0.006	0.09	0.2	0.05	5.7	1.0	<0.05	5	1.0
146060	Soil	21	32	0.45	323	0.066	<1	1.82	0.007	0.05	0.1	0.05	4.9	0.2	<0.05	5	0.6
146061	Soil	22	26	0.33	332	0.050	<1	1.39	0.005	0.05	0.2	0.13	6.4	1.1	<0.05	4	1.0
146062	Soil	26	14	1.63	1668	0.302	<1	3.01	0.008	1.27	0.1	0.03	11.7	0.2	<0.05	10	1.0
146063	Soil	19	30	0.42	339	0.088	1	2.16	0.006	0.07	<0.1	0.03	5.4	0.3	<0.05	6	0.7
146064	Soil	20	23	0.55	665	0.084	1	1.62	0.008	0.17	0.1	0.05	5.8	0.2	<0.05	6	0.9
146065	Soil	16	25	0.44	456	0.072	1	1.43	0.009	0.06	0.2	0.05	4.5	<0.1	<0.05	4	<0.5
146066	Soil	19	29	0.45	543	0.092	<1	1.83	0.007	0.10	<0.1	0.04	5.5	0.2	<0.05	6	<0.5
146067	Soil	16	26	0.36	365	0.065	<1	1.39	0.007	0.08	0.1	0.05	4.7	0.1	<0.05	4	1.2
146068	Soil	18	28	0.45	485	0.079	1	1.78	0.010	0.08	0.1	0.05	5.3	0.1	<0.05	5	0.9
146069	Soil	18	29	0.42	507	0.079	<1	1.86	0.009	0.08	0.1	0.04	5.4	0.2	<0.05	6	<0.5
146070	Soil	16	24	0.34	298	0.063	1	1.47	0.007	0.07	0.2	0.03	3.4	0.1	<0.05	4	<0.5
146071	Soil	15	22	0.30	239	0.056	1	1.25	0.006	0.04	0.2	0.02	3.3	<0.1	<0.05	4	0.6
146072	Soil	17	23	0.32	282	0.054	1	1.31	0.007	0.04	0.2	0.03	3.4	<0.1	<0.05	4	<0.5
146073	Soil	18	24	0.32	319	0.056	1	1.42	0.007	0.06	<0.1	0.03	3.9	0.1	<0.05	4	0.8
146074	Soil	17	24	0.32	369	0.060	1	1.42	0.009	0.06	0.1	0.06	4.3	0.1	<0.05	4	1.2
146075	Soil	18	24	0.34	358	0.058	<1	1.24	0.007	0.06	0.1	0.02	3.6	<0.1	<0.05	4	0.6
146076	Soil	18	31	0.41	398	0.074	1	1.69	0.013	0.10	0.1	0.04	4.7	0.1	<0.05	5	1.0



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CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
146077	Soil				0.7	38.1	10.9	73	0.2	24.7	8.9	315	2.64	11.0	3.6	1.5	3.9	28	0.2	0.6	0.2	45	0.32	0.054
146078	Soil				0.9	42.6	9.9	68	0.2	24.9	10.2	509	2.92	12.4	2.5	3.7	4.9	26	0.1	0.6	0.2	51	0.32	0.057
146079	Soil				1.0	47.3	10.6	76	0.1	29.2	9.2	287	2.96	12.0	2.6	7.8	4.7	31	<0.1	0.8	0.2	49	0.35	0.050
146080	Soil				0.7	30.6	10.2	68	0.2	23.4	6.2	149	2.60	7.4	2.1	1.3	7.7	21	0.1	0.5	0.2	42	0.27	0.044
146081	Soil				1.1	37.0	13.1	92	0.1	31.8	7.6	165	3.26	8.7	2.1	2.8	9.9	26	<0.1	0.9	0.3	42	0.20	0.044
146082	Soil				0.7	30.8	10.3	56	0.1	23.0	6.4	173	2.61	10.4	2.5	1.8	5.0	28	<0.1	0.7	0.2	42	0.31	0.038
146083	Soil				1.0	37.5	10.9	68	0.2	26.0	6.5	244	2.60	11.3	2.7	2.5	6.1	26	0.2	0.8	0.2	42	0.21	0.031
146084	Soil				1.0	31.3	11.6	62	0.1	22.3	7.5	144	3.36	18.8	2.5	2.3	9.6	25	0.2	0.8	0.2	42	0.32	0.046
146085	Soil				0.2	12.8	4.9	54	<0.1	26.8	17.4	353	3.24	1.4	0.3	<0.5	1.2	44	<0.1	0.1	<0.1	70	0.98	0.077
146086	Soil				0.3	31.9	8.7	81	<0.1	18.8	11.4	304	4.75	4.0	1.4	2.9	7.2	26	0.1	0.2	0.1	89	0.50	0.060
146087	Soil				0.4	33.4	6.5	95	<0.1	28.5	19.5	848	4.87	2.0	0.7	0.8	2.7	35	<0.1	0.4	<0.1	87	0.67	0.084
146088	Soil				0.2	162.3	2.3	79	<0.1	19.8	20.9	635	5.80	2.0	0.7	<0.5	1.5	29	<0.1	0.7	<0.1	115	0.62	0.096
146089	Soil				0.3	204.0	2.6	92	<0.1	10.0	15.5	650	5.60	2.8	0.6	2.0	1.1	22	<0.1	0.6	<0.1	144	0.74	0.104
146090	Soil				0.3	187.4	2.1	82	<0.1	7.6	15.4	663	4.98	2.7	0.5	0.7	0.8	18	0.1	0.5	<0.1	131	0.75	0.117
146091	Soil				0.4	161.9	3.4	91	<0.1	16.3	17.4	583	5.37	3.2	0.7	1.9	1.8	26	<0.1	0.4	<0.1	138	0.70	0.092
146092	Soil				0.9	53.0	8.9	63	<0.1	23.1	11.5	362	3.37	9.6	0.6	16.4	4.4	24	<0.1	0.6	0.2	68	0.43	0.054
146093	Soil				0.6	70.0	6.8	60	<0.1	18.4	11.2	314	3.55	7.9	0.9	4.3	3.6	27	<0.1	0.5	<0.1	79	0.44	0.053
146094	Soil				0.7	58.3	8.2	66	<0.1	22.7	12.5	301	3.16	8.8	1.4	4.6	3.5	35	0.3	0.7	0.1	68	0.68	0.068
146095	Soil				0.9	31.0	8.5	66	0.1	24.8	8.7	410	2.55	10.3	0.7	3.5	4.1	46	0.4	0.7	0.2	44	1.60	0.078
146096	Soil				1.4	32.7	10.3	88	0.2	30.0	9.9	366	2.95	12.0	0.6	4.0	4.5	31	0.4	1.0	0.2	50	0.60	0.080
146097	Soil				0.6	10.5	7.8	47	<0.1	13.9	6.4	240	2.14	8.9	3.1	5.5	4.5	21	0.1	0.5	0.2	33	0.35	0.052
146098	Soil				0.8	25.0	8.0	53	0.1	25.0	8.3	396	2.24	8.3	0.9	6.8	3.6	29	0.2	0.6	0.2	41	0.54	0.055
146099	Soil				0.9	23.8	8.0	46	0.1	22.9	8.6	457	2.16	7.7	1.2	4.8	2.7	41	0.2	0.6	0.2	40	0.70	0.065
146100	Soil				0.8	29.4	8.4	63	0.1	26.8	9.3	399	2.38	8.5	1.3	4.8	3.5	45	0.3	0.7	0.2	46	1.07	0.056
146101	Soil				0.9	26.2	7.8	50	0.1	24.6	8.3	449	2.09	7.4	1.1	4.7	3.0	30	0.2	0.6	0.1	40	0.56	0.060
146102	Soil				0.8	23.1	8.2	57	0.1	21.9	9.8	607	2.10	6.5	0.9	5.7	2.8	27	0.3	0.6	0.1	36	0.48	0.058
146103	Soil				0.6	24.3	8.5	65	0.1	21.5	8.1	341	1.96	6.2	1.3	2.6	3.7	34	0.3	0.6	0.1	42	0.59	0.063
146104	Soil				1.1	27.4	8.6	67	0.2	28.1	8.8	351	2.42	7.6	3.1	3.3	2.8	47	0.4	0.7	0.2	43	0.76	0.069
146105	Soil				1.2	26.9	8.4	62	0.1	28.3	9.2	458	2.39	8.0	3.8	5.6	3.0	40	0.3	0.7	0.2	44	0.71	0.072
146106	Soil				1.4	29.4	8.9	76	0.1	29.3	9.0	420	2.41	9.3	0.6	3.6	3.7	40	0.4	0.9	0.1	40	1.28	0.064



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
146077	Soil	18	24	0.49	570	0.055	1	1.71	0.008	0.08	0.1	0.04	4.3	0.2	<0.05	5	0.7
146078	Soil	19	29	0.41	630	0.057	<1	1.74	0.009	0.08	0.1	0.06	5.1	0.1	<0.05	5	0.8
146079	Soil	20	27	0.45	647	0.058	1	1.80	0.011	0.10	<0.1	0.06	4.7	0.1	<0.05	5	0.6
146080	Soil	24	25	0.38	315	0.057	<1	1.41	0.007	0.16	<0.1	0.03	4.2	0.2	<0.05	4	0.8
146081	Soil	26	23	0.27	277	0.035	1	1.25	0.006	0.13	<0.1	0.03	4.7	0.2	<0.05	4	1.0
146082	Soil	17	24	0.35	456	0.046	<1	1.54	0.009	0.06	0.1	0.06	3.8	<0.1	<0.05	5	0.8
146083	Soil	16	22	0.26	350	0.034	<1	1.46	0.006	0.08	<0.1	0.07	4.6	0.2	<0.05	4	1.1
146084	Soil	28	24	0.30	290	0.032	<1	1.85	0.007	0.14	<0.1	0.35	4.7	0.1	<0.05	6	0.6
146085	Soil	4	92	1.48	402	0.190	<1	2.31	0.028	0.17	<0.1	0.02	4.6	<0.1	<0.05	6	0.5
146086	Soil	20	38	1.27	512	0.114	<1	2.69	0.011	0.35	<0.1	0.02	5.7	0.1	<0.05	9	0.7
146087	Soil	10	72	1.66	556	0.085	1	2.56	0.014	0.28	<0.1	0.03	7.6	0.1	<0.05	9	<0.5
146088	Soil	5	16	1.37	370	0.010	1	2.47	0.008	0.10	<0.1	0.02	7.6	<0.1	<0.05	9	0.6
146089	Soil	5	10	0.95	301	0.114	<1	2.22	0.037	0.09	<0.1	0.03	12.4	<0.1	<0.05	9	0.6
146090	Soil	4	8	0.86	242	0.095	<1	2.07	0.042	0.08	<0.1	0.02	11.9	<0.1	<0.05	8	0.5
146091	Soil	8	15	0.92	324	0.068	<1	2.32	0.026	0.05	<0.1	<0.01	10.5	<0.1	<0.05	9	0.6
146092	Soil	15	27	0.51	328	0.072	1	1.83	0.015	0.06	<0.1	0.04	5.2	<0.1	<0.05	6	<0.5
146093	Soil	13	25	0.63	301	0.065	<1	1.76	0.019	0.05	<0.1	0.03	6.2	<0.1	<0.05	5	0.9
146094	Soil	14	25	0.54	330	0.068	1	1.62	0.018	0.05	0.1	0.03	4.4	<0.1	<0.05	5	0.9
146095	Soil	14	22	0.69	385	0.055	1	1.08	0.018	0.08	0.3	0.05	3.1	<0.1	<0.05	3	<0.5
146096	Soil	15	26	0.60	425	0.054	2	1.20	0.017	0.09	0.3	0.04	3.5	<0.1	<0.05	4	<0.5
146097	Soil	19	19	0.34	248	0.036	1	1.17	0.010	0.04	0.2	0.05	2.0	<0.1	0.06	4	<0.5
146098	Soil	14	23	0.51	199	0.057	2	1.18	0.021	0.07	0.2	0.02	2.3	<0.1	<0.05	3	<0.5
146099	Soil	13	21	0.42	310	0.045	2	1.18	0.015	0.05	0.3	0.04	2.3	<0.1	0.07	4	0.6
146100	Soil	13	24	0.59	241	0.060	2	1.25	0.022	0.08	0.2	0.04	2.5	<0.1	0.06	4	<0.5
146101	Soil	14	21	0.40	296	0.046	2	1.06	0.015	0.05	0.3	0.04	2.2	<0.1	0.05	3	0.6
146102	Soil	13	21	0.42	363	0.034	<1	1.12	0.013	0.05	0.2	0.04	2.2	<0.1	<0.05	3	<0.5
146103	Soil	15	22	0.44	326	0.048	1	1.17	0.017	0.06	0.2	0.04	2.3	<0.1	0.05	4	<0.5
146104	Soil	13	25	0.50	478	0.037	2	1.36	0.016	0.06	0.3	0.04	2.4	<0.1	0.07	4	0.9
146105	Soil	15	27	0.50	493	0.039	2	1.29	0.017	0.06	0.4	0.04	2.4	<0.1	0.07	4	1.0
146106	Soil	13	22	0.67	417	0.045	2	1.06	0.017	0.07	0.2	0.04	2.2	<0.1	0.05	3	<0.5



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
146107	Soil																							
146108	Soil																							
146109	Soil																							
146110	Soil																							
146111	Soil																							
146112	Soil																							
146113	Soil																							
146114	Soil																							
146115	Soil																							
146116	Soil																							
146117	Soil																							
146118	Soil																							
146119	Soil																							
146120	Soil																							
146121	Soil																							
146122	Soil																							
146123	Soil																							
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146130	Soil																							
146131	Soil																							
146132	Soil																							
146133	Soil																							
146134	Soil																							
146135	Soil																							
146136	Soil																							



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
146107	Soil	13	21	0.49	351	0.045	2	1.04	0.017	0.06	0.3	0.04	2.1	<0.1	<0.05	3	<0.5
146108	Soil	14	25	0.53	370	0.044	1	1.28	0.016	0.06	0.3	0.03	2.4	<0.1	<0.05	4	<0.5
146109	Soil	23	48	0.72	449	0.065	1	1.88	0.013	0.15	0.1	0.03	3.4	0.1	<0.05	6	<0.5
146110	Soil	18	24	0.41	287	0.050	<1	1.25	0.012	0.06	0.2	0.02	2.5	<0.1	<0.05	4	<0.5
146111	Soil	16	26	0.50	380	0.051	1	1.42	0.017	0.07	0.2	0.04	2.9	<0.1	<0.05	4	<0.5
146112	Soil	18	30	0.40	271	0.040	<1	1.24	0.010	0.06	0.2	0.02	2.6	<0.1	<0.05	4	<0.5
146113	Soil	21	25	0.42	345	0.043	<1	1.93	0.012	0.11	<0.1	0.04	3.5	0.1	<0.05	6	<0.5
146114	Soil	14	26	0.50	288	0.051	1	1.42	0.017	0.07	0.2	0.03	2.7	<0.1	<0.05	4	0.7
146115	Soil	13	28	0.56	306	0.054	2	1.40	0.023	0.08	0.2	0.03	3.0	<0.1	<0.05	4	1.7
146116	Soil	13	24	0.65	286	0.061	1	1.20	0.024	0.10	0.2	0.03	2.6	<0.1	0.09	4	<0.5
146117	Soil	13	23	0.53	264	0.051	1	1.20	0.020	0.06	0.2	0.02	2.4	<0.1	<0.05	4	<0.5
146118	Soil	16	26	0.57	430	0.058	1	1.39	0.021	0.07	0.2	0.03	2.8	<0.1	0.06	4	0.7
146119	Soil	15	24	0.60	425	0.064	1	1.26	0.019	0.07	0.2	0.04	2.6	<0.1	0.06	4	<0.5
146120	Soil	14	24	0.48	389	0.055	1	1.37	0.025	0.05	0.2	0.03	2.5	<0.1	<0.05	4	<0.5
146121	Soil	14	24	0.50	385	0.056	1	1.37	0.019	0.05	0.2	0.03	2.5	<0.1	<0.05	4	0.5
146122	Soil	14	28	0.37	195	0.036	<1	1.22	0.007	0.05	0.2	0.02	1.8	<0.1	<0.05	4	<0.5
146123	Soil	16	46	0.61	301	0.054	<1	1.54	0.012	0.07	0.1	0.02	3.3	<0.1	<0.05	5	<0.5
146124	Soil	16	35	0.45	250	0.052	<1	1.41	0.011	0.05	0.2	0.03	2.7	<0.1	<0.05	4	<0.5
146125	Soil	17	65	0.73	345	0.067	<1	1.75	0.014	0.06	0.1	0.04	4.5	<0.1	<0.05	5	<0.5
146126	Soil	17	16	0.28	235	0.037	<1	0.92	0.010	0.04	0.2	0.04	2.0	<0.1	<0.05	3	<0.5
146127	Soil	16	25	0.53	485	0.048	1	1.45	0.018	0.05	0.1	0.05	3.1	<0.1	<0.05	4	0.7
146128	Soil	15	25	0.58	378	0.057	<1	1.50	0.019	0.07	0.2	0.03	3.2	<0.1	0.05	5	0.6
146129	Soil	16	27	0.44	348	0.048	<1	1.50	0.010	0.06	0.2	0.03	2.8	<0.1	<0.05	4	<0.5
146130	Soil	19	24	0.38	316	0.048	<1	1.30	0.011	0.05	0.2	0.01	2.6	<0.1	<0.05	4	<0.5
146131	Soil	15	24	0.46	337	0.053	<1	1.39	0.016	0.06	0.2	0.04	3.0	0.1	<0.05	4	<0.5
146132	Soil	16	26	0.43	338	0.049	<1	1.34	0.015	0.06	0.2	0.04	2.9	<0.1	<0.05	4	0.5
146133	Soil	22	35	0.56	323	0.059	<1	1.49	0.013	0.10	0.2	0.05	4.4	<0.1	<0.05	5	<0.5
146134	Soil	17	27	0.46	344	0.050	<1	1.33	0.012	0.06	0.2	0.03	3.5	<0.1	<0.05	4	<0.5
146135	Soil	16	27	0.45	440	0.042	<1	1.38	0.012	0.04	0.2	0.03	3.7	<0.1	<0.05	4	0.7
146136	Soil	14	25	0.46	348	0.038	<1	1.23	0.013	0.05	0.2	0.04	3.0	<0.1	<0.05	4	0.8



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
146137	Soil	0.9	30.9	9.2	61	0.1	25.1	9.7	381	2.41	9.9	1.2	2.1	4.2	29	0.2	0.7	0.1	51	0.50	0.063
146138	Soil	1.1	29.6	9.9	68	0.1	26.4	10.5	492	2.56	11.6	1.3	3.6	4.8	46	0.3	0.8	0.2	51	1.46	0.073
146139	Soil	1.1	29.8	9.2	64	0.1	27.0	10.6	457	2.50	10.3	0.6	2.9	4.4	37	0.2	0.8	0.2	48	1.13	0.069
146140	Soil	0.9	19.8	9.0	61	0.1	19.9	11.1	724	2.46	10.9	0.8	3.3	3.6	30	0.1	0.6	0.2	47	0.50	0.065
146141	Soil	1.0	31.8	8.6	66	0.1	26.0	10.3	320	2.46	11.2	0.5	4.0	4.3	30	0.4	0.8	0.1	52	0.55	0.070
146142	Soil	0.9	33.8	10.1	61	0.1	25.4	9.8	445	2.47	10.4	1.7	1.9	4.8	31	0.2	0.8	0.2	48	0.54	0.054
146143	Soil	0.9	26.1	9.9	52	0.1	21.1	10.5	448	2.45	9.5	4.8	5.1	5.1	29	<0.1	0.7	0.2	47	0.49	0.048
146144	Soil	0.7	30.5	10.3	68	0.1	27.2	11.2	469	2.57	11.3	0.7	3.1	4.7	42	0.3	0.8	0.2	48	1.32	0.062
146145	Soil	1.0	30.7	12.3	69	0.1	26.8	10.5	404	2.58	10.5	0.8	2.6	5.2	36	0.2	0.9	0.2	48	1.10	0.060
146146	Soil	1.0	30.6	14.5	72	0.2	26.4	10.4	411	2.55	10.5	0.7	2.3	5.1	33	0.3	0.8	0.2	48	0.90	0.061
146147	Soil	1.1	31.5	12.6	73	0.1	27.1	11.3	447	2.73	10.6	0.6	2.5	5.3	40	0.3	0.8	0.2	52	1.10	0.063
146148	Soil	1.0	31.9	11.9	76	0.2	27.9	11.9	450	2.78	10.6	0.7	2.6	5.5	40	0.4	0.8	0.2	54	0.89	0.062
146149	Soil	1.2	29.8	11.3	88	0.2	30.7	11.5	474	2.71	14.7	0.5	3.3	5.6	31	0.4	1.0	0.2	42	0.71	0.079
146150	Soil	0.9	29.3	12.3	64	0.1	25.0	9.9	368	2.61	10.1	0.8	2.8	6.1	30	0.2	0.8	0.2	46	0.43	0.052
146151	Soil	0.4	10.2	5.6	18	<0.1	8.4	2.8	90	1.14	3.0	1.5	1.0	14.1	10	<0.1	0.2	<0.1	17	0.12	0.015
146152	Soil	0.2	8.4	4.2	13	<0.1	5.5	2.1	73	1.11	2.5	1.2	<0.5	14.1	6	<0.1	0.3	0.2	11	0.06	0.010
146153	Soil	0.1	4.5	8.9	35	<0.1	2.8	1.5	93	1.05	1.1	4.3	<0.5	19.7	3	<0.1	0.1	0.1	10	0.03	0.010
146154	Soil	0.4	5.3	9.0	31	<0.1	5.1	2.8	216	1.36	2.1	1.8	<0.5	16.8	5	<0.1	0.2	0.2	12	0.06	0.008



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Project: Wounded Moose
Report Date: September 16, 2011

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CERTIFICATE OF ANALYSIS

WHI11000829.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
146137	Soil	15	28	0.49	304	0.051	<1	1.24	0.015	0.06	0.2	0.03	3.5	<0.1	<0.05	4	0.7	<0.2
146138	Soil	15	29	0.65	286	0.063	2	1.24	0.023	0.09	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
146139	Soil	15	27	0.64	272	0.061	1	1.16	0.023	0.08	0.2	0.02	3.4	0.1	<0.05	4	0.5	<0.2
146140	Soil	14	26	0.46	326	0.039	<1	1.28	0.014	0.05	0.3	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
146141	Soil	14	27	0.51	279	0.057	1	1.11	0.019	0.07	0.2	0.02	3.1	<0.1	<0.05	4	0.7	<0.2
146142	Soil	17	28	0.49	401	0.049	<1	1.37	0.014	0.06	0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
146143	Soil	18	27	0.47	404	0.050	<1	1.36	0.013	0.06	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
146144	Soil	16	28	0.59	320	0.063	1	1.33	0.021	0.08	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
146145	Soil	16	28	0.65	421	0.062	<1	1.36	0.016	0.08	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
146146	Soil	16	29	0.62	420	0.060	<1	1.31	0.017	0.08	0.2	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
146147	Soil	16	31	0.68	407	0.068	<1	1.47	0.018	0.09	0.2	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
146148	Soil	17	31	0.63	434	0.069	<1	1.52	0.020	0.09	0.1	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
146149	Soil	16	27	0.51	450	0.053	<1	1.13	0.012	0.10	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
146150	Soil	19	27	0.50	469	0.051	<1	1.38	0.015	0.07	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
146151	Soil	47	13	0.19	299	0.019	<1	0.64	0.006	0.07	<0.1	0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
146152	Soil	70	9	0.10	135	0.011	<1	0.49	0.003	0.05	<0.1	<0.01	1.9	<0.1	<0.05	2	0.6	<0.2
146153	Soil	66	7	0.11	83	0.009	<1	0.50	0.002	0.09	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
146154	Soil	67	20	0.40	137	0.024	<1	0.82	0.003	0.11	<0.1	<0.01	1.8	0.1	<0.05	3	0.6	<0.2



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Part 1

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
Pulp Duplicates																					
121789	Soil	1.1	15.4	8.8	70	0.2	130.4	10.6	278	2.65	19.9	2.8	2.4	4.9	15	<0.1	1.2	0.2	36	0.29	0.050
REP 121789	QC	1.0	15.2	8.7	67	0.2	131.3	10.9	276	2.65	20.1	2.8	1.6	4.8	15	<0.1	1.3	0.2	36	0.29	0.049
121813	Soil	1.1	30.2	9.5	77	0.2	27.9	9.7	407	2.59	10.1	0.5	2.0	4.0	26	0.3	0.8	0.2	45	0.71	0.066
REP 121813	QC	1.1	30.5	9.5	78	0.2	28.7	9.6	405	2.58	10.0	0.5	1.5	3.8	26	0.3	0.8	0.1	46	0.74	0.068
121816	Soil	0.9	41.2	7.6	59	0.2	29.8	7.2	549	1.89	7.5	3.5	4.6	2.3	45	0.4	1.0	0.1	34	1.35	0.070
REP 121816	QC	1.1	39.7	7.7	57	0.2	29.7	7.7	549	1.92	7.9	3.2	2.1	2.6	45	0.5	1.0	0.1	36	1.37	0.070
121849	Soil	0.8	26.0	8.9	53	<0.1	21.1	6.7	174	2.53	7.8	0.8	5.2	4.7	24	<0.1	0.6	0.1	45	0.37	0.047
REP 121849	QC	0.6	26.8	9.2	52	<0.1	21.2	6.8	177	2.63	8.0	0.8	4.3	4.8	24	<0.1	0.6	0.1	46	0.36	0.048
121856	Soil	0.7	28.8	10.0	59	0.1	24.2	8.6	220	2.38	9.7	1.1	3.3	3.3	35	0.3	0.7	0.2	46	0.54	0.065
REP 121856	QC	0.6	27.0	9.4	59	0.1	23.6	8.7	224	2.36	9.1	1.1	3.2	3.1	35	0.3	0.7	0.2	48	0.56	0.061
124133	Soil	0.8	17.0	7.5	62	0.2	19.5	7.8	451	1.89	8.6	3.8	2.9	3.1	24	0.3	0.8	0.1	39	0.43	0.057
REP 124133	QC	0.8	16.5	7.5	61	0.2	19.9	7.5	466	1.88	8.9	3.8	1.6	3.1	24	0.3	0.8	0.1	39	0.43	0.055
124138	Soil	1.5	31.8	8.0	67	0.2	30.3	9.1	548	2.41	9.3	0.9	2.2	2.8	40	0.4	0.9	0.1	40	0.72	0.075
REP 124138	QC	1.4	32.3	8.0	67	0.2	30.0	8.8	546	2.33	9.0	0.9	11.0	2.8	41	0.3	0.8	0.1	41	0.71	0.069
145108	Soil	0.9	18.9	7.7	60	<0.1	18.8	7.4	334	1.94	8.3	1.0	5.1	2.8	34	0.2	0.6	0.1	37	0.65	0.073
REP 145108	QC	0.9	18.8	7.3	56	<0.1	19.0	6.9	301	1.85	8.1	1.0	3.1	2.8	31	0.2	0.6	0.1	35	0.64	0.073
145122	Soil	1.0	28.7	8.3	60	<0.1	26.1	9.1	382	2.24	9.0	0.5	2.5	4.0	36	0.3	0.7	0.1	46	1.18	0.070
REP 145122	QC	1.0	30.8	8.5	61	0.1	25.9	9.5	402	2.28	9.7	0.5	4.9	3.9	37	0.3	0.7	0.2	46	1.15	0.066
145138	Soil	0.8	26.0	10.1	53	<0.1	20.3	6.4	199	2.17	7.4	1.3	9.0	6.0	21	<0.1	0.5	0.1	43	0.33	0.054
REP 145138	QC	0.9	26.8	11.2	55	<0.1	22.2	7.0	208	2.24	8.0	1.3	2.2	6.4	23	<0.1	0.5	0.1	45	0.34	0.055
145154	Soil	0.6	24.9	8.4	46	0.1	21.0	7.7	265	2.10	8.8	0.6	3.5	4.0	25	<0.1	0.6	0.1	40	0.43	0.055
REP 145154	QC	0.6	26.1	8.7	46	0.1	21.3	8.0	282	2.18	9.1	0.7	3.5	4.2	25	<0.1	0.7	0.2	41	0.41	0.058
145179	Soil	0.6	33.2	15.8	67	<0.1	133.6	19.0	350	4.10	56.4	1.3	1.4	10.5	18	<0.1	11.2	0.3	59	0.14	0.018
REP 145179	QC	0.6	33.5	15.6	70	<0.1	133.3	19.1	352	4.17	56.9	1.4	1.7	10.8	18	<0.1	11.1	0.2	60	0.14	0.018
146057	Soil	0.8	30.2	22.7	132	0.1	25.5	9.0	344	2.73	15.8	1.1	1.7	6.0	24	0.2	1.3	0.2	50	0.32	0.045
REP 146057	QC	0.9	30.0	21.9	128	0.1	25.5	9.2	351	2.71	15.0	1.2	3.6	6.0	25	0.1	1.3	0.2	51	0.32	0.046
146074	Soil	1.0	30.9	10.9	67	0.2	21.2	7.0	291	2.49	15.7	1.5	<0.5	5.3	23	<0.1	1.2	0.2	44	0.27	0.047
REP 146074	QC	0.8	31.2	11.1	67	0.2	21.0	7.1	299	2.56	16.1	1.5	3.3	5.5	23	0.2	1.0	0.2	45	0.27	0.047



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
121789	Soil	38	173	0.71	190	0.040	2	1.48	0.007	0.07	0.2	0.12	3.6	0.2	<0.05	5	<0.5	<0.2
REP 121789	QC	39	183	0.71	191	0.040	2	1.43	0.007	0.07	0.2	0.12	3.7	0.2	<0.05	5	<0.5	<0.2
121813	Soil	14	24	0.61	291	0.057	2	1.21	0.022	0.08	0.3	0.02	2.7	<0.1	0.07	3	<0.5	<0.2
REP 121813	QC	14	25	0.63	296	0.058	2	1.27	0.023	0.09	0.4	0.03	2.8	0.1	0.07	4	<0.5	<0.2
121816	Soil	12	20	0.41	565	0.039	3	0.93	0.014	0.05	0.3	0.05	2.4	<0.1	<0.05	3	1.6	<0.2
REP 121816	QC	12	20	0.41	559	0.040	3	0.90	0.014	0.05	0.3	0.04	2.1	<0.1	<0.05	3	1.1	<0.2
121849	Soil	15	27	0.44	290	0.062	2	1.64	0.012	0.06	0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 121849	QC	15	27	0.42	297	0.064	1	1.59	0.012	0.06	0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
121856	Soil	14	27	0.47	318	0.042	1	1.33	0.012	0.05	0.2	0.04	3.4	<0.1	<0.05	4	1.1	<0.2
REP 121856	QC	14	28	0.48	313	0.046	1	1.34	0.012	0.05	0.2	0.03	3.4	<0.1	<0.05	4	0.8	<0.2
124133	Soil	17	24	0.44	289	0.043	<1	1.20	0.013	0.05	0.2	0.06	2.4	0.1	<0.05	3	<0.5	<0.2
REP 124133	QC	17	23	0.42	285	0.043	1	1.07	0.012	0.05	0.2	0.05	2.4	0.1	<0.05	3	<0.5	<0.2
124138	Soil	13	23	0.48	474	0.039	2	1.16	0.017	0.07	0.3	0.04	2.6	<0.1	0.05	3	0.6	<0.2
REP 124138	QC	13	23	0.47	469	0.039	2	1.13	0.017	0.07	0.3	0.04	2.6	<0.1	<0.05	3	0.6	<0.2
145108	Soil	12	20	0.38	310	0.041	2	1.01	0.013	0.05	0.3	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 145108	QC	11	19	0.36	300	0.038	2	0.94	0.011	0.05	0.3	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
145122	Soil	13	25	0.53	232	0.062	2	1.13	0.021	0.10	0.2	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2
REP 145122	QC	13	26	0.53	236	0.059	<1	1.15	0.019	0.10	0.2	0.03	3.5	<0.1	<0.05	3	<0.5	<0.2
145138	Soil	20	28	0.38	263	0.045	<1	1.10	0.010	0.06	0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 145138	QC	20	29	0.39	271	0.046	<1	1.13	0.011	0.07	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
145154	Soil	15	24	0.44	311	0.045	<1	1.26	0.011	0.05	0.2	0.03	3.3	<0.1	<0.05	4	0.7	<0.2
REP 145154	QC	15	25	0.44	322	0.045	<1	1.27	0.011	0.05	0.2	0.03	3.3	<0.1	<0.05	4	0.8	<0.2
145179	Soil	27	191	0.82	173	0.076	3	1.61	0.004	0.15	<0.1	0.05	7.7	0.4	<0.05	5	0.5	<0.2
REP 145179	QC	27	189	0.84	174	0.076	2	1.65	0.005	0.16	<0.1	0.05	7.8	0.5	<0.05	6	<0.5	<0.2
146057	Soil	19	36	0.51	339	0.071	<1	1.49	0.010	0.09	0.2	0.04	4.2	0.2	<0.05	5	0.5	<0.2
REP 146057	QC	19	36	0.51	345	0.071	1	1.55	0.012	0.09	0.2	0.05	4.3	0.2	<0.05	5	0.7	<0.2
146074	Soil	17	24	0.32	369	0.060	1	1.42	0.009	0.06	0.1	0.06	4.3	0.1	<0.05	4	1.2	<0.2
REP 146074	QC	17	24	0.31	377	0.060	1	1.38	0.009	0.06	0.1	0.06	4.2	0.1	<0.05	4	1.1	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
146079	Soil	1.0	47.3	10.6	76	0.1	29.2	9.2	287	2.96	12.0	2.6	7.8	4.7	31	<0.1	0.8	0.2	49	0.35
REP 146079	QC	0.9	46.3	11.0	74	0.2	27.7	9.3	270	2.87	11.4	2.5	1.1	4.8	30	<0.1	0.7	0.2	47	0.35
146106	Soil	1.4	29.4	8.9	76	0.1	29.3	9.0	420	2.41	9.3	0.6	3.6	3.7	40	0.4	0.9	0.1	40	1.28
REP 146106	QC	1.4	29.5	8.8	76	0.1	28.9	9.0	403	2.37	9.3	0.6	2.3	3.7	38	0.4	0.9	0.2	40	1.28
146132	Soil	0.9	27.7	8.4	50	0.1	25.3	9.9	600	2.37	8.4	1.6	3.0	4.2	30	0.1	0.5	0.2	44	0.50
REP 146132	QC	0.9	28.7	8.5	51	0.1	25.3	10.3	602	2.38	8.4	1.6	3.3	4.1	29	<0.1	0.6	0.1	44	0.49
146150	Soil	0.9	29.3	12.3	64	0.1	25.0	9.9	368	2.61	10.1	0.8	2.8	6.1	30	0.2	0.8	0.2	46	0.43
REP 146150	QC	0.8	27.6	11.3	62	0.1	23.3	9.3	348	2.44	9.9	0.6	2.3	5.7	28	0.2	0.8	0.2	45	0.43
Reference Materials																				
STD DS8	Standard	13.1	106.0	121.3	306	1.8	39.2	7.7	605	2.45	24.3	3.2	126.5	6.5	60	2.0	5.2	6.2	44	0.69
STD DS8	Standard	13.2	94.8	115.0	277	1.6	34.7	6.6	536	2.19	22.3	2.3	105.8	5.9	56	1.8	4.4	5.7	37	0.63
STD DS8	Standard	14.0	102.1	122.3	291	1.7	40.1	7.2	611	2.44	21.1	2.4	107.8	6.1	64	1.9	4.6	5.6	41	0.73
STD DS8	Standard	13.4	110.3	122.4	312	1.8	36.9	7.3	616	2.59	25.9	2.8	114.0	6.7	64	2.2	4.7	6.1	42	0.71
STD DS8	Standard	13.1	107.2	123.0	305	1.6	38.8	7.6	601	2.81	25.0	2.7	105.4	6.8	62	2.5	5.1	6.3	43	0.69
STD DS8	Standard	13.2	96.7	122.6	289	1.7	39.7	6.6	609	2.43	20.4	2.4	100.8	5.8	63	1.9	4.5	5.4	38	0.66
STD DS8	Standard	12.4	107.8	120.4	309	1.8	38.4	7.7	615	2.51	23.2	2.6	111.5	6.1	57	2.2	4.9	6.3	41	0.66
STD DS8	Standard	12.3	99.0	114.3	289	1.6	34.6	6.9	572	2.29	23.8	2.7	103.9	6.9	62	2.4	5.1	6.6	39	0.65
STD DS8	Standard	13.2	98.6	112.9	299	1.7	37.6	6.9	589	2.30	19.6	2.4	104.1	6.0	58	1.8	4.2	5.4	37	0.66
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Project:

Wounded Moose

Report Date:

September 16, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11000829.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
146079	Soil	20	27	0.45	647	0.058	1	1.80	0.011	0.10	<0.1	0.06	4.7	0.1	<0.05	5	0.6	<0.2
REP 146079	QC	19	26	0.44	635	0.057	1	1.73	0.010	0.10	0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
146106	Soil	13	22	0.67	417	0.045	2	1.06	0.017	0.07	0.2	0.04	2.2	<0.1	0.05	3	<0.5	<0.2
REP 146106	QC	12	21	0.66	418	0.044	1	1.04	0.018	0.07	0.3	0.03	2.1	<0.1	0.07	3	<0.5	<0.2
146132	Soil	16	26	0.43	338	0.049	<1	1.34	0.015	0.06	0.2	0.04	2.9	<0.1	<0.05	4	0.5	<0.2
REP 146132	QC	16	25	0.46	356	0.053	<1	1.44	0.016	0.06	0.2	0.03	2.8	<0.1	<0.05	4	0.5	<0.2
146150	Soil	19	27	0.50	469	0.051	<1	1.38	0.015	0.07	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
REP 146150	QC	19	26	0.48	450	0.051	<1	1.29	0.014	0.07	0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	121	0.62	277	0.107	2	0.92	0.085	0.41	2.9	0.20	2.0	5.3	0.16	5	5.7	4.9
STD DS8	Standard	13	101	0.55	256	0.102	3	0.82	0.084	0.37	2.8	0.19	2.4	5.1	0.15	4	4.2	4.1
STD DS8	Standard	14	125	0.59	236	0.125	2	0.90	0.082	0.39	2.9	0.19	1.5	5.2	0.21	5	5.0	4.8
STD DS8	Standard	16	117	0.63	283	0.119	3	0.95	0.086	0.40	3.1	0.19	2.2	5.4	0.13	5	5.5	4.6
STD DS8	Standard	15	117	0.60	282	0.116	4	0.93	0.089	0.40	3.0	0.18	2.2	5.3	0.19	5	5.0	5.1
STD DS8	Standard	14	122	0.61	242	0.120	3	0.90	0.078	0.39	2.8	0.18	1.6	5.1	0.18	5	5.0	4.6
STD DS8	Standard	14	126	0.60	262	0.103	2	0.87	0.082	0.42	3.1	0.23	2.3	5.6	0.17	4	5.4	5.5
STD DS8	Standard	15	107	0.57	261	0.107	2	0.84	0.083	0.38	2.9	0.20	1.9	5.0	0.16	4	5.2	5.0
STD DS8	Standard	14	118	0.58	225	0.116	2	0.87	0.081	0.38	2.8	0.16	1.7	5.1	0.17	4	5.0	4.3
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
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: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 04, 2011
Report Date: September 16, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000830.1

CLIENT JOB INFORMATION

Project: Wounded Moose
Shipment ID: 20110727144613
P.O. Number
Number of Samples: 312

SAMPLE DISPOSAL

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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	311	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	311	Dry at 60C			VAN
1DX2	311	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

Wounded Moose

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000830.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
120817	Soil	1.1	33.2	10.6	56	<0.1	25.8	9.2	298	2.86	13.0	1.8	4.7	6.3	17	<0.1	1.2	0.2	58	0.18	0.012
120818	Soil	1.7	36.8	11.2	66	<0.1	28.4	12.2	539	2.89	15.2	1.8	4.3	5.4	13	<0.1	1.4	0.2	54	0.11	0.023
120819	Soil	3.4	79.9	14.2	70	<0.1	34.1	14.1	467	4.03	4.5	1.5	1.3	7.3	11	<0.1	0.6	0.4	60	0.03	0.035
120820	Soil	0.8	45.3	18.7	99	<0.1	39.0	19.4	453	4.67	4.9	3.4	1.2	21.8	4	<0.1	0.5	0.3	36	0.13	0.066
120821	Soil	1.3	22.8	12.6	50	0.1	21.6	8.1	217	3.11	26.3	0.7	2.7	5.9	9	<0.1	1.3	0.2	60	0.07	0.020
120822	Soil	1.5	39.3	14.4	55	<0.1	23.7	9.2	189	2.91	27.1	1.0	5.0	6.1	13	<0.1	3.4	0.2	59	0.09	0.019
120823	Soil	1.9	26.6	21.4	50	0.2	19.9	6.5	134	3.11	42.3	1.2	4.3	5.5	12	<0.1	5.9	0.2	64	0.05	0.031
120824	Soil	1.7	25.1	16.2	58	<0.1	25.0	8.3	169	2.89	25.8	0.9	3.0	4.9	11	<0.1	2.9	0.3	56	0.07	0.021
120825	Soil	1.2	24.8	11.5	51	<0.1	18.1	7.5	189	2.51	18.6	1.5	3.0	5.1	11	<0.1	2.0	0.2	48	0.08	0.015
120826	Soil	1.8	32.1	7.9	63	<0.1	21.1	5.7	88	3.05	50.2	1.6	5.8	7.0	12	<0.1	5.7	0.2	31	0.02	0.028
120827	Soil	3.1	37.1	35.8	53	0.8	17.0	8.1	404	2.51	41.0	1.8	8.9	5.4	17	<0.1	2.5	0.3	34	0.05	0.017
120828	Soil	1.2	22.8	12.2	51	0.2	18.8	8.2	212	2.46	18.2	1.2	3.0	5.1	10	<0.1	1.4	0.2	40	0.06	0.018
120829	Soil	0.9	17.4	13.7	62	0.1	20.2	6.9	213	2.82	15.7	1.0	2.9	5.2	12	<0.1	1.0	0.2	41	0.07	0.017
120830	Soil	0.8	24.5	16.7	90	<0.1	26.7	9.9	289	2.84	115.1	1.8	1.3	8.9	17	0.1	11.6	0.2	23	0.03	0.021
120831	Soil	0.5	30.5	19.7	124	0.1	40.5	7.4	1106	2.37	60.1	3.1	26.2	9.0	13	0.2	13.0	0.2	22	0.04	0.021
120832	Soil	0.7	7.5	4.8	86	<0.1	16.6	10.6	930	3.41	5.0	0.4	16.7	1.6	7	<0.1	0.2	<0.1	50	0.11	0.061
120833	Soil	0.4	38.0	7.0	75	0.2	26.8	7.3	552	2.50	6.9	1.6	8.5	4.9	17	0.6	0.8	0.1	38	0.35	0.055
120834	Soil	0.6	15.9	13.9	141	0.1	16.0	4.5	316	4.27	24.1	3.9	1.9	7.1	10	<0.1	1.9	0.2	18	0.06	0.018
120835	Soil	0.6	52.9	13.2	99	<0.1	38.4	6.7	852	2.71	9.2	0.7	5.2	5.7	15	<0.1	1.0	0.1	35	0.46	0.040
120836	Soil	1.0	33.3	10.2	62	<0.1	31.8	8.4	273	2.94	11.5	1.1	3.3	5.4	21	<0.1	0.8	0.2	48	0.30	0.023
120837	Soil	0.7	21.9	10.8	70	<0.1	27.4	8.6	268	3.08	11.0	1.0	2.9	5.9	18	<0.1	0.8	0.2	52	0.34	0.019
120838	Soil	0.8	26.5	11.4	68	0.1	26.3	7.8	306	2.86	16.8	1.5	4.6	6.7	14	<0.1	1.1	0.2	48	0.27	0.020
120839	Soil	0.3	92.2	5.7	70	<0.1	24.1	10.8	684	2.57	2.7	0.8	3.7	2.2	21	<0.1	0.3	0.1	47	0.46	0.077
120840	Soil	0.4	92.4	6.4	69	<0.1	20.7	9.8	689	2.32	2.6	0.8	4.2	2.2	19	<0.1	0.3	0.1	43	0.44	0.078
120841	Soil	0.9	49.8	12.2	105	<0.1	36.6	7.4	357	2.91	10.7	1.5	3.0	8.6	11	0.1	1.1	0.2	46	0.18	0.045
120842	Soil	0.8	40.4	14.3	100	0.2	37.8	9.3	354	3.16	13.1	1.1	3.5	7.5	20	0.1	1.0	0.2	52	0.38	0.058
120843	Soil	0.8	29.8	13.2	86	0.2	25.1	7.8	288	2.45	8.8	1.5	2.2	3.5	25	0.1	0.6	0.2	46	0.37	0.043
120844	Soil	0.8	28.3	11.0	84	0.2	28.3	8.0	328	2.41	9.9	2.5	4.0	2.9	26	0.2	0.7	0.1	42	0.42	0.049
120845	Soil	0.8	31.7	10.4	76	0.1	32.3	8.2	418	2.51	12.2	2.7	3.6	3.9	25	0.2	1.0	0.1	43	0.46	0.047
120846	Soil	0.8	29.1	11.6	63	0.2	33.4	9.0	473	2.53	15.2	3.9	4.4	3.0	29	0.2	0.9	0.2	44	0.47	0.056



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
120817	Soil	21	27	0.41	375	0.073	1	1.59	0.017	0.05	0.2	0.06	4.2	0.1	<0.05	5	<0.5	<0.2
120818	Soil	18	24	0.40	252	0.065	1	1.45	0.012	0.05	0.1	0.08	3.7	0.2	<0.05	5	<0.5	<0.2
120819	Soil	16	30	0.69	123	0.108	1	1.81	0.005	0.46	<0.1	0.01	4.2	0.5	<0.05	6	0.6	<0.2
120820	Soil	90	34	1.00	127	0.265	<1	2.60	0.005	1.21	<0.1	<0.01	2.6	0.8	<0.05	7	<0.5	<0.2
120821	Soil	14	30	0.44	178	0.059	1	1.87	0.004	0.07	0.1	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
120822	Soil	20	30	0.39	224	0.054	1	1.34	0.006	0.06	0.2	0.19	4.8	0.1	<0.05	4	0.7	<0.2
120823	Soil	12	26	0.25	128	0.028	<1	1.38	0.004	0.04	<0.1	0.12	2.9	0.2	<0.05	4	0.9	<0.2
120824	Soil	12	30	0.39	247	0.032	2	1.99	0.005	0.05	0.1	0.07	2.6	0.1	<0.05	5	0.6	<0.2
120825	Soil	17	24	0.35	224	0.047	1	1.43	0.006	0.03	0.1	0.08	3.8	0.1	<0.05	4	<0.5	<0.2
120826	Soil	12	20	0.14	106	0.016	<1	0.87	0.003	0.04	<0.1	0.18	3.3	0.1	<0.05	3	0.7	<0.2
120827	Soil	14	16	0.18	230	0.019	1	0.78	0.004	0.04	<0.1	0.16	3.8	1.2	<0.05	3	0.6	<0.2
120828	Soil	15	22	0.30	189	0.030	1	1.31	0.004	0.04	0.1	0.06	2.7	0.3	<0.05	4	<0.5	<0.2
120829	Soil	12	22	0.37	234	0.033	2	1.52	0.005	0.07	<0.1	0.02	2.9	0.2	<0.05	5	<0.5	<0.2
120830	Soil	16	12	0.07	183	0.003	3	0.75	0.002	0.06	<0.1	0.03	2.8	0.2	<0.05	2	<0.5	<0.2
120831	Soil	25	15	0.10	286	0.004	<1	0.53	0.002	0.04	0.2	0.06	4.4	0.6	<0.05	2	<0.5	<0.2
120832	Soil	6	14	1.79	718	0.096	<1	2.61	0.009	0.39	<0.1	<0.01	6.2	0.1	<0.05	10	<0.5	<0.2
120833	Soil	20	17	0.90	729	0.068	<1	1.69	0.008	0.22	<0.1	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
120834	Soil	18	12	0.13	261	0.004	1	0.66	0.002	0.07	<0.1	0.02	4.8	0.1	<0.05	3	0.5	<0.2
120835	Soil	22	19	1.17	353	0.056	1	1.85	0.005	0.20	<0.1	0.02	5.2	0.2	<0.05	6	<0.5	<0.2
120836	Soil	21	30	0.51	557	0.050	<1	1.61	0.010	0.06	0.1	0.06	4.0	<0.1	<0.05	5	<0.5	<0.2
120837	Soil	20	32	0.58	547	0.068	<1	1.96	0.009	0.13	<0.1	0.04	3.5	0.2	<0.05	5	<0.5	<0.2
120838	Soil	27	28	0.44	506	0.050	<1	1.64	0.006	0.07	<0.1	0.07	4.4	0.2	<0.05	5	<0.5	<0.2
120839	Soil	9	12	2.08	1538	0.122	<1	2.37	0.015	0.49	<0.1	<0.01	7.0	0.1	<0.05	9	<0.5	<0.2
120840	Soil	8	12	2.02	1467	0.090	<1	2.47	0.016	0.54	<0.1	<0.01	6.2	0.1	<0.05	8	<0.5	0.3
120841	Soil	30	28	0.70	709	0.077	<1	1.48	0.005	0.44	<0.1	0.03	3.8	0.4	<0.05	5	0.6	<0.2
120842	Soil	30	31	0.68	737	0.087	1	1.78	0.008	0.40	0.1	0.04	3.9	0.3	<0.05	6	<0.5	<0.2
120843	Soil	18	26	0.55	674	0.054	<1	1.59	0.011	0.07	0.1	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
120844	Soil	18	27	0.47	619	0.045	<1	1.44	0.010	0.06	0.2	0.05	3.1	0.1	<0.05	4	0.5	<0.2
120845	Soil	19	28	0.48	514	0.043	<1	1.43	0.010	0.07	0.1	0.04	3.1	0.1	<0.05	4	0.7	<0.2
120846	Soil	18	27	0.40	598	0.031	<1	1.55	0.010	0.06	0.1	0.07	3.2	0.1	<0.05	4	1.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
120847	Soil	0.9	30.9	11.0	65	0.2	29.5	8.6	359	2.44	16.1	2.5	3.8	3.9	26	0.2	1.0	0.2	44	0.40	0.050
120848	Soil	1.0	32.9	12.2	67	0.2	28.4	8.7	326	2.75	17.6	2.7	4.4	3.8	29	0.1	1.0	0.2	46	0.41	0.052
120849	Soil	1.1	34.3	11.9	69	0.2	31.7	9.3	444	2.72	16.6	2.6	7.0	3.9	28	0.2	1.0	0.2	50	0.41	0.054
120850	Soil	1.0	29.8	11.4	56	0.1	23.7	7.2	249	2.59	14.6	1.6	3.9	4.4	24	<0.1	0.9	0.2	47	0.36	0.041
120851	Soil	1.0	28.1	10.3	62	0.1	24.8	9.2	321	2.61	12.2	2.0	3.4	3.4	26	0.2	0.8	0.2	43	0.36	0.054
120852	Soil	0.8	20.9	9.4	52	0.1	18.8	6.4	200	2.19	9.4	1.4	2.2	3.3	23	0.1	0.6	0.1	39	0.33	0.049
120853	Soil	0.7	25.8	9.5	54	0.1	20.9	6.7	204	2.39	10.0	1.6	2.9	3.4	25	0.2	0.6	0.1	43	0.35	0.053
120854	Soil	1.7	24.7	7.7	59	0.3	21.0	5.9	163	2.17	11.9	2.3	2.5	7.4	20	0.4	0.7	0.2	41	0.28	0.062
120855	Soil	1.0	23.7	9.5	44	0.2	22.3	9.6	379	2.23	9.8	1.5	2.7	3.0	27	0.2	0.7	0.2	42	0.36	0.054
120856	Soil	1.0	24.1	8.1	49	0.1	20.5	7.2	276	2.05	7.6	1.8	5.5	4.1	24	0.1	0.7	0.1	40	0.35	0.050
120857	Soil	1.1	15.0	9.0	47	<0.1	16.7	8.9	408	2.16	8.3	0.8	1.1	2.8	23	<0.1	0.5	0.1	43	0.32	0.030
120858	Soil	1.0	29.4	9.1	52	0.1	26.4	8.2	345	2.52	11.1	2.8	2.8	4.6	22	<0.1	0.7	0.2	50	0.33	0.036
120859	Soil	0.8	19.6	9.3	70	0.2	22.6	7.6	445	2.14	6.8	5.8	3.1	4.8	27	0.1	0.9	0.1	39	0.42	0.057
120860	Soil	0.9	27.8	7.6	58	0.1	32.3	7.6	298	2.36	9.7	0.6	3.3	2.4	33	0.1	0.7	0.2	40	0.88	0.082
120861	Soil	0.1	22.4	8.2	51	<0.1	30.2	5.6	136	1.56	5.0	1.1	9.3	3.8	19	<0.1	0.5	0.1	54	0.42	0.061
120862	Soil	1.0	33.3	9.4	74	0.2	53.2	12.5	327	4.98	9.6	2.1	6.9	5.5	21	0.2	0.5	0.3	87	0.56	0.067
120863	Soil	1.0	27.2	9.8	59	<0.1	21.3	8.1	174	2.54	9.5	0.7	4.0	3.4	13	<0.1	0.7	0.2	44	0.14	0.028
120864	Soil	0.3	6.2	6.1	32	<0.1	9.1	3.4	95	1.07	3.5	0.4	<0.5	2.4	11	<0.1	0.2	<0.1	22	0.13	0.047
120865	Soil	0.2	9.6	6.8	44	<0.1	9.3	3.7	198	0.93	2.1	0.4	11.8	1.4	17	0.1	0.2	0.1	19	0.21	0.058
120866	Soil	1.0	34.0	12.6	55	0.6	27.0	9.2	344	2.76	11.7	0.6	6.7	3.9	18	0.2	0.6	0.2	52	0.21	0.032
120867	Soil	1.0	21.3	11.1	56	0.1	20.4	6.8	169	2.48	9.7	0.7	3.7	1.7	12	0.2	0.6	0.2	47	0.14	0.031
120868	Soil	1.0	30.1	8.5	75	0.1	27.4	8.3	278	2.50	9.7	0.7	11.6	2.8	40	0.3	0.8	0.1	40	1.13	0.068
120869	Soil	0.8	23.9	7.5	56	<0.1	21.8	7.0	232	2.19	9.3	0.6	4.0	3.4	22	0.4	0.7	0.2	40	0.41	0.067
120870	Soil	0.9	37.2	10.8	81	0.1	29.1	9.2	308	2.79	11.1	0.8	2.7	3.8	33	0.2	1.0	0.2	48	0.72	0.063
120871	Soil	0.1	36.4	9.9	41	0.2	16.9	4.7	85	1.38	4.9	1.4	3.6	3.5	36	0.4	0.7	0.2	34	0.58	0.054
120872	Soil	0.4	49.6	10.6	65	0.4	24.7	6.2	130	1.50	4.0	2.0	3.4	4.3	32	0.5	0.9	0.2	35	0.60	0.059
120873	Soil	0.5	33.8	10.3	57	0.2	25.4	8.2	244	2.67	11.5	1.3	3.1	3.4	30	0.2	0.8	0.2	43	0.52	0.060
120874	Soil	1.2	35.1	10.4	63	0.2	29.7	10.6	438	2.88	11.0	3.7	5.7	3.0	35	0.3	0.7	0.2	51	0.62	0.048
120875	Soil	1.3	36.2	9.9	72	0.2	29.3	9.6	335	2.93	12.0	0.7	6.2	3.5	46	0.2	0.8	0.2	46	1.76	0.052
120876	Soil	1.0	25.0	8.1	55	<0.1	20.5	7.4	191	2.31	8.2	0.6	3.4	4.6	16	<0.1	0.7	0.1	41	0.22	0.021



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
120847	Soil	19	25	0.39	497	0.043	1	1.34	0.012	0.06	0.2	0.06	3.2	0.1	<0.05	4	0.7	<0.2
120848	Soil	18	27	0.38	477	0.041	1	1.49	0.010	0.07	0.1	0.07	3.5	0.1	<0.05	4	0.8	<0.2
120849	Soil	17	30	0.40	382	0.047	1	1.62	0.010	0.07	0.1	0.06	3.7	0.1	<0.05	5	<0.5	<0.2
120850	Soil	17	29	0.37	319	0.050	<1	1.52	0.008	0.06	0.1	0.04	3.4	0.1	<0.05	4	<0.5	<0.2
120851	Soil	17	26	0.37	383	0.046	<1	1.46	0.010	0.06	0.2	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
120852	Soil	16	24	0.34	305	0.050	<1	1.40	0.010	0.05	0.1	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
120853	Soil	16	25	0.38	299	0.056	<1	1.58	0.009	0.05	0.2	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
120854	Soil	22	30	0.40	263	0.047	<1	1.30	0.006	0.05	0.6	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
120855	Soil	16	25	0.37	536	0.035	<1	1.48	0.010	0.05	0.2	0.08	2.7	<0.1	<0.05	4	<0.5	<0.2
120856	Soil	17	25	0.43	340	0.046	<1	1.42	0.010	0.05	0.2	0.06	2.7	<0.1	<0.05	4	<0.5	<0.2
120857	Soil	12	25	0.42	307	0.038	<1	1.43	0.010	0.04	0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
120858	Soil	18	29	0.47	456	0.053	<1	1.45	0.015	0.06	0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
120859	Soil	20	29	0.50	349	0.054	1	1.35	0.019	0.07	0.2	0.07	3.1	0.2	<0.05	4	<0.5	<0.2
120860	Soil	11	29	0.45	317	0.038	2	1.03	0.012	0.06	0.4	0.03	2.3	<0.1	0.07	3	0.6	<0.2
120861	Soil	14	55	0.61	171	0.050	1	1.21	0.010	0.09	0.3	0.05	3.8	<0.1	<0.05	4	1.0	<0.2
120862	Soil	24	97	1.23	212	0.059	1	1.90	0.010	0.20	0.2	0.03	7.9	0.2	<0.05	7	0.9	<0.2
120863	Soil	13	25	0.42	189	0.047	1	1.36	0.006	0.05	0.2	0.02	2.4	<0.1	<0.05	4	0.7	<0.2
120864	Soil	7	15	0.29	188	0.022	<1	0.98	0.003	0.03	0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
120865	Soil	7	14	0.28	248	0.023	<1	0.82	0.005	0.04	0.1	0.01	1.0	<0.1	0.06	2	<0.5	<0.2
120866	Soil	12	30	0.45	416	0.035	1	1.73	0.007	0.06	0.2	0.05	3.3	<0.1	<0.05	5	<0.5	<0.2
120867	Soil	12	25	0.37	284	0.033	<1	1.45	0.006	0.07	0.2	0.02	2.3	<0.1	<0.05	4	0.8	<0.2
120868	Soil	12	21	0.63	404	0.040	1	0.99	0.016	0.07	0.3	0.03	2.4	<0.1	<0.05	3	0.9	<0.2
120869	Soil	12	22	0.39	387	0.043	1	0.97	0.011	0.06	0.4	0.02	2.4	<0.1	0.05	3	0.6	<0.2
120870	Soil	14	26	0.55	414	0.050	1	1.27	0.016	0.07	0.2	0.04	3.3	<0.1	0.06	4	0.5	<0.2
120871	Soil	11	21	0.32	424	0.034	<1	1.09	0.012	0.03	0.1	0.12	2.8	<0.1	0.16	3	1.5	<0.2
120872	Soil	16	22	0.39	426	0.041	1	1.22	0.012	0.04	0.2	0.15	3.0	<0.1	0.07	3	1.4	<0.2
120873	Soil	13	25	0.38	461	0.039	1	1.34	0.011	0.04	0.2	0.04	3.2	<0.1	<0.05	4	1.1	<0.2
120874	Soil	13	27	0.54	440	0.038	<1	1.51	0.014	0.06	0.2	0.03	3.3	<0.1	<0.05	4	1.0	<0.2
120875	Soil	13	25	0.67	438	0.047	2	1.41	0.018	0.07	0.3	0.05	3.3	<0.1	<0.05	4	0.9	<0.2
120876	Soil	16	24	0.42	287	0.046	<1	1.26	0.009	0.04	0.2	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
120877	Soil	1.0	51.0	14.1	49	<0.1	39.2	16.1	309	3.62	14.4	1.0	9.9	7.7	20	<0.1	1.0	0.2	72	0.26	0.016
120878	Soil	0.9	30.5	8.8	46	<0.1	27.3	10.0	221	2.66	12.7	0.5	10.2	5.0	14	<0.1	0.6	0.2	48	0.17	0.014
120879	Soil	0.8	33.5	8.3	42	<0.1	24.2	6.2	192	2.25	9.2	0.7	7.0	5.7	14	<0.1	0.7	0.1	43	0.18	0.014
120880	Soil	1.5	21.4	10.4	49	<0.1	33.6	13.5	296	3.11	14.3	0.4	2.1	3.8	16	<0.1	0.6	0.2	57	0.18	0.025
120881	Soil	1.3	19.2	10.8	56	<0.1	21.4	10.2	197	3.10	9.2	0.6	3.3	4.5	9	0.1	0.5	0.2	54	0.11	0.037
120882	Soil	0.9	20.0	9.9	48	<0.1	18.4	8.5	206	2.35	8.6	1.0	3.2	4.1	14	<0.1	0.5	0.2	43	0.16	0.022
120883	Soil	0.9	26.9	11.4	54	0.2	20.8	7.7	319	2.42	9.4	1.6	4.1	3.7	26	0.2	0.8	0.2	41	0.44	0.047
120884	Soil	0.7	23.7	10.6	57	0.2	15.2	5.5	140	2.03	5.1	1.0	3.0	4.2	26	0.3	0.7	0.2	34	0.40	0.050
120885	Soil	1.1	29.5	8.3	58	0.1	24.4	8.0	349	2.40	8.2	1.2	6.6	3.4	29	0.4	0.7	0.1	43	0.47	0.073
120886	Soil	0.8	30.4	8.6	62	0.1	23.5	8.6	253	2.54	8.9	0.8	4.9	4.2	28	0.3	0.8	0.2	45	0.48	0.063
123013	Soil	2.0	55.9	8.4	87	0.3	27.5	7.7	115	3.25	56.8	1.6	2.8	2.9	10	0.3	4.2	<0.1	68	0.12	0.022
123014	Soil	2.2	76.5	10.5	90	0.3	40.6	11.4	199	3.55	23.5	4.1	10.4	7.1	12	0.2	2.4	0.2	66	0.10	0.025
123015	Soil	1.1	37.3	8.6	76	0.3	25.0	14.1	308	3.69	23.3	2.2	3.2	4.5	12	0.1	2.8	0.1	83	0.12	0.015
123016	Soil	0.9	48.4	10.7	79	<0.1	26.5	10.8	413	3.72	9.3	1.2	1.8	11.1	9	<0.1	1.4	0.1	67	0.17	0.023
123017	Soil	0.9	33.0	6.5	62	<0.1	21.5	9.2	224	3.54	32.1	1.5	3.6	6.4	12	<0.1	1.9	<0.1	70	0.20	0.022
123018	Soil	0.4	44.1	8.5	69	<0.1	25.0	12.9	342	3.31	1.8	0.5	1.1	4.8	9	<0.1	0.1	<0.1	70	0.34	0.072
123019	Soil	0.2	16.1	0.9	20	<0.1	12.3	10.6	109	1.82	6.0	0.2	1.0	1.0	5	<0.1	0.1	<0.1	39	0.24	0.045
123020	Soil	1.0	41.3	4.2	90	<0.1	25.8	15.4	351	4.54	18.1	1.0	1.9	3.2	12	0.1	0.3	<0.1	98	0.28	0.055
123021	Soil	0.4	17.8	2.2	36	<0.1	14.1	8.8	189	2.35	8.9	0.5	1.7	1.7	9	<0.1	0.5	<0.1	53	0.32	0.052
123022	Soil	0.4	42.2	3.4	45	<0.1	245.6	27.5	722	3.08	5.8	0.7	1.9	4.2	20	0.1	0.5	<0.1	55	0.49	0.047
123023	Soil	1.7	29.7	9.2	77	0.3	25.6	8.4	224	2.74	36.4	1.4	3.6	4.3	18	0.2	1.4	0.2	58	0.22	0.049
123024	Soil	1.6	25.5	8.1	84	0.2	28.1	9.5	347	2.59	27.7	1.5	4.3	4.7	18	0.2	1.0	0.1	59	0.27	0.044
123025	Soil	1.6	29.9	10.2	75	0.6	48.5	19.5	1091	3.29	21.5	2.8	4.6	5.0	21	0.2	0.8	0.2	71	0.35	0.063
123026	Soil	2.6	29.9	9.4	35	0.2	16.9	5.1	113	2.62	62.7	1.0	1.3	4.7	12	<0.1	3.3	0.3	54	0.07	0.021
123027	Soil	3.0	51.5	11.1	71	0.2	30.6	9.4	251	3.00	40.4	1.9	4.1	10.7	9	0.2	3.7	0.3	37	0.05	0.022
123028	Soil	1.0	27.1	8.4	47	<0.1	24.8	8.8	265	2.67	14.1	1.1	3.6	5.6	15	0.1	0.9	0.2	50	0.15	0.010
123029	Soil	2.8	69.6	17.0	78	0.2	28.1	9.3	224	3.42	46.4	2.5	4.2	9.5	12	0.2	4.1	0.5	53	0.04	0.034
123030	Soil	1.6	28.7	8.3	45	0.3	19.9	6.5	223	2.50	26.0	1.3	3.4	4.9	14	0.2	2.3	0.2	50	0.17	0.026
123031	Soil	5.1	89.9	12.5	126	0.1	51.0	16.1	522	5.18	71.2	4.7	3.6	12.9	9	0.2	6.5	0.4	42	0.06	0.035
123032	Soil	2.1	39.1	10.7	67	0.1	33.1	10.4	297	3.25	39.8	1.4	3.7	7.1	12	0.1	2.0	0.2	55	0.13	0.017



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
120877	Soil	20	44	0.42	591	0.052	<1	2.77	0.007	0.06	<0.1	0.05	7.8	<0.1	<0.05	8	1.1	<0.2
120878	Soil	12	31	0.43	334	0.040	<1	1.66	0.006	0.04	0.2	0.01	3.3	<0.1	<0.05	4	0.7	<0.2
120879	Soil	14	25	0.34	276	0.055	<1	1.63	0.006	0.04	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
120880	Soil	8	30	0.39	344	0.049	<1	2.33	0.007	0.05	0.2	<0.01	2.5	<0.1	<0.05	6	1.0	<0.2
120881	Soil	10	30	0.36	223	0.052	<1	2.16	0.005	0.05	0.1	0.01	2.4	<0.1	<0.05	5	0.5	<0.2
120882	Soil	14	24	0.34	277	0.041	<1	1.43	0.005	0.03	0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
120883	Soil	17	26	0.36	319	0.048	<1	1.38	0.009	0.05	0.2	0.07	3.3	<0.1	<0.05	4	0.6	<0.2
120884	Soil	14	20	0.35	317	0.038	<1	1.13	0.008	0.03	0.1	0.07	2.7	<0.1	<0.05	3	0.9	<0.2
120885	Soil	15	25	0.38	329	0.045	<1	1.24	0.010	0.05	0.3	0.04	3.3	<0.1	<0.05	3	1.3	<0.2
120886	Soil	14	26	0.42	247	0.056	1	1.17	0.013	0.08	0.2	0.03	3.3	<0.1	<0.05	3	1.2	<0.2
123013	Soil	7	39	0.30	333	0.057	<1	1.36	0.007	0.04	0.1	0.05	4.5	0.2	<0.05	3	1.8	<0.2
123014	Soil	24	40	0.49	399	0.048	<1	1.71	0.007	0.07	0.1	0.38	5.7	0.2	<0.05	5	1.2	<0.2
123015	Soil	14	42	0.36	654	0.043	<1	1.43	0.005	0.06	<0.1	0.35	9.3	0.1	<0.05	4	<0.5	<0.2
123016	Soil	26	29	0.43	287	0.053	<1	1.17	0.005	0.11	<0.1	0.08	7.5	0.1	<0.05	3	0.7	<0.2
123017	Soil	20	34	0.40	274	0.032	<1	1.48	0.005	0.04	0.8	0.12	7.4	<0.1	<0.05	4	<0.5	<0.2
123018	Soil	9	32	1.06	274	0.111	<1	1.95	0.012	0.46	<0.1	<0.01	4.2	0.2	<0.05	6	<0.5	<0.2
123019	Soil	3	27	0.25	169	0.062	<1	0.70	0.012	0.06	0.1	<0.01	3.0	<0.1	<0.05	2	0.7	<0.2
123020	Soil	11	63	0.59	411	0.078	<1	1.45	0.013	0.17	0.1	0.02	6.3	0.2	<0.05	5	0.8	<0.2
123021	Soil	7	33	0.37	525	0.054	<1	0.83	0.011	0.02	<0.1	<0.01	4.3	<0.1	<0.05	3	0.6	<0.2
123022	Soil	13	468	1.55	1027	0.097	<1	1.47	0.013	0.33	<0.1	0.03	6.7	0.3	<0.05	5	<0.5	<0.2
123023	Soil	14	28	0.52	261	0.063	<1	1.33	0.010	0.12	0.1	0.10	2.9	0.2	0.06	4	0.7	<0.2
123024	Soil	16	44	0.57	348	0.087	<1	1.37	0.011	0.13	0.1	0.03	2.9	0.2	0.05	4	<0.5	<0.2
123025	Soil	37	81	0.75	487	0.083	1	1.97	0.013	0.15	0.1	0.10	4.4	0.3	0.06	6	<0.5	<0.2
123026	Soil	11	21	0.23	118	0.037	<1	1.20	0.004	0.06	0.1	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
123027	Soil	20	21	0.18	119	0.019	<1	0.94	0.004	0.06	<0.1	0.08	3.4	0.2	<0.05	3	0.6	<0.2
123028	Soil	16	29	0.44	360	0.059	<1	1.55	0.010	0.05	0.1	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
123029	Soil	22	25	0.37	212	0.047	1	1.34	0.004	0.18	<0.1	0.08	3.5	0.5	0.14	4	1.0	<0.2
123030	Soil	16	24	0.38	310	0.051	1	1.38	0.010	0.06	0.1	0.10	2.6	0.2	<0.05	5	<0.5	<0.2
123031	Soil	39	25	0.21	154	0.040	<1	1.11	0.005	0.10	0.1	0.23	5.9	0.5	<0.05	4	0.7	<0.2
123032	Soil	17	29	0.42	285	0.046	<1	1.62	0.008	0.05	0.1	0.05	3.0	0.2	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
123033	Soil	2.4	34.3	9.9	66	0.4	41.7	14.3	1093	2.97	79.1	3.5	4.4	4.8	25	0.3	2.1	0.2	63	0.38	0.063
123034	Soil	3.6	53.2	10.5	44	0.6	25.7	6.3	297	1.75	95.1	5.6	5.2	3.4	21	0.2	5.0	0.2	44	0.15	0.036
123035	Soil	1.2	13.8	8.6	46	<0.1	23.3	6.2	190	2.16	21.5	0.7	3.4	4.5	14	<0.1	1.2	0.1	45	0.19	0.024
123036	Soil	1.2	13.4	9.4	49	<0.1	20.8	7.2	302	2.53	14.7	0.7	2.4	4.4	13	<0.1	0.7	0.2	51	0.15	0.027
123037	Soil	1.1	20.6	10.2	60	<0.1	30.5	9.1	295	2.83	11.5	1.0	2.8	6.3	13	<0.1	0.6	0.2	60	0.14	0.015
123038	Soil	1.1	22.9	9.4	56	<0.1	52.2	9.4	250	2.91	12.4	0.7	2.8	6.3	15	<0.1	1.0	0.1	58	0.16	0.016
123039	Soil	0.8	18.1	14.4	81	<0.1	19.9	6.9	364	3.42	7.9	0.9	1.8	13.8	11	<0.1	1.5	0.2	36	0.11	0.009
123040	Soil	0.7	17.8	14.4	86	<0.1	19.3	7.0	384	3.57	6.8	0.9	1.5	12.8	11	<0.1	1.3	0.2	34	0.11	0.008
123041	Soil	0.8	9.2	12.3	87	<0.1	17.0	7.6	431	3.42	5.7	1.1	1.3	17.8	13	0.1	0.9	0.2	39	0.16	0.035
123042	Soil	1.6	67.4	11.7	115	0.4	54.3	18.6	399	4.21	38.0	1.4	3.5	5.2	14	0.2	2.9	0.2	94	0.12	0.031
123043	Soil	1.2	37.1	8.2	61	0.3	29.1	12.9	456	3.08	16.4	1.9	2.6	3.8	16	0.1	1.2	0.2	75	0.23	0.018
123044	Soil	0.6	39.2	2.4	64	<0.1	33.8	10.6	160	2.23	9.1	0.4	1.7	1.2	9	0.1	0.9	<0.1	53	0.31	0.012
123045	Soil	0.7	52.2	3.4	42	0.3	38.2	15.4	171	2.75	9.0	0.5	1.5	1.4	10	<0.1	1.1	<0.1	70	0.28	0.011
123046	Soil	3.3	70.7	10.5	181	0.4	81.9	22.0	312	4.20	25.7	1.3	1.1	3.7	18	0.5	2.8	0.1	102	0.22	0.040
123047	Soil	1.2	44.2	6.2	71	0.4	36.4	10.5	196	2.79	17.2	1.1	4.3	3.5	11	0.2	1.4	0.1	69	0.18	0.015
123048	Soil	1.6	36.7	8.2	59	0.5	30.0	7.9	210	2.70	19.7	1.1	5.5	4.4	12	0.2	1.2	0.1	65	0.13	0.014
123049	Soil	1.5	27.9	11.4	59	<0.1	21.9	8.4	284	2.74	11.0	1.8	2.6	8.0	11	<0.1	1.0	0.2	49	0.11	0.017
123050	Soil	1.6	38.3	10.1	65	<0.1	33.8	14.5	431	3.37	8.2	1.7	3.3	7.2	11	<0.1	0.8	0.3	63	0.11	0.016
123051	Soil	1.2	42.5	16.4	89	<0.1	35.3	12.5	509	3.44	9.6	2.6	3.5	13.9	11	<0.1	1.6	0.3	39	0.10	0.028
123052	Soil	2.8	30.3	16.4	31	0.4	12.9	4.1	145	1.76	33.6	1.9	4.1	1.5	14	0.1	10.1	0.2	37	0.06	0.046
123053	Soil	2.3	28.6	13.2	47	0.2	17.2	6.3	167	2.09	18.9	1.6	3.7	3.5	13	0.1	3.0	0.1	43	0.08	0.019
123054	Soil	1.1	22.4	9.5	41	<0.1	14.6	5.5	120	1.95	21.2	1.4	4.3	5.3	11	<0.1	2.7	0.1	40	0.07	0.017
123055	Soil	1.3	31.9	10.2	46	<0.1	20.4	7.3	217	2.49	26.7	1.4	5.3	6.0	16	<0.1	2.9	0.2	42	0.11	0.017
123056	Soil	1.5	27.9	13.8	100	<0.1	26.6	8.9	479	2.77	20.4	2.0	3.8	6.9	12	0.3	1.6	0.2	36	0.05	0.021
123057	Soil	2.8	48.3	20.2	216	0.3	124.0	19.8	6224	5.89	73.3	2.5	6.5	8.4	9	0.5	9.9	0.2	64	0.03	0.033
123058	Soil	1.3	16.7	15.7	53	0.1	24.0	9.3	419	3.05	23.4	0.7	2.3	4.9	8	<0.1	1.6	0.2	46	0.06	0.023
123059	Soil	0.2	48.4	5.6	90	<0.1	24.0	12.1	777	3.83	1.8	1.1	5.1	2.7	16	<0.1	5.3	<0.1	54	0.05	0.034
123060	Soil	0.8	21.5	7.7	80	0.1	24.8	9.3	299	3.77	42.8	2.5	7.5	15.2	12	<0.1	13.7	0.1	19	0.02	0.032
123061	Soil	0.7	31.1	13.4	86	0.1	32.5	7.9	327	3.35	31.4	2.2	21.6	16.4	14	<0.1	7.9	0.2	25	0.03	0.026
123062	Soil	0.7	22.8	9.9	46	0.1	17.8	6.1	217	2.32	10.5	1.3	7.2	4.4	11	<0.1	1.0	0.1	44	0.09	0.013



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
123033	Soil	27	71	0.56	568	0.051	1	1.67	0.010	0.11	0.1	0.13	4.4	0.2	0.05	5	0.6	<0.2
123034	Soil	15	29	0.18	309	0.022	<1	0.82	0.005	0.05	0.2	0.21	4.9	0.3	<0.05	3	1.5	<0.2
123035	Soil	13	37	0.34	312	0.050	<1	1.11	0.006	0.05	0.1	0.03	1.9	0.1	<0.05	4	<0.5	<0.2
123036	Soil	12	29	0.35	236	0.048	<1	1.44	0.007	0.06	0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
123037	Soil	17	44	0.50	285	0.065	<1	1.70	0.010	0.06	<0.1	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
123038	Soil	13	66	0.49	247	0.064	<1	1.65	0.008	0.07	0.1	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
123039	Soil	19	23	0.61	168	0.149	<1	1.98	0.006	0.44	0.1	0.03	4.2	0.5	<0.05	8	<0.5	<0.2
123040	Soil	18	23	0.66	180	0.178	<1	2.07	0.010	0.53	0.2	0.02	4.4	0.6	0.06	9	<0.5	<0.2
123041	Soil	30	23	0.55	302	0.172	1	2.09	0.006	0.63	0.2	<0.01	3.3	0.6	0.07	9	<0.5	<0.2
123042	Soil	13	45	0.32	364	0.033	<1	1.33	0.007	0.10	<0.1	0.03	5.4	0.4	0.17	4	1.6	<0.2
123043	Soil	15	41	0.47	702	0.063	<1	1.61	0.013	0.05	<0.1	0.11	5.7	0.1	<0.05	5	<0.5	<0.2
123044	Soil	4	34	0.36	395	0.057	<1	1.18	0.015	0.03	<0.1	0.02	4.0	0.1	<0.05	3	<0.5	<0.2
123045	Soil	4	42	0.42	229	0.099	<1	1.10	0.014	0.03	<0.1	0.03	4.1	0.2	0.06	3	0.5	<0.2
123046	Soil	19	64	0.60	734	0.085	<1	1.81	0.008	0.14	<0.1	0.02	5.5	0.3	0.15	6	1.4	<0.2
123047	Soil	13	42	0.57	313	0.085	<1	1.52	0.011	0.05	<0.1	0.10	4.1	0.2	<0.05	4	0.6	<0.2
123048	Soil	12	32	0.49	286	0.054	<1	1.78	0.008	0.06	0.1	0.09	2.7	0.2	<0.05	5	<0.5	<0.2
123049	Soil	22	26	0.43	168	0.086	<1	1.66	0.007	0.08	0.1	0.06	2.7	0.2	<0.05	5	<0.5	<0.2
123050	Soil	21	31	0.63	164	0.122	<1	2.15	0.007	0.22	0.1	0.02	3.3	0.3	0.05	6	<0.5	<0.2
123051	Soil	51	30	0.61	223	0.148	2	1.68	0.006	0.53	<0.1	0.02	4.0	0.5	<0.05	6	<0.5	<0.2
123052	Soil	13	20	0.15	151	0.023	1	0.81	0.004	0.05	<0.1	0.26	2.6	0.5	<0.05	3	1.0	<0.2
123053	Soil	15	25	0.30	234	0.041	1	1.12	0.005	0.04	<0.1	0.17	3.7	0.1	<0.05	3	0.8	<0.2
123054	Soil	17	21	0.25	134	0.043	1	1.16	0.005	0.04	<0.1	0.09	2.6	0.2	<0.05	3	<0.5	<0.2
123055	Soil	16	26	0.30	240	0.047	1	1.36	0.006	0.04	0.1	0.14	4.2	0.1	<0.05	4	<0.5	<0.2
123056	Soil	24	13	0.23	182	0.047	1	1.29	0.003	0.16	<0.1	0.14	6.3	0.2	<0.05	4	<0.5	<0.2
123057	Soil	22	24	0.14	1212	0.025	1	0.90	0.004	0.04	0.1	0.37	6.7	0.6	<0.05	3	<0.5	<0.2
123058	Soil	10	27	0.24	198	0.028	1	1.50	0.004	0.07	<0.1	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
123059	Soil	9	10	0.95	1080	0.101	2	1.72	0.008	0.71	<0.1	0.03	9.2	<0.1	<0.05	7	<0.5	<0.2
123060	Soil	21	17	0.14	176	0.016	<1	0.69	0.003	0.12	<0.1	0.01	1.6	0.5	<0.05	2	<0.5	<0.2
123061	Soil	32	32	0.30	165	0.021	2	1.07	0.003	0.15	<0.1	0.02	2.6	0.4	<0.05	4	<0.5	<0.2
123062	Soil	15	28	0.40	306	0.051	1	1.51	0.006	0.05	<0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
123063	Soil	0.9	34.3	21.4	159	0.5	35.9	9.6	342	3.92	38.5	2.1	31.9	14.8	18	0.2	1.7	0.3	26	0.03	0.034
123064	Soil	1.1	67.1	13.2	148	<0.1	66.6	15.3	1222	3.15	12.3	2.0	2.4	4.4	4	0.3	1.8	0.2	50	0.03	0.032
123065	Soil	0.2	30.5	16.2	203	<0.1	12.9	3.6	451	3.14	4.2	1.5	3.7	11.6	6	0.2	0.5	0.2	16	0.05	0.014
123066	Soil	1.1	19.7	11.1	63	0.2	30.2	11.2	342	3.32	19.8	1.1	4.1	7.5	10	0.1	1.6	0.1	48	0.07	0.024
123067	Soil	0.9	19.8	13.4	67	<0.1	24.1	6.7	169	2.48	44.2	2.0	2.9	8.1	20	0.1	2.5	0.1	35	0.05	0.014
123068	Soil	0.4	69.9	6.8	61	<0.1	23.0	9.9	446	1.76	4.8	0.5	4.5	3.5	11	<0.1	0.2	<0.1	28	0.14	0.017
123069	Soil	0.9	57.9	8.4	74	<0.1	38.0	9.1	532	2.27	7.4	1.9	5.9	4.3	14	<0.1	0.7	0.1	47	0.14	0.016
123070	Soil	0.6	65.3	8.2	88	<0.1	25.9	11.1	1030	3.46	13.7	1.5	3.6	4.1	12	<0.1	1.3	<0.1	64	0.09	0.018
123071	Soil	1.1	27.2	9.7	76	<0.1	37.0	8.0	251	3.10	7.8	1.5	2.7	8.5	10	<0.1	0.5	0.1	41	0.08	0.036
123072	Soil	1.4	23.8	15.7	60	<0.1	28.8	10.4	421	2.60	18.0	1.3	3.3	5.7	12	<0.1	1.1	0.1	43	0.08	0.026
123073	Soil	1.1	17.2	17.4	50	0.2	19.0	6.5	321	1.92	15.6	1.0	3.3	5.1	10	<0.1	0.7	0.1	36	0.06	0.026
123074	Soil	1.0	29.0	10.2	55	<0.1	24.2	6.6	220	2.32	18.9	2.1	7.0	5.5	15	<0.1	1.1	0.1	38	0.12	0.020
123075	Soil	0.9	23.7	16.3	45	<0.1	17.3	4.0	132	1.75	35.4	1.7	3.9	6.6	17	<0.1	2.4	0.1	27	0.04	0.023
123076	Soil	1.5	39.0	16.4	103	<0.1	35.2	7.6	245	2.76	41.2	1.8	3.2	8.3	19	0.1	1.8	0.2	36	0.05	0.029
123077	Soil	1.0	34.4	11.9	64	0.2	29.9	8.1	318	2.36	17.6	2.7	7.5	4.6	24	0.1	0.9	0.1	41	0.31	0.038
123078	Soil	1.0	31.8	12.7	73	0.2	26.2	7.1	259	2.36	23.5	2.2	4.1	5.1	23	0.1	1.1	0.1	39	0.24	0.036
123079	Soil	1.0	31.3	12.1	66	0.2	24.4	6.4	242	2.21	19.9	2.0	3.7	4.2	21	0.1	0.9	0.1	37	0.25	0.034
123080	Soil	0.9	28.9	11.1	53	0.1	21.3	5.7	219	1.99	15.2	1.6	3.2	4.3	21	<0.1	0.8	0.1	36	0.26	0.035
123081	Soil	1.0	31.9	11.4	66	0.2	25.3	6.9	236	2.37	17.1	1.9	3.0	4.1	23	0.1	0.8	0.1	38	0.32	0.045
123082	Soil	1.0	34.5	11.7	64	0.2	29.8	10.0	425	2.65	15.7	2.4	3.8	3.8	28	0.2	0.9	0.1	42	0.48	0.044
123083	Soil	1.0	29.2	11.2	66	0.2	27.4	8.7	375	2.67	14.4	1.9	8.6	4.1	27	0.1	0.7	0.1	45	0.45	0.048
123084	Soil	1.0	30.0	10.9	65	0.2	25.8	8.3	309	2.69	14.2	1.7	5.1	3.8	26	0.1	0.8	0.1	43	0.42	0.043
123085	Soil	1.0	29.3	10.7	73	0.2	25.8	8.2	290	2.58	15.2	1.8	4.0	7.4	24	0.1	1.1	0.1	41	0.38	0.042
123086	Soil	1.0	31.5	10.7	65	0.1	27.2	8.9	286	2.40	12.2	3.5	2.8	4.2	27	0.2	0.9	0.1	42	0.43	0.044
123087	Soil	0.8	25.4	9.7	58	0.1	23.0	6.4	178	2.39	10.7	2.0	3.1	4.4	26	<0.1	0.8	0.2	42	0.45	0.044
123088	Soil	0.8	18.7	6.1	25	<0.1	16.5	5.8	192	1.48	7.8	0.6	2.6	3.5	10	<0.1	0.6	0.1	29	0.12	0.012
123089	Soil	0.8	13.9	7.1	46	<0.1	15.0	4.9	161	1.65	6.7	1.0	1.7	4.9	17	0.1	0.5	0.2	29	0.29	0.055
123090	Soil	0.8	13.7	7.1	45	<0.1	15.0	4.9	161	1.60	6.3	1.0	1.1	4.5	18	0.1	0.5	0.2	28	0.28	0.052
123091	Soil	0.8	43.9	10.6	68	0.2	32.5	9.8	245	2.56	9.5	2.6	3.7	5.0	30	0.3	1.0	0.2	45	0.57	0.060
123092	Soil	0.8	26.7	9.5	58	0.1	23.8	7.5	265	2.43	8.5	1.0	3.2	4.4	24	0.1	0.8	0.2	43	0.41	0.051



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
123063	Soil	57	18	0.10	220	0.008	<1	0.62	0.002	0.05	<0.1	0.04	3.8	0.3	<0.05	2	0.9
123064	Soil	7	22	0.14	140	0.008	1	0.93	0.002	0.04	<0.1	<0.01	6.6	0.2	<0.05	3	0.5
123065	Soil	33	14	0.76	254	0.084	1	1.74	0.003	0.73	<0.1	0.01	5.6	0.6	<0.05	8	<0.5
123066	Soil	12	32	0.37	220	0.033	1	1.90	0.005	0.06	<0.1	0.03	2.9	0.2	<0.05	4	<0.5
123067	Soil	21	21	0.20	183	0.021	<1	1.05	0.003	0.07	<0.1	0.14	3.2	0.4	<0.05	3	<0.5
123068	Soil	15	18	1.20	305	0.051	<1	1.76	0.005	0.08	<0.1	<0.01	2.5	<0.1	<0.05	6	<0.5
123069	Soil	20	30	0.73	627	0.072	1	1.91	0.007	0.06	0.1	0.05	4.0	0.3	<0.05	6	<0.5
123070	Soil	15	11	0.78	1031	0.161	<1	1.55	0.004	0.64	<0.1	0.04	8.2	0.3	<0.05	7	<0.5
123071	Soil	30	36	0.60	287	0.065	<1	1.60	0.004	0.35	<0.1	0.01	3.1	0.3	<0.05	5	0.5
123072	Soil	15	28	0.34	269	0.033	1	1.40	0.004	0.07	<0.1	0.02	2.6	0.2	<0.05	4	<0.5
123073	Soil	15	18	0.21	240	0.022	<1	0.94	0.003	0.09	<0.1	<0.01	1.5	0.2	<0.05	3	<0.5
123074	Soil	17	24	0.29	357	0.033	<1	1.08	0.006	0.05	0.1	0.06	3.7	<0.1	<0.05	3	<0.5
123075	Soil	16	14	0.10	216	0.014	<1	0.57	0.003	0.05	<0.1	0.03	2.1	<0.1	<0.05	2	0.7
123076	Soil	17	16	0.09	200	0.012	1	0.55	0.003	0.07	<0.1	0.03	2.8	0.1	<0.05	2	0.7
123077	Soil	16	23	0.34	502	0.032	1	1.31	0.008	0.05	<0.1	0.06	3.4	<0.1	<0.05	4	0.6
123078	Soil	15	20	0.25	339	0.029	1	1.10	0.007	0.06	<0.1	0.06	2.9	0.1	<0.05	3	<0.5
123079	Soil	14	20	0.27	287	0.031	<1	1.17	0.007	0.07	<0.1	0.06	2.7	0.1	<0.05	4	<0.5
123080	Soil	15	21	0.30	289	0.041	1	1.15	0.009	0.06	<0.1	0.04	2.5	<0.1	<0.05	3	<0.5
123081	Soil	15	23	0.32	335	0.034	<1	1.33	0.007	0.05	0.1	0.05	2.9	<0.1	<0.05	4	<0.5
123082	Soil	16	26	0.40	441	0.045	1	1.53	0.013	0.06	0.1	0.05	3.4	<0.1	<0.05	4	0.6
123083	Soil	16	28	0.41	373	0.053	1	1.67	0.010	0.06	0.1	0.04	3.6	<0.1	<0.05	5	<0.5
123084	Soil	15	28	0.38	342	0.048	<1	1.58	0.010	0.05	0.1	0.05	3.4	<0.1	<0.05	5	<0.5
123085	Soil	21	29	0.46	373	0.060	1	1.54	0.014	0.08	0.1	0.06	3.7	0.1	<0.05	5	<0.5
123086	Soil	19	28	0.43	354	0.052	1	1.57	0.011	0.07	<0.1	0.05	3.3	<0.1	<0.05	5	0.6
123087	Soil	17	27	0.44	368	0.050	1	1.67	0.011	0.06	0.1	0.05	3.2	0.1	<0.05	5	<0.5
123088	Soil	9	19	0.29	137	0.035	<1	1.50	0.005	0.04	0.1	0.01	1.7	<0.1	<0.05	3	<0.5
123089	Soil	13	21	0.48	199	0.051	<1	1.26	0.007	0.08	0.2	<0.01	1.8	0.1	<0.05	4	<0.5
123090	Soil	14	20	0.48	201	0.052	<1	1.25	0.007	0.08	0.3	<0.01	1.7	0.1	<0.05	4	<0.5
123091	Soil	19	25	0.51	513	0.053	1	1.64	0.016	0.06	0.2	0.08	3.5	<0.1	<0.05	5	0.9
123092	Soil	16	25	0.48	383	0.052	<1	1.54	0.016	0.06	0.2	0.05	3.0	<0.1	<0.05	5	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
123093	Soil	1.0	33.2	8.5	54	0.2	27.5	9.0	422	2.55	9.1	6.0	3.1	3.7	32	0.1	0.8	0.2	42	0.56	0.058
123094	Soil	0.9	30.0	9.6	58	0.2	26.8	8.8	445	2.61	9.4	2.6	3.1	3.5	33	0.1	0.6	0.2	44	0.52	0.044
123095	Soil	1.0	31.6	9.7	64	0.2	28.7	8.9	387	2.63	10.9	1.9	4.3	4.1	30	0.2	0.9	0.2	46	0.54	0.063
123096	Soil	0.9	34.1	9.5	64	0.1	31.3	9.0	341	2.88	11.0	1.4	3.1	4.7	30	<0.1	0.9	0.2	53	0.45	0.040
123097	Soil	1.1	26.4	8.3	60	<0.1	23.9	7.8	320	2.58	13.2	1.8	3.6	7.4	22	<0.1	1.1	0.1	42	0.34	0.028
123098	Soil	1.0	31.9	9.8	49	0.2	30.2	11.1	380	2.99	14.1	4.2	2.6	4.7	45	0.2	1.0	0.2	52	0.69	0.040
123099	Soil	0.9	29.8	9.2	59	0.2	27.9	9.4	425	2.63	10.7	1.1	3.5	3.9	33	0.2	0.8	0.2	46	0.54	0.053
123100	Soil	0.8	33.7	8.1	60	0.2	29.6	7.4	306	2.54	10.1	1.2	3.6	4.9	28	0.1	0.8	0.1	41	0.44	0.052
123101	Soil	0.8	29.6	8.3	52	<0.1	25.4	7.7	256	2.53	10.1	1.6	2.7	4.0	30	<0.1	0.7	0.1	44	0.47	0.056
123102	Soil	1.0	30.7	9.8	67	0.2	28.8	10.4	402	2.75	11.8	1.1	3.8	5.1	34	0.2	1.0	0.2	51	0.52	0.048
123103	Soil	0.8	30.2	8.8	52	0.2	28.1	8.5	372	2.59	10.4	2.4	12.8	3.8	29	<0.1	0.7	0.1	46	0.46	0.044
123104	Soil	0.8	21.2	7.3	63	<0.1	22.5	7.7	248	2.44	10.0	1.2	2.5	7.2	23	<0.1	0.9	0.1	40	0.36	0.045
123105	Soil	1.2	12.6	7.8	52	<0.1	15.9	7.5	281	2.32	11.4	0.8	<0.5	5.3	16	<0.1	0.9	0.1	41	0.21	0.028
123106	Soil	0.2	19.3	8.2	61	0.1	17.3	5.3	157	1.60	3.7	2.0	2.5	4.7	25	0.2	0.8	0.1	36	0.37	0.056
123107	Soil	0.5	16.6	7.1	65	0.1	20.3	7.5	252	1.80	5.6	3.1	4.7	4.7	23	0.2	0.7	0.1	36	0.38	0.066
123108	Soil	0.9	24.8	7.1	76	0.1	26.0	8.0	367	2.12	8.8	0.8	1.8	3.0	32	0.5	0.8	0.1	37	0.69	0.065
123109	Soil	0.8	23.3	6.9	61	<0.1	23.6	7.4	372	2.13	7.8	0.5	1.6	3.5	46	0.3	0.6	0.1	37	1.49	0.066
123110	Soil	1.0	26.4	7.4	55	0.1	24.6	7.2	175	1.94	7.6	0.6	1.7	3.9	22	0.3	0.9	0.1	35	0.47	0.057
123111	Soil	1.6	23.5	7.3	56	0.1	24.4	8.6	342	2.38	10.0	1.4	2.2	2.8	37	0.3	0.7	0.1	40	0.99	0.069
123112	Soil	0.9	25.6	7.0	59	0.1	22.8	7.0	250	2.15	8.3	0.5	3.0	3.8	25	0.2	0.7	0.1	38	0.66	0.065
123113	Soil	0.8	24.8	6.9	61	0.1	24.5	7.9	324	2.27	8.2	0.5	1.5	4.0	23	0.2	0.7	0.2	40	0.42	0.072
123114	Soil	0.9	22.6	6.5	55	<0.1	24.1	7.3	423	2.02	8.8	0.4	1.7	3.9	21	0.3	0.7	0.1	35	0.37	0.069
123115	Soil	0.8	22.1	6.6	52	0.1	21.0	6.8	365	2.21	6.5	0.8	45.3	4.8	23	0.3	0.6	0.1	45	0.46	0.078
123116	Soil	0.9	23.1	7.9	52	0.2	22.8	8.5	482	2.32	8.1	1.0	9.0	2.7	35	0.2	0.7	0.1	41	0.67	0.079
123117	Soil	1.2	23.4	7.4	56	0.1	23.9	8.3	255	2.33	9.8	1.0	5.3	4.4	29	0.3	0.7	0.1	44	0.51	0.066
123118	Soil	0.9	26.0	7.8	56	0.1	26.4	8.4	338	2.41	8.5	1.2	2.7	4.2	30	0.2	0.7	0.2	45	0.55	0.064
123119	Soil	0.9	25.3	7.4	58	0.1	24.9	8.5	386	2.40	7.9	1.3	7.7	3.9	32	0.2	0.7	0.1	49	0.59	0.074
123120	Soil	0.9	25.6	6.2	56	<0.1	25.4	7.4	331	2.21	7.9	0.5	5.9	4.0	26	0.2	0.7	0.1	44	0.43	0.067
145001	Soil	1.1	11.7	8.4	58	<0.1	18.9	8.5	265	3.31	8.9	0.4	1.0	3.6	15	<0.1	0.4	0.1	75	0.19	0.024
145002	Soil	1.4	9.9	8.8	50	0.2	10.7	5.3	230	2.65	6.9	0.7	1.1	3.8	13	<0.1	0.4	0.2	54	0.15	0.060



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
123093	Soil	16	24	0.50	473	0.045	<1	1.46	0.017	0.05	0.2	0.05	3.2	<0.1	<0.05	4	0.7	<0.2
123094	Soil	16	27	0.50	412	0.045	<1	1.81	0.014	0.06	0.1	0.05	3.4	<0.1	<0.05	5	0.5	<0.2
123095	Soil	16	25	0.54	419	0.049	<1	1.56	0.017	0.06	0.2	0.06	3.1	<0.1	<0.05	5	0.7	<0.2
123096	Soil	17	30	0.55	450	0.069	<1	1.82	0.018	0.07	0.2	0.05	4.0	<0.1	<0.05	5	<0.5	<0.2
123097	Soil	16	27	0.43	254	0.072	<1	1.79	0.012	0.10	0.1	0.02	3.7	0.2	<0.05	5	<0.5	<0.2
123098	Soil	17	28	0.46	451	0.053	<1	1.91	0.014	0.05	0.1	0.05	3.8	<0.1	<0.05	5	0.9	<0.2
123099	Soil	16	26	0.52	454	0.051	<1	1.73	0.017	0.06	0.2	0.04	3.1	<0.1	<0.05	5	0.6	<0.2
123100	Soil	16	25	0.48	402	0.057	<1	1.53	0.017	0.06	0.2	0.04	3.4	<0.1	<0.05	5	<0.5	<0.2
123101	Soil	17	24	0.50	421	0.054	<1	1.52	0.016	0.06	0.2	0.04	3.2	<0.1	<0.05	5	<0.5	<0.2
123102	Soil	17	28	0.44	474	0.070	<1	1.88	0.017	0.08	0.1	0.04	3.6	0.1	<0.05	5	<0.5	<0.2
123103	Soil	16	27	0.50	426	0.056	<1	1.66	0.016	0.07	0.2	0.05	3.4	<0.1	<0.05	5	0.7	<0.2
123104	Soil	17	27	0.41	331	0.069	<1	1.46	0.015	0.09	0.1	0.04	3.5	0.1	<0.05	5	<0.5	<0.2
123105	Soil	11	21	0.38	179	0.056	<1	1.27	0.009	0.13	0.2	<0.01	2.1	0.1	<0.05	5	<0.5	<0.2
123106	Soil	18	23	0.43	310	0.055	<1	1.23	0.016	0.06	0.3	0.05	2.6	0.1	<0.05	4	<0.5	<0.2
123107	Soil	19	22	0.43	255	0.053	<1	1.21	0.015	0.07	0.3	0.05	2.5	0.1	<0.05	4	<0.5	<0.2
123108	Soil	13	19	0.52	336	0.042	2	0.98	0.018	0.08	0.2	0.03	2.1	<0.1	<0.05	3	0.7	<0.2
123109	Soil	12	20	0.71	331	0.050	1	0.97	0.025	0.08	0.3	0.02	2.1	<0.1	0.07	3	<0.5	<0.2
123110	Soil	13	19	0.44	244	0.047	<1	0.94	0.015	0.07	0.3	0.03	2.2	<0.1	<0.05	3	0.6	<0.2
123111	Soil	14	21	0.45	463	0.041	1	1.09	0.016	0.06	0.5	0.05	2.2	<0.1	0.08	3	1.0	<0.2
123112	Soil	14	20	0.59	315	0.048	<1	0.97	0.019	0.07	0.3	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
123113	Soil	14	21	0.50	261	0.051	<1	1.04	0.019	0.07	0.2	0.02	2.4	0.1	<0.05	3	<0.5	<0.2
123114	Soil	13	18	0.41	277	0.041	<1	0.86	0.015	0.07	0.4	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
123115	Soil	16	23	0.38	339	0.051	<1	0.83	0.015	0.06	1.4	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
123116	Soil	14	23	0.41	433	0.035	<1	1.29	0.014	0.05	0.2	0.05	2.6	<0.1	0.06	4	0.8	<0.2
123117	Soil	15	22	0.46	289	0.055	1	1.08	0.019	0.07	0.4	0.03	2.5	<0.1	0.05	4	0.9	<0.2
123118	Soil	15	25	0.47	387	0.051	1	1.32	0.016	0.06	0.3	0.03	3.1	<0.1	0.06	4	0.7	<0.2
123119	Soil	15	27	0.49	273	0.058	1	1.28	0.023	0.07	0.3	0.03	2.9	<0.1	<0.05	4	0.6	<0.2
123120	Soil	13	24	0.44	234	0.053	1	1.07	0.020	0.09	0.2	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
145001	Soil	11	39	0.78	231	0.120	<1	2.18	0.010	0.16	0.1	<0.01	2.0	0.2	<0.05	7	<0.5	<0.2
145002	Soil	16	25	0.47	177	0.098	<1	1.61	0.007	0.20	0.1	0.01	2.2	0.2	<0.05	8	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
145003	Soil	0.8	10.0	7.5	62	<0.1	12.3	7.3	260	2.56	4.5	0.5	1.9	3.7	9	<0.1	0.2	0.1	63	0.13	0.025
145004	Soil	0.8	15.7	8.5	63	<0.1	20.9	9.6	272	3.01	12.7	1.1	2.6	9.3	13	<0.1	0.6	0.1	59	0.18	0.016
145005	Soil	0.6	13.5	9.1	70	<0.1	15.4	10.5	301	3.18	5.1	0.8	1.5	7.9	12	<0.1	0.2	<0.1	65	0.20	0.030
145006	Soil	1.0	12.8	10.9	56	0.2	12.9	9.7	371	3.02	9.2	1.2	1.9	7.7	10	<0.1	0.4	0.2	60	0.15	0.068
145007	Soil	0.9	13.9	13.2	64	<0.1	13.4	6.6	233	3.01	10.2	2.0	6.7	14.3	12	<0.1	0.6	0.2	47	0.17	0.041
145008	Soil	1.2	16.5	12.4	63	<0.1	17.4	7.4	232	3.14	12.0	2.3	1.4	9.5	13	<0.1	0.6	0.2	57	0.16	0.033
145009	Soil	0.7	30.1	19.1	128	<0.1	21.4	16.9	674	5.14	5.5	2.5	0.9	14.7	9	<0.1	0.4	<0.1	82	0.12	0.024
145010	Soil	0.9	32.7	12.5	74	<0.1	20.6	10.8	416	3.16	23.6	7.2	4.6	12.0	15	<0.1	1.6	0.1	57	0.14	0.021
145011	Soil	0.8	19.9	9.0	53	<0.1	18.7	8.9	205	2.86	48.4	0.9	0.8	4.6	11	<0.1	2.2	0.1	58	0.11	0.017
145012	Soil	1.1	44.9	9.8	63	<0.1	29.8	12.0	200	3.33	27.1	2.0	4.8	5.7	10	<0.1	2.1	0.1	101	0.14	0.015
145013	Soil	1.5	49.1	5.6	115	0.2	56.4	62.0	1062	5.16	46.2	1.4	3.5	3.7	12	0.3	2.4	0.1	108	0.13	0.033
145014	Soil	1.5	39.2	12.8	69	0.2	28.4	10.7	252	3.24	28.2	0.9	6.7	5.3	15	0.2	1.5	0.2	71	0.14	0.017
145015	Soil	1.6	30.1	7.7	52	0.3	22.6	15.7	369	2.82	43.5	1.0	8.2	2.7	17	0.1	2.8	0.1	73	0.16	0.045
145016	Soil	1.1	34.5	8.2	80	<0.1	30.2	13.6	305	3.16	33.0	0.7	3.6	3.7	14	0.2	2.1	0.1	70	0.17	0.017
145017	Soil	0.5	40.7	1.2	21	<0.1	30.0	20.6	156	2.39	4.2	0.2	<0.5	0.4	6	<0.1	0.2	<0.1	41	0.19	0.021
145018	Soil	0.3	33.0	2.0	23	<0.1	24.5	11.9	142	1.76	6.5	0.2	<0.5	0.9	7	<0.1	0.3	<0.1	40	0.23	0.026
145019	Soil	1.0	26.6	9.3	58	0.3	19.5	9.0	336	2.48	21.9	1.3	9.1	4.1	17	0.2	1.4	0.1	54	0.22	0.039
145020	Soil	1.0	21.9	7.6	53	<0.1	17.5	9.3	285	2.48	20.2	1.4	6.2	4.7	17	<0.1	1.3	0.1	53	0.25	0.035
145021	Soil	0.9	29.4	7.1	48	0.2	24.6	12.1	515	2.38	21.8	0.9	1.7	3.2	13	<0.1	1.5	0.1	53	0.23	0.020
145022	Soil	1.3	29.2	11.4	61	0.2	21.7	11.2	303	3.21	44.5	1.9	3.9	10.0	15	0.1	2.9	0.2	65	0.18	0.020
145023	Soil	0.7	17.4	11.0	60	<0.1	16.1	7.7	216	2.76	13.2	2.3	0.8	10.4	14	<0.1	0.7	0.2	51	0.17	0.016
145024	Soil	1.1	21.1	11.7	107	<0.1	14.8	11.4	398	5.23	16.9	3.1	<0.5	20.5	11	<0.1	1.3	0.3	82	0.18	0.046
145025	Soil	0.5	10.6	9.0	68	<0.1	13.2	7.7	288	3.18	6.5	0.7	2.1	5.4	11	<0.1	0.3	<0.1	60	0.17	0.041
145026	Soil	0.7	12.2	7.3	74	<0.1	14.4	9.3	308	3.23	7.2	0.6	0.7	3.9	12	<0.1	0.2	<0.1	62	0.23	0.049
145027	Soil	1.3	20.3	10.2	56	<0.1	18.6	9.6	198	3.10	9.7	0.7	3.0	7.1	11	0.1	0.4	0.1	59	0.16	0.030
145028	Soil	0.9	28.3	14.7	58	0.2	25.3	9.0	227	2.92	12.9	1.8	3.1	7.7	12	0.1	0.5	0.2	63	0.12	0.019
145029	Soil	0.7	25.9	12.1	50	<0.1	20.9	7.4	179	2.67	11.7	2.0	2.5	6.4	11	0.1	0.5	0.2	51	0.10	0.012
145030	Soil	0.9	36.1	10.8	55	<0.1	25.2	9.1	273	2.83	15.6	2.8	4.4	6.2	14	<0.1	0.9	0.2	57	0.14	0.014
145031	Soil	1.8	37.1	13.5	50	<0.1	20.0	8.5	232	2.85	32.1	3.0	2.4	7.8	8	0.1	3.7	0.3	50	0.05	0.022
145032	Soil	1.4	32.9	12.9	63	<0.1	26.0	11.0	248	2.88	26.8	2.2	1.5	7.7	7	<0.1	3.4	0.2	45	0.04	0.020



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145003	Soil	9	38	0.70	141	0.152	1	1.51	0.006	0.35	0.2	0.01	2.7	0.3	<0.05	9	0.5	<0.2
145004	Soil	44	54	0.80	195	0.107	<1	1.68	0.006	0.23	0.1	0.03	3.6	0.2	<0.05	5	<0.5	<0.2
145005	Soil	41	48	1.04	211	0.134	<1	2.05	0.006	0.52	0.1	<0.01	3.2	0.2	<0.05	7	<0.5	<0.2
145006	Soil	22	33	0.57	151	0.091	<1	1.62	0.006	0.22	0.2	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
145007	Soil	56	26	0.49	146	0.069	1	1.81	0.005	0.24	0.1	<0.01	4.2	0.3	<0.05	6	<0.5	<0.2
145008	Soil	34	28	0.54	205	0.084	1	1.99	0.006	0.19	0.2	0.02	3.8	0.3	<0.05	7	<0.5	<0.2
145009	Soil	63	60	1.60	397	0.268	<1	3.42	0.006	1.59	0.1	0.02	4.9	0.9	<0.05	10	<0.5	<0.2
145010	Soil	43	31	0.50	311	0.086	<1	1.94	0.005	0.26	0.1	0.14	9.4	0.5	<0.05	7	0.5	<0.2
145011	Soil	12	28	0.39	196	0.047	<1	1.64	0.005	0.04	0.1	0.07	4.2	0.2	<0.05	5	<0.5	<0.2
145012	Soil	16	61	0.18	154	0.006	<1	1.15	0.002	0.03	<0.1	0.13	16.0	0.1	<0.05	4	<0.5	<0.2
145013	Soil	5	73	0.21	542	0.012	1	1.83	0.003	0.05	<0.1	0.22	11.4	0.9	<0.05	5	0.7	<0.2
145014	Soil	13	37	0.48	668	0.044	<1	2.09	0.005	0.06	0.2	0.13	3.8	0.1	<0.05	6	0.5	<0.2
145015	Soil	9	33	0.26	1311	0.048	<1	1.69	0.006	0.05	<0.1	0.18	6.3	0.6	<0.05	5	<0.5	<0.2
145016	Soil	9	41	0.42	663	0.045	<1	1.76	0.006	0.04	<0.1	0.12	6.1	0.2	<0.05	5	<0.5	<0.2
145017	Soil	1	26	0.35	126	0.047	<1	0.93	0.008	0.02	<0.1	<0.01	2.9	<0.1	<0.05	2	<0.5	<0.2
145018	Soil	3	32	0.38	149	0.056	<1	0.80	0.008	0.05	<0.1	<0.01	2.8	<0.1	<0.05	2	<0.5	<0.2
145019	Soil	14	30	0.40	417	0.044	<1	1.41	0.008	0.05	0.2	0.07	4.7	<0.1	<0.05	4	<0.5	<0.2
145020	Soil	16	29	0.44	401	0.049	<1	1.40	0.008	0.04	0.1	0.11	4.8	<0.1	<0.05	4	<0.5	<0.2
145021	Soil	11	29	0.32	529	0.044	<1	1.16	0.007	0.03	<0.1	0.06	4.7	0.1	<0.05	4	<0.5	<0.2
145022	Soil	25	38	0.46	281	0.041	<1	1.96	0.005	0.06	<0.1	0.19	7.5	0.3	<0.05	6	0.6	<0.2
145023	Soil	28	28	0.49	207	0.073	<1	1.81	0.007	0.14	0.1	0.05	4.6	0.3	<0.05	6	<0.5	<0.2
145024	Soil	50	31	1.10	135	0.187	<1	3.15	0.006	1.14	0.2	0.01	9.9	1.1	<0.05	14	<0.5	<0.2
145025	Soil	18	40	0.88	160	0.131	<1	2.04	0.006	0.47	0.2	0.01	3.2	0.4	<0.05	8	<0.5	<0.2
145026	Soil	19	79	1.06	173	0.142	<1	2.00	0.007	0.54	0.2	<0.01	2.5	0.3	<0.05	8	<0.5	<0.2
145027	Soil	14	35	0.65	178	0.079	<1	1.92	0.006	0.15	0.1	<0.01	2.6	0.2	<0.05	6	<0.5	<0.2
145028	Soil	26	35	0.44	281	0.046	<1	2.03	0.007	0.05	0.1	0.04	4.7	0.1	<0.05	6	0.6	<0.2
145029	Soil	25	33	0.49	290	0.048	<1	1.91	0.006	0.05	0.1	0.08	6.0	<0.1	<0.05	5	<0.5	<0.2
145030	Soil	21	33	0.50	302	0.053	<1	1.77	0.009	0.05	0.1	0.11	6.3	<0.1	<0.05	5	<0.5	<0.2
145031	Soil	20	28	0.28	158	0.029	1	1.72	0.005	0.04	0.1	0.08	5.7	0.2	<0.05	5	<0.5	<0.2
145032	Soil	21	26	0.29	156	0.035	<1	1.48	0.004	0.05	0.1	0.04	4.7	0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
145033	Soil	1.6	47.9	17.6	100	<0.1	32.5	12.1	246	3.83	40.1	2.4	1.5	15.5	6	0.2	4.8	0.3	42	0.02	0.034
145034	Soil	1.3	43.1	15.3	60	0.3	23.0	8.7	175	2.95	54.1	1.6	7.7	6.8	9	0.1	4.3	0.2	55	0.07	0.023
145035	Soil	2.2	41.9	20.0	57	0.3	20.8	8.9	185	2.90	43.0	2.2	5.7	7.5	11	0.1	2.4	0.2	68	0.06	0.030
145036	Soil	2.4	28.1	19.7	60	0.2	17.2	7.2	152	2.63	31.4	1.7	4.7	6.9	12	0.2	3.1	0.2	61	0.06	0.031
145037	Soil	2.6	24.3	18.4	55	0.2	15.1	5.7	127	2.38	34.0	1.9	2.3	4.3	13	0.1	4.9	0.2	57	0.06	0.033
145038	Soil	1.6	31.1	13.3	56	<0.1	19.1	7.8	176	2.51	30.5	1.3	3.9	6.2	13	0.2	3.4	0.2	51	0.10	0.024
145039	Soil	1.7	41.1	16.0	66	0.2	27.8	10.3	352	3.21	27.6	2.2	7.5	5.1	26	<0.1	2.7	0.3	63	0.28	0.053
145040	Soil	1.6	47.5	13.1	91	0.2	39.0	15.1	460	3.47	29.5	2.2	6.0	7.1	25	0.1	4.6	0.2	53	0.23	0.055
145041	Soil	1.5	20.9	13.9	52	0.2	15.8	7.9	273	2.65	24.4	1.3	2.6	5.1	13	0.1	2.3	0.2	53	0.10	0.026
145042	Soil	1.2	19.2	15.0	59	0.1	17.3	8.3	267	2.74	20.8	2.5	1.9	6.9	18	<0.1	2.0	0.2	48	0.14	0.025
145043	Soil	0.7	41.2	7.5	60	<0.1	21.9	10.7	416	3.00	9.4	2.3	9.6	5.3	19	<0.1	0.9	0.1	63	0.21	0.047
145044	Soil	0.5	98.6	7.1	83	<0.1	29.4	14.0	694	3.82	4.4	1.0	4.1	4.0	17	<0.1	0.8	0.2	88	0.19	0.043
145045	Soil	1.0	31.5	14.6	68	0.2	22.8	10.8	396	2.98	22.8	1.7	4.7	4.9	20	<0.1	2.1	0.2	48	0.19	0.037
145046	Soil	0.7	30.5	11.8	56	0.2	22.0	8.9	301	2.74	16.7	2.0	4.2	6.4	23	<0.1	1.8	0.2	48	0.27	0.039
145047	Soil	1.1	27.4	13.8	68	0.4	21.9	12.9	809	2.88	15.8	2.1	2.9	3.3	29	0.2	1.8	0.2	51	0.52	0.055
145048	Soil	0.6	35.0	11.4	89	0.2	26.6	11.5	837	2.72	12.1	2.0	5.3	4.1	33	0.2	1.6	0.2	45	0.79	0.086
145049	Soil	0.4	39.4	14.4	103	0.2	35.1	13.4	790	3.11	11.2	2.2	3.3	4.8	39	0.1	1.6	0.2	48	1.14	0.080
145050	Soil	0.6	65.2	35.6	108	0.4	40.8	10.0	1075	2.83	16.3	3.7	7.6	5.7	40	0.3	2.3	0.2	52	1.58	0.063
145051	Soil	0.8	77.5	27.4	157	0.2	41.5	14.5	983	3.39	29.8	5.5	6.4	6.7	30	0.6	2.0	0.2	55	0.66	0.059
145052	Soil	0.7	46.6	11.4	73	<0.1	26.6	8.6	281	2.73	13.9	1.6	2.7	5.4	29	<0.1	1.2	0.2	50	0.47	0.054
145053	Soil	0.9	37.2	12.1	84	<0.1	23.8	11.8	541	2.83	14.6	0.9	2.3	5.7	29	<0.1	1.1	0.2	48	0.47	0.076
145054	Soil	1.0	44.8	12.4	64	0.1	29.8	9.1	376	2.90	13.7	2.1	2.8	6.2	36	<0.1	1.2	0.2	53	0.53	0.057
145055	Soil	0.9	36.9	11.7	65	<0.1	24.7	7.6	241	2.78	13.2	1.6	3.6	6.0	29	<0.1	1.0	0.2	51	0.43	0.046
145056	Soil	1.1	39.0	13.4	71	0.2	29.9	11.6	490	3.05	15.5	1.6	3.2	5.6	36	0.1	1.2	0.2	54	0.49	0.066
145057	Soil	1.0	44.0	12.6	74	0.1	31.5	10.8	397	3.01	14.3	2.0	4.1	5.5	37	0.2	1.1	0.2	56	0.50	0.061
145058	Soil	0.8	34.3	14.3	88	0.1	26.8	10.2	414	2.85	13.5	1.6	3.5	6.4	27	<0.1	1.1	0.2	49	0.35	0.049
145059	Soil	1.0	43.2	15.2	86	0.2	31.8	14.0	484	3.13	15.6	2.7	2.2	5.8	31	0.2	1.2	0.3	50	0.39	0.055
145060	Soil	1.4	28.1	17.8	93	0.2	26.3	13.0	548	3.11	21.8	2.3	2.5	9.3	24	<0.1	1.3	0.3	52	0.29	0.038
145061	Soil	1.2	16.7	10.2	55	0.1	17.7	8.5	272	2.84	13.7	0.9	2.9	4.5	30	0.1	0.8	0.2	48	0.37	0.076
145062	Soil	0.8	36.6	9.0	42	<0.1	22.4	6.7	253	2.05	15.6	0.9	3.2	13.6	15	<0.1	1.2	0.1	36	0.15	0.019



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145033	Soil	27	25	0.21	132	0.023	<1	1.29	0.003	0.09	<0.1	0.05	4.5	0.2	<0.05	4	0.7	<0.2
145034	Soil	19	31	0.34	208	0.033	<1	1.80	0.004	0.04	0.2	0.11	4.0	0.2	<0.05	5	0.7	<0.2
145035	Soil	20	37	0.37	237	0.031	<1	1.76	0.005	0.03	<0.1	0.15	4.7	0.2	<0.05	5	1.0	<0.2
145036	Soil	15	29	0.30	177	0.035	<1	1.59	0.004	0.04	0.1	0.06	3.2	0.1	<0.05	5	1.2	<0.2
145037	Soil	16	24	0.24	192	0.030	<1	1.17	0.004	0.03	0.2	0.10	3.2	0.1	<0.05	4	1.2	<0.2
145038	Soil	17	26	0.29	266	0.038	<1	1.45	0.006	0.04	0.1	0.18	4.7	0.1	<0.05	4	0.9	<0.2
145039	Soil	20	32	0.49	479	0.051	1	1.66	0.011	0.05	0.2	0.11	4.1	<0.1	<0.05	5	0.9	<0.2
145040	Soil	19	29	0.42	356	0.054	1	1.28	0.010	0.05	0.2	0.13	4.9	0.2	<0.05	4	0.9	<0.2
145041	Soil	13	28	0.40	237	0.031	1	1.41	0.007	0.03	0.2	0.04	2.7	<0.1	<0.05	4	0.9	<0.2
145042	Soil	16	28	0.44	626	0.038	<1	1.40	0.007	0.05	0.1	0.04	3.5	0.1	<0.05	4	1.1	<0.2
145043	Soil	16	31	0.89	717	0.120	2	1.66	0.008	0.20	0.2	0.02	5.3	0.1	<0.05	5	<0.5	<0.2
145044	Soil	18	34	1.40	1223	0.195	<1	2.35	0.009	0.72	<0.1	0.02	6.8	0.2	<0.05	8	<0.5	<0.2
145045	Soil	19	25	0.43	450	0.050	<1	1.36	0.007	0.07	0.1	0.05	4.4	0.2	<0.05	4	<0.5	<0.2
145046	Soil	19	28	0.50	458	0.056	2	1.39	0.009	0.05	0.1	0.04	4.3	0.1	<0.05	4	<0.5	<0.2
145047	Soil	23	28	0.58	653	0.055	1	1.74	0.010	0.06	0.2	0.04	3.8	0.1	<0.05	5	<0.5	<0.2
145048	Soil	22	26	0.76	685	0.062	<1	1.52	0.010	0.07	0.2	0.05	4.3	0.1	<0.05	5	0.5	<0.2
145049	Soil	23	32	0.84	727	0.068	2	1.67	0.010	0.09	0.1	0.04	4.9	0.2	0.05	5	0.8	<0.2
145050	Soil	34	33	0.87	789	0.055	1	1.81	0.011	0.13	0.2	0.09	5.2	0.4	0.06	5	1.0	<0.2
145051	Soil	29	30	0.57	703	0.061	2	1.54	0.013	0.11	0.2	0.13	6.9	0.2	<0.05	5	1.5	<0.2
145052	Soil	19	29	0.59	496	0.071	2	1.50	0.011	0.06	0.3	0.04	4.4	0.1	<0.05	4	0.6	<0.2
145053	Soil	17	25	0.59	397	0.084	<1	1.52	0.009	0.15	<0.1	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
145054	Soil	22	29	0.55	527	0.068	<1	1.62	0.010	0.06	0.2	0.06	5.0	<0.1	<0.05	5	0.5	<0.2
145055	Soil	19	31	0.53	395	0.069	1	1.54	0.010	0.06	0.2	0.04	4.4	<0.1	<0.05	5	0.6	<0.2
145056	Soil	21	31	0.50	504	0.064	1	1.54	0.011	0.08	0.2	0.06	4.2	<0.1	<0.05	5	<0.5	<0.2
145057	Soil	21	32	0.59	581	0.074	<1	1.72	0.013	0.08	0.2	0.05	4.7	0.1	<0.05	5	0.8	<0.2
145058	Soil	19	28	0.54	444	0.076	1	1.60	0.009	0.11	0.2	0.04	4.1	0.1	<0.05	5	<0.5	<0.2
145059	Soil	23	31	0.50	546	0.067	<1	1.68	0.013	0.09	0.2	0.05	4.4	0.1	<0.05	6	0.8	<0.2
145060	Soil	23	28	0.43	432	0.053	<1	1.54	0.008	0.13	0.2	0.03	4.4	0.2	<0.05	5	<0.5	<0.2
145061	Soil	14	25	0.51	243	0.053	<1	1.43	0.011	0.05	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
145062	Soil	20	23	0.33	227	0.043	<1	1.11	0.007	0.05	0.2	0.07	4.0	<0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
145063	Soil	1.1	22.2	11.7	52	<0.1	21.0	8.1	224	2.84	14.1	0.8	6.7	6.1	18	<0.1	0.9	0.2	57	0.16	0.022
145064	Soil	1.3	53.9	14.5	83	<0.1	36.5	14.8	466	3.56	16.2	0.7	3.3	6.2	31	<0.1	1.3	0.3	68	0.34	0.036
145065	Soil	1.5	58.5	14.7	60	<0.1	43.3	13.1	572	3.73	21.1	1.5	10.0	9.6	28	<0.1	1.5	0.4	77	0.26	0.028
145066	Soil	1.2	26.7	13.3	59	<0.1	27.9	11.5	530	3.06	14.4	0.7	2.4	5.1	22	<0.1	0.7	0.3	69	0.21	0.021
145067	Soil	0.8	39.1	14.7	74	0.2	25.1	8.4	226	2.57	9.4	3.2	2.8	6.1	34	0.3	1.1	0.3	53	0.40	0.055
145068	Soil	1.2	41.1	13.1	85	0.2	32.5	12.0	574	3.03	14.3	0.8	2.8	5.1	48	0.5	1.3	0.3	55	1.19	0.078
145069	Soil	0.8	13.5	8.1	40	<0.1	13.2	6.7	260	1.44	5.6	1.0	1.6	1.9	27	0.2	0.4	0.1	29	0.30	0.057
145070	Soil	0.9	40.8	12.6	64	0.2	29.9	11.8	478	2.97	13.9	2.6	2.2	4.6	52	0.2	0.9	0.2	53	0.72	0.061
145071	Soil	0.9	36.0	12.6	65	0.2	27.1	11.6	482	2.74	13.6	1.4	2.9	4.7	48	0.2	1.0	0.2	53	0.73	0.071
145072	Soil	0.8	36.0	12.3	64	0.2	29.1	12.3	475	2.98	16.0	1.3	3.4	5.2	41	0.2	0.9	0.2	53	0.58	0.066
145073	Soil	0.7	25.7	9.0	65	<0.1	19.4	7.6	252	2.22	9.9	1.6	2.5	5.6	29	<0.1	0.9	0.2	45	0.35	0.048
145074	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
145076	Soil	0.8	28.6	8.8	53	0.1	19.8	8.1	255	2.07	14.4	1.0	2.4	5.6	27	<0.1	1.2	0.2	42	0.30	0.043
145077	Soil	0.8	30.1	8.9	46	0.1	25.9	7.7	297	2.32	9.4	1.9	3.6	3.9	28	<0.1	0.8	0.2	43	0.42	0.040
145078	Soil	0.8	40.3	10.4	58	<0.1	32.8	9.0	289	3.04	15.3	1.2	5.1	6.4	20	<0.1	1.1	0.2	54	0.28	0.026
145079	Soil	1.0	36.9	8.8	40	<0.1	24.4	8.4	156	2.31	13.9	0.9	2.9	8.5	13	<0.1	0.8	0.2	44	0.14	0.016
145080	Soil	0.9	38.3	11.1	48	<0.1	28.4	10.7	224	2.75	12.5	0.7	4.8	5.6	18	<0.1	1.1	0.2	62	0.24	0.014
145081	Soil	1.0	18.5	9.6	56	<0.1	21.4	7.3	459	2.42	12.8	0.9	1.7	7.2	15	0.1	0.8	0.2	44	0.20	0.026
145082	Soil	0.7	21.6	6.4	47	<0.1	20.5	7.4	238	1.92	7.1	0.7	1.9	4.0	13	<0.1	0.4	0.1	35	0.20	0.026
145083	Soil	0.7	15.8	5.4	40	<0.1	16.0	7.0	185	1.58	5.6	0.7	1.1	3.2	14	0.1	0.4	0.1	25	0.23	0.041
145084	Soil	0.9	26.1	7.2	52	0.1	25.0	9.1	459	2.00	6.5	3.2	2.0	1.7	53	0.4	0.6	0.1	36	0.97	0.065
145085	Soil	0.8	18.7	6.8	42	<0.1	18.7	7.4	327	1.96	6.6	0.6	6.6	1.8	26	0.2	0.4	0.1	39	0.46	0.054
145086	Soil	0.8	18.0	7.6	61	0.1	21.5	8.9	488	2.06	10.3	3.4	3.9	4.2	26	0.2	0.8	0.1	38	0.52	0.059
145087	Soil	0.7	24.2	7.7	58	<0.1	23.8	8.0	305	1.97	7.6	0.9	4.5	4.7	29	0.2	0.7	0.1	36	0.66	0.067
145088	Soil	1.0	24.8	8.0	66	0.1	24.6	8.5	401	2.16	8.9	0.8	3.6	3.8	50	0.3	0.8	0.1	36	1.61	0.067
145089	Soil	1.2	24.7	7.3	55	0.1	24.0	7.5	385	1.94	7.8	0.9	1.9	3.7	53	0.3	0.7	0.1	35	1.55	0.055
145090	Soil	1.1	28.1	8.5	67	0.1	27.0	8.9	439	2.29	8.9	1.0	4.1	3.6	45	0.3	0.8	0.1	40	1.10	0.064
145091	Soil	1.0	25.0	8.1	63	0.1	24.3	8.2	449	2.18	8.4	1.0	7.0	3.4	37	0.3	0.7	0.1	39	0.92	0.065
145092	Soil	1.0	23.9	7.8	59	0.1	24.0	8.3	408	2.06	8.0	1.3	2.3	3.3	37	0.3	0.7	0.1	38	0.88	0.058
145093	Soil	0.9	25.2	7.9	58	0.1	24.8	8.1	364	2.27	8.5	1.1	11.5	3.5	31	0.2	0.6	0.1	43	0.65	0.064



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145063	Soil	16	33	0.48	313	0.052	1	1.80	0.008	0.05	0.1	0.02	3.4	<0.1	<0.05	5	0.6	<0.2
145064	Soil	21	38	0.62	481	0.094	1	2.19	0.014	0.07	0.2	0.08	6.7	<0.1	<0.05	6	<0.5	<0.2
145065	Soil	22	41	0.47	576	0.067	<1	3.21	0.008	0.07	<0.1	0.08	8.6	0.1	<0.05	8	0.5	<0.2
145066	Soil	18	36	0.54	530	0.050	<1	2.24	0.008	0.05	0.2	0.03	4.1	<0.1	<0.05	6	0.5	<0.2
145067	Soil	19	30	0.52	497	0.074	<1	1.94	0.015	0.07	0.1	0.07	4.5	<0.1	<0.05	5	<0.5	<0.2
145068	Soil	17	29	0.70	576	0.072	2	1.50	0.020	0.08	0.2	0.06	4.2	0.1	<0.05	5	<0.5	<0.2
145069	Soil	10	17	0.34	285	0.040	2	0.96	0.008	0.06	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
145070	Soil	17	30	0.59	486	0.061	1	1.75	0.016	0.06	0.2	0.06	4.3	<0.1	<0.05	5	0.8	<0.2
145071	Soil	18	30	0.55	431	0.066	1	1.62	0.014	0.06	0.2	0.05	4.3	<0.1	<0.05	5	0.6	<0.2
145072	Soil	21	30	0.58	480	0.068	1	1.77	0.015	0.06	0.2	0.05	4.3	<0.1	<0.05	5	<0.5	<0.2
145073	Soil	21	28	0.46	329	0.078	<1	1.47	0.011	0.05	0.1	0.04	4.2	0.1	<0.05	4	<0.5	<0.2
145074	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
145076	Soil	20	23	0.40	342	0.066	<1	1.25	0.012	0.05	0.1	0.05	3.4	<0.1	<0.05	4	<0.5	<0.2
145077	Soil	16	24	0.46	445	0.052	2	1.46	0.016	0.05	0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
145078	Soil	17	32	0.44	307	0.064	1	2.14	0.008	0.06	0.1	0.04	4.7	0.1	<0.05	6	<0.5	<0.2
145079	Soil	15	25	0.35	222	0.045	1	2.07	0.005	0.05	<0.1	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
145080	Soil	18	30	0.42	321	0.065	1	2.23	0.009	0.05	<0.1	0.05	4.9	0.1	<0.05	6	<0.5	<0.2
145081	Soil	12	25	0.33	293	0.043	<1	1.61	0.006	0.09	0.2	0.03	3.3	0.1	<0.05	5	<0.5	<0.2
145082	Soil	15	27	0.61	183	0.054	<1	1.24	0.006	0.07	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
145083	Soil	11	20	0.45	128	0.039	<1	0.92	0.005	0.07	0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
145084	Soil	12	20	0.46	438	0.037	2	1.19	0.022	0.05	0.2	0.04	2.3	<0.1	0.08	3	0.8	<0.2
145085	Soil	13	21	0.41	266	0.042	2	1.14	0.016	0.05	0.2	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
145086	Soil	18	23	0.41	270	0.048	2	1.08	0.016	0.06	0.3	0.05	2.4	<0.1	<0.05	3	0.5	<0.2
145087	Soil	16	22	0.52	242	0.056	2	0.99	0.019	0.11	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
145088	Soil	14	21	0.65	303	0.052	2	0.94	0.019	0.10	0.3	0.02	2.3	<0.1	0.06	3	<0.5	<0.2
145089	Soil	12	19	0.65	301	0.050	2	0.89	0.020	0.07	0.2	0.03	2.1	<0.1	0.06	3	<0.5	<0.2
145090	Soil	14	23	0.59	367	0.054	2	1.09	0.031	0.09	0.2	0.03	2.5	<0.1	0.07	3	0.5	<0.2
145091	Soil	13	22	0.57	354	0.049	2	1.10	0.033	0.07	0.3	0.04	2.3	<0.1	0.06	3	<0.5	<0.2
145092	Soil	13	21	0.52	299	0.048	1	1.01	0.030	0.06	0.2	0.03	2.3	<0.1	0.05	3	<0.5	<0.2
145093	Soil	14	23	0.50	288	0.052	2	1.23	0.025	0.06	0.3	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
146012	Soil	1.3	16.8	12.3	89	<0.1	15.7	9.6	345	3.81	8.2	2.1	0.9	15.0	9	<0.1	0.7	0.3	41	0.15	0.042
146013	Soil	0.8	15.4	11.5	102	<0.1	17.5	10.4	488	4.63	5.3	2.3	0.8	25.6	9	<0.1	0.3	0.1	59	0.15	0.043
146014	Soil	1.1	18.4	15.1	86	<0.1	14.7	9.1	387	3.83	8.0	3.8	0.7	23.5	11	<0.1	0.6	0.4	46	0.21	0.071
146015	Soil	0.9	11.2	13.2	59	<0.1	14.7	6.5	232	2.86	9.4	1.7	1.5	15.3	14	<0.1	0.6	0.2	45	0.20	0.036
146016	Soil	1.1	26.0	12.2	77	0.3	30.1	8.2	245	3.13	14.8	3.6	2.9	16.2	12	<0.1	1.0	0.3	64	0.20	0.052
146017	Soil	1.2	13.8	12.6	62	0.1	17.6	6.8	292	2.58	9.8	1.4	2.0	9.5	10	<0.1	0.6	0.2	45	0.13	0.020
146018	Soil	1.2	16.1	13.3	66	0.1	18.1	6.5	284	2.42	9.3	2.1	1.1	6.0	14	0.1	0.7	0.2	45	0.16	0.029
146019	Soil	1.2	19.4	13.7	60	<0.1	19.0	6.3	212	2.51	10.0	1.9	3.1	10.5	11	<0.1	0.8	0.2	45	0.11	0.015
146020	Soil	1.1	16.9	11.6	56	<0.1	17.4	6.1	205	2.30	8.0	1.8	2.4	8.2	11	<0.1	0.8	0.2	42	0.12	0.016
146021	Soil	0.9	18.5	9.8	48	<0.1	17.2	6.1	279	2.02	9.3	2.4	10.5	8.9	12	<0.1	0.8	0.2	32	0.15	0.014
146022	Soil	1.1	22.1	10.2	53	<0.1	19.1	7.2	329	2.37	9.7	2.7	3.2	8.0	15	<0.1	0.8	0.2	41	0.19	0.015
146023	Soil	1.2	22.8	11.2	44	0.2	16.9	6.6	243	2.12	15.2	2.0	2.2	6.8	13	<0.1	1.7	0.2	37	0.12	0.017
146024	Soil	1.3	23.6	11.3	53	0.1	20.0	9.3	439	2.38	13.1	2.2	1.9	7.3	14	<0.1	1.2	0.2	40	0.13	0.020
146025	Soil	1.1	25.5	9.8	49	<0.1	16.0	6.8	256	2.30	17.0	2.1	3.5	6.3	12	<0.1	1.6	0.2	35	0.11	0.021
146026	Soil	1.1	20.0	10.7	48	<0.1	15.7	5.8	205	2.23	14.9	1.6	1.9	6.7	13	<0.1	1.3	0.2	35	0.13	0.029
146027	Soil	1.3	31.8	13.2	62	0.3	23.2	8.0	261	2.82	26.4	3.4	4.7	3.6	23	<0.1	2.1	0.2	44	0.26	0.055
146028	Soil	1.1	22.4	11.5	46	0.1	15.6	5.4	183	2.03	23.7	2.3	3.2	4.9	16	<0.1	2.3	0.1	36	0.17	0.034
146029	Soil	1.5	23.1	11.1	52	0.1	16.7	5.3	184	2.18	23.6	1.5	7.1	5.2	19	0.1	3.1	0.1	41	0.21	0.043
146030	Soil	1.4	26.9	10.8	61	0.2	21.9	7.2	234	2.43	18.8	4.7	2.4	4.6	19	0.1	2.3	0.2	42	0.30	0.045
146031	Soil	1.3	30.5	11.8	64	0.2	21.3	8.7	233	2.45	19.8	5.3	1.3	4.2	25	0.2	2.2	0.2	43	0.32	0.047
146032	Soil	1.0	23.5	11.7	57	0.1	17.4	9.3	253	2.36	20.1	3.2	1.3	4.4	20	0.2	2.1	0.2	43	0.23	0.046
146033	Soil	1.1	27.7	12.7	63	0.2	18.6	9.1	243	2.37	18.7	2.7	8.6	4.1	23	0.2	1.7	0.2	44	0.26	0.045
146034	Soil	1.2	29.0	12.9	62	0.1	16.3	8.3	238	2.71	21.7	2.6	3.0	4.3	21	0.1	2.0	0.2	45	0.33	0.047
146035	Soil	0.8	36.5	10.8	63	0.1	18.7	8.0	255	2.54	16.3	2.3	1.1	4.4	22	<0.1	1.4	0.2	45	0.33	0.045
146036	Soil	0.6	24.8	10.9	67	0.1	17.2	8.5	275	2.32	12.5	1.9	3.7	4.4	23	0.1	1.4	0.2	38	0.38	0.052
146037	Soil	1.1	30.2	12.9	67	0.1	24.0	11.4	411	2.90	18.8	1.8	<0.5	4.1	31	0.1	1.4	0.2	49	0.44	0.054
146038	Soil	0.6	30.5	13.0	87	0.2	23.9	9.0	215	2.60	14.1	4.7	4.8	4.9	28	0.4	1.7	0.2	49	0.50	0.071
146039	Soil	1.1	33.7	9.3	63	0.2	26.4	8.2	218	2.20	10.2	1.4	<0.5	3.6	36	0.3	0.8	0.2	43	0.62	0.060
146040	Soil	1.0	28.7	9.6	62	0.1	25.1	9.1	247	2.37	10.9	1.1	2.3	3.9	33	0.3	0.8	0.2	43	0.60	0.061
146041	Soil	1.1	20.7	10.2	65	0.1	20.1	7.9	318	2.48	10.9	0.9	0.9	3.3	33	<0.1	0.7	0.1	48	0.57	0.084



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
146012	Soil	14	19	0.48	114	0.081	3	2.13	0.006	0.39	0.2	0.01	5.4	0.6	<0.05	8	0.5	<0.2
146013	Soil	83	43	1.10	152	0.204	1	3.01	0.008	1.03	0.2	<0.01	6.8	1.1	<0.05	13	<0.5	<0.2
146014	Soil	163	29	0.68	144	0.136	1	2.29	0.007	0.57	0.2	0.02	5.3	0.7	<0.05	10	<0.5	<0.2
146015	Soil	56	27	0.47	134	0.075	1	1.88	0.007	0.19	0.2	0.05	3.4	0.3	<0.05	6	<0.5	<0.2
146016	Soil	65	55	0.65	261	0.079	1	2.09	0.007	0.19	0.2	0.11	5.1	0.3	<0.05	6	<0.5	<0.2
146017	Soil	30	26	0.41	158	0.048	<1	1.66	0.006	0.07	0.1	0.04	2.4	0.1	<0.05	5	<0.5	<0.2
146018	Soil	25	25	0.39	246	0.041	<1	1.49	0.007	0.06	0.1	0.05	2.6	0.1	<0.05	5	<0.5	<0.2
146019	Soil	20	27	0.38	200	0.056	1	1.73	0.007	0.05	0.1	0.06	2.9	0.2	<0.05	5	<0.5	<0.2
146020	Soil	21	25	0.37	225	0.050	<1	1.58	0.007	0.06	0.1	0.04	2.8	0.1	<0.05	5	<0.5	<0.2
146021	Soil	25	19	0.31	218	0.048	<1	1.13	0.006	0.08	<0.1	0.07	3.1	0.1	<0.05	4	<0.5	<0.2
146022	Soil	21	26	0.39	285	0.056	<1	1.48	0.008	0.07	0.1	0.07	3.7	0.1	<0.05	4	<0.5	<0.2
146023	Soil	19	22	0.29	206	0.046	<1	1.25	0.006	0.05	0.1	0.07	3.0	0.2	<0.05	4	<0.5	<0.2
146024	Soil	20	23	0.36	234	0.048	<1	1.47	0.008	0.07	0.1	0.05	3.1	0.1	<0.05	4	<0.5	<0.2
146025	Soil	19	21	0.30	170	0.048	<1	1.11	0.006	0.07	0.1	0.06	2.8	0.2	<0.05	3	<0.5	<0.2
146026	Soil	18	21	0.29	146	0.049	<1	1.18	0.006	0.08	0.1	0.04	2.4	0.2	<0.05	4	<0.5	<0.2
146027	Soil	22	26	0.40	393	0.045	<1	1.75	0.009	0.07	0.2	0.10	3.7	0.2	<0.05	5	0.6	<0.2
146028	Soil	18	21	0.30	230	0.047	<1	1.11	0.007	0.05	0.1	0.05	2.3	0.1	<0.05	3	0.6	<0.2
146029	Soil	18	22	0.29	224	0.052	<1	0.98	0.008	0.05	0.1	0.04	2.5	<0.1	<0.05	3	0.6	<0.2
146030	Soil	16	24	0.36	355	0.045	<1	1.20	0.010	0.05	0.2	0.08	3.4	<0.1	<0.05	3	0.8	<0.2
146031	Soil	16	24	0.35	536	0.034	<1	1.26	0.008	0.04	0.2	0.09	3.9	<0.1	<0.05	4	1.4	<0.2
146032	Soil	15	23	0.29	362	0.035	1	1.12	0.007	0.04	0.2	0.06	3.3	0.1	<0.05	4	0.5	<0.2
146033	Soil	15	24	0.31	430	0.036	1	1.30	0.007	0.05	0.2	0.08	3.7	0.1	<0.05	4	1.0	<0.2
146034	Soil	14	21	0.40	411	0.049	<1	1.27	0.007	0.10	0.2	0.07	3.4	0.1	<0.05	4	0.7	<0.2
146035	Soil	16	21	0.49	510	0.070	<1	1.39	0.008	0.18	0.2	0.05	4.3	0.1	<0.05	5	0.7	0.2
146036	Soil	16	21	0.33	380	0.052	<1	1.19	0.007	0.06	0.2	0.06	3.7	0.1	<0.05	4	0.7	<0.2
146037	Soil	17	26	0.37	670	0.049	<1	1.47	0.009	0.06	0.3	0.05	4.1	<0.1	<0.05	4	0.9	<0.2
146038	Soil	20	27	0.44	571	0.045	2	1.37	0.011	0.06	0.2	0.08	4.0	0.1	<0.05	4	<0.5	<0.2
146039	Soil	14	23	0.50	394	0.042	1	1.19	0.014	0.06	0.3	0.04	2.9	<0.1	<0.05	4	0.8	<0.2
146040	Soil	14	24	0.46	342	0.046	2	1.16	0.013	0.06	0.4	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
146041	Soil	15	25	0.52	380	0.043	2	1.27	0.013	0.06	0.3	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2



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Project: Wounded Moose
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
146042	Soil	1.5	35.7	10.4	86	0.2	29.1	11.0	453	2.68	13.2	0.6	<0.5	4.8	41	0.5	1.1	0.2	49	1.29	0.080
146043	Soil	1.1	33.5	8.7	62	0.1	26.2	9.2	517	2.45	12.6	1.0	2.9	3.9	33	0.4	0.9	0.2	42	0.65	0.076
146044	Soil	1.3	37.7	14.5	79	0.4	30.0	11.5	420	3.00	33.4	2.3	21.1	7.6	26	0.3	1.6	0.2	48	0.54	0.061
146045	Soil	1.4	20.2	12.3	65	0.2	20.4	7.4	243	2.69	23.2	0.8	2.9	5.5	14	0.1	1.2	0.2	48	0.16	0.030
146046	Soil	1.2	14.4	11.0	52	0.2	14.4	5.9	239	2.46	20.7	0.5	7.1	4.3	11	<0.1	1.1	0.2	49	0.14	0.077
146047	Soil	1.3	29.1	14.6	72	0.1	29.1	17.5	653	2.84	39.2	1.4	7.0	9.9	15	0.2	2.3	0.2	43	0.13	0.045
146048	Soil	0.7	26.3	17.2	74	<0.1	30.9	15.3	596	4.06	12.0	1.6	<0.5	18.2	11	<0.1	0.6	0.3	43	0.22	0.091
146049	Soil	0.9	24.3	10.1	67	0.2	20.3	10.2	821	2.25	7.4	1.0	2.8	3.2	30	0.2	1.0	0.2	45	0.46	0.072
146050	Soil	1.1	29.5	9.0	71	0.1	25.4	9.9	398	2.42	10.6	0.6	1.1	4.1	44	0.3	0.9	0.1	46	1.54	0.082
146051	Soil	1.2	31.0	10.0	76	0.1	27.4	10.4	412	2.55	12.6	0.6	3.3	4.2	40	0.4	0.9	0.1	47	1.19	0.076
146052	Soil	1.6	41.0	11.7	76	0.2	31.0	12.5	538	2.99	13.6	1.0	1.9	4.3	47	0.2	1.2	0.2	55	0.89	0.104
146053	Soil	0.8	21.3	10.3	66	<0.1	18.7	8.8	281	2.62	14.3	0.8	0.8	3.9	22	0.1	1.1	0.2	44	0.38	0.075



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
146042	Soil	15	26	0.70	469	0.055	2	1.15	0.016	0.08	0.4	0.03	3.3	0.1	<0.05	3	<0.5	<0.2
146043	Soil	15	23	0.46	469	0.049	1	1.12	0.014	0.06	0.3	0.04	3.2	<0.1	<0.05	4	1.0	<0.2
146044	Soil	29	28	0.40	750	0.048	2	1.37	0.011	0.12	0.3	0.10	4.3	0.2	<0.05	4	1.0	<0.2
146045	Soil	20	26	0.35	341	0.055	<1	1.36	0.005	0.09	0.2	0.03	2.4	0.2	<0.05	4	<0.5	<0.2
146046	Soil	14	22	0.27	175	0.062	2	1.04	0.005	0.13	0.2	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
146047	Soil	27	27	0.30	195	0.044	<1	1.27	0.005	0.10	0.2	0.05	3.2	0.3	<0.05	4	<0.5	0.2
146048	Soil	81	40	0.84	227	0.177	<1	2.22	0.005	0.96	<0.1	0.03	3.5	0.6	<0.05	7	0.6	<0.2
146049	Soil	15	25	0.47	456	0.044	1	1.35	0.016	0.05	0.3	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
146050	Soil	13	24	0.71	378	0.059	2	1.09	0.022	0.08	0.2	0.05	2.9	<0.1	<0.05	3	<0.5	<0.2
146051	Soil	14	24	0.61	450	0.054	2	1.06	0.016	0.07	0.4	0.04	3.2	<0.1	<0.05	3	<0.5	<0.2
146052	Soil	15	30	0.69	455	0.051	2	1.45	0.023	0.07	0.3	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
146053	Soil	14	22	0.37	305	0.053	<1	1.11	0.011	0.06	0.3	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
120818	Soil	1.7	36.8	11.2	66	<0.1	28.4	12.2	539	2.89	15.2	1.8	4.3	5.4	13	<0.1	1.4	0.2	54	0.11	0.023
REP 120818	QC	1.7	35.7	11.2	66	<0.1	28.1	11.9	521	2.75	14.9	1.8	3.6	5.7	13	<0.1	1.4	0.2	56	0.10	0.022
120831	Soil	0.5	30.5	19.7	124	0.1	40.5	7.4	1106	2.37	60.1	3.1	26.2	9.0	13	0.2	13.0	0.2	22	0.04	0.021
REP 120831	QC	0.5	30.2	19.2	127	0.1	40.7	7.4	1105	2.46	60.8	3.2	24.6	9.2	14	0.2	13.6	0.2	22	0.04	0.021
120854	Soil	1.7	24.7	7.7	59	0.3	21.0	5.9	163	2.17	11.9	2.3	2.5	7.4	20	0.4	0.7	0.2	41	0.28	0.062
REP 120854	QC	1.8	25.0	8.1	61	0.4	20.8	5.8	167	2.13	12.2	2.4	1.6	7.2	21	0.4	0.7	0.2	40	0.28	0.063
120872	Soil	0.4	49.6	10.6	65	0.4	24.7	6.2	130	1.50	4.0	2.0	3.4	4.3	32	0.5	0.9	0.2	35	0.60	0.059
REP 120872	QC	0.2	50.7	10.3	65	0.4	24.6	6.2	132	1.52	3.8	1.9	2.2	4.3	30	0.5	0.8	0.2	35	0.58	0.054
123017	Soil	0.9	33.0	6.5	62	<0.1	21.5	9.2	224	3.54	32.1	1.5	3.6	6.4	12	<0.1	1.9	<0.1	70	0.20	0.022
REP 123017	QC	0.7	32.0	6.3	59	<0.1	22.4	8.5	219	3.39	31.2	1.5	3.7	6.3	12	<0.1	1.8	<0.1	67	0.18	0.022
123046	Soil	3.3	70.7	10.5	181	0.4	81.9	22.0	312	4.20	25.7	1.3	1.1	3.7	18	0.5	2.8	0.1	102	0.22	0.040
REP 123046	QC	3.3	71.2	10.4	183	0.4	83.2	22.3	324	4.24	25.5	1.3	1.3	4.0	18	0.5	3.0	0.1	104	0.23	0.040
123060	Soil	0.8	21.5	7.7	80	0.1	24.8	9.3	299	3.77	42.8	2.5	7.5	15.2	12	<0.1	13.7	0.1	19	0.02	0.032
REP 123060	QC	0.8	22.0	7.9	80	0.1	25.3	9.4	289	3.61	43.4	2.4	9.5	14.9	12	<0.1	13.7	0.1	19	0.02	0.031
123070	Soil	0.6	65.3	8.2	88	<0.1	25.9	11.1	1030	3.46	13.7	1.5	3.6	4.1	12	<0.1	1.3	<0.1	64	0.09	0.018
REP 123070	QC	0.6	67.5	8.5	96	<0.1	27.3	11.3	1016	3.56	14.3	1.6	3.7	4.4	12	<0.1	1.4	<0.1	63	0.09	0.018
123090	Soil	0.8	13.7	7.1	45	<0.1	15.0	4.9	161	1.60	6.3	1.0	1.1	4.5	18	0.1	0.5	0.2	28	0.28	0.052
REP 123090	QC	0.8	14.3	7.1	45	<0.1	15.9	5.2	163	1.68	6.3	1.0	1.0	4.5	19	0.2	0.5	0.2	28	0.29	0.055
123120	Soil	0.9	25.6	6.2	56	<0.1	25.4	7.4	331	2.21	7.9	0.5	5.9	4.0	26	0.2	0.7	0.1	44	0.43	0.067
REP 123120	QC	0.9	24.3	6.3	54	<0.1	24.5	7.4	325	2.12	7.7	0.5	2.6	4.1	28	0.2	0.7	0.1	45	0.44	0.067
145011	Soil	0.8	19.9	9.0	53	<0.1	18.7	8.9	205	2.86	48.4	0.9	0.8	4.6	11	<0.1	2.2	0.1	58	0.11	0.017
REP 145011	QC	0.9	19.9	9.0	54	<0.1	18.8	9.0	218	2.93	50.0	1.0	2.5	4.7	11	0.1	2.2	0.1	62	0.12	0.019
145038	Soil	1.6	31.1	13.3	56	<0.1	19.1	7.8	176	2.51	30.5	1.3	3.9	6.2	13	0.2	3.4	0.2	51	0.10	0.024
REP 145038	QC	1.8	31.3	14.2	58	<0.1	18.9	8.0	177	2.58	31.5	1.4	3.6	6.5	15	0.1	3.6	0.2	49	0.10	0.024
145039	Soil	1.7	41.1	16.0	66	0.2	27.8	10.3	352	3.21	27.6	2.2	7.5	5.1	26	<0.1	2.7	0.3	63	0.28	0.053
REP 145039	QC	1.7	43.6	16.6	71	0.3	28.8	10.8	386	3.34	28.3	2.3	4.2	5.6	27	0.1	2.7	0.3	66	0.27	0.052
145063	Soil	1.1	22.2	11.7	52	<0.1	21.0	8.1	224	2.84	14.1	0.8	6.7	6.1	18	<0.1	0.9	0.2	57	0.16	0.022
REP 145063	QC	0.9	21.3	11.5	50	<0.1	20.1	8.2	231	2.82	14.2	0.8	1.9	6.3	18	<0.1	1.0	0.2	55	0.16	0.021



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Part 2

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
120818	Soil	18	24	0.40	252	0.065	1	1.45	0.012	0.05	0.1	0.08	3.7	0.2	<0.05	5	<0.5	<0.2
REP 120818	QC	18	24	0.40	247	0.062	1	1.42	0.008	0.05	0.1	0.10	3.6	0.1	<0.05	4	<0.5	<0.2
120831	Soil	25	15	0.10	286	0.004	<1	0.53	0.002	0.04	0.2	0.06	4.4	0.6	<0.05	2	<0.5	<0.2
REP 120831	QC	25	16	0.10	280	0.005	<1	0.52	0.002	0.04	0.2	0.06	4.3	0.7	<0.05	2	<0.5	<0.2
120854	Soil	22	30	0.40	263	0.047	<1	1.30	0.006	0.05	0.6	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
REP 120854	QC	22	31	0.41	265	0.044	<1	1.26	0.006	0.05	0.5	0.04	4.0	0.1	<0.05	5	<0.5	<0.2
120872	Soil	16	22	0.39	426	0.041	1	1.22	0.012	0.04	0.2	0.15	3.0	<0.1	0.07	3	1.4	<0.2
REP 120872	QC	16	22	0.38	409	0.040	2	1.15	0.012	0.04	0.2	0.14	3.1	<0.1	0.08	3	1.3	<0.2
123017	Soil	20	34	0.40	274	0.032	<1	1.48	0.005	0.04	0.8	0.12	7.4	<0.1	<0.05	4	<0.5	<0.2
REP 123017	QC	20	33	0.39	267	0.031	<1	1.40	0.005	0.04	0.8	0.13	7.3	<0.1	<0.05	4	0.5	<0.2
123046	Soil	19	64	0.60	734	0.085	<1	1.81	0.008	0.14	<0.1	0.02	5.5	0.3	0.15	6	1.4	<0.2
REP 123046	QC	19	68	0.65	753	0.087	<1	1.86	0.007	0.15	<0.1	0.03	5.5	0.3	0.15	6	1.3	<0.2
123060	Soil	21	17	0.14	176	0.016	<1	0.69	0.003	0.12	<0.1	0.01	1.6	0.5	<0.05	2	<0.5	<0.2
REP 123060	QC	20	16	0.15	181	0.016	<1	0.71	0.003	0.12	<0.1	0.02	1.8	0.5	<0.05	2	<0.5	<0.2
123070	Soil	15	11	0.78	1031	0.161	<1	1.55	0.004	0.64	<0.1	0.04	8.2	0.3	<0.05	7	<0.5	<0.2
REP 123070	QC	16	11	0.82	1077	0.163	1	1.65	0.005	0.66	<0.1	0.04	8.4	0.3	<0.05	7	<0.5	<0.2
123090	Soil	14	20	0.48	201	0.052	<1	1.25	0.007	0.08	0.3	<0.01	1.7	0.1	<0.05	4	<0.5	<0.2
REP 123090	QC	14	21	0.47	210	0.060	<1	1.24	0.009	0.09	0.2	0.01	1.6	0.1	<0.05	4	<0.5	<0.2
123120	Soil	13	24	0.44	234	0.053	1	1.07	0.020	0.09	0.2	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
REP 123120	QC	14	24	0.43	233	0.056	1	1.04	0.020	0.09	0.3	0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
145011	Soil	12	28	0.39	196	0.047	<1	1.64	0.005	0.04	0.1	0.07	4.2	0.2	<0.05	5	<0.5	<0.2
REP 145011	QC	12	30	0.39	191	0.056	<1	1.76	0.006	0.05	<0.1	0.06	4.8	0.2	<0.05	5	<0.5	<0.2
145038	Soil	17	26	0.29	266	0.038	<1	1.45	0.006	0.04	0.1	0.18	4.7	0.1	<0.05	4	0.9	<0.2
REP 145038	QC	18	27	0.32	274	0.041	<1	1.48	0.006	0.04	0.1	0.21	5.1	0.1	<0.05	4	0.8	<0.2
145039	Soil	20	32	0.49	479	0.051	1	1.66	0.011	0.05	0.2	0.11	4.1	<0.1	<0.05	5	0.9	<0.2
REP 145039	QC	20	34	0.51	502	0.050	1	1.66	0.011	0.05	0.2	0.10	4.7	<0.1	<0.05	5	0.9	<0.2
145063	Soil	16	33	0.48	313	0.052	1	1.80	0.008	0.05	0.1	0.02	3.4	<0.1	<0.05	5	0.6	<0.2
REP 145063	QC	16	33	0.48	319	0.053	<1	1.82	0.008	0.05	0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2



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Val D'Or QC J9P 1S5 Canada

Project:

Wounded Moose

Report Date:

September 16, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000830.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
145091	Soil	1.0	25.0	8.1	63	0.1	24.3	8.2	449	2.18	8.4	1.0	7.0	3.4	37	0.3	0.7	0.1	39	0.92	0.065
REP 145091	QC	1.0	24.7	7.7	64	0.1	23.9	7.9	455	2.10	8.2	1.0	2.4	3.2	36	0.3	0.7	0.1	38	0.89	0.064
146017	Soil	1.2	13.8	12.6	62	0.1	17.6	6.8	292	2.58	9.8	1.4	2.0	9.5	10	<0.1	0.6	0.2	45	0.13	0.020
REP 146017	QC	1.2	13.3	12.2	60	0.1	17.4	6.9	280	2.48	9.5	1.5	2.0	9.6	10	<0.1	0.6	0.2	45	0.13	0.020
146044	Soil	1.3	37.7	14.5	79	0.4	30.0	11.5	420	3.00	33.4	2.3	21.1	7.6	26	0.3	1.6	0.2	48	0.54	0.061
REP 146044	QC	1.0	38.0	14.1	80	0.3	30.2	11.2	403	2.96	33.3	2.3	3.8	7.7	25	0.3	1.5	0.3	45	0.57	0.061
Reference Materials																					
STD DS8	Standard	12.6	110.8	128.1	320	1.8	37.8	7.5	612	2.48	26.7	2.7	105.6	6.5	60	2.3	5.3	6.7	41	0.67	0.084
STD DS8	Standard	14.5	117.8	132.1	331	1.8	40.9	7.4	636	2.58	21.8	2.7	115.1	6.7	66	2.0	4.4	5.9	44	0.77	0.070
STD DS8	Standard	14.3	118.3	135.6	341	1.9	40.8	8.3	708	2.74	28.2	3.2	113.7	7.7	78	2.6	6.2	8.1	45	0.75	0.084
STD DS8	Standard	14.7	100.4	130.6	321	1.9	40.5	7.3	646	2.60	22.6	2.6	117.0	6.4	71	2.1	5.1	6.0	40	0.77	0.074
STD DS8	Standard	14.0	100.4	122.2	299	1.8	40.1	6.9	618	2.50	20.8	2.4	107.8	6.1	62	1.9	4.3	5.4	37	0.66	0.069
STD DS8	Standard	13.5	109.7	120.1	313	1.8	36.6	7.9	602	2.44	24.6	2.7	111.2	6.7	59	2.4	4.8	6.5	42	0.69	0.081
STD DS8	Standard	13.1	93.9	117.7	299	1.9	37.4	6.4	601	2.45	21.5	2.3	115.7	5.6	66	2.0	4.4	5.6	36	0.70	0.071
STD DS8	Standard	13.3	95.6	117.7	293	1.7	38.2	6.3	576	2.33	21.2	2.4	113.2	5.7	63	2.0	4.4	5.2	37	0.69	0.067
STD DS8	Standard	12.7	101.9	124.0	306	1.7	35.6	7.3	596	2.69	23.5	2.7	104.9	6.4	59	2.0	4.4	6.1	41	0.68	0.075
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

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Part 2

QUALITY CONTROL REPORT

WHI11000830.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145091	Soil	13	22	0.57	354	0.049	2	1.10	0.033	0.07	0.3	0.04	2.3	<0.1	0.06	3	<0.5	<0.2
REP 145091	QC	14	22	0.53	315	0.049	2	1.07	0.032	0.07	0.2	0.02	2.3	<0.1	0.06	3	0.5	<0.2
146017	Soil	30	26	0.41	158	0.048	<1	1.66	0.006	0.07	0.1	0.04	2.4	0.1	<0.05	5	<0.5	<0.2
REP 146017	QC	29	27	0.40	153	0.050	1	1.61	0.006	0.07	0.1	0.04	2.5	0.1	<0.05	5	<0.5	<0.2
146044	Soil	29	28	0.40	750	0.048	2	1.37	0.011	0.12	0.3	0.10	4.3	0.2	<0.05	4	1.0	<0.2
REP 146044	QC	28	27	0.40	725	0.046	2	1.38	0.011	0.12	0.3	0.10	4.3	0.2	<0.05	4	1.2	<0.2
Reference Materials																		
STD DS8	Standard	14	114	0.61	282	0.109	3	0.92	0.091	0.42	3.1	0.20	2.3	5.6	0.12	5	5.9	5.1
STD DS8	Standard	16	127	0.67	281	0.134	2	0.99	0.089	0.39	3.1	0.21	1.6	5.6	0.25	5	5.4	5.0
STD DS8	Standard	17	125	0.71	312	0.135	4	1.00	0.096	0.45	3.3	0.23	2.2	6.1	0.17	5	5.3	5.5
STD DS8	Standard	17	125	0.65	268	0.131	2	0.98	0.089	0.43	3.1	0.23	1.9	5.8	0.20	5	5.6	5.1
STD DS8	Standard	15	124	0.61	233	0.119	2	0.88	0.080	0.39	2.7	0.18	1.6	5.4	0.13	5	5.0	4.6
STD DS8	Standard	15	115	0.63	269	0.106	2	0.92	0.084	0.42	3.1	0.20	2.4	5.6	0.17	5	4.3	4.8
STD DS8	Standard	14	113	0.60	265	0.100	3	0.88	0.086	0.42	2.8	0.19	1.6	5.4	0.18	5	4.7	4.6
STD DS8	Standard	15	123	0.61	252	0.103	3	0.88	0.082	0.39	2.8	0.18	1.5	5.3	0.19	5	5.1	4.8
STD DS8	Standard	14	113	0.56	255	0.111	2	0.88	0.078	0.42	2.9	0.20	2.6	5.2	0.17	4	4.9	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 04, 2011
Report Date: September 14, 2011
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CERTIFICATE OF ANALYSIS

WHI11000831.1

CLIENT JOB INFORMATION

Project: Wounded Moose
Shipment ID: 20110727133055
P.O. Number
Number of Samples: 317

SAMPLE DISPOSAL

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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	317	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	317	Dry at 60C			VAN
1DX2	317	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Part 1

CERTIFICATE OF ANALYSIS

WHI11000831.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
100226	Soil				1.0	43.7	9.0	68	<0.1	29.1	12.7	332	3.25	18.4	1.5	1.1	5.4	18	0.1	1.2	0.2	74	0.18	0.019
100227	Soil				1.8	20.8	12.2	73	0.3	28.4	11.4	329	3.34	14.8	0.5	<0.5	3.7	16	0.2	0.8	0.2	78	0.14	0.055
100228	Soil				1.0	23.8	9.1	55	0.3	18.0	6.7	211	2.70	9.2	1.2	1.5	4.2	18	<0.1	0.6	0.2	63	0.17	0.030
100229	Soil				1.4	29.1	7.6	71	0.3	22.5	11.5	333	3.49	25.4	1.6	6.3	4.4	22	<0.1	2.2	0.1	80	0.26	0.027
100230	Soil				1.0	20.4	7.1	59	0.3	17.2	9.5	325	2.64	11.9	1.3	3.1	5.1	20	<0.1	0.9	0.1	59	0.28	0.049
100231	Soil				1.1	19.2	8.7	58	0.1	19.0	9.4	313	3.02	13.0	1.2	0.5	4.2	27	<0.1	0.6	0.2	67	0.35	0.035
100232	Soil				0.9	16.5	8.5	54	0.2	19.2	9.2	363	2.68	9.4	0.9	<0.5	3.7	24	<0.1	0.4	0.2	65	0.32	0.034
100233	Soil				1.8	44.3	9.7	106	<0.1	27.7	4.8	141	3.02	7.9	2.6	<0.5	11.3	10	0.1	0.5	<0.1	64	0.09	0.045
100234	Soil				0.7	27.8	15.7	73	<0.1	26.1	10.4	348	3.01	16.4	3.5	<0.5	13.1	21	<0.1	1.1	0.1	49	0.21	0.032
100235	Soil				2.2	26.7	12.2	50	0.2	20.4	7.2	258	2.94	28.9	0.9	<0.5	4.7	15	<0.1	3.2	0.5	56	0.10	0.026
100236	Soil				1.9	33.6	11.5	13	<0.1	10.6	2.6	42	1.48	54.5	2.7	0.6	8.9	49	<0.1	10.9	0.4	36	0.03	0.045
100237	Soil				1.8	27.2	11.1	60	0.1	21.0	10.5	221	3.20	100.4	1.2	2.1	4.9	20	0.2	3.9	0.2	64	0.10	0.031
100238	Soil				1.5	19.0	10.7	54	0.2	16.9	7.1	258	2.70	36.6	1.3	3.1	5.1	19	0.1	2.1	0.2	59	0.14	0.024
100239	Soil				3.1	22.8	10.1	36	0.2	13.1	5.0	151	1.85	48.4	1.5	<0.5	5.0	24	<0.1	7.6	0.2	40	0.11	0.017
100240	Soil				2.8	24.3	10.9	38	0.3	13.2	5.6	161	1.97	47.4	1.7	3.4	4.5	26	<0.1	6.5	0.2	44	0.14	0.022
100241	Soil				3.0	27.1	12.4	42	0.2	13.0	4.1	123	2.36	49.9	1.9	0.8	5.4	21	<0.1	6.5	0.3	52	0.07	0.033
100242	Soil				1.7	22.6	9.8	37	0.5	12.6	5.4	174	2.18	20.5	1.1	<0.5	2.9	23	0.1	1.3	0.2	53	0.18	0.047
100243	Soil				3.3	31.1	10.3	67	0.3	16.0	5.6	181	2.86	58.4	1.5	0.8	5.0	19	0.1	6.2	0.2	58	0.09	0.028
100244	Soil				1.6	29.1	9.3	46	0.3	16.7	7.1	254	2.62	21.5	1.8	5.7	5.6	17	<0.1	1.8	0.2	56	0.13	0.020
100245	Soil				2.1	19.3	10.5	47	0.2	13.6	6.9	232	2.55	29.5	1.0	<0.5	3.7	17	0.1	2.2	0.2	62	0.13	0.046
100246	Soil				2.6	25.5	10.8	46	0.3	15.9	6.4	221	2.49	33.0	2.0	0.6	4.8	22	<0.1	4.1	0.2	63	0.15	0.023
100247	Soil				3.7	83.7	12.3	77	0.2	24.8	8.6	229	2.88	40.8	2.1	<0.5	8.9	10	0.1	4.3	0.4	42	0.04	0.040
100248	Soil				1.1	28.0	10.6	52	0.2	22.4	8.0	218	2.88	30.6	1.0	2.5	5.2	17	0.1	2.9	0.2	62	0.12	0.016
100249	Soil				2.9	31.8	13.0	47	<0.1	17.0	6.8	177	2.95	105.7	1.4	0.7	5.9	14	0.2	6.9	0.3	61	0.06	0.033
100250	Soil				3.0	40.6	10.1	42	0.2	22.5	9.2	138	2.79	218.8	1.8	<0.5	3.6	20	0.1	12.5	0.2	62	0.08	0.025
100251	Soil				2.1	65.9	11.0	52	0.2	25.4	8.1	248	2.78	39.8	2.8	4.1	10.8	20	0.1	4.0	0.3	56	0.09	0.021
100252	Soil				2.6	53.0	12.0	65	0.3	22.5	7.4	230	3.17	55.5	2.3	3.8	10.0	17	0.2	3.0	0.6	60	0.09	0.028
100253	Soil				1.3	21.7	9.3	85	0.1	32.4	10.2	318	3.20	16.0	1.9	<0.5	9.2	24	<0.1	1.1	0.2	63	0.30	0.047
100254	Soil				1.1	24.1	6.5	57	0.2	20.9	11.6	419	2.60	20.7	2.3	0.9	4.8	25	<0.1	1.1	0.1	54	0.39	0.055
100255	Soil				0.2	17.5	1.9	33	<0.1	16.9	11.3	235	2.09	3.9	0.4	<0.5	1.5	12	<0.1	0.2	<0.1	48	0.38	0.036



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
100226	Soil	18	47	0.69	479	0.097	<1	2.06	0.010	0.07	0.1	0.03	5.0	0.1	<0.05	6	<0.5
100227	Soil	12	36	0.55	325	0.060	1	2.37	0.007	0.06	0.2	<0.01	2.7	0.1	<0.05	7	<0.5
100228	Soil	14	37	0.53	383	0.075	<1	1.64	0.009	0.07	0.1	<0.01	3.4	0.1	<0.05	5	0.7
100229	Soil	12	40	0.47	601	0.063	<1	1.77	0.011	0.06	<0.1	0.10	5.9	0.2	<0.05	5	0.6
100230	Soil	15	39	0.54	371	0.073	<1	1.67	0.012	0.07	0.1	0.05	4.0	0.1	<0.05	5	<0.5
100231	Soil	14	48	0.70	356	0.118	1	2.00	0.016	0.09	0.2	0.01	3.8	0.1	<0.05	6	0.5
100232	Soil	13	68	0.77	356	0.118	1	1.84	0.019	0.10	0.1	<0.01	3.5	0.1	<0.05	6	<0.5
100233	Soil	39	40	0.67	245	0.106	2	1.69	0.006	0.50	0.1	<0.01	2.5	0.5	<0.05	5	1.2
100234	Soil	50	67	0.83	265	0.122	1	1.87	0.010	0.34	<0.1	0.10	5.8	0.3	<0.05	5	<0.5
100235	Soil	14	24	0.26	167	0.046	1	1.30	0.005	0.07	0.1	0.02	2.7	0.3	<0.05	5	0.5
100236	Soil	21	18	0.05	120	0.008	<1	0.82	0.003	0.04	<0.1	0.03	3.1	0.2	<0.05	2	0.6
100237	Soil	14	33	0.42	239	0.051	1	2.16	0.007	0.08	0.1	0.07	4.1	0.1	<0.05	6	0.6
100238	Soil	16	32	0.50	229	0.073	1	1.79	0.008	0.09	0.1	0.03	2.8	0.1	<0.05	5	0.6
100239	Soil	14	22	0.31	237	0.040	1	0.95	0.006	0.05	0.1	0.09	2.9	0.2	<0.05	3	1.1
100240	Soil	15	23	0.30	302	0.040	1	1.10	0.006	0.06	0.1	0.11	3.3	0.2	<0.05	4	1.5
100241	Soil	16	22	0.21	230	0.033	2	0.87	0.005	0.05	0.1	0.07	3.0	0.3	<0.05	3	2.2
100242	Soil	15	24	0.33	328	0.055	2	1.35	0.009	0.08	0.2	0.05	2.5	0.1	<0.05	5	<0.5
100243	Soil	13	27	0.29	239	0.050	2	1.24	0.006	0.05	0.1	0.09	3.1	0.3	<0.05	4	1.5
100244	Soil	18	31	0.44	339	0.054	2	1.60	0.008	0.05	0.1	0.15	3.9	0.2	<0.05	5	<0.5
100245	Soil	15	24	0.32	249	0.050	1	1.39	0.006	0.06	0.2	<0.01	2.4	0.1	<0.05	6	<0.5
100246	Soil	19	28	0.41	292	0.058	1	1.59	0.008	0.06	0.2	0.10	3.9	0.2	<0.05	5	0.8
100247	Soil	30	18	0.17	192	0.028	2	0.92	0.003	0.12	<0.1	0.02	3.3	0.3	<0.05	3	0.8
100248	Soil	14	34	0.50	247	0.065	2	1.94	0.008	0.06	0.2	0.07	3.6	0.1	<0.05	5	<0.5
100249	Soil	15	23	0.22	151	0.037	<1	1.11	0.004	0.05	0.1	0.02	2.7	0.2	<0.05	5	1.1
100250	Soil	11	33	0.26	226	0.026	1	1.86	0.005	0.05	0.1	0.17	3.4	0.2	<0.05	5	2.0
100251	Soil	28	35	0.42	215	0.046	2	1.82	0.007	0.06	<0.1	0.23	5.7	0.1	<0.05	4	0.7
100252	Soil	24	39	0.44	234	0.062	1	1.67	0.006	0.13	<0.1	0.05	4.1	0.3	<0.05	5	1.7
100253	Soil	28	121	0.92	334	0.116	1	2.05	0.010	0.34	<0.1	0.01	4.7	0.4	<0.05	7	<0.5
100254	Soil	21	44	0.57	364	0.068	<1	1.46	0.014	0.14	0.2	0.07	4.1	0.2	<0.05	5	0.7
100255	Soil	6	45	0.84	198	0.062	<1	1.38	0.021	0.04	<0.1	<0.01	3.5	<0.1	<0.05	4	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
100256	Soil	1.1	20.8	7.5	82	0.1	21.2	12.9	347	3.16	7.4	0.9	2.4	5.7	10	0.1	0.4	0.1	62	0.23	0.072
100257	Soil	1.2	20.8	8.8	55	0.2	21.1	7.6	192	2.85	10.6	0.8	2.6	3.3	18	0.2	0.6	0.1	68	0.16	0.024
100258	Soil	1.0	25.7	9.2	54	0.2	20.2	7.6	174	2.36	14.0	1.2	0.5	4.0	19	<0.1	1.3	0.1	56	0.21	0.016
100259	Soil	0.7	45.8	5.8	75	0.1	31.4	18.7	322	2.75	11.2	2.0	<0.5	3.4	18	0.1	1.0	0.1	64	0.25	0.014
100260	Soil	0.5	40.3	3.3	34	0.1	26.7	12.7	174	2.47	6.9	0.8	0.8	2.2	11	0.1	0.9	<0.1	59	0.24	0.010
100261	Soil	0.2	44.3	1.1	42	<0.1	32.6	15.6	240	1.96	5.5	0.8	<0.5	1.1	11	0.3	0.7	<0.1	44	0.33	0.022
100262	Soil	3.9	85.0	14.4	159	0.5	49.1	6.9	85	3.44	74.7	2.0	3.4	4.5	16	0.4	4.9	0.2	77	0.06	0.037
100263	Soil	1.1	31.5	12.0	71	0.1	22.0	9.1	279	2.70	14.1	1.5	2.6	6.0	23	0.1	1.5	0.3	45	0.28	0.052
100264	Soil	1.0	25.5	10.0	59	<0.1	17.3	6.6	195	2.22	15.5	1.2	3.5	5.1	16	0.2	2.2	0.2	40	0.16	0.043
100265	Soil	1.3	22.4	11.5	52	0.2	15.4	6.8	174	2.18	20.7	1.2	2.6	4.4	16	0.1	3.7	0.2	42	0.14	0.039
100266	Soil	1.8	35.6	12.2	68	0.2	20.4	8.2	249	2.55	27.1	1.6	3.4	4.7	24	0.3	4.8	0.2	48	0.24	0.056
100267	Soil	1.5	29.7	11.8	57	0.3	18.4	9.5	242	2.55	24.2	1.5	9.5	3.8	18	0.1	2.8	0.2	49	0.15	0.043
100268	Soil	1.0	24.4	10.8	54	0.1	17.0	7.3	213	2.28	18.1	1.4	2.8	5.1	19	0.1	1.9	0.2	41	0.21	0.040
100269	Soil	1.1	21.2	11.8	61	<0.1	18.7	8.8	423	2.54	11.8	1.3	3.4	4.6	15	0.2	1.0	0.2	48	0.15	0.019
100270	Soil	0.7	27.3	12.0	121	<0.1	35.2	14.2	345	4.02	12.5	1.0	1.4	9.5	14	<0.1	0.8	0.2	58	0.22	0.045
100271	Soil	1.8	93.9	11.5	103	<0.1	24.6	12.3	664	3.72	19.6	1.2	6.1	6.0	11	<0.1	1.8	0.2	64	0.15	0.030
100272	Soil	0.6	78.6	5.0	73	<0.1	13.3	10.9	840	2.73	3.4	0.7	1.7	1.7	9	0.1	0.3	0.1	57	0.23	0.124
100273	Soil	0.6	27.1	14.2	70	0.1	22.0	15.3	411	2.69	7.7	2.0	15.2	25.9	5	<0.1	0.8	0.2	22	0.06	0.030
100274	Soil	1.3	88.6	8.1	110	0.2	42.7	10.9	592	3.33	42.0	3.3	6.9	9.0	6	0.2	12.0	0.2	47	0.04	0.029
100275	Soil	0.8	70.2	13.5	107	0.1	36.6	13.1	451	5.37	29.4	4.1	22.0	9.0	10	0.1	12.6	0.2	45	0.04	0.050
100276	Soil	1.0	33.0	12.2	66	<0.1	27.4	8.1	283	2.68	17.5	1.6	5.1	5.9	13	0.1	1.7	0.2	48	0.09	0.021
100277	Soil	0.7	28.5	13.0	92	<0.1	23.6	5.0	345	2.71	33.3	2.2	5.6	7.8	14	0.1	4.2	0.2	33	0.05	0.027
100278	Soil	0.9	27.0	12.6	71	<0.1	22.2	9.8	348	2.64	20.0	1.8	4.0	6.9	17	<0.1	1.6	0.2	49	0.13	0.019
100279	Soil	1.0	29.9	12.8	87	<0.1	23.0	8.1	257	2.75	24.6	1.7	3.7	6.5	18	<0.1	2.5	0.2	48	0.13	0.022
100280	Soil	0.9	75.0	9.7	131	<0.1	33.1	9.4	604	2.94	18.5	2.1	3.4	5.6	17	0.3	1.5	0.1	61	0.13	0.021
100281	Soil	1.0	26.6	9.9	102	<0.1	21.6	8.1	559	2.56	15.3	0.9	1.5	3.0	11	0.2	1.3	0.2	53	0.10	0.032
100282	Soil	0.9	37.5	11.9	97	<0.1	30.7	7.9	435	2.49	19.1	2.1	3.7	7.8	17	0.1	1.4	0.2	41	0.13	0.022
100283	Soil	0.9	41.5	16.6	103	<0.1	33.3	8.6	568	2.77	27.2	2.6	2.7	16.9	18	0.1	1.3	0.4	37	0.08	0.038
100284	Soil	0.6	71.3	8.3	76	<0.1	21.5	10.0	427	2.59	8.2	1.3	3.6	4.3	24	<0.1	0.6	0.1	47	0.21	0.033
100285	Soil	1.0	47.1	10.9	86	0.1	32.9	9.7	530	2.59	13.5	1.3	4.3	7.1	19	0.2	1.4	0.2	43	0.13	0.037



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
100256	Soil	15	46	0.84	256	0.108	<1	2.21	0.016	0.26	<0.1	0.02	3.7	0.2	<0.05	7	<0.5
100257	Soil	13	48	0.57	312	0.079	<1	1.70	0.008	0.08	0.1	0.03	2.8	0.1	<0.05	6	0.5
100258	Soil	14	32	0.43	365	0.067	1	1.54	0.010	0.04	0.1	0.03	3.5	0.1	<0.05	5	<0.5
100259	Soil	15	42	0.49	458	0.074	<1	1.61	0.012	0.03	<0.1	0.07	7.5	0.1	<0.05	4	0.8
100260	Soil	8	39	0.39	239	0.108	<1	1.41	0.013	0.03	<0.1	0.02	4.9	0.1	<0.05	3	<0.5
100261	Soil	5	35	0.41	210	0.071	<1	0.95	0.015	0.03	<0.1	<0.01	5.2	<0.1	<0.05	2	<0.5
100262	Soil	10	34	0.15	396	0.015	<1	0.88	0.004	0.06	0.2	0.03	4.4	0.7	<0.05	2	1.8
100263	Soil	18	27	0.47	342	0.064	1	1.37	0.009	0.07	0.2	0.09	3.7	0.1	<0.05	4	<0.5
100264	Soil	16	24	0.32	229	0.055	1	1.03	0.006	0.04	0.2	0.09	3.1	<0.1	<0.05	3	0.6
100265	Soil	16	23	0.31	234	0.044	<1	1.12	0.006	0.03	0.1	0.09	2.8	0.1	<0.05	3	0.6
100266	Soil	16	28	0.34	336	0.053	<1	1.18	0.008	0.05	0.1	0.16	4.3	0.1	<0.05	3	<0.5
100267	Soil	16	25	0.31	258	0.041	1	1.44	0.007	0.04	0.1	0.09	3.5	0.2	<0.05	4	<0.5
100268	Soil	16	22	0.31	265	0.043	<1	1.17	0.007	0.04	0.2	0.12	3.5	<0.1	<0.05	3	<0.5
100269	Soil	17	27	0.40	347	0.038	<1	1.54	0.007	0.04	0.2	0.05	3.5	<0.1	<0.05	4	<0.5
100270	Soil	19	44	0.79	256	0.093	<1	2.09	0.004	0.52	<0.1	0.02	4.0	0.4	<0.05	5	0.9
100271	Soil	20	11	1.09	958	0.124	<1	1.78	0.007	0.56	<0.1	0.02	9.0	0.3	<0.05	7	<0.5
100272	Soil	7	8	1.61	965	0.117	<1	2.20	0.021	0.53	<0.1	<0.01	6.0	<0.1	<0.05	8	<0.5
100273	Soil	103	19	0.94	181	0.092	<1	1.68	0.006	0.66	<0.1	0.01	2.1	0.6	<0.05	5	<0.5
100274	Soil	20	16	0.35	361	0.032	<1	1.38	0.003	0.12	<0.1	0.05	7.2	0.2	<0.05	4	0.6
100275	Soil	13	12	0.46	580	0.054	<1	1.16	0.003	0.41	<0.1	0.03	7.4	0.8	<0.05	5	<0.5
100276	Soil	15	28	0.45	380	0.044	1	1.64	0.005	0.06	0.1	0.06	4.1	0.2	<0.05	4	0.5
100277	Soil	15	17	0.16	232	0.018	<1	0.72	0.002	0.05	<0.1	0.07	5.2	0.2	<0.05	2	<0.5
100278	Soil	21	30	0.38	299	0.059	<1	1.51	0.007	0.07	0.1	0.05	5.3	0.1	<0.05	4	<0.5
100279	Soil	17	26	0.37	297	0.055	1	1.52	0.006	0.07	0.1	0.08	4.8	0.2	<0.05	5	<0.5
100280	Soil	23	22	0.69	388	0.080	<1	1.78	0.007	0.16	0.1	0.04	7.0	0.6	<0.05	6	0.5
100281	Soil	13	24	0.41	187	0.045	<1	1.49	0.004	0.05	0.2	0.02	2.9	0.4	<0.05	5	<0.5
100282	Soil	19	19	0.27	332	0.042	<1	0.97	0.005	0.05	0.1	0.04	4.7	0.3	<0.05	3	0.7
100283	Soil	34	17	0.11	332	0.015	<1	0.82	0.003	0.07	<0.1	0.07	5.8	0.3	<0.05	3	0.7
100284	Soil	14	19	1.09	800	0.085	<1	1.91	0.008	0.23	<0.1	0.03	5.4	0.1	<0.05	6	<0.5
100285	Soil	17	24	0.40	508	0.061	1	1.14	0.005	0.17	0.1	0.06	4.7	0.2	<0.05	4	<0.5



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
100286	Soil	0.8	30.8	20.7	58	0.1	19.9	5.5	220	1.78	17.9	1.5	3.1	9.1	20	0.1	1.0	0.2	33	0.07	0.020
100287	Soil	0.9	31.4	15.4	53	<0.1	19.2	7.6	234	2.24	18.2	2.1	3.5	6.8	17	<0.1	0.9	0.2	44	0.11	0.018
100288	Soil	1.2	30.8	11.8	62	<0.1	21.3	6.0	177	2.16	29.5	1.9	4.4	6.2	19	<0.1	2.0	0.2	33	0.11	0.034
100289	Soil	0.9	33.2	11.4	61	0.1	22.2	8.3	258	2.34	18.6	2.4	3.1	5.9	24	<0.1	1.0	0.2	45	0.24	0.039
100290	Soil	0.9	39.2	12.2	62	0.2	28.4	9.0	267	2.57	19.0	3.1	2.6	6.1	28	<0.1	1.2	0.2	50	0.30	0.048
100291	Soil	0.8	28.2	11.5	56	0.1	18.4	7.8	237	2.15	23.3	2.3	2.1	6.2	20	<0.1	0.8	0.1	44	0.11	0.024
100292	Soil	1.2	25.9	10.5	59	0.1	20.6	8.3	327	2.70	22.4	2.1	11.9	6.1	21	<0.1	1.6	0.2	44	0.21	0.043
100293	Soil	1.2	33.2	13.0	79	0.3	22.6	6.6	245	2.43	42.0	2.4	3.3	6.1	28	0.3	4.5	0.2	41	0.26	0.060
100294	Soil	0.9	29.8	11.1	60	0.2	19.4	6.1	155	2.16	16.7	2.4	3.9	5.5	25	<0.1	1.5	0.2	38	0.27	0.047
100295	Soil	1.5	37.2	15.8	63	0.3	24.5	7.8	211	3.14	15.6	5.1	6.2	7.4	32	0.3	1.4	0.3	47	0.40	0.079
100296	Soil	0.9	25.8	10.5	52	0.2	17.7	5.6	135	2.15	10.6	2.5	3.8	4.3	22	0.1	0.8	0.3	37	0.31	0.041
100297	Soil	0.8	27.1	11.1	66	0.1	17.6	6.4	181	2.06	10.5	1.6	3.0	5.1	24	0.2	1.0	0.2	33	0.29	0.057
100298	Soil	0.8	33.6	11.5	69	0.2	26.6	10.3	387	2.50	13.5	2.4	5.0	3.9	39	0.3	1.2	0.3	40	0.64	0.071
100299	Soil	0.9	28.8	10.6	61	0.1	22.3	8.0	212	2.40	13.3	2.1	3.3	3.0	30	0.3	0.9	0.2	42	0.43	0.070
100300	Soil	1.2	26.9	12.4	70	<0.1	30.4	13.4	270	3.01	17.2	0.6	6.2	4.9	18	<0.1	0.8	0.3	57	0.18	0.020
100301	Soil	1.2	59.9	13.0	63	0.1	36.2	13.7	439	3.19	15.7	2.2	4.8	6.8	19	0.2	1.2	0.3	65	0.19	0.028
100302	Soil	0.8	27.2	9.8	46	<0.1	22.5	10.3	339	2.36	11.0	1.8	4.9	4.2	20	<0.1	0.6	0.2	49	0.22	0.022
100303	Soil	1.1	21.9	9.8	54	<0.1	20.6	7.9	303	2.35	15.4	1.2	1.7	9.3	17	<0.1	1.1	0.2	41	0.20	0.027
100304	Soil	0.7	30.8	10.1	54	0.1	26.0	9.8	334	2.56	11.9	1.5	2.7	3.6	29	<0.1	0.6	0.2	48	0.39	0.064
100305	Soil	0.8	30.9	9.7	61	0.1	24.8	8.9	299	2.51	11.5	1.4	1.4	4.1	31	0.1	0.7	0.2	48	0.39	0.057
100306	Soil	0.9	27.2	10.0	53	0.1	20.7	10.3	349	2.43	12.7	2.3	2.7	4.1	25	<0.1	0.7	0.2	46	0.32	0.062
100307	Soil	0.8	29.5	9.8	53	0.1	22.6	9.3	352	2.45	11.7	2.4	5.4	3.0	31	0.1	0.6	0.2	49	0.39	0.064
100308	Soil	0.8	19.0	9.5	48	<0.1	18.1	9.4	318	2.36	12.0	0.9	1.4	3.9	21	<0.1	0.5	0.2	46	0.28	0.039
100309	Soil	0.8	30.8	9.5	55	0.2	24.7	8.7	328	2.24	12.0	2.7	12.1	3.3	35	0.2	0.7	0.2	43	0.48	0.075
100310	Soil	0.8	24.9	10.2	73	0.2	20.9	8.1	244	2.13	10.2	3.5	2.4	4.3	29	0.2	1.1	0.2	45	0.36	0.058
100311	Soil	1.0	29.1	11.4	84	0.2	29.7	14.4	1044	2.97	16.1	7.9	1.5	4.4	32	0.3	1.2	0.2	50	0.48	0.072
100312	Soil	1.2	28.0	11.1	78	0.2	28.1	14.6	936	2.77	16.8	7.2	2.8	4.1	32	0.4	1.2	0.2	50	0.50	0.066
100313	Soil	0.8	32.0	11.2	70	<0.1	43.0	12.4	358	3.07	10.6	1.0	1.1	8.2	18	0.2	0.6	0.2	52	0.19	0.016
100314	Soil	0.8	14.8	10.6	49	<0.1	16.8	6.5	175	2.02	10.0	0.6	2.4	3.4	13	0.1	0.5	0.2	44	0.12	0.037
100315	Soil	0.7	22.0	9.5	42	<0.1	13.8	6.3	197	1.54	8.3	0.5	1.2	2.2	10	0.2	0.6	0.2	32	0.12	0.032



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
100286	Soil	17	18	0.18	315	0.033	<1	0.76	0.005	0.09	<0.1	0.08	3.7	0.2	<0.05	2	0.6
100287	Soil	20	25	0.32	307	0.046	1	1.37	0.006	0.06	0.1	0.06	4.6	0.1	<0.05	4	<0.5
100288	Soil	15	16	0.19	261	0.031	<1	0.78	0.005	0.06	0.1	0.06	3.1	0.1	<0.05	2	<0.5
100289	Soil	17	27	0.37	374	0.051	<1	1.30	0.010	0.05	0.1	0.06	4.3	<0.1	<0.05	4	0.6
100290	Soil	18	29	0.43	434	0.056	<1	1.40	0.012	0.06	0.2	0.06	4.9	<0.1	<0.05	4	0.7
100291	Soil	18	22	0.25	344	0.026	1	1.14	0.005	0.05	<0.1	0.04	3.8	0.1	<0.05	3	0.5
100292	Soil	18	26	0.34	311	0.043	1	1.24	0.007	0.06	0.2	0.04	3.9	0.1	<0.05	3	<0.5
100293	Soil	19	23	0.30	318	0.035	1	1.05	0.009	0.08	0.2	0.08	3.7	0.2	<0.05	3	0.9
100294	Soil	20	22	0.31	336	0.033	1	1.20	0.008	0.06	0.2	0.06	3.6	0.1	<0.05	3	0.5
100295	Soil	33	32	0.36	497	0.018	<1	1.62	0.008	0.08	0.1	0.08	5.1	0.1	<0.05	5	1.4
100296	Soil	17	20	0.30	293	0.028	<1	1.20	0.008	0.05	<0.1	0.05	3.3	0.1	<0.05	4	<0.5
100297	Soil	21	20	0.29	279	0.043	<1	1.09	0.009	0.07	<0.1	0.04	3.0	0.1	<0.05	3	<0.5
100298	Soil	17	23	0.38	423	0.037	2	1.34	0.009	0.05	0.1	0.05	3.6	<0.1	0.05	4	<0.5
100299	Soil	17	25	0.39	343	0.037	<1	1.30	0.008	0.04	0.2	0.04	3.2	<0.1	<0.05	4	<0.5
100300	Soil	10	35	0.54	279	0.051	<1	2.04	0.007	0.05	0.2	0.03	3.3	<0.1	<0.05	5	<0.5
100301	Soil	25	36	0.45	425	0.063	<1	2.35	0.010	0.05	0.1	0.07	7.0	<0.1	<0.05	6	<0.5
100302	Soil	17	27	0.45	361	0.047	<1	1.64	0.008	0.04	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5
100303	Soil	12	25	0.37	288	0.050	<1	1.35	0.007	0.09	0.2	0.03	4.1	0.2	<0.05	4	<0.5
100304	Soil	16	27	0.47	403	0.045	1	1.45	0.012	0.04	0.2	0.04	3.6	<0.1	<0.05	4	<0.5
100305	Soil	16	28	0.49	408	0.053	<1	1.54	0.014	0.05	0.3	0.05	3.9	<0.1	<0.05	4	<0.5
100306	Soil	16	26	0.43	355	0.042	<1	1.55	0.009	0.04	0.2	0.05	3.6	<0.1	<0.05	4	<0.5
100307	Soil	15	26	0.46	369	0.046	2	1.56	0.011	0.05	0.2	0.04	3.4	<0.1	<0.05	4	<0.5
100308	Soil	13	25	0.47	280	0.043	<1	1.51	0.008	0.04	0.2	0.01	2.8	<0.1	<0.05	4	<0.5
100309	Soil	15	25	0.45	381	0.044	<1	1.33	0.012	0.05	0.3	0.04	3.6	<0.1	<0.05	4	0.6
100310	Soil	19	30	0.51	338	0.053	2	1.45	0.013	0.05	0.2	0.08	3.5	0.1	<0.05	4	0.9
100311	Soil	24	31	0.53	452	0.051	1	1.44	0.014	0.06	0.2	0.07	4.0	0.1	<0.05	5	0.7
100312	Soil	25	32	0.54	402	0.051	1	1.48	0.013	0.06	0.2	0.07	4.0	0.1	<0.05	4	0.8
100313	Soil	36	55	1.02	304	0.093	<1	1.89	0.007	0.22	0.2	0.02	3.9	0.2	<0.05	6	<0.5
100314	Soil	12	25	0.41	253	0.044	<1	1.56	0.007	0.05	0.2	0.01	2.4	<0.1	<0.05	4	<0.5
100315	Soil	10	21	0.41	232	0.031	<1	1.10	0.006	0.06	0.2	0.01	1.7	0.1	<0.05	3	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
100316	Soil	0.8	28.7	10.9	64	0.1	34.4	11.7	356	2.83	10.2	0.9	1.5	2.9	21	0.2	0.6	0.2	52	0.31	0.042
100317	Soil	1.0	31.5	9.4	66	0.1	27.6	8.9	317	2.36	10.1	1.1	2.1	3.3	32	0.4	0.7	0.2	43	0.52	0.077
100318	Soil	1.4	36.4	11.4	94	0.2	31.1	11.1	434	2.78	13.7	0.6	2.3	4.1	32	0.5	1.0	0.2	49	0.60	0.087
100319	Soil	1.1	35.2	10.6	72	0.2	30.4	11.5	443	2.71	12.1	1.0	4.0	3.9	35	0.4	0.8	0.2	48	0.59	0.076
100320	Soil	0.7	27.4	9.6	57	0.2	23.8	10.5	196	2.47	10.6	1.2	2.6	3.9	23	0.3	0.7	0.2	41	0.36	0.060
100321	Soil	1.2	50.1	10.8	68	0.2	39.9	11.4	524	2.43	12.0	1.9	3.5	2.7	52	0.4	1.0	0.2	43	1.11	0.076
100322	Soil	1.2	37.8	10.5	80	0.2	29.9	10.7	330	2.76	12.4	0.7	2.9	4.8	36	0.5	1.0	0.2	55	0.63	0.086
100323	Soil	0.9	29.0	10.8	55	<0.1	21.0	7.3	147	1.87	8.8	1.1	1.0	3.8	22	0.2	0.8	0.2	42	0.32	0.039
100324	Soil	0.7	16.4	8.5	47	<0.1	17.0	6.8	180	2.11	7.7	0.6	1.0	5.7	9	<0.1	0.4	0.2	47	0.09	0.018
100325	Soil	0.7	13.8	7.5	37	<0.1	14.3	6.0	195	1.82	6.7	0.4	<0.5	2.7	17	<0.1	0.4	0.2	40	0.20	0.035
100326	Soil	1.4	37.9	11.6	61	<0.1	27.4	10.5	307	3.16	17.7	1.4	8.3	6.5	14	0.1	0.8	0.2	55	0.12	0.023
100327	Soil	1.0	17.0	9.7	46	<0.1	17.8	9.5	210	2.14	7.7	0.7	1.1	4.0	13	<0.1	0.5	0.2	47	0.13	0.021
100328	Soil	1.1	27.2	11.5	82	0.1	24.0	9.1	255	2.39	10.8	1.0	1.5	4.1	27	0.4	0.9	0.2	41	0.35	0.076
100329	Soil	1.0	31.1	10.3	84	0.2	25.8	9.2	368	2.38	11.8	0.5	9.5	3.9	36	0.4	0.9	0.2	35	1.14	0.083
100330	Soil	0.8	26.3	9.1	70	0.2	21.1	8.5	343	2.08	7.8	1.4	2.7	3.8	34	0.3	0.8	0.2	40	0.55	0.092
100331	Soil	0.7	19.7	5.5	47	<0.1	17.1	5.4	174	1.70	7.1	0.5	0.9	3.6	20	0.1	0.6	0.1	34	0.30	0.065
100332	Soil	0.9	26.3	8.5	65	0.1	23.5	8.4	301	2.29	9.6	0.7	2.0	3.7	25	0.2	0.6	0.2	43	0.40	0.074
100333	Soil	0.9	29.2	9.1	61	0.1	26.0	9.1	378	2.35	9.8	1.6	3.9	3.4	30	0.3	0.7	0.2	44	0.48	0.070
100334	Soil	1.0	33.1	9.2	64	0.1	25.6	9.7	413	2.31	11.7	0.7	3.5	4.3	31	0.4	0.8	0.2	45	0.48	0.073
100335	Soil	0.8	30.4	9.5	57	0.1	24.2	9.7	360	2.26	10.8	2.0	2.9	3.1	39	0.2	0.7	0.2	47	0.57	0.076
119919	Soil	0.9	26.5	11.5	43	0.1	14.2	7.7	192	2.76	10.0	2.4	2.1	10.4	10	<0.1	0.5	0.2	57	0.09	0.021
119920	Soil	0.6	43.3	10.1	52	0.2	18.8	8.1	174	2.57	9.5	4.5	5.5	10.5	18	<0.1	0.5	0.2	50	0.21	0.043
119921	Soil	0.6	22.9	9.9	78	<0.1	22.5	14.2	346	3.53	11.9	1.3	1.8	10.8	11	<0.1	0.6	0.2	58	0.14	0.047
119922	Soil	1.4	36.1	14.0	115	<0.1	15.2	9.4	497	4.57	15.2	2.9	1.4	16.3	9	0.1	0.8	0.9	69	0.10	0.092
119923	Soil	1.1	24.8	12.4	95	0.1	14.6	10.4	470	4.17	7.7	0.9	0.6	6.3	13	0.1	0.4	0.1	73	0.14	0.046
119924	Soil	4.4	52.8	14.0	52	<0.1	6.9	5.0	166	2.86	66.6	4.4	1.6	13.7	7	<0.1	7.5	0.5	27	0.05	0.025
119925	Soil	0.9	32.0	12.8	56	<0.1	21.8	10.1	366	3.19	11.7	3.7	4.0	15.3	16	<0.1	0.9	0.2	55	0.14	0.017
119926	Soil	0.8	11.9	9.3	47	<0.1	14.3	6.1	171	2.42	12.1	1.4	0.9	5.1	13	<0.1	0.5	0.2	49	0.15	0.099
119927	Soil	1.0	11.1	9.7	47	0.1	10.9	8.6	398	2.32	13.3	1.0	1.9	5.9	12	<0.1	1.1	0.2	52	0.10	0.060
119928	Soil	1.3	27.1	10.0	53	<0.1	18.9	9.7	234	2.40	37.4	1.6	2.9	5.0	14	<0.1	3.2	0.2	53	0.10	0.016



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
100316	Soil	21	48	0.77	428	0.056	1	1.77	0.009	0.17	0.2	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
100317	Soil	14	26	0.50	390	0.043	2	1.26	0.013	0.05	0.3	0.03	3.5	<0.1	<0.05	4	0.7	<0.2
100318	Soil	15	28	0.65	407	0.052	2	1.37	0.018	0.09	0.3	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
100319	Soil	14	28	0.57	386	0.045	1	1.41	0.015	0.05	0.2	0.05	3.8	<0.1	<0.05	4	0.8	<0.2
100320	Soil	14	24	0.40	400	0.040	1	1.20	0.011	0.04	0.3	0.04	3.0	0.1	<0.05	4	0.8	<0.2
100321	Soil	15	25	0.57	522	0.038	2	1.46	0.024	0.06	0.2	0.05	3.4	<0.1	0.07	4	1.0	<0.2
100322	Soil	16	30	0.58	325	0.070	2	1.36	0.022	0.11	0.2	0.03	4.1	0.1	<0.05	4	0.8	<0.2
100323	Soil	19	29	0.51	387	0.048	1	1.50	0.015	0.07	0.2	0.03	4.1	0.1	<0.05	4	0.6	<0.2
100324	Soil	11	26	0.58	182	0.047	<1	1.69	0.005	0.04	0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
100325	Soil	9	22	0.36	246	0.045	<1	1.34	0.005	0.04	0.1	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
100326	Soil	17	34	0.48	290	0.060	1	1.86	0.007	0.06	0.2	0.05	5.9	<0.1	<0.05	5	0.5	<0.2
100327	Soil	10	26	0.37	229	0.047	<1	1.76	0.005	0.04	0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
100328	Soil	16	23	0.47	413	0.045	1	1.24	0.010	0.04	0.2	0.04	3.1	<0.1	<0.05	4	0.8	<0.2
100329	Soil	14	20	0.74	414	0.050	1	1.02	0.016	0.05	0.2	0.05	2.6	<0.1	<0.05	3	0.6	<0.2
100330	Soil	15	21	0.46	445	0.046	2	1.12	0.016	0.05	0.4	0.06	3.0	<0.1	<0.05	3	0.8	<0.2
100331	Soil	12	18	0.36	224	0.043	2	0.79	0.010	0.04	0.3	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
100332	Soil	15	24	0.48	345	0.048	1	1.17	0.013	0.05	0.4	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
100333	Soil	15	26	0.49	343	0.051	1	1.39	0.013	0.05	0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
100334	Soil	14	27	0.46	284	0.052	2	1.08	0.016	0.07	0.2	0.04	3.1	<0.1	<0.05	3	0.6	<0.2
100335	Soil	14	27	0.42	346	0.038	2	1.23	0.012	0.05	0.2	0.04	3.2	<0.1	<0.05	3	0.6	<0.2
119919	Soil	45	30	0.45	175	0.072	1	1.81	0.006	0.06	0.1	0.02	4.2	<0.1	<0.05	6	0.6	<0.2
119920	Soil	50	38	0.58	193	0.070	1	1.52	0.008	0.08	0.1	0.07	6.7	0.1	<0.05	4	0.6	<0.2
119921	Soil	15	34	0.73	221	0.136	1	2.60	0.007	0.48	0.2	0.02	5.0	0.4	<0.05	8	<0.5	<0.2
119922	Soil	25	29	0.65	186	0.118	<1	2.43	0.006	0.60	0.1	0.02	6.3	0.5	<0.05	12	<0.5	<0.2
119923	Soil	9	41	0.90	219	0.218	1	2.59	0.006	0.61	0.3	0.02	4.0	0.4	<0.05	12	<0.5	<0.2
119924	Soil	24	15	0.21	122	0.028	<1	1.40	0.002	0.25	<0.1	0.04	4.1	0.5	<0.05	6	1.2	<0.2
119925	Soil	34	41	0.55	268	0.068	<1	1.94	0.008	0.08	0.1	0.07	5.7	0.1	<0.05	5	<0.5	<0.2
119926	Soil	27	22	0.40	136	0.081	<1	1.27	0.005	0.20	0.2	0.01	2.7	0.2	<0.05	6	<0.5	<0.2
119927	Soil	16	26	0.37	117	0.070	<1	1.13	0.005	0.11	0.1	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
119928	Soil	15	32	0.40	239	0.048	<1	1.46	0.005	0.03	0.1	0.15	4.2	0.1	<0.05	4	<0.5	<0.2



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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
119929	Soil	1.4	31.5	11.3	59	<0.1	23.8	10.7	216	3.01	26.8	2.0	3.7	6.3	17	<0.1	1.7	0.2	62	0.12	0.014
119930	Soil	1.1	24.0	10.0	54	0.1	18.8	7.8	189	2.25	22.4	0.8	4.3	4.3	14	0.1	1.2	0.2	54	0.11	0.014
119931	Soil	1.1	28.8	10.2	56	0.2	21.8	17.4	1245	2.56	20.0	1.1	1.8	3.4	13	0.2	1.5	0.2	62	0.12	0.020
119932	Soil	1.3	31.0	12.0	61	0.6	23.2	15.6	764	2.75	25.1	0.9	0.9	3.1	19	0.2	1.1	0.2	74	0.17	0.032
119933	Soil	0.6	34.8	5.6	66	<0.1	34.6	15.4	481	3.57	13.0	1.0	1.4	3.1	19	<0.1	1.2	<0.1	66	0.37	0.061
119934	Soil	0.7	23.6	4.2	51	0.1	19.0	12.0	283	2.80	10.7	0.7	1.2	2.7	11	<0.1	0.6	<0.1	64	0.21	0.021
119935	Soil	0.8	27.7	8.0	52	0.3	21.0	19.7	719	2.95	11.5	1.2	1.7	3.9	19	<0.1	0.7	0.1	69	0.28	0.032
119936	Soil	0.8	20.3	7.0	54	0.2	17.8	9.7	257	2.70	10.0	0.9	0.9	3.6	18	<0.1	0.7	0.1	52	0.28	0.055
119937	Soil	1.0	26.4	8.8	52	0.3	18.2	11.7	439	2.26	23.9	1.5	2.7	4.2	20	0.2	1.6	0.2	49	0.22	0.038
119938	Soil	0.9	28.0	7.3	50	<0.1	21.5	9.3	238	2.36	26.8	0.7	2.0	4.1	16	0.1	2.1	0.1	50	0.19	0.021
119939	Soil	0.9	37.4	8.9	65	0.2	23.5	11.2	317	3.10	27.2	2.4	2.8	6.4	17	0.1	2.0	0.2	72	0.22	0.016
119940	Soil	1.1	24.1	10.0	61	0.2	20.3	11.7	553	2.93	27.2	1.1	2.7	5.3	13	<0.1	1.3	0.2	65	0.14	0.017
119941	Soil	0.8	17.7	10.5	51	0.1	14.6	8.6	271	2.37	27.7	2.2	2.4	7.1	15	0.1	1.4	0.2	46	0.16	0.041
119942	Soil	1.1	15.4	13.7	62	<0.1	13.8	6.1	200	2.61	23.3	1.7	<0.5	8.4	14	0.1	2.6	0.2	51	0.09	0.038
119943	Soil	1.2	18.7	28.8	112	<0.1	17.7	10.8	323	4.56	12.7	4.9	<0.5	21.1	10	<0.1	1.4	0.3	75	0.10	0.058
119944	Soil	0.6	15.9	6.8	91	<0.1	15.4	12.4	437	3.69	4.3	0.9	1.1	7.3	17	<0.1	0.3	<0.1	64	0.28	0.075
119945	Soil	0.8	10.7	7.6	56	0.1	9.5	6.6	229	2.54	6.0	0.6	0.8	4.6	15	<0.1	0.3	0.1	51	0.12	0.022
119946	Soil	1.5	29.2	15.9	48	0.6	11.6	8.0	210	3.56	9.3	2.0	4.7	13.2	11	<0.1	0.4	0.2	66	0.10	0.052
119947	Soil	0.8	76.7	8.2	87	0.2	26.3	12.5	443	3.12	8.5	0.8	2.2	3.2	31	0.3	0.8	0.2	69	0.61	0.082
119948	Soil	1.1	37.0	10.6	76	0.1	28.4	11.3	408	2.55	11.8	0.8	2.2	4.3	55	0.3	1.0	0.2	51	1.67	0.073
119949	Soil	0.2	109.2	1.0	62	<0.1	13.6	20.0	363	3.96	1.6	0.2	1.0	0.6	19	<0.1	0.1	<0.1	114	0.41	0.062
119950	Soil	0.2	75.8	2.5	92	<0.1	21.7	14.8	316	3.85	1.7	0.5	0.7	1.4	26	<0.1	0.2	<0.1	84	0.36	0.043
119951	Soil	0.5	124.8	2.9	82	<0.1	40.9	21.7	367	5.44	4.1	1.2	3.6	1.7	33	<0.1	0.4	<0.1	152	0.51	0.040
119952	Soil	0.4	45.7	7.4	47	<0.1	162.7	15.5	274	3.10	5.1	1.3	2.4	4.3	15	<0.1	0.3	0.1	64	0.31	0.040
119953	Soil	0.5	69.6	6.1	76	<0.1	241.5	38.7	338	5.14	14.0	1.4	1.6	5.2	17	<0.1	0.5	0.2	118	0.41	0.068
119954	Soil	0.4	60.2	9.0	69	<0.1	117.2	18.6	701	4.26	4.7	1.1	<0.5	4.1	20	<0.1	0.4	0.1	117	0.45	0.081
119955	Soil	1.0	48.9	10.7	61	<0.1	51.1	13.2	241	3.32	11.6	1.5	3.7	6.5	22	<0.1	0.6	0.2	70	0.27	0.024
119956	Soil	0.9	47.2	12.3	52	0.1	34.0	11.3	272	3.20	14.0	1.1	6.2	6.2	21	0.1	0.8	0.3	71	0.24	0.020
119957	Soil	0.9	26.1	11.3	55	0.1	18.5	7.0	166	1.83	8.5	1.0	59.2	4.7	16	0.1	0.6	0.3	37	0.18	0.050
119958	Soil	0.9	31.9	9.8	75	0.2	26.4	8.4	315	2.35	10.7	1.5	2.4	4.5	28	0.5	0.9	0.2	44	0.40	0.078



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
119929	Soil	19	38	0.49	303	0.056	1	1.87	0.007	0.04	0.1	0.09	4.6	0.1	<0.05	5	0.5	<0.2
119930	Soil	11	28	0.38	255	0.044	<1	1.40	0.006	0.03	<0.1	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
119931	Soil	10	32	0.34	331	0.032	<1	1.36	0.005	0.04	<0.1	0.07	4.4	<0.1	<0.05	5	<0.5	<0.2
119932	Soil	14	33	0.38	673	0.044	<1	1.80	0.007	0.04	0.1	0.06	4.1	0.2	<0.05	6	<0.5	<0.2
119933	Soil	10	57	0.66	330	0.057	<1	1.55	0.010	0.08	<0.1	0.05	7.6	0.2	<0.05	5	<0.5	<0.2
119934	Soil	8	47	0.75	171	0.100	1	1.52	0.009	0.15	<0.1	0.02	4.5	0.2	<0.05	5	<0.5	<0.2
119935	Soil	14	50	0.70	303	0.087	<1	1.79	0.009	0.14	0.1	0.05	6.1	0.1	<0.05	5	<0.5	<0.2
119936	Soil	13	41	0.71	264	0.110	<1	1.47	0.010	0.15	0.1	0.02	3.4	0.2	<0.05	5	<0.5	<0.2
119937	Soil	14	28	0.34	384	0.045	1	1.19	0.007	0.04	0.2	0.07	4.1	<0.1	<0.05	4	0.8	<0.2
119938	Soil	12	30	0.34	316	0.047	<1	1.07	0.008	0.04	<0.1	0.08	4.4	<0.1	<0.05	3	<0.5	<0.2
119939	Soil	18	40	0.46	315	0.042	<1	1.63	0.007	0.04	<0.1	0.11	8.5	0.2	<0.05	4	<0.5	<0.2
119940	Soil	12	34	0.43	273	0.044	<1	1.63	0.006	0.03	<0.1	0.06	4.6	0.1	<0.05	5	<0.5	<0.2
119941	Soil	18	28	0.38	190	0.055	<1	1.38	0.006	0.07	0.1	0.12	3.2	0.2	<0.05	4	<0.5	<0.2
119942	Soil	25	25	0.36	123	0.064	<1	1.27	0.004	0.18	0.1	0.04	3.8	0.4	<0.05	5	<0.5	<0.2
119943	Soil	144	59	1.04	206	0.158	<1	2.95	0.006	0.99	<0.1	0.03	10.4	1.0	<0.05	14	<0.5	<0.2
119944	Soil	30	99	1.29	270	0.182	<1	2.25	0.008	0.80	0.2	0.01	2.2	0.4	<0.05	8	<0.5	<0.2
119945	Soil	10	33	0.63	134	0.156	<1	1.53	0.007	0.38	0.1	0.01	1.4	0.3	<0.05	8	<0.5	<0.2
119946	Soil	36	32	0.32	223	0.082	<1	3.00	0.010	0.07	<0.1	0.04	4.1	0.3	<0.05	8	<0.5	<0.2
119947	Soil	14	30	0.78	297	0.048	1	1.52	0.015	0.07	0.2	0.04	5.5	<0.1	<0.05	5	<0.5	<0.2
119948	Soil	15	27	0.71	409	0.063	2	1.17	0.021	0.07	0.3	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
119949	Soil	2	31	1.22	334	0.123	<1	2.12	0.012	0.27	<0.1	0.01	6.7	<0.1	<0.05	7	<0.5	<0.2
119950	Soil	7	26	1.02	425	0.105	<1	2.13	0.007	0.15	<0.1	0.01	4.1	<0.1	<0.05	8	<0.5	<0.2
119951	Soil	8	98	1.21	244	0.041	<1	2.40	0.012	0.07	<0.1	0.02	12.2	<0.1	<0.05	9	<0.5	<0.2
119952	Soil	15	143	0.87	195	0.054	<1	1.48	0.009	0.05	<0.1	0.01	7.5	<0.1	<0.05	4	<0.5	<0.2
119953	Soil	29	201	1.93	325	0.152	1	2.75	0.013	0.26	<0.1	<0.01	7.8	0.2	<0.05	8	0.6	<0.2
119954	Soil	20	158	1.90	410	0.078	1	2.68	0.009	0.12	<0.1	0.02	10.1	<0.1	<0.05	10	<0.5	<0.2
119955	Soil	20	60	0.64	362	0.075	1	2.28	0.009	0.06	<0.1	0.03	8.1	<0.1	<0.05	6	<0.5	<0.2
119956	Soil	21	45	0.43	526	0.052	<1	2.37	0.007	0.06	<0.1	0.05	7.6	<0.1	<0.05	7	<0.5	<0.2
119957	Soil	19	26	0.54	313	0.051	1	1.47	0.007	0.09	0.2	0.01	3.0	0.1	<0.05	4	<0.5	<0.2
119958	Soil	15	25	0.48	386	0.053	1	1.14	0.014	0.07	0.2	0.04	3.3	<0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
119959	Soil	1.2	33.0	9.6	65	0.2	25.3	9.9	387	2.30	9.6	1.4	1.7	2.7	53	0.5	0.9	0.2	42	0.87	0.081
119960	Soil	0.7	31.1	11.5	86	0.2	26.4	10.0	427	2.38	8.8	1.6	3.2	4.5	38	0.4	0.8	0.2	47	0.70	0.065
119961	Soil	1.3	34.0	10.0	75	0.2	29.1	9.9	394	2.56	12.1	0.9	5.3	4.1	42	0.3	0.9	0.2	46	0.59	0.074
119962	Soil	1.3	32.0	9.6	80	0.1	27.6	9.5	402	2.41	11.7	0.6	1.3	4.4	34	0.4	1.1	0.2	46	0.69	0.087
119963	Soil	1.3	36.4	10.7	87	0.2	28.7	10.2	348	2.52	12.3	1.3	3.7	4.7	46	0.5	1.2	0.2	49	1.29	0.082
119964	Soil	0.5	52.6	11.2	41	0.3	26.8	7.4	191	2.35	14.9	2.3	4.2	3.9	42	0.4	1.3	0.2	57	0.78	0.055
119965	Soil	1.1	36.9	11.5	80	0.1	29.9	11.6	354	2.80	15.2	1.1	2.4	4.9	32	0.4	1.0	0.2	46	0.47	0.083
119966	Soil	1.4	44.8	14.2	80	0.1	32.8	12.0	289	3.24	16.9	0.8	3.6	6.7	23	0.1	1.1	0.2	62	0.38	0.025
119967	Soil	1.0	50.7	14.9	60	<0.1	33.3	11.9	238	3.23	14.6	1.0	5.8	6.7	21	0.1	0.7	0.3	68	0.23	0.019
119968	Soil	1.5	22.3	13.7	56	<0.1	27.0	12.8	349	3.18	14.3	0.6	1.5	4.5	19	<0.1	0.5	0.2	70	0.21	0.023
119969	Soil	1.4	31.8	11.8	72	<0.1	29.5	11.3	412	3.05	12.7	0.9	4.1	7.0	22	<0.1	0.9	0.3	55	0.26	0.023
119970	Soil	1.0	9.6	10.0	57	<0.1	12.7	6.5	221	2.04	8.2	0.5	3.6	4.0	17	<0.1	0.4	0.2	44	0.24	0.025
119971	Soil	1.2	13.5	10.0	56	<0.1	20.8	10.3	278	2.53	12.0	0.5	1.4	4.3	19	<0.1	0.5	0.2	50	0.27	0.036
119972	Soil	1.1	12.1	8.4	54	<0.1	15.0	9.9	327	2.19	9.1	0.4	<0.5	4.1	17	<0.1	0.4	0.2	37	0.27	0.030
119973	Soil	0.9	28.4	9.9	53	0.1	22.7	9.1	373	2.35	10.3	1.1	6.0	3.6	46	0.2	0.7	0.2	43	0.74	0.072
119974	Soil	0.9	29.8	10.8	63	0.1	24.3	10.6	383	2.73	10.2	1.1	3.2	4.9	35	<0.1	0.8	0.2	50	0.47	0.068
119975	Soil	1.0	33.5	10.1	61	0.2	26.3	11.3	537	2.56	10.6	0.9	3.5	4.1	45	0.2	0.8	0.2	49	0.67	0.078
119976	Soil	1.0	26.2	9.5	52	0.1	24.9	9.0	369	2.35	9.9	1.3	2.2	3.6	38	0.2	0.6	0.2	47	0.57	0.068
119977	Soil	1.0	30.3	9.9	55	0.1	27.7	10.6	458	2.48	10.4	1.9	4.4	3.8	42	0.2	0.7	0.2	48	0.62	0.066
119978	Soil	1.0	29.5	9.9	57	0.1	25.8	10.0	488	2.45	9.5	1.6	5.0	3.6	46	0.3	0.7	0.2	48	0.71	0.069
119979	Soil	1.1	31.3	9.2	64	0.1	26.4	9.7	426	2.39	10.7	0.9	7.2	4.5	47	0.3	0.7	0.2	48	1.33	0.069
119980	Soil	1.0	33.0	9.7	67	0.1	28.1	10.0	436	2.54	11.0	0.6	3.4	5.2	34	0.4	0.8	0.2	50	0.99	0.070
119981	Soil	1.0	29.4	9.3	55	0.1	23.4	9.0	350	2.33	9.8	0.9	13.8	4.6	35	0.1	0.7	0.2	46	0.58	0.068
124047	Soil	0.9	17.1	9.4	76	<0.1	33.7	15.0	312	3.81	6.5	0.5	18.5	3.2	23	<0.1	0.3	0.3	73	0.22	0.049
124048	Soil	1.0	17.9	8.3	55	<0.1	27.6	11.2	222	2.83	10.2	0.5	0.6	3.8	17	<0.1	0.5	0.1	56	0.22	0.034
124049	Soil	0.7	16.1	10.1	63	<0.1	30.7	15.1	321	3.32	7.0	0.6	4.0	3.3	22	<0.1	0.4	0.3	62	0.40	0.160
124050	Soil	0.9	23.1	7.9	81	<0.1	95.1	19.8	237	3.51	11.5	0.9	<0.5	5.3	21	<0.1	0.3	<0.1	74	0.29	0.080
124051	Soil	0.4	6.8	6.0	61	<0.1	24.7	16.8	281	2.99	1.9	0.7	<0.5	4.9	17	<0.1	0.2	<0.1	72	0.44	0.104
124052	Soil	0.7	10.7	10.2	76	0.2	12.1	7.6	321	3.20	7.0	1.4	1.5	12.4	12	<0.1	0.3	0.1	51	0.14	0.025
124053	Soil	1.1	16.6	19.0	121	<0.1	11.7	9.1	405	4.79	12.8	3.3	<0.5	38.4	9	0.1	1.2	1.2	48	0.15	0.072



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
119959	Soil	14	24	0.50	527	0.042	3	1.18	0.019	0.06	0.3	0.04	3.1	<0.1	<0.05	3	<0.5	<0.2
119960	Soil	17	27	0.56	391	0.050	2	1.38	0.017	0.07	0.2	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
119961	Soil	14	26	0.57	439	0.047	3	1.20	0.016	0.07	0.3	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
119962	Soil	13	23	0.60	438	0.049	2	1.03	0.017	0.08	0.2	0.03	3.1	<0.1	<0.05	3	<0.5	<0.2
119963	Soil	14	26	0.70	483	0.055	2	1.15	0.017	0.09	0.2	0.06	3.6	<0.1	<0.05	3	1.0	<0.2
119964	Soil	20	26	0.30	507	0.036	2	1.43	0.012	0.04	0.2	0.13	4.4	<0.1	0.12	4	1.2	<0.2
119965	Soil	16	25	0.50	496	0.048	2	1.26	0.014	0.05	0.3	0.05	3.5	<0.1	<0.05	4	1.0	<0.2
119966	Soil	19	36	0.59	401	0.050	<1	1.90	0.009	0.09	0.2	0.04	5.9	<0.1	<0.05	5	0.8	<0.2
119967	Soil	21	38	0.51	490	0.056	2	2.39	0.007	0.06	<0.1	0.07	7.2	<0.1	<0.05	6	<0.5	<0.2
119968	Soil	11	34	0.51	351	0.043	1	2.33	0.008	0.05	0.1	<0.01	3.0	0.1	<0.05	6	<0.5	<0.2
119969	Soil	14	37	0.54	304	0.068	3	1.95	0.009	0.09	0.2	0.02	4.9	0.1	<0.05	5	<0.5	<0.2
119970	Soil	10	22	0.41	195	0.046	1	1.36	0.006	0.08	0.2	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
119971	Soil	13	29	0.51	259	0.049	<1	1.74	0.008	0.06	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
119972	Soil	11	23	0.40	183	0.045	1	1.33	0.010	0.07	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
119973	Soil	16	24	0.42	378	0.050	2	1.40	0.014	0.05	0.2	0.03	3.4	<0.1	<0.05	4	0.6	<0.2
119974	Soil	16	28	0.52	343	0.062	1	1.59	0.016	0.07	0.2	0.05	4.1	<0.1	<0.05	5	0.5	<0.2
119975	Soil	17	28	0.50	380	0.056	2	1.50	0.018	0.07	0.2	0.05	3.8	<0.1	<0.05	4	<0.5	<0.2
119976	Soil	15	26	0.49	300	0.052	1	1.44	0.016	0.06	0.2	0.03	3.5	<0.1	<0.05	4	0.8	<0.2
119977	Soil	16	26	0.51	341	0.051	2	1.44	0.016	0.06	0.2	0.04	3.8	<0.1	<0.05	4	0.6	<0.2
119978	Soil	16	27	0.50	346	0.052	2	1.46	0.017	0.07	0.2	0.03	3.8	<0.1	<0.05	4	0.9	<0.2
119979	Soil	16	28	0.57	303	0.066	2	1.28	0.020	0.09	0.2	0.03	3.7	<0.1	<0.05	4	1.0	<0.2
119980	Soil	17	28	0.59	300	0.072	2	1.33	0.022	0.09	0.2	0.02	3.8	<0.1	<0.05	4	0.5	<0.2
119981	Soil	17	27	0.49	292	0.059	1	1.37	0.017	0.07	0.3	0.03	3.7	<0.1	<0.05	4	0.6	<0.2
124047	Soil	7	115	1.32	407	0.207	<1	3.01	0.015	0.62	0.2	<0.01	3.3	0.3	<0.05	8	<0.5	<0.2
124048	Soil	10	61	0.83	265	0.111	1	2.09	0.011	0.10	0.3	0.01	2.8	0.1	<0.05	5	<0.5	<0.2
124049	Soil	8	78	1.12	430	0.136	1	2.57	0.017	0.43	0.6	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
124050	Soil	15	297	2.35	553	0.191	<1	3.11	0.014	0.82	0.1	<0.01	3.5	0.5	<0.05	8	0.9	<0.2
124051	Soil	12	335	2.37	747	0.205	<1	2.81	0.015	0.88	<0.1	<0.01	3.0	0.3	<0.05	7	<0.5	<0.2
124052	Soil	24	30	0.67	200	0.201	<1	1.78	0.008	0.62	0.2	0.02	5.5	0.6	<0.05	8	<0.5	<0.2
124053	Soil	61	24	0.63	168	0.139	<1	2.43	0.006	0.93	0.4	<0.01	10.6	1.1	<0.05	12	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
124054	Soil	0.6	16.0	18.0	106	<0.1	18.4	10.3	496	3.90	7.0	3.8	<0.5	22.4	14	<0.1	0.8	0.6	47	0.24	0.064
124055	Soil	0.5	19.0	21.6	121	<0.1	13.5	14.3	632	4.92	5.0	3.3	<0.5	18.8	15	<0.1	1.0	<0.1	90	0.38	0.133
124056	Soil	1.0	25.3	17.4	127	0.1	21.3	11.3	393	4.02	23.3	2.5	3.7	17.2	14	<0.1	1.4	0.2	67	0.12	0.021
124057	Soil	2.3	36.4	10.4	57	0.1	21.8	8.1	170	3.01	152.0	1.8	5.4	4.4	22	0.3	8.3	0.2	56	0.16	0.027
124058	Soil	1.1	38.1	6.2	66	<0.1	27.1	14.1	392	4.03	81.3	2.2	7.1	5.4	23	0.1	5.3	<0.1	84	0.32	0.028
124059	Soil	1.2	20.1	11.7	62	0.1	24.5	10.9	324	3.07	24.7	1.6	4.1	5.4	17	0.1	1.1	0.2	65	0.16	0.018
124060	Soil	1.8	45.6	8.6	210	0.2	61.2	10.2	164	4.56	43.0	1.2	1.7	3.2	18	0.3	3.8	0.1	79	0.21	0.027
124061	Soil	0.9	32.8	8.0	57	0.1	25.1	11.6	302	2.86	19.7	1.3	5.9	4.7	20	0.1	1.6	0.1	63	0.24	0.024
124062	Soil	0.3	47.6	0.9	48	<0.1	45.3	14.2	137	1.70	3.2	0.1	<0.5	0.4	6	<0.1	0.2	<0.1	40	0.24	0.015
124063	Soil	0.6	38.0	4.7	78	0.1	34.0	9.9	127	2.43	23.9	0.3	0.7	1.2	12	0.2	1.3	<0.1	58	0.26	0.012
124064	Soil	0.7	39.0	5.8	49	0.2	31.5	13.4	195	2.63	15.0	0.7	1.8	2.5	14	<0.1	0.9	<0.1	63	0.26	0.014
124065	Soil	1.7	39.8	9.3	80	0.3	32.6	14.7	264	3.49	40.0	0.9	2.6	4.4	22	0.2	2.0	0.2	77	0.21	0.025
124066	Soil	1.6	40.6	9.9	83	0.3	33.6	11.6	274	3.39	31.9	0.9	3.1	4.4	17	0.1	2.4	0.2	73	0.15	0.024
124067	Soil	1.9	38.6	10.8	76	0.2	25.2	9.7	271	3.02	34.7	2.0	4.0	5.9	19	0.2	2.7	0.2	65	0.14	0.022
124068	Soil	2.5	32.2	13.3	69	0.2	27.2	11.2	219	3.34	45.7	1.4	4.7	5.3	20	0.2	3.3	0.2	70	0.15	0.031
124069	Soil	1.2	24.0	9.7	48	0.1	19.8	9.2	222	2.53	20.9	1.4	2.9	5.9	15	<0.1	1.8	0.1	51	0.12	0.011
124070	Soil	2.5	37.0	10.6	62	0.2	24.3	9.2	227	3.02	51.6	1.9	9.4	6.5	16	<0.1	6.4	0.2	62	0.09	0.021
124071	Soil	1.6	33.4	12.1	55	0.3	20.6	9.0	263	2.97	50.6	2.7	5.7	6.8	17	0.1	2.0	0.3	63	0.12	0.019
124072	Soil	1.3	14.8	9.8	44	0.1	12.4	5.2	186	2.16	15.7	1.2	3.5	7.0	13	<0.1	1.3	0.2	45	0.10	0.024
124073	Soil	2.7	19.8	11.4	38	0.2	13.2	5.1	210	2.73	37.8	1.2	3.6	5.9	16	0.1	3.5	0.3	58	0.08	0.035
124074	Soil	0.5	32.5	21.9	79	<0.1	32.2	15.2	494	3.44	9.9	4.1	1.1	30.6	10	<0.1	0.5	<0.1	36	0.20	0.065
124075	Soil	0.6	21.4	9.2	75	<0.1	16.7	11.2	369	3.26	6.3	2.2	3.1	11.3	21	<0.1	0.9	0.1	57	0.25	0.061
124076	Soil	0.6	24.7	18.9	105	<0.1	33.9	16.1	642	4.45	5.8	4.1	2.0	27.9	10	<0.1	0.5	0.1	47	0.17	0.063
124077	Soil	1.1	16.3	15.6	111	<0.1	12.0	7.6	496	4.26	11.6	7.9	3.1	30.6	16	0.1	1.2	0.4	37	0.30	0.082
124078	Soil	1.7	61.5	20.3	129	0.1	32.8	14.9	242	4.08	85.5	1.3	2.7	5.6	14	0.2	1.3	0.1	89	0.16	0.023
124079	Soil	0.6	18.1	3.2	44	<0.1	18.7	13.4	252	2.77	5.7	0.4	1.3	1.8	9	<0.1	0.3	<0.1	68	0.25	0.031
124080	Soil	0.8	33.4	4.5	56	<0.1	23.0	14.9	241	2.99	3.6	1.3	4.5	6.2	17	<0.1	0.3	<0.1	67	0.30	0.048
124081	Soil	0.6	26.7	8.9	63	<0.1	20.1	10.0	300	3.16	5.8	1.5	2.2	11.8	19	<0.1	0.6	0.1	61	0.20	0.013
124082	Soil	1.2	24.2	13.0	68	0.1	20.3	8.0	250	2.80	19.2	1.5	7.5	6.2	26	0.1	2.8	0.2	54	0.24	0.056
124083	Soil	1.2	18.2	11.4	56	0.1	16.5	6.9	214	2.54	18.1	1.1	4.2	5.1	22	0.2	3.1	0.2	53	0.19	0.031



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
124054	Soil	81	34	0.91	238	0.182	<1	2.28	0.008	1.02	0.4	<0.01	7.4	1.1	<0.05	10	0.6	<0.2
124055	Soil	68	38	1.44	435	0.238	<1	3.22	0.008	1.72	0.5	0.01	8.4	1.0	<0.05	12	<0.5	<0.2
124056	Soil	29	52	0.81	203	0.132	1	3.00	0.006	0.58	0.2	0.38	6.1	0.6	<0.05	9	0.6	<0.2
124057	Soil	14	42	0.28	378	0.034	<1	1.55	0.006	0.06	0.1	0.08	5.9	0.3	<0.05	5	1.2	<0.2
124058	Soil	17	58	0.52	371	0.040	1	1.71	0.009	0.06	<0.1	0.38	15.7	0.3	<0.05	5	0.6	<0.2
124059	Soil	14	40	0.52	310	0.061	<1	2.10	0.008	0.07	0.1	0.04	4.0	0.1	<0.05	5	<0.5	<0.2
124060	Soil	9	73	0.33	295	0.025	<1	2.11	0.006	0.05	<0.1	0.08	9.5	0.2	<0.05	5	0.8	<0.2
124061	Soil	15	37	0.49	761	0.052	<1	1.71	0.010	0.05	<0.1	0.11	6.2	0.1	<0.05	5	0.7	<0.2
124062	Soil	<1	45	0.38	91	0.083	<1	1.00	0.010	0.04	<0.1	<0.01	2.9	<0.1	<0.05	2	<0.5	<0.2
124063	Soil	3	37	0.33	210	0.057	<1	1.31	0.010	0.03	<0.1	0.02	5.5	0.1	<0.05	4	0.5	<0.2
124064	Soil	10	42	0.43	368	0.060	<1	1.55	0.011	0.04	<0.1	0.03	7.3	0.1	<0.05	4	<0.5	<0.2
124065	Soil	12	47	0.55	504	0.062	<1	2.21	0.009	0.07	<0.1	0.07	5.4	0.2	<0.05	6	<0.5	<0.2
124066	Soil	11	47	0.53	588	0.070	1	1.96	0.009	0.07	0.1	0.08	4.8	0.2	<0.05	6	0.5	<0.2
124067	Soil	17	34	0.41	450	0.058	<1	1.72	0.008	0.07	0.1	0.17	5.6	0.1	<0.05	5	0.8	<0.2
124068	Soil	13	34	0.39	380	0.075	<1	2.31	0.008	0.07	0.1	0.07	4.4	0.2	<0.05	6	0.7	<0.2
124069	Soil	20	30	0.43	264	0.067	<1	1.63	0.009	0.05	0.1	0.12	3.9	0.1	<0.05	4	0.8	<0.2
124070	Soil	11	32	0.35	228	0.048	<1	1.44	0.005	0.05	0.1	0.15	4.4	0.1	<0.05	4	1.3	<0.2
124071	Soil	17	35	0.47	324	0.054	1	1.82	0.008	0.06	0.1	0.05	4.5	0.1	<0.05	5	<0.5	<0.2
124072	Soil	16	28	0.44	122	0.083	<1	1.22	0.007	0.11	0.1	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
124073	Soil	11	25	0.29	165	0.037	<1	1.44	0.005	0.04	0.2	0.03	2.6	0.1	<0.05	4	0.6	<0.2
124074	Soil	61	40	0.83	287	0.228	<1	1.89	0.006	0.89	0.4	0.03	4.4	0.5	<0.05	6	<0.5	<0.2
124075	Soil	40	34	0.95	262	0.130	1	2.01	0.008	0.60	0.1	0.03	3.1	0.3	<0.05	6	<0.5	<0.2
124076	Soil	95	63	1.11	256	0.327	<1	2.54	0.007	1.44	0.4	0.01	5.3	0.8	<0.05	8	0.6	<0.2
124077	Soil	104	20	0.59	292	0.135	<1	2.20	0.007	0.89	0.2	0.04	9.6	0.8	<0.05	11	0.7	<0.2
124078	Soil	13	51	0.72	455	0.135	<1	2.14	0.013	0.16	0.1	<0.01	4.6	0.2	<0.05	5	0.7	<0.2
124079	Soil	4	39	0.84	304	0.137	<1	1.89	0.022	0.21	<0.1	<0.01	3.2	0.1	<0.05	5	<0.5	<0.2
124080	Soil	22	41	0.85	329	0.126	<1	1.62	0.016	0.27	0.1	<0.01	4.1	0.2	<0.05	4	0.6	<0.2
124081	Soil	37	43	0.77	258	0.137	1	2.06	0.011	0.19	0.1	0.01	3.8	0.2	<0.05	6	<0.5	<0.2
124082	Soil	20	29	0.45	349	0.061	2	1.72	0.010	0.05	0.2	0.10	4.0	0.1	<0.05	5	<0.5	<0.2
124083	Soil	17	27	0.42	276	0.057	<1	1.49	0.008	0.04	0.2	0.06	3.1	0.1	<0.05	4	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
124084	Soil	1.3	26.9	10.6	60	0.1	20.2	7.8	247	2.34	14.8	1.4	3.7	5.1	26	<0.1	2.4	0.2	46	0.26
124085	Soil	1.2	28.6	10.6	63	0.1	19.6	7.2	259	2.38	17.3	1.7	3.6	6.1	27	0.2	3.1	0.2	48	0.25
124086	Soil	1.1	22.9	11.5	57	<0.1	17.4	8.5	258	2.47	21.0	1.4	2.4	6.2	24	0.1	2.9	0.2	47	0.20
124087	Soil	1.0	21.3	14.1	58	0.1	17.9	8.0	418	2.37	16.1	1.4	33.8	5.8	20	0.1	2.7	0.2	44	0.15
124088	Soil	0.5	59.6	17.0	155	0.1	40.8	14.1	636	4.07	17.3	1.1	2.1	11.2	18	0.2	1.4	0.2	63	0.42
124089	Soil	0.8	42.2	13.8	80	<0.1	27.0	9.6	435	3.44	10.0	1.7	10.0	10.1	22	<0.1	0.9	0.2	60	0.24
124090	Soil	0.2	51.4	6.1	87	<0.1	21.1	12.8	704	3.70	1.2	0.7	4.1	6.5	25	<0.1	0.2	<0.1	69	0.31
124091	Soil	0.7	48.6	10.8	91	0.1	42.2	9.0	1682	2.56	14.4	1.1	6.6	6.8	15	0.2	1.2	0.2	46	0.26
124092	Soil	1.6	47.3	14.0	150	0.2	61.0	11.1	1729	2.76	27.8	2.3	10.6	12.0	16	0.4	2.4	0.2	40	0.11
124093	Soil	1.2	46.4	13.3	101	0.1	44.1	9.9	943	3.13	69.7	1.9	16.0	9.4	30	0.2	12.9	0.2	45	0.11
124094	Soil	1.1	44.5	24.6	119	0.2	43.3	10.7	672	3.45	70.3	2.5	23.0	15.3	28	0.2	17.5	0.3	40	0.11
124095	Soil	1.2	36.6	15.1	86	0.1	31.2	17.5	576	2.69	27.5	3.5	17.3	15.7	15	0.2	4.3	0.3	33	0.06
124096	Soil	0.9	35.6	11.9	110	0.1	32.9	8.6	700	2.75	27.3	1.6	10.7	6.2	15	0.3	5.0	0.2	42	0.07
124097	Soil	0.6	30.7	16.8	85	<0.1	29.2	9.0	370	2.67	22.3	1.9	4.2	8.0	20	<0.1	2.7	0.2	45	0.12
124098	Soil	0.7	29.1	14.9	117	<0.1	29.1	7.5	334	2.70	14.8	1.7	5.1	9.7	23	0.1	2.0	0.3	43	0.16
124099	Soil	0.8	31.5	14.1	78	<0.1	25.4	7.6	315	2.59	16.5	1.8	3.4	7.2	25	0.2	2.2	0.2	49	0.22
124100	Soil	1.2	33.3	12.6	73	0.1	24.5	9.3	405	2.79	19.8	2.2	3.9	6.6	27	0.1	1.9	0.2	54	0.24
124101	Soil	0.9	39.8	13.6	80	<0.1	24.2	7.7	427	2.32	19.5	2.0	4.3	7.5	18	0.1	2.2	0.2	46	0.13
124102	Soil	1.0	38.7	13.9	70	<0.1	24.8	8.4	336	2.73	16.1	2.5	5.2	10.2	26	0.1	1.5	0.2	49	0.19
124103	Soil	1.1	43.0	13.1	83	0.1	28.8	9.0	443	2.95	16.0	2.9	5.5	7.9	29	<0.1	1.2	0.3	58	0.27
124104	Soil	0.9	37.2	11.5	73	<0.1	24.5	7.9	355	2.79	13.2	1.8	2.6	6.4	30	<0.1	1.0	0.2	56	0.24
124105	Soil	1.0	38.7	11.7	62	0.2	29.7	9.4	328	2.68	17.6	2.1	7.4	7.2	32	<0.1	1.2	0.2	51	0.27
124106	Soil	1.0	27.0	11.7	61	0.1	18.7	5.1	228	1.93	30.3	1.6	3.6	6.9	18	0.2	1.3	0.3	30	0.10
124107	Soil	1.6	43.3	19.0	124	<0.1	39.3	9.4	838	2.85	48.7	2.3	4.6	11.5	7	0.3	3.2	0.3	28	0.03
124108	Soil	0.8	37.6	11.3	62	0.2	28.8	9.2	362	2.66	20.5	2.7	3.3	5.2	27	<0.1	1.1	0.2	45	0.31
124109	Soil	0.8	25.4	9.1	48	<0.1	17.6	7.4	191	2.27	18.2	1.5	3.6	4.6	16	<0.1	1.3	0.2	40	0.14
124110	Soil	1.2	26.9	15.1	23	0.3	7.2	3.3	79	1.17	32.0	1.7	1.1	5.1	13	<0.1	4.9	0.1	24	0.04
124111	Soil	1.1	30.8	11.6	60	0.3	20.2	8.6	241	2.60	33.1	2.2	3.2	6.5	13	<0.1	1.8	0.2	42	0.10
124112	Soil	1.3	35.8	15.9	99	0.1	25.3	11.8	412	2.10	43.5	2.5	1.9	6.1	13	0.2	1.3	0.1	36	0.09
124113	Soil	2.1	81.9	12.6	181	0.2	100.3	13.8	1049	2.94	30.0	2.3	2.8	8.5	17	0.2	1.3	0.2	65	0.26



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
124084	Soil	18	27	0.43	343	0.052	<1	1.32	0.010	0.04	0.2	0.07	3.7	<0.1	<0.05	4	0.7	<0.2
124085	Soil	20	26	0.41	327	0.060	1	1.28	0.010	0.04	0.2	0.08	4.1	<0.1	<0.05	4	0.7	<0.2
124086	Soil	18	26	0.39	283	0.056	<1	1.29	0.009	0.04	0.1	0.05	3.6	<0.1	<0.05	4	0.8	<0.2
124087	Soil	17	24	0.33	293	0.054	<1	1.22	0.008	0.05	0.1	0.05	3.2	0.1	<0.05	3	<0.5	<0.2
124088	Soil	36	43	1.47	772	0.149	1	2.59	0.011	0.98	<0.1	0.02	7.9	0.6	<0.05	8	<0.5	<0.2
124089	Soil	31	30	0.91	470	0.138	1	2.33	0.012	0.35	0.1	0.03	5.9	0.2	<0.05	7	<0.5	<0.2
124090	Soil	19	10	2.09	1433	0.271	<1	3.03	0.015	1.18	<0.1	<0.01	8.8	0.2	<0.05	9	0.6	<0.2
124091	Soil	28	21	0.93	511	0.068	<1	1.71	0.005	0.10	<0.1	0.03	6.0	0.3	<0.05	5	0.6	<0.2
124092	Soil	46	15	0.66	510	0.056	<1	1.35	0.004	0.10	<0.1	0.05	5.5	0.6	<0.05	4	0.5	<0.2
124093	Soil	21	23	0.32	375	0.054	<1	1.31	0.007	0.06	0.1	0.17	5.7	0.3	<0.05	4	0.5	<0.2
124094	Soil	34	21	0.31	330	0.051	1	1.15	0.015	0.15	0.2	0.08	5.6	0.3	<0.05	4	0.8	<0.2
124095	Soil	40	19	0.31	191	0.041	1	1.12	0.005	0.07	0.1	0.05	4.4	0.3	<0.05	3	0.8	<0.2
124096	Soil	15	17	0.22	280	0.024	<1	0.95	0.004	0.05	0.1	0.04	4.3	0.2	<0.05	3	<0.5	<0.2
124097	Soil	22	26	0.34	267	0.057	1	1.08	0.006	0.07	0.1	0.08	5.4	0.2	<0.05	3	0.5	<0.2
124098	Soil	24	25	0.41	308	0.066	2	1.33	0.007	0.14	0.1	0.06	5.2	0.2	<0.05	4	<0.5	<0.2
124099	Soil	22	27	0.44	352	0.079	2	1.38	0.009	0.08	0.1	0.05	4.9	0.1	<0.05	4	<0.5	<0.2
124100	Soil	20	29	0.45	385	0.073	<1	1.57	0.010	0.05	0.2	0.06	5.5	0.1	<0.05	4	0.6	<0.2
124101	Soil	18	20	0.37	315	0.075	<1	1.09	0.007	0.14	0.1	0.04	4.8	0.1	<0.05	4	0.6	<0.2
124102	Soil	28	26	0.43	402	0.072	1	1.58	0.009	0.06	0.1	0.05	5.8	0.1	<0.05	4	0.7	<0.2
124103	Soil	22	30	0.47	481	0.086	1	1.74	0.011	0.07	0.1	0.06	5.9	0.2	<0.05	5	0.7	<0.2
124104	Soil	17	26	0.45	452	0.084	<1	1.73	0.010	0.06	0.2	0.05	5.2	0.1	<0.05	5	<0.5	<0.2
124105	Soil	20	28	0.45	455	0.067	1	1.50	0.012	0.06	0.1	0.07	5.3	0.1	<0.05	4	<0.5	<0.2
124106	Soil	13	15	0.16	209	0.021	2	0.61	0.005	0.05	<0.1	0.05	2.8	0.1	<0.05	2	0.6	<0.2
124107	Soil	25	12	0.04	180	0.004	1	0.32	0.002	0.06	<0.1	0.03	3.4	0.2	<0.05	1	0.7	<0.2
124108	Soil	16	27	0.43	413	0.045	<1	1.33	0.013	0.05	0.2	0.06	4.3	<0.1	<0.05	4	0.5	<0.2
124109	Soil	13	22	0.34	263	0.033	1	1.15	0.006	0.04	0.1	0.03	4.1	<0.1	<0.05	3	0.7	<0.2
124110	Soil	23	9	0.04	173	0.005	<1	0.34	0.002	0.05	<0.1	0.01	1.8	0.5	<0.05	1	0.8	<0.2
124111	Soil	16	25	0.29	236	0.021	1	1.28	0.005	0.05	<0.1	0.05	3.7	0.1	<0.05	4	<0.5	<0.2
124112	Soil	25	15	0.12	228	0.007	<1	0.69	0.003	0.04	<0.1	0.01	2.4	0.1	<0.05	2	0.8	<0.2
124113	Soil	29	63	1.05	965	0.083	1	1.73	0.006	0.34	<0.1	0.04	5.2	0.5	<0.05	6	1.0	0.3



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
124114	Soil	1.8	63.6	15.8	97	1.0	61.5	9.6	348	3.08	32.1	4.1	5.8	7.3	36	0.4	1.9	0.3	59	0.47	0.086
124115	Soil	1.1	48.5	13.4	71	0.6	52.7	10.6	379	3.17	20.7	4.5	2.8	4.4	42	0.4	1.4	0.2	46	0.56	0.086
124116	Soil	0.9	37.9	11.6	75	0.2	32.5	9.6	377	2.55	13.8	4.4	2.3	4.1	34	0.2	1.1	0.2	44	0.48	0.067
124117	Soil	1.2	33.6	12.6	82	0.2	28.3	11.0	632	2.68	15.6	0.8	2.6	6.2	31	0.3	0.9	0.2	43	0.37	0.075
129047	Soil	1.3	35.3	13.0	70	<0.1	23.7	9.2	348	2.85	14.7	2.3	2.0	10.1	19	<0.1	1.2	0.2	51	0.17	0.021
129048	Soil	1.9	49.6	12.5	73	<0.1	32.8	18.3	400	3.66	14.2	1.8	2.5	9.7	10	0.1	1.3	0.3	56	0.05	0.022
129049	Soil	1.6	60.2	13.4	94	<0.1	38.9	14.6	677	3.82	8.6	3.2	7.4	7.9	11	0.1	0.7	0.3	55	0.09	0.029
129050	Soil	1.5	31.5	13.2	53	0.1	22.1	11.1	465	3.35	27.4	1.2	27.2	8.0	10	<0.1	1.7	0.2	58	0.06	0.047
129051	Soil	1.0	26.6	13.2	48	<0.1	17.0	8.6	226	2.60	31.3	1.4	5.5	6.0	14	<0.1	2.0	0.2	52	0.10	0.020
129052	Soil	1.9	30.2	15.3	59	0.1	22.8	9.7	338	3.07	35.4	1.1	2.8	4.7	14	0.2	5.9	0.3	64	0.09	0.065
129053	Soil	1.1	35.7	11.1	49	0.2	16.7	6.5	123	2.62	37.8	3.5	4.3	9.1	9	<0.1	2.9	0.2	51	0.04	0.020
129054	Soil	1.2	29.9	12.9	58	<0.1	22.9	9.5	299	3.03	20.9	1.3	14.2	5.8	18	<0.1	1.2	0.2	57	0.15	0.017
129055	Soil	2.6	49.6	14.1	64	<0.1	19.0	10.5	236	3.18	56.7	1.9	6.5	7.8	16	<0.1	5.2	0.2	48	0.05	0.027
129056	Soil	1.5	34.1	14.7	57	0.3	22.5	10.0	265	2.82	20.3	1.4	11.1	6.4	17	<0.1	1.2	0.2	55	0.10	0.014
129057	Soil	1.0	24.8	12.8	53	<0.1	24.8	10.3	279	2.63	16.5	1.8	7.6	6.0	14	<0.1	0.9	0.2	50	0.12	0.017
129058	Soil	0.8	24.3	16.7	59	<0.1	20.6	11.3	263	2.54	22.2	1.6	5.7	6.5	14	<0.1	1.1	0.3	39	0.04	0.017
129059	Soil	0.6	18.2	12.2	69	<0.1	12.2	5.3	254	1.87	26.2	1.5	1.5	6.7	29	<0.1	1.3	0.1	28	0.02	0.013
129060	Soil	0.5	26.4	18.0	105	<0.1	23.0	6.7	299	2.84	17.6	2.1	4.7	7.5	15	<0.1	2.5	0.3	35	0.05	0.029
129061	Soil	0.5	41.0	7.5	90	0.1	27.4	10.7	608	3.03	5.7	0.8	3.5	5.5	15	<0.1	0.4	0.1	51	0.39	0.073
129062	Soil	0.3	66.7	7.4	284	0.1	60.8	29.1	1421	2.80	11.9	1.2	6.0	4.6	12	0.4	0.7	<0.1	82	0.36	0.027
129063	Soil	1.0	26.3	11.0	98	0.1	19.5	12.0	304	3.13	24.6	2.0	30.9	13.9	12	<0.1	0.8	0.3	20	0.23	0.027
129064	Soil	0.5	147.1	17.0	175	0.1	62.5	13.0	1863	4.85	10.5	1.7	7.6	10.3	15	0.2	2.2	0.3	54	0.26	0.069
129065	Soil	0.9	35.3	11.8	67	0.2	29.6	9.7	256	2.98	19.0	1.0	4.1	6.4	14	<0.1	1.3	0.2	56	0.15	0.022
129066	Soil	0.9	27.7	13.2	78	0.1	23.4	9.8	301	3.14	23.6	1.9	2.4	8.1	13	<0.1	1.3	0.2	56	0.12	0.019
129067	Soil	0.4	95.4	12.9	276	<0.1	72.9	13.7	1096	3.25	14.0	2.4	4.3	5.8	15	0.3	2.6	0.1	57	0.22	0.031
129068	Soil	0.2	36.7	6.2	103	<0.1	16.7	11.9	521	2.27	2.8	0.8	2.3	4.6	19	0.1	0.2	0.1	40	0.37	0.052
129069	Soil	0.5	83.4	9.9	112	<0.1	38.1	13.8	762	2.62	6.5	1.1	4.3	4.6	19	<0.1	1.1	0.1	51	0.28	0.035
129070	Soil	0.7	33.2	11.8	102	0.1	47.7	10.4	185	3.46	8.5	2.4	1.8	11.6	13	<0.1	0.5	0.2	49	0.39	0.040
129071	Soil	1.0	34.6	13.3	84	0.1	42.4	9.7	315	2.80	19.1	3.2	3.2	6.7	18	0.1	1.2	0.2	45	0.23	0.037
129072	Soil	0.8	33.7	11.7	66	0.1	37.8	8.4	301	2.56	21.7	1.9	3.1	6.3	20	0.1	1.4	0.2	46	0.20	0.035



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
124114	Soil	37	42	0.60	880	0.036	1	1.85	0.008	0.14	0.1	0.13	5.2	0.2	0.06	5	0.9	<0.2
124115	Soil	28	30	0.43	763	0.037	1	1.49	0.009	0.10	0.1	0.11	4.4	0.1	0.10	4	0.6	<0.2
124116	Soil	19	28	0.43	465	0.043	<1	1.47	0.009	0.07	0.1	0.04	3.9	0.1	<0.05	4	<0.5	<0.2
124117	Soil	18	26	0.39	517	0.049	1	1.38	0.010	0.07	0.2	0.05	4.0	<0.1	<0.05	4	<0.5	<0.2
129047	Soil	25	28	0.41	326	0.077	<1	1.68	0.009	0.09	0.1	0.07	5.6	0.1	<0.05	5	<0.5	<0.2
129048	Soil	19	32	0.54	174	0.095	1	2.15	0.006	0.21	<0.1	0.03	5.0	0.3	<0.05	6	<0.5	<0.2
129049	Soil	24	35	0.89	224	0.134	<1	2.17	0.008	0.60	0.1	0.04	7.6	0.4	<0.05	6	<0.5	<0.2
129050	Soil	18	33	0.63	160	0.089	1	1.97	0.004	0.27	0.1	<0.01	3.2	0.4	<0.05	6	<0.5	<0.2
129051	Soil	16	27	0.34	264	0.063	<1	1.57	0.007	0.04	0.1	0.08	4.3	<0.1	<0.05	5	<0.5	<0.2
129052	Soil	13	30	0.31	229	0.050	<1	2.00	0.007	0.06	0.2	0.06	3.3	0.2	<0.05	5	<0.5	<0.2
129053	Soil	21	24	0.22	147	0.031	<1	1.29	0.004	0.04	0.1	0.15	5.8	0.2	<0.05	4	0.7	<0.2
129054	Soil	18	32	0.48	443	0.052	1	1.65	0.012	0.05	0.1	0.08	5.6	<0.1	<0.05	5	<0.5	<0.2
129055	Soil	16	25	0.26	218	0.037	<1	1.23	0.006	0.04	0.1	0.16	6.0	0.1	<0.05	4	0.8	<0.2
129056	Soil	19	31	0.40	292	0.050	<1	1.63	0.008	0.04	<0.1	0.07	5.6	0.1	<0.05	5	<0.5	<0.2
129057	Soil	16	31	0.42	292	0.049	<1	1.58	0.007	0.05	0.1	0.04	5.1	0.1	<0.05	4	<0.5	<0.2
129058	Soil	11	21	0.19	175	0.015	<1	1.10	0.004	0.05	0.1	0.07	4.0	0.2	<0.05	3	<0.5	<0.2
129059	Soil	16	16	0.11	136	0.012	<1	0.61	0.003	0.05	<0.1	0.05	4.7	0.2	<0.05	2	<0.5	<0.2
129060	Soil	16	22	0.18	400	0.015	1	0.87	0.003	0.07	<0.1	0.05	6.6	0.2	<0.05	3	<0.5	<0.2
129061	Soil	23	13	1.72	591	0.136	1	2.71	0.006	0.38	<0.1	0.01	5.6	0.2	<0.05	7	<0.5	<0.2
129062	Soil	23	12	2.45	1567	0.062	<1	3.35	0.010	0.41	<0.1	0.01	8.8	0.3	<0.05	11	<0.5	<0.2
129063	Soil	29	22	0.57	374	0.019	<1	1.27	0.002	0.05	<0.1	<0.01	2.2	0.1	<0.05	3	1.0	<0.2
129064	Soil	50	21	1.18	1690	0.076	1	2.15	0.006	0.71	0.2	0.08	9.7	0.5	<0.05	8	0.5	<0.2
129065	Soil	16	38	0.52	368	0.040	<1	1.97	0.006	0.06	0.2	0.05	3.4	0.1	<0.05	5	0.7	<0.2
129066	Soil	23	34	0.44	364	0.039	<1	1.68	0.007	0.06	0.1	0.08	5.6	0.2	<0.05	5	<0.5	<0.2
129067	Soil	26	23	1.42	1203	0.117	<1	2.16	0.011	0.61	0.1	0.05	8.1	1.1	<0.05	7	<0.5	<0.2
129068	Soil	25	15	2.09	859	0.099	<1	2.46	0.013	0.42	<0.1	<0.01	6.3	0.1	<0.05	8	<0.5	<0.2
129069	Soil	23	30	1.15	1148	0.074	2	2.04	0.007	0.27	<0.1	0.01	6.0	0.2	<0.05	7	<0.5	<0.2
129070	Soil	32	39	0.76	371	0.063	<1	2.12	0.006	0.29	<0.1	<0.01	5.1	0.3	<0.05	6	1.0	<0.2
129071	Soil	28	39	0.55	390	0.047	<1	1.40	0.007	0.08	<0.1	0.03	4.4	0.1	<0.05	4	<0.5	<0.2
129072	Soil	18	34	0.43	381	0.044	<1	1.33	0.007	0.07	<0.1	0.05	4.4	0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
129073	Soil	1.2	37.6	13.4	90	0.2	31.6	8.1	264	2.60	40.0	1.9	4.7	7.8	14	0.2	2.5	0.2	43	0.08	0.037
129074	Soil	1.1	40.0	14.8	74	0.3	26.8	7.6	248	2.71	30.3	2.1	2.9	2.0	22	0.1	1.9	0.2	46	0.21	0.057
129075	Soil	1.1	45.6	15.0	70	0.2	28.8	8.8	324	2.69	23.4	2.0	3.7	6.1	22	0.1	1.5	0.2	49	0.26	0.035
129076	Soil	0.9	34.6	12.3	60	0.2	22.9	7.8	335	2.04	17.3	1.9	1.8	4.3	27	0.2	1.1	0.2	40	0.31	0.041
129077	Soil	0.9	42.6	14.4	76	0.2	26.8	9.7	369	2.74	24.5	2.3	6.4	5.9	28	0.3	1.6	0.2	49	0.37	0.049
129078	Soil	0.7	35.1	12.6	71	0.2	23.2	8.7	288	2.64	18.2	2.7	6.6	4.6	35	0.2	1.1	0.2	49	0.46	0.071
129079	Soil	0.7	34.9	11.4	74	0.2	26.3	10.3	454	2.73	16.6	2.4	2.2	5.1	34	0.2	1.0	0.2	49	0.45	0.059
129080	Soil	0.8	31.4	10.5	69	0.2	20.5	6.9	215	2.39	13.8	1.8	2.7	3.4	30	0.2	0.9	0.2	43	0.38	0.058
129081	Soil	0.9	33.0	12.0	68	0.2	24.2	10.1	389	2.79	15.6	2.2	1.5	4.4	33	0.2	1.0	0.2	48	0.46	0.058
129082	Soil	1.5	30.1	10.7	67	0.1	29.4	8.6	301	2.64	13.9	1.3	3.1	4.6	31	0.1	0.9	0.2	49	0.43	0.061
129083	Soil	1.0	20.0	9.1	67	<0.1	16.3	7.1	311	2.10	18.5	1.2	2.2	7.8	19	0.2	1.4	0.1	34	0.26	0.062
129084	Soil	0.8	30.2	9.5	79	0.1	22.2	9.9	276	2.59	16.8	1.8	3.2	7.9	25	0.2	1.2	0.2	41	0.37	0.060
129085	Soil	1.3	15.2	9.9	46	<0.1	12.4	6.0	207	2.16	16.4	1.0	0.7	5.1	17	0.1	1.0	0.2	44	0.16	0.018
129086	Soil	0.9	42.8	11.4	56	<0.1	24.5	9.1	222	3.09	13.8	1.0	8.4	5.9	27	<0.1	0.9	0.2	58	0.28	0.028
129087	Soil	0.3	24.2	6.4	31	<0.1	13.8	5.6	166	1.88	7.3	0.8	2.0	5.1	16	<0.1	0.5	<0.1	36	0.16	0.015
129088	Soil	1.2	35.6	12.3	64	<0.1	24.6	13.7	669	2.95	12.3	1.3	2.5	5.5	29	0.2	0.9	0.2	64	0.33	0.040
129089	Soil	0.8	16.4	7.6	43	<0.1	14.8	9.9	388	1.46	4.7	1.2	1.0	4.1	26	0.2	0.5	0.1	32	0.34	0.057
129090	Soil	1.2	26.7	10.3	48	0.1	22.4	17.9	938	2.23	7.5	1.8	308.0	4.2	35	0.2	0.7	0.2	47	0.39	0.063
129091	Soil	0.9	40.6	11.1	69	0.2	28.6	10.8	368	2.76	10.9	1.7	1.9	5.3	36	0.3	0.9	0.2	54	0.48	0.065
129092	Soil	1.2	40.9	12.8	66	0.2	33.1	12.6	617	3.00	12.6	2.6	2.5	4.8	43	0.3	1.1	0.2	59	0.64	0.056
129093	Soil	0.8	35.0	11.4	61	0.1	27.2	11.5	579	2.77	12.2	2.3	2.3	4.6	40	0.2	0.9	0.2	53	0.61	0.054
129094	Soil	0.7	26.0	9.5	53	0.1	19.7	9.2	338	2.48	10.4	1.2	1.1	4.8	25	<0.1	0.6	0.1	52	0.35	0.032
129095	Soil	0.7	19.3	10.6	56	<0.1	18.5	9.2	350	2.65	11.1	1.2	1.1	4.2	31	<0.1	0.6	0.1	55	0.43	0.042
129096	Soil	0.8	20.8	8.6	56	<0.1	16.9	7.9	288	2.05	12.4	1.2	1.2	6.8	23	0.1	1.0	0.1	40	0.29	0.048
129097	Soil	0.8	14.6	8.4	42	<0.1	13.8	6.4	194	1.94	8.4	1.2	3.7	4.4	23	<0.1	0.6	0.1	42	0.29	0.040
129098	Soil	0.6	19.1	7.9	34	<0.1	14.1	6.1	235	1.76	12.0	1.2	0.8	6.5	17	0.1	1.2	<0.1	35	0.19	0.020
129099	Soil	0.6	32.1	9.3	46	<0.1	23.5	7.9	275	2.30	11.2	1.4	3.1	4.4	25	<0.1	0.7	0.2	47	0.32	0.039
129100	Soil	0.8	30.8	9.7	52	<0.1	24.5	8.7	265	2.56	12.4	0.8	9.4	5.3	21	<0.1	0.7	0.2	52	0.25	0.018
129101	Soil	0.7	25.6	8.7	49	<0.1	19.0	7.3	217	2.14	11.7	1.3	1.9	5.2	20	<0.1	0.8	0.1	44	0.28	0.032
129102	Soil	0.9	32.4	9.9	55	0.2	26.8	9.5	351	2.61	14.2	1.1	4.6	5.6	24	<0.1	0.7	0.2	53	0.30	0.044



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
129073	Soil	18	26	0.21	239	0.022	<1	0.78	0.004	0.06	<0.1	0.05	3.4	0.2	<0.05	3	0.6	<0.2
129074	Soil	19	20	0.28	446	0.020	<1	1.35	0.006	0.07	<0.1	0.09	3.3	0.2	<0.05	4	0.7	<0.2
129075	Soil	20	27	0.32	488	0.040	<1	1.46	0.007	0.07	0.1	0.06	4.7	0.1	<0.05	5	0.7	<0.2
129076	Soil	17	23	0.28	380	0.035	<1	1.13	0.008	0.05	0.1	0.04	3.1	<0.1	<0.05	3	<0.5	<0.2
129077	Soil	19	24	0.33	499	0.046	<1	1.46	0.009	0.07	0.1	0.06	4.5	0.1	<0.05	4	0.7	<0.2
129078	Soil	19	26	0.43	480	0.044	<1	1.54	0.011	0.06	0.1	0.04	4.1	0.1	<0.05	5	0.5	<0.2
129079	Soil	18	28	0.42	412	0.054	<1	1.57	0.013	0.07	0.1	0.05	4.4	<0.1	<0.05	4	0.9	<0.2
129080	Soil	18	26	0.34	330	0.047	<1	1.47	0.011	0.06	0.1	0.04	3.5	<0.1	<0.05	5	<0.5	<0.2
129081	Soil	19	28	0.41	398	0.049	<1	1.57	0.011	0.06	0.1	0.06	4.2	<0.1	<0.05	5	<0.5	<0.2
129082	Soil	18	49	0.42	374	0.059	<1	1.49	0.014	0.06	0.2	0.05	4.0	<0.1	<0.05	4	<0.5	<0.2
129083	Soil	16	23	0.37	210	0.060	<1	0.90	0.008	0.12	0.1	0.03	2.7	0.2	<0.05	3	<0.5	<0.2
129084	Soil	22	27	0.40	307	0.062	<1	1.47	0.009	0.09	0.1	0.05	4.0	0.2	<0.05	4	<0.5	<0.2
129085	Soil	12	19	0.26	211	0.063	<1	1.33	0.007	0.08	0.1	0.01	2.6	0.2	<0.05	5	<0.5	<0.2
129086	Soil	19	34	0.48	432	0.066	<1	2.23	0.011	0.07	<0.1	0.04	5.5	0.1	<0.05	6	<0.5	<0.2
129087	Soil	14	19	0.29	232	0.051	<1	1.24	0.007	0.05	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
129088	Soil	18	31	0.47	512	0.074	<1	2.11	0.011	0.06	0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
129089	Soil	15	20	0.35	363	0.049	<1	1.28	0.008	0.06	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
129090	Soil	19	27	0.43	590	0.053	<1	1.88	0.012	0.07	0.1	0.05	4.1	<0.1	<0.05	5	<0.5	<0.2
129091	Soil	19	29	0.50	478	0.075	<1	1.69	0.020	0.08	0.2	0.06	4.3	<0.1	<0.05	5	0.8	<0.2
129092	Soil	18	30	0.56	550	0.072	2	1.87	0.022	0.08	0.2	0.05	4.6	<0.1	<0.05	5	<0.5	<0.2
129093	Soil	17	28	0.49	473	0.066	<1	1.64	0.018	0.07	0.1	0.05	4.2	<0.1	<0.05	5	<0.5	<0.2
129094	Soil	17	27	0.46	344	0.067	<1	1.69	0.012	0.06	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
129095	Soil	17	28	0.46	365	0.070	<1	1.76	0.012	0.07	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
129096	Soil	17	21	0.37	266	0.073	<1	1.17	0.010	0.09	<0.1	0.02	3.1	0.1	<0.05	4	<0.5	<0.2
129097	Soil	14	22	0.41	218	0.072	<1	1.45	0.011	0.05	0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
129098	Soil	15	17	0.21	182	0.067	<1	1.32	0.009	0.08	<0.1	0.02	3.8	0.1	<0.05	4	<0.5	<0.2
129099	Soil	14	26	0.43	376	0.059	<1	1.55	0.011	0.04	0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
129100	Soil	14	31	0.46	318	0.057	<1	1.65	0.010	0.05	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
129101	Soil	14	26	0.40	288	0.054	1	1.48	0.008	0.05	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
129102	Soil	17	32	0.48	351	0.064	<1	1.52	0.011	0.05	0.1	0.05	4.8	<0.1	<0.05	5	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
129103	Soil	0.7	35.1	9.3	56	<0.1	25.1	8.1	254	2.64	13.5	1.0	4.3	6.0	25	<0.1	0.9	0.2	49	0.32	0.039
129104	Soil	1.4	25.8	10.7	75	<0.1	25.6	11.8	400	2.77	20.2	0.8	0.6	7.5	11	<0.1	1.1	0.2	41	0.15	0.043
129105	Soil	1.5	17.0	8.5	46	<0.1	14.2	5.9	141	1.96	18.5	0.8	1.5	4.6	12	<0.1	0.9	0.1	35	0.13	0.029
129106	Soil	0.6	24.6	6.8	41	<0.1	18.2	7.3	272	1.94	8.2	0.6	2.6	3.8	22	<0.1	0.5	0.1	37	0.29	0.059
129107	Soil	0.5	25.8	7.3	51	<0.1	20.5	7.7	304	1.97	8.7	0.5	1.6	4.0	26	0.2	0.5	0.1	37	0.37	0.075
129108	Soil	0.6	24.2	7.3	49	0.1	21.7	7.6	330	2.08	9.3	0.7	8.0	3.6	30	0.1	0.6	0.1	37	0.53	0.076
129109	Soil	0.7	26.1	7.5	54	<0.1	23.0	8.3	327	1.98	8.9	0.5	1.5	3.9	24	0.2	0.6	0.1	37	0.40	0.073
129110	Soil	0.6	20.0	7.8	61	0.1	19.5	9.1	295	1.71	8.8	3.8	2.1	4.4	25	0.2	0.8	0.1	36	0.40	0.067
129111	Soil	1.0	24.1	8.6	64	0.1	19.4	8.8	281	2.51	9.9	2.7	1.5	3.9	33	0.4	0.6	0.1	41	0.62	0.070
129112	Soil	0.9	26.6	7.1	46	<0.1	22.5	8.2	385	1.86	7.5	0.8	1.0	2.9	31	0.2	0.7	0.1	33	0.59	0.070
129113	Soil	0.9	25.1	7.1	51	<0.1	18.3	6.7	219	2.00	10.2	0.7	2.0	4.2	25	0.2	0.6	0.1	36	0.40	0.075
129114	Soil	0.6	19.4	7.4	52	<0.1	17.1	6.7	267	1.70	8.6	0.7	0.9	4.0	25	0.3	0.6	0.1	34	0.37	0.067
129115	Soil	0.8	27.2	7.9	44	0.1	20.3	8.4	301	2.40	10.7	1.0	6.2	3.4	32	0.3	0.6	0.1	45	0.54	0.078
129116	Soil	0.8	27.7	8.9	57	0.1	22.0	8.8	291	2.14	10.0	1.1	1.2	4.2	30	0.2	0.6	0.1	42	0.53	0.072
129117	Soil	0.8	24.1	8.7	59	0.1	20.8	9.6	407	2.18	11.1	0.8	1.7	4.6	30	0.3	0.6	0.1	40	0.56	0.081
129118	Soil	0.8	28.4	9.0	62	0.1	24.0	8.7	296	2.23	9.3	0.7	3.7	4.2	32	0.2	0.6	0.1	47	0.54	0.076
129119	Soil	0.9	28.3	8.4	44	0.1	22.7	8.2	289	2.16	8.9	1.4	5.5	3.5	36	0.1	0.5	0.1	48	0.63	0.065



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
129103	Soil	18	31	0.46	351	0.069	1	1.61	0.010	0.05	0.1	0.04	5.1	<0.1	<0.05	5	0.7	<0.2
129104	Soil	7	23	0.37	218	0.065	<1	1.53	0.006	0.16	0.1	0.01	3.5	0.3	<0.05	5	<0.5	<0.2
129105	Soil	10	22	0.31	172	0.043	<1	1.27	0.005	0.05	0.1	0.01	2.3	0.1	<0.05	4	<0.5	<0.2
129106	Soil	13	21	0.42	287	0.049	1	1.06	0.010	0.05	0.2	0.02	3.3	<0.1	<0.05	3	0.6	<0.2
129107	Soil	13	20	0.45	239	0.050	2	0.96	0.016	0.06	0.2	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
129108	Soil	12	21	0.44	285	0.049	1	0.97	0.018	0.05	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
129109	Soil	12	21	0.47	249	0.047	1	0.92	0.018	0.05	0.2	0.04	2.8	<0.1	<0.05	3	<0.5	<0.2
129110	Soil	17	22	0.41	306	0.049	2	0.98	0.013	0.05	0.3	0.04	2.8	<0.1	0.05	3	0.5	<0.2
129111	Soil	14	24	0.43	394	0.042	2	1.15	0.015	0.04	0.2	0.03	3.2	<0.1	<0.05	4	0.9	<0.2
129112	Soil	11	19	0.37	345	0.036	1	0.90	0.012	0.04	0.1	0.03	2.3	<0.1	<0.05	3	0.5	<0.2
129113	Soil	12	19	0.37	250	0.044	2	0.87	0.013	0.05	0.2	0.02	2.4	<0.1	<0.05	3	0.7	<0.2
129114	Soil	12	19	0.38	260	0.043	<1	0.88	0.011	0.04	0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
129115	Soil	13	22	0.37	310	0.033	1	1.10	0.010	0.04	0.3	0.04	2.8	<0.1	<0.05	3	<0.5	<0.2
129116	Soil	14	23	0.42	336	0.046	2	1.07	0.014	0.04	0.3	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
129117	Soil	14	21	0.41	282	0.054	2	0.98	0.014	0.06	0.3	0.02	2.8	<0.1	<0.05	3	0.7	<0.2
129118	Soil	14	26	0.49	266	0.056	2	1.15	0.019	0.08	0.3	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
129119	Soil	14	25	0.42	373	0.048	1	1.21	0.012	0.05	0.3	0.03	3.3	<0.1	<0.05	4	0.6	<0.2



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QUALITY CONTROL REPORT

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
100227	Soil	1.8	20.8	12.2	73	0.3	28.4	11.4	329	3.34	14.8	0.5	<0.5	3.7	16	0.2	0.8	0.2	78	0.14	0.055
REP 100227	QC	1.5	21.2	12.3	74	0.3	28.5	11.5	332	3.33	15.2	0.5	2.2	3.7	17	0.2	0.9	0.3	79	0.14	0.055
100260	Soil	0.5	40.3	3.3	34	0.1	26.7	12.7	174	2.47	6.9	0.8	0.8	2.2	11	0.1	0.9	<0.1	59	0.24	0.010
REP 100260	QC	0.5	38.5	3.4	34	0.1	26.1	12.2	175	2.49	6.7	0.8	<0.5	2.1	11	<0.1	0.8	<0.1	58	0.23	0.010
100272	Soil	0.6	78.6	5.0	73	<0.1	13.3	10.9	840	2.73	3.4	0.7	1.7	1.7	9	0.1	0.3	0.1	57	0.23	0.124
REP 100272	QC	0.6	78.1	5.0	73	<0.1	13.6	11.2	841	2.68	3.8	0.7	1.9	1.8	10	0.1	0.3	0.2	55	0.24	0.130
100297	Soil	0.8	27.1	11.1	66	0.1	17.6	6.4	181	2.06	10.5	1.6	3.0	5.1	24	0.2	1.0	0.2	33	0.29	0.057
REP 100297	QC	0.8	27.5	10.6	68	0.1	18.6	6.6	187	2.13	10.7	1.6	3.4	5.4	24	0.1	1.0	0.2	33	0.29	0.058
100308	Soil	0.8	19.0	9.5	48	<0.1	18.1	9.4	318	2.36	12.0	0.9	1.4	3.9	21	<0.1	0.5	0.2	46	0.28	0.039
REP 100308	QC	0.9	19.8	9.1	49	<0.1	18.2	9.1	320	2.33	12.3	0.9	2.9	3.8	21	<0.1	0.5	0.2	46	0.27	0.038
100330	Soil	0.8	26.3	9.1	70	0.2	21.1	8.5	343	2.08	7.8	1.4	2.7	3.8	34	0.3	0.8	0.2	40	0.55	0.092
REP 100330	QC	0.8	26.4	9.2	69	0.1	21.7	8.4	345	2.04	7.4	1.5	7.7	3.8	35	0.3	0.8	0.2	37	0.55	0.087
119920	Soil	0.6	43.3	10.1	52	0.2	18.8	8.1	174	2.57	9.5	4.5	5.5	10.5	18	<0.1	0.5	0.2	50	0.21	0.043
REP 119920	QC	0.6	43.9	9.6	52	0.2	18.4	8.0	177	2.48	9.1	4.6	6.0	10.9	18	<0.1	0.5	0.2	51	0.21	0.042
119951	Soil	0.5	124.8	2.9	82	<0.1	40.9	21.7	367	5.44	4.1	1.2	3.6	1.7	33	<0.1	0.4	<0.1	152	0.51	0.040
REP 119951	QC	0.5	125.4	2.8	84	<0.1	41.1	21.7	371	5.46	4.1	1.1	3.2	1.7	31	0.1	0.4	<0.1	154	0.49	0.042
119954	Soil	0.4	60.2	9.0	69	<0.1	117.2	18.6	701	4.26	4.7	1.1	<0.5	4.1	20	<0.1	0.4	0.1	117	0.45	0.081
REP 119954	QC	0.5	62.0	9.1	71	<0.1	117.6	18.7	716	4.33	4.7	1.0	0.9	4.0	20	<0.1	0.4	0.1	118	0.43	0.076
124051	Soil	0.4	6.8	6.0	61	<0.1	24.7	16.8	281	2.99	1.9	0.7	<0.5	4.9	17	<0.1	0.2	<0.1	72	0.44	0.104
REP 124051	QC	0.3	6.7	6.2	59	<0.1	25.0	16.6	280	2.93	2.0	0.7	<0.5	5.0	17	<0.1	0.2	<0.1	73	0.44	0.104
124052	Soil	0.7	10.7	10.2	76	0.2	12.1	7.6	321	3.20	7.0	1.4	1.5	12.4	12	<0.1	0.3	0.1	51	0.14	0.025
REP 124052	QC	0.7	10.6	10.2	77	0.2	10.6	7.6	310	3.08	6.8	1.3	1.0	12.3	12	<0.1	0.3	0.2	49	0.14	0.024
124077	Soil	1.1	16.3	15.6	111	<0.1	12.0	7.6	496	4.26	11.6	7.9	3.1	30.6	16	0.1	1.2	0.4	37	0.30	0.082
REP 124077	QC	1.1	16.0	15.5	110	<0.1	12.1	7.6	503	4.33	11.2	7.9	3.1	30.8	16	0.1	1.3	0.4	38	0.31	0.083
124098	Soil	0.7	29.1	14.9	117	<0.1	29.1	7.5	334	2.70	14.8	1.7	5.1	9.7	23	0.1	2.0	0.3	43	0.16	0.027
REP 124098	QC	0.6	29.1	15.1	117	<0.1	31.0	8.0	354	2.85	15.8	1.7	5.9	9.7	24	0.2	2.0	0.3	47	0.17	0.028
124113	Soil	2.1	81.9	12.6	181	0.2	100.3	13.8	1049	2.94	30.0	2.3	2.8	8.5	17	0.2	1.3	0.2	65	0.26	0.061
REP 124113	QC	2.3	78.4	12.6	177	0.2	95.8	13.0	1012	2.88	29.6	2.3	3.2	8.4	16	0.2	1.3	0.2	63	0.26	0.063



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Part 2

QUALITY CONTROL REPORT

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
100227	Soil	12	36	0.55	325	0.060	1	2.37	0.007	0.06	0.2	<0.01	2.7	0.1	<0.05	7	<0.5	<0.2
REP 100227	QC	12	37	0.55	327	0.062	2	2.38	0.008	0.07	0.2	0.02	2.7	0.1	<0.05	7	<0.5	<0.2
100260	Soil	8	39	0.39	239	0.108	<1	1.41	0.013	0.03	<0.1	0.02	4.9	0.1	<0.05	3	<0.5	<0.2
REP 100260	QC	8	39	0.39	241	0.107	<1	1.39	0.013	0.03	<0.1	0.01	4.9	0.1	<0.05	3	<0.5	<0.2
100272	Soil	7	8	1.61	965	0.117	<1	2.20	0.021	0.53	<0.1	<0.01	6.0	<0.1	<0.05	8	<0.5	<0.2
REP 100272	QC	7	8	1.58	949	0.115	<1	2.22	0.021	0.50	<0.1	<0.01	6.2	<0.1	<0.05	8	<0.5	<0.2
100297	Soil	21	20	0.29	279	0.043	<1	1.09	0.009	0.07	<0.1	0.04	3.0	0.1	<0.05	3	<0.5	<0.2
REP 100297	QC	21	20	0.30	283	0.043	<1	1.13	0.009	0.07	<0.1	0.03	3.1	0.1	<0.05	3	<0.5	<0.2
100308	Soil	13	25	0.47	280	0.043	<1	1.51	0.008	0.04	0.2	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 100308	QC	13	26	0.47	283	0.044	<1	1.49	0.008	0.04	0.2	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
100330	Soil	15	21	0.46	445	0.046	2	1.12	0.016	0.05	0.4	0.06	3.0	<0.1	<0.05	3	0.8	<0.2
REP 100330	QC	15	21	0.43	440	0.043	<1	1.04	0.014	0.05	0.5	0.05	2.8	<0.1	<0.05	3	1.0	<0.2
119920	Soil	50	38	0.58	193	0.070	1	1.52	0.008	0.08	0.1	0.07	6.7	0.1	<0.05	4	0.6	<0.2
REP 119920	QC	52	38	0.57	193	0.076	1	1.59	0.008	0.08	0.1	0.05	6.6	0.1	<0.05	5	<0.5	<0.2
119951	Soil	8	98	1.21	244	0.041	<1	2.40	0.012	0.07	<0.1	0.02	12.2	<0.1	<0.05	9	<0.5	<0.2
REP 119951	QC	8	100	1.18	244	0.039	<1	2.27	0.011	0.06	<0.1	0.02	12.4	<0.1	<0.05	9	<0.5	<0.2
119954	Soil	20	158	1.90	410	0.078	1	2.68	0.009	0.12	<0.1	0.02	10.1	<0.1	<0.05	10	<0.5	<0.2
REP 119954	QC	20	161	2.03	428	0.080	<1	2.75	0.010	0.12	<0.1	<0.01	10.1	<0.1	<0.05	10	<0.5	<0.2
124051	Soil	12	335	2.37	747	0.205	<1	2.81	0.015	0.88	<0.1	<0.01	3.0	0.3	<0.05	7	<0.5	<0.2
REP 124051	QC	12	335	2.37	726	0.205	<1	2.81	0.015	0.90	<0.1	<0.01	3.1	0.4	<0.05	7	<0.5	<0.2
124052	Soil	24	30	0.67	200	0.201	<1	1.78	0.008	0.62	0.2	0.02	5.5	0.6	<0.05	8	<0.5	<0.2
REP 124052	QC	24	32	0.66	205	0.195	<1	1.76	0.008	0.62	0.2	<0.01	5.3	0.5	<0.05	8	<0.5	<0.2
124077	Soil	104	20	0.59	292	0.135	<1	2.20	0.007	0.89	0.2	0.04	9.6	0.8	<0.05	11	0.7	<0.2
REP 124077	QC	104	20	0.59	289	0.137	2	2.32	0.007	0.91	0.2	0.03	9.7	0.9	<0.05	11	0.6	<0.2
124098	Soil	24	25	0.41	308	0.066	2	1.33	0.007	0.14	0.1	0.06	5.2	0.2	<0.05	4	<0.5	<0.2
REP 124098	QC	25	27	0.42	321	0.067	1	1.35	0.007	0.14	0.2	0.07	5.4	0.2	<0.05	4	0.7	<0.2
124113	Soil	29	63	1.05	965	0.083	1	1.73	0.006	0.34	<0.1	0.04	5.2	0.5	<0.05	6	1.0	0.3
REP 124113	QC	29	60	1.06	955	0.080	1	1.75	0.007	0.34	0.1	0.04	5.1	0.5	<0.05	6	1.0	0.2



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Project:

Wounded Moose

Report Date:

September 14, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000831.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
129056	Soil	1.5	34.1	14.7	57	0.3	22.5	10.0	265	2.82	20.3	1.4	11.1	6.4	17	<0.1	1.2	0.2	55	0.10	0.014
REP 129056	QC	1.2	30.5	13.7	55	0.3	20.0	9.2	248	2.66	18.5	1.3	2.2	5.8	15	<0.1	1.1	0.2	52	0.09	0.013
129064	Soil	0.5	147.1	17.0	175	0.1	62.5	13.0	1863	4.85	10.5	1.7	7.6	10.3	15	0.2	2.2	0.3	54	0.26	0.069
REP 129064	QC	0.5	138.4	17.1	167	0.1	58.2	13.1	1819	4.60	10.5	1.7	5.8	10.4	15	0.1	2.1	0.3	54	0.25	0.070
129083	Soil	1.0	20.0	9.1	67	<0.1	16.3	7.1	311	2.10	18.5	1.2	2.2	7.8	19	0.2	1.4	0.1	34	0.26	0.062
REP 129083	QC	1.0	19.3	9.2	67	<0.1	14.7	7.0	316	2.05	18.4	1.2	1.0	7.5	19	0.2	1.6	0.1	34	0.26	0.059
Reference Materials																					
STD DS8	Standard	13.2	107.1	121.7	323	1.8	36.2	7.4	632	2.56	25.5	2.7	115.4	6.4	66	2.4	5.5	6.4	40	0.69	0.082
STD DS8	Standard	13.2	113.1	135.3	313	1.8	40.1	7.9	629	2.54	25.6	3.3	123.6	8.2	78	2.4	6.6	7.9	44	0.73	0.080
STD DS8	Standard	13.6	109.6	128.8	318	1.8	39.0	7.7	630	2.50	25.2	3.0	137.4	7.5	71	2.4	5.4	6.6	42	0.72	0.082
STD DS8	Standard	13.7	104.6	124.8	309	1.9	36.5	7.4	613	2.46	25.4	2.9	103.7	7.4	69	2.0	5.5	6.4	41	0.72	0.080
STD DS8	Standard	13.7	104.8	125.0	313	1.8	37.0	7.2	617	2.43	24.9	3.2	126.8	7.4	79	2.1	6.2	7.8	42	0.72	0.077
STD DS8	Standard	12.2	104.1	121.0	300	1.8	34.5	7.1	581	2.32	23.7	2.6	105.4	6.6	65	2.4	5.1	6.1	39	0.67	0.077
STD DS8	Standard	12.3	121.5	117.4	308	1.9	39.9	7.9	608	2.36	26.7	2.6	112.6	6.8	65	2.7	5.5	7.4	41	0.64	0.083
STD DS8	Standard	13.5	113.5	126.1	336	1.9	38.7	8.1	650	2.63	28.4	2.7	126.2	6.4	66	2.6	5.4	6.9	44	0.71	0.088
STD DS8	Standard	12.3	108.5	120.2	306	1.7	35.7	7.2	596	2.37	24.6	2.7	109.9	6.6	65	2.2	4.6	6.2	40	0.66	0.076
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project:

Wounded Moose

Report Date:

September 14, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11000831.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.1	0.05	1	0.5	0.2
129056	Soil	19	31	0.40	292	0.050	<1	1.63	0.008	0.04	<0.1	0.07	5.6	0.1	<0.05	5	<0.5	<0.2
REP 129056	QC	18	29	0.37	273	0.046	<1	1.52	0.007	0.04	<0.1	0.06	5.1	0.1	<0.05	4	<0.5	<0.2
129064	Soil	50	21	1.18	1690	0.076	1	2.15	0.006	0.71	0.2	0.08	9.7	0.5	<0.05	8	0.5	<0.2
REP 129064	QC	48	21	1.13	1628	0.074	<1	2.08	0.006	0.70	0.2	0.06	9.5	0.5	<0.05	7	1.1	<0.2
129083	Soil	16	23	0.37	210	0.060	<1	0.90	0.008	0.12	0.1	0.03	2.7	0.2	<0.05	3	<0.5	<0.2
REP 129083	QC	17	21	0.35	214	0.062	<1	0.90	0.009	0.13	0.1	0.03	2.6	0.3	<0.05	3	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	111	0.61	280	0.111	2	0.89	0.084	0.42	3.0	0.19	2.1	5.6	0.14	5	6.6	4.2
STD DS8	Standard	17	121	0.64	296	0.139	4	0.92	0.086	0.42	3.0	0.19	2.1	5.4	0.15	5	5.5	5.0
STD DS8	Standard	18	118	0.62	280	0.123	3	0.95	0.092	0.42	3.0	0.21	2.3	5.5	0.16	5	5.3	4.5
STD DS8	Standard	17	113	0.61	271	0.122	3	0.91	0.089	0.41	3.3	0.20	2.3	5.3	0.13	5	5.0	4.7
STD DS8	Standard	19	114	0.61	285	0.131	4	0.94	0.086	0.41	3.1	0.21	2.3	5.2	0.12	5	5.2	5.1
STD DS8	Standard	15	110	0.58	270	0.109	3	0.86	0.082	0.40	2.9	0.18	2.1	5.2	0.15	4	4.1	4.6
STD DS8	Standard	14	115	0.59	265	0.112	3	0.86	0.083	0.41	2.7	0.20	1.9	5.1	0.13	4	4.7	4.8
STD DS8	Standard	16	117	0.65	281	0.121	3	0.98	0.088	0.42	3.3	0.21	2.3	5.8	0.16	5	5.6	5.5
STD DS8	Standard	14	111	0.59	267	0.111	3	0.88	0.084	0.38	2.9	0.20	2.2	5.2	0.12	5	4.7	4.6
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	3	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Mark Fekete

Receiving Lab: Canada-Whitehorse

Received: August 23, 2011

Report Date: September 19, 2011

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11001147.1

CLIENT JOB INFORMATION

Project: Wounded Moose
Shipment ID: 20110731174733
P.O. Number
Number of Samples: 319

SAMPLE DISPOSAL

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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	319	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	319	Dry at 60C			WHI
1DX2	319	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Report Date:

September 19, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001147.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15				
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
100453	Soil					0.8	13.1	9.6	60	<0.1	17.7	9.4	324	2.86	9.8	1.1	2.8	6.3	16	<0.1	0.4	0.2	52	0.25	0.071
100454	Soil					0.9	11.7	10.3	58	<0.1	15.8	9.0	286	2.82	10.2	1.1	5.1	5.8	15	<0.1	0.5	0.2	56	0.21	0.050
100455	Soil					1.1	10.8	8.5	46	0.2	15.3	6.6	196	2.27	6.5	1.5	2.4	3.0	17	<0.1	0.3	0.1	46	0.19	0.052
100456	Soil					1.0	12.5	10.1	55	<0.1	16.4	8.4	302	2.78	9.7	1.4	2.2	5.2	17	<0.1	0.4	0.2	54	0.26	0.066
100457	Soil					1.0	13.0	11.1	63	<0.1	19.9	10.8	399	2.95	10.1	1.7	1.9	4.4	19	<0.1	0.4	0.1	61	0.28	0.076
100458	Soil					0.9	13.1	9.9	49	<0.1	17.2	8.6	265	2.61	9.4	0.9	2.1	5.3	12	<0.1	0.5	0.1	50	0.15	0.050
100459	Soil					1.0	10.8	10.1	51	<0.1	15.4	7.6	269	2.69	9.3	0.8	2.5	3.9	11	<0.1	0.4	0.2	52	0.14	0.045
100460	Soil					1.0	10.0	9.7	48	<0.1	14.1	7.8	268	2.55	7.7	1.1	2.8	5.9	11	<0.1	0.3	0.1	50	0.16	0.057
100461	Soil					0.8	15.6	8.6	58	<0.1	22.1	11.0	357	2.73	9.7	0.9	5.3	5.3	15	<0.1	0.5	0.1	50	0.22	0.071
100462	Soil					0.9	15.7	9.9	56	<0.1	20.4	10.7	372	2.89	10.3	1.3	3.8	8.2	14	<0.1	0.5	0.2	49	0.20	0.061
100463	Soil					1.0	19.8	10.6	55	<0.1	21.8	11.2	322	2.92	11.3	1.4	4.1	8.6	12	<0.1	0.5	0.2	48	0.15	0.054
100464	Soil					0.7	20.9	9.9	66	<0.1	22.7	11.3	373	2.97	9.2	1.5	2.6	8.5	15	<0.1	0.4	0.1	54	0.18	0.036
100465	Soil					0.6	16.9	10.0	75	<0.1	23.1	14.7	583	3.82	8.5	1.6	2.6	12.1	19	<0.1	0.3	<0.1	71	0.38	0.106
100466	Soil					0.8	14.7	10.5	49	<0.1	16.6	7.7	227	2.70	9.5	1.1	2.2	5.5	11	<0.1	0.5	0.2	49	0.13	0.038
100467	Soil					0.8	17.0	9.3	62	<0.1	22.5	12.3	396	3.10	9.4	0.7	2.3	7.5	12	0.1	0.5	0.1	54	0.19	0.059
100468	Soil					0.8	14.2	10.2	60	<0.1	20.9	11.0	362	3.01	9.3	0.9	2.6	7.2	13	0.1	0.5	0.1	52	0.17	0.054
100469	Soil					0.9	50.6	6.1	53	<0.1	82.9	21.9	372	2.92	6.9	1.3	1.7	6.8	29	0.1	0.3	<0.1	63	0.49	0.180
100470	Soil					0.9	10.9	9.5	42	<0.1	12.8	6.1	179	2.35	7.2	0.9	2.6	2.0	12	<0.1	0.3	0.1	50	0.12	0.040
100471	Soil					0.8	8.7	9.4	41	<0.1	12.6	5.7	183	2.26	7.5	0.7	1.6	1.8	10	<0.1	0.3	0.1	51	0.12	0.037
100472	Soil					1.0	10.1	10.1	45	<0.1	13.3	6.3	192	2.59	9.3	0.9	2.8	5.2	11	<0.1	0.4	0.2	50	0.12	0.038
100473	Soil					1.2	9.6	10.8	44	<0.1	12.5	6.1	182	2.77	10.1	0.7	2.1	4.5	12	<0.1	0.4	0.2	52	0.12	0.039
100474	Soil					1.3	12.7	9.8	58	<0.1	17.9	8.8	334	2.73	9.1	1.2	1.5	2.4	20	<0.1	0.4	0.1	55	0.24	0.069
100475	Soil					1.0	12.4	9.5	51	<0.1	15.4	7.5	214	2.57	9.0	1.0	6.2	5.4	14	<0.1	0.4	0.1	48	0.17	0.042
100476	Soil					0.7	10.8	8.5	59	<0.1	15.1	10.0	368	2.96	8.1	1.0	1.4	3.7	15	0.1	0.4	0.1	60	0.23	0.068
100477	Soil					1.0	11.0	9.1	57	<0.1	15.4	8.4	295	2.75	10.1	0.8	1.7	4.8	12	<0.1	0.4	0.2	56	0.17	0.054
100478	Soil					0.7	22.3	7.5	58	<0.1	124.3	15.5	364	2.77	8.5	0.9	6.4	5.2	16	<0.1	0.4	<0.1	64	0.33	0.109
100479	Soil					0.9	16.8	10.0	62	<0.1	19.0	8.2	279	2.69	11.9	0.8	3.3	3.8	15	0.1	0.6	0.2	48	0.20	0.061
100480	Soil					0.8	14.2	10.1	66	<0.1	17.7	10.3	384	2.68	12.0	1.0	1.9	5.2	15	0.1	0.5	0.1	49	0.20	0.064
100481	Soil					1.0	15.5	11.6	55	0.1	16.5	6.2	163	2.31	15.5	0.9	16.2	1.5	12	0.1	0.6	0.2	42	0.13	0.048
100482	Soil					0.9	14.6	10.9	65	<0.1	16.6	8.3	350	2.67	20.2	1.2	1.3	4.8	13	<0.1	0.6	0.1	42	0.17	0.065



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
100453	Soil	21	30	0.77	143	0.082	3	1.98	0.008	0.25	0.2	0.02	2.2	0.3	<0.05	5	<0.5	<0.2
100454	Soil	18	29	0.68	128	0.085	3	1.79	0.007	0.17	0.2	0.03	2.2	0.2	<0.05	6	<0.5	<0.2
100455	Soil	26	31	0.65	137	0.071	2	1.51	0.008	0.16	0.2	0.03	1.8	0.2	<0.05	5	<0.5	<0.2
100456	Soil	29	29	0.68	139	0.077	2	1.74	0.008	0.19	0.2	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
100457	Soil	35	47	0.96	165	0.094	2	2.08	0.008	0.35	0.1	0.02	2.4	0.3	<0.05	6	<0.5	<0.2
100458	Soil	19	30	0.59	134	0.069	2	1.78	0.007	0.15	0.1	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
100459	Soil	15	28	0.56	113	0.064	1	1.68	0.006	0.13	0.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
100460	Soil	20	26	0.59	117	0.073	2	1.62	0.006	0.18	0.2	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
100461	Soil	18	33	0.70	128	0.074	1	1.79	0.007	0.20	0.2	0.02	1.9	0.2	<0.05	4	<0.5	<0.2
100462	Soil	21	34	0.64	168	0.071	1	1.89	0.008	0.13	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
100463	Soil	18	32	0.53	179	0.048	1	1.88	0.007	0.08	0.2	0.01	2.6	0.2	<0.05	4	0.5	<0.2
100464	Soil	29	32	0.80	245	0.085	<1	2.03	0.007	0.30	0.1	0.05	3.3	0.3	<0.05	5	<0.5	<0.2
100465	Soil	34	44	1.37	311	0.150	1	2.62	0.008	0.83	0.2	<0.01	3.7	0.6	<0.05	7	<0.5	<0.2
100466	Soil	22	28	0.46	137	0.054	1	1.62	0.006	0.09	0.2	0.03	2.8	0.2	<0.05	5	<0.5	<0.2
100467	Soil	15	34	0.78	143	0.087	<1	2.11	0.007	0.23	0.2	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
100468	Soil	17	33	0.75	152	0.086	2	2.10	0.008	0.26	0.2	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2
100469	Soil	25	236	1.15	165	0.116	1	2.16	0.007	0.60	0.2	0.01	1.8	0.5	<0.05	6	<0.5	<0.2
100470	Soil	22	21	0.53	120	0.060	<1	1.55	0.006	0.18	0.1	0.04	1.4	0.2	<0.05	6	<0.5	<0.2
100471	Soil	17	24	0.49	89	0.060	<1	1.35	0.006	0.14	0.1	<0.01	1.3	0.2	<0.05	5	<0.5	<0.2
100472	Soil	17	25	0.45	109	0.061	<1	1.68	0.006	0.07	0.2	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
100473	Soil	16	24	0.48	104	0.071	<1	1.55	0.006	0.08	0.2	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
100474	Soil	29	28	0.65	164	0.065	1	1.86	0.009	0.24	0.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
100475	Soil	21	25	0.53	131	0.066	1	1.66	0.007	0.11	0.2	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
100476	Soil	19	30	0.94	176	0.088	1	2.23	0.007	0.47	0.1	0.02	2.2	0.3	<0.05	6	<0.5	<0.2
100477	Soil	15	25	0.70	122	0.082	1	1.78	0.006	0.19	0.2	<0.01	1.9	0.3	<0.05	6	<0.5	<0.2
100478	Soil	25	288	1.58	306	0.124	1	2.28	0.007	0.56	0.1	<0.01	2.4	0.4	<0.05	6	<0.5	<0.2
100479	Soil	16	21	0.56	149	0.065	1	1.59	0.008	0.14	0.2	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
100480	Soil	17	25	0.59	162	0.069	1	1.64	0.007	0.18	0.2	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
100481	Soil	15	24	0.43	159	0.036	<1	1.45	0.006	0.07	0.2	0.06	1.7	0.1	<0.05	5	<0.5	<0.2
100482	Soil	28	22	0.56	162	0.065	<1	1.56	0.006	0.25	0.1	0.04	2.1	0.3	<0.05	5	<0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
112889	Soil	1.4	37.6	14.3	83	0.2	32.8	9.9	231	3.27	10.4	2.6	6.5	11.8	40	0.1	0.4	0.2	49	0.17	0.076
112890	Soil	1.3	35.6	12.7	78	0.2	28.6	9.4	204	3.06	9.4	2.2	7.2	10.1	35	<0.1	0.4	0.2	44	0.16	0.070
112891	Soil	1.2	34.4	12.0	112	0.2	32.5	7.3	197	3.35	7.1	2.6	2.3	10.9	36	<0.1	0.4	0.2	36	0.15	0.049
112892	Soil	1.1	20.8	17.3	70	0.1	29.6	12.4	333	2.97	11.2	1.0	2.5	6.4	13	<0.1	0.5	0.2	47	0.09	0.048
112893	Soil	1.5	20.4	14.3	70	<0.1	19.0	7.3	389	1.81	10.3	1.2	1.6	6.3	10	<0.1	0.4	0.1	36	0.11	0.023
112894	Soil	1.1	31.7	11.4	100	0.5	33.6	16.5	501	2.32	14.4	1.9	12.2	6.6	11	0.3	0.8	0.2	31	0.14	0.055
112895	Soil	0.6	16.9	9.1	47	<0.1	25.9	14.0	861	2.14	4.4	0.9	0.9	4.9	10	0.1	0.2	<0.1	42	0.14	0.028
112896	Soil	1.3	30.7	10.8	66	<0.1	21.7	7.2	167	2.56	12.7	2.7	2.5	13.3	7	0.1	0.6	0.2	36	0.06	0.039
112897	Soil	1.0	32.5	10.6	52	0.1	26.9	10.1	419	2.79	10.4	1.3	1.8	5.8	18	<0.1	0.5	0.2	46	0.16	0.036
112898	Soil	1.3	29.7	17.4	71	0.2	22.1	8.2	181	3.33	13.5	1.1	2.2	8.3	13	0.2	0.6	0.3	42	0.03	0.047
112899	Soil	1.1	32.1	17.5	89	<0.1	26.9	10.0	372	2.71	8.4	2.2	3.7	8.2	12	0.1	0.7	0.2	41	0.14	0.045
112900	Soil	0.8	29.1	9.9	68	<0.1	22.0	6.6	207	2.00	5.2	1.5	2.1	7.2	8	<0.1	0.3	0.1	38	0.09	0.027
112901	Soil	1.2	21.5	14.3	81	0.1	23.6	9.7	271	2.72	10.7	0.9	2.9	6.0	6	<0.1	0.4	0.2	44	0.08	0.046
112902	Soil	0.6	30.9	14.5	75	<0.1	25.0	8.3	301	2.40	11.9	1.3	7.9	7.3	13	<0.1	0.4	0.2	40	0.19	0.065
112903	Soil	0.6	41.8	15.7	96	<0.1	30.9	8.9	332	2.64	8.4	1.0	2.4	8.8	17	0.1	0.4	0.2	50	0.29	0.078
112904	Soil	0.7	60.4	10.2	88	<0.1	29.5	10.9	534	2.46	6.0	0.5	2.5	3.5	14	<0.1	0.4	0.2	49	0.15	0.017
112905	Soil	1.2	38.4	10.5	106	<0.1	37.0	9.8	211	2.62	10.0	0.5	1.7	2.5	5	0.1	0.6	0.2	47	0.04	0.031
112906	Soil	1.3	32.0	10.8	77	0.2	25.3	8.4	215	2.48	9.5	0.8	2.9	3.0	12	0.1	0.7	0.2	46	0.14	0.038
112907	Soil	1.1	25.9	9.3	72	0.3	22.9	7.8	191	2.13	7.5	0.8	2.5	2.7	14	0.2	0.6	0.2	38	0.18	0.050
112908	Soil	1.1	23.2	9.1	55	<0.1	18.7	7.2	224	2.08	9.6	0.9	3.1	4.4	12	<0.1	0.7	0.2	35	0.13	0.030
112909	Soil	1.1	22.3	10.8	49	<0.1	18.9	7.6	234	2.25	11.2	1.1	3.8	3.8	13	<0.1	0.6	0.2	41	0.12	0.024
112910	Soil	0.9	23.3	10.4	53	<0.1	20.0	8.3	299	2.24	13.0	1.2	3.1	4.2	12	<0.1	0.7	0.2	40	0.11	0.024
112911	Soil	1.0	30.6	14.7	112	0.1	24.1	7.9	252	2.37	32.9	1.7	3.7	7.3	11	<0.1	1.0	0.2	38	0.09	0.031
112912	Soil	1.2	37.1	22.8	134	<0.1	30.1	11.2	392	2.99	80.5	2.6	3.0	10.8	8	0.2	1.6	0.2	40	0.05	0.041
112913	Soil	0.9	23.1	12.6	65	<0.1	20.8	7.5	234	2.45	21.1	1.5	3.9	5.2	9	<0.1	0.6	0.2	43	0.08	0.028
112914	Soil	1.3	36.6	20.0	105	<0.1	32.8	9.2	229	3.18	23.2	1.7	3.4	9.3	13	0.1	0.6	0.2	48	0.15	0.033
112915	Soil	1.2	40.4	19.2	140	<0.1	33.5	10.0	330	3.08	45.6	1.9	2.9	10.3	13	0.1	1.3	0.2	47	0.22	0.062
112916	Soil	1.0	14.4	9.5	43	0.2	13.6	5.8	168	1.99	13.5	0.8	4.1	3.4	8	<0.1	0.5	0.2	36	0.07	0.039
112917	Soil	1.5	29.3	16.8	97	0.1	30.4	11.4	331	3.42	24.0	0.9	5.9	7.5	7	0.1	0.6	0.2	54	0.10	0.066
112918	Soil	0.9	36.4	18.5	108	<0.1	30.8	9.3	307	2.68	17.0	1.1	4.6	8.6	17	<0.1	0.7	0.2	42	0.26	0.073



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112889	Soil	73	31	0.58	223	0.085	<1	1.73	0.011	0.36	0.2	0.02	2.4	0.3	0.08	5	0.6	<0.2
112890	Soil	60	27	0.51	196	0.073	<1	1.49	0.010	0.32	0.2	0.02	2.1	0.3	0.07	5	0.6	<0.2
112891	Soil	49	25	0.67	182	0.018	<1	1.54	0.009	0.09	<0.1	0.04	3.0	0.1	0.07	4	1.1	<0.2
112892	Soil	18	30	0.50	117	0.039	<1	1.99	0.007	0.09	0.1	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
112893	Soil	24	22	0.32	245	0.044	<1	1.14	0.004	0.15	<0.1	0.03	2.8	0.2	<0.05	3	<0.5	<0.2
112894	Soil	24	20	0.30	188	0.020	1	0.93	0.004	0.06	0.1	0.10	2.3	<0.1	<0.05	3	<0.5	<0.2
112895	Soil	15	22	0.81	253	0.070	<1	1.41	0.003	0.38	<0.1	0.01	1.9	0.2	<0.05	3	<0.5	<0.2
112896	Soil	49	19	0.17	129	0.006	2	1.03	0.003	0.06	<0.1	0.03	1.4	<0.1	<0.05	3	0.8	<0.2
112897	Soil	37	55	0.75	204	0.045	1	1.67	0.005	0.18	<0.1	0.02	3.8	0.2	<0.05	4	<0.5	<0.2
112898	Soil	24	27	0.37	119	0.008	<1	1.75	0.003	0.12	<0.1	0.02	1.8	0.2	<0.05	4	0.8	<0.2
112899	Soil	30	27	0.53	233	0.063	<1	1.51	0.007	0.23	0.1	0.03	3.2	0.2	<0.05	4	0.6	<0.2
112900	Soil	26	24	0.49	123	0.051	<1	1.27	0.003	0.20	<0.1	0.02	1.8	0.2	<0.05	3	<0.5	<0.2
112901	Soil	11	28	0.42	99	0.039	<1	1.77	0.003	0.16	0.1	0.01	1.6	0.2	<0.05	4	0.6	<0.2
112902	Soil	26	23	0.54	193	0.066	<1	1.35	0.004	0.35	0.1	0.02	2.4	0.3	<0.05	4	<0.5	<0.2
112903	Soil	24	29	0.64	281	0.086	<1	1.46	0.004	0.47	<0.1	0.03	2.2	0.3	<0.05	5	<0.5	<0.2
112904	Soil	15	21	1.17	787	0.096	<1	1.95	0.006	0.47	<0.1	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
112905	Soil	8	24	0.80	113	0.054	<1	1.56	0.004	0.09	0.2	0.02	2.1	0.1	<0.05	5	0.7	<0.2
112906	Soil	14	25	0.57	270	0.045	<1	1.44	0.007	0.12	0.2	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
112907	Soil	15	21	0.49	303	0.034	<1	1.21	0.006	0.06	0.2	0.03	2.1	<0.1	<0.05	4	0.6	<0.2
112908	Soil	17	21	0.37	211	0.035	<1	1.03	0.005	0.04	0.2	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
112909	Soil	17	24	0.37	221	0.037	<1	1.28	0.005	0.04	0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
112910	Soil	15	23	0.39	198	0.044	<1	1.16	0.006	0.04	0.2	0.04	3.1	<0.1	<0.05	3	0.9	<0.2
112911	Soil	28	22	0.35	172	0.040	<1	1.08	0.004	0.10	0.1	0.07	2.7	0.2	<0.05	3	<0.5	<0.2
112912	Soil	46	21	0.37	170	0.062	<1	1.31	0.003	0.32	<0.1	0.03	2.4	0.4	<0.05	3	0.9	<0.2
112913	Soil	21	26	0.41	157	0.050	<1	1.44	0.005	0.12	0.1	0.03	2.5	0.1	<0.05	4	0.6	<0.2
112914	Soil	25	32	0.77	266	0.083	1	1.87	0.004	0.32	<0.1	0.03	3.4	0.3	<0.05	5	0.8	<0.2
112915	Soil	29	29	0.70	297	0.063	<1	1.63	0.004	0.30	<0.1	0.03	3.7	0.3	<0.05	5	1.0	<0.2
112916	Soil	12	20	0.33	121	0.026	1	1.12	0.004	0.03	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
112917	Soil	15	33	0.59	130	0.054	1	1.80	0.003	0.27	0.1	0.03	2.0	0.3	<0.05	5	0.8	<0.2
112918	Soil	27	25	0.51	316	0.058	<1	1.32	0.005	0.26	0.1	0.03	3.1	0.2	<0.05	4	0.9	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
112919	Soil	1.3	35.8	13.4	90	<0.1	30.0	10.9	315	2.98	26.3	2.0	3.7	9.9	17	0.1	0.7	0.2	42	0.21	0.063
112920	Soil	1.1	48.3	12.9	117	<0.1	37.3	11.5	272	3.12	10.2	2.1	3.0	11.9	26	<0.1	0.3	0.2	54	0.25	0.087
112921	Soil	1.2	29.2	12.7	64	<0.1	28.0	11.3	353	2.94	34.4	2.2	3.4	9.4	11	<0.1	0.8	0.2	40	0.15	0.050
112922	Soil	1.7	45.7	27.1	137	<0.1	48.9	16.2	313	4.21	22.8	1.6	1.9	9.7	73	0.2	0.5	0.3	88	0.16	0.083
112923	Soil	0.7	39.5	27.8	130	<0.1	33.7	12.5	479	3.01	16.4	1.7	2.1	11.7	90	0.2	0.5	0.2	45	0.29	0.069
112924	Soil	0.8	35.8	18.7	100	<0.1	30.0	10.9	331	3.10	11.1	1.4	3.7	10.5	12	0.2	0.4	0.2	47	0.21	0.068
112925	Soil	0.8	12.3	10.4	40	<0.1	12.2	4.7	138	2.06	9.9	0.7	4.4	2.7	9	<0.1	0.4	0.2	37	0.09	0.040
112926	Soil	1.3	11.9	12.5	49	<0.1	15.0	7.0	188	2.87	16.4	0.4	2.4	3.2	8	0.1	0.7	0.3	58	0.07	0.038
112927	Soil	1.0	9.5	12.0	53	0.2	15.3	7.3	205	2.81	10.2	0.5	2.1	3.6	9	0.1	0.5	0.3	54	0.09	0.043
112928	Soil	0.5	35.5	16.4	65	<0.1	28.9	14.0	268	3.41	15.0	0.9	1.8	13.4	5	<0.1	0.3	0.4	34	0.06	0.024
112929	Soil	0.6	21.0	8.2	54	<0.1	25.9	13.6	386	2.88	7.0	0.7	1.6	5.6	14	0.1	0.4	<0.1	59	0.21	0.056
112930	Soil	0.9	35.5	12.3	85	<0.1	31.0	14.9	436	3.33	15.5	1.2	2.4	8.6	9	0.1	0.4	0.2	49	0.13	0.045
112931	Soil	0.8	36.2	16.4	78	<0.1	33.3	16.0	343	3.93	10.7	1.0	2.1	11.0	6	<0.1	0.4	0.4	54	0.06	0.018
112932	Soil	0.7	22.8	12.6	57	<0.1	19.7	9.3	317	2.90	9.0	1.6	1.7	10.5	11	<0.1	0.5	0.2	46	0.12	0.017
112933	Soil	0.6	69.9	10.6	119	<0.1	55.0	27.2	873	4.97	15.2	1.0	<0.5	10.9	4	<0.1	0.5	0.2	51	0.07	0.033
112934	Soil	0.9	29.5	13.2	70	<0.1	23.6	11.1	342	3.17	16.2	1.4	1.4	7.7	13	0.1	0.4	0.3	45	0.17	0.038
112935	Soil	1.1	12.1	13.7	46	<0.1	11.4	4.9	277	2.15	23.8	2.0	1.1	18.8	12	0.1	1.7	0.3	24	0.09	0.019
112936	Soil	0.6	10.0	17.2	58	<0.1	10.3	7.3	372	2.21	9.9	1.9	<0.5	23.8	11	<0.1	1.6	0.2	28	0.17	0.051
112937	Soil	0.6	17.9	12.6	59	<0.1	15.3	8.9	352	2.32	11.9	2.6	3.7	18.1	16	<0.1	1.2	0.5	35	0.19	0.029
112938	Soil	0.7	40.9	28.2	68	<0.1	28.5	14.5	708	3.13	77.8	2.3	2.5	14.5	17	0.2	12.8	0.3	19	0.05	0.021
112939	Soil	0.7	17.1	13.6	53	<0.1	16.6	7.7	205	2.37	23.2	1.2	2.2	6.8	9	0.1	1.6	0.2	38	0.11	0.036
112940	Soil	0.7	15.3	14.3	53	<0.1	17.2	7.5	184	2.62	22.7	1.1	2.4	7.4	9	<0.1	1.4	0.2	41	0.12	0.036
112941	Soil	0.6	20.4	12.7	56	<0.1	18.8	9.5	302	2.37	29.7	1.6	4.3	8.0	11	0.1	1.7	0.2	36	0.14	0.038
112942	Soil	1.0	15.4	12.4	53	0.1	14.2	6.6	197	2.30	26.7	1.3	3.0	7.4	9	0.1	1.5	0.2	38	0.09	0.023
112943	Soil	0.8	18.0	11.5	52	0.2	15.6	6.5	220	2.18	24.1	1.7	2.5	4.9	10	0.2	1.3	0.2	40	0.11	0.033
112944	Soil	0.7	17.3	12.0	57	<0.1	19.8	8.1	233	2.45	22.7	1.1	3.6	5.6	10	<0.1	1.2	0.2	38	0.15	0.047
112945	Soil	1.2	15.5	13.8	62	<0.1	20.5	6.2	211	2.41	34.8	1.1	2.0	4.3	11	0.1	1.1	0.2	46	0.09	0.048
112946	Soil	0.9	21.5	10.9	71	0.2	21.6	8.3	241	2.50	27.3	1.9	3.3	6.7	11	<0.1	1.2	0.2	43	0.17	0.055
112947	Soil	0.4	24.6	9.8	83	0.4	27.1	7.2	867	1.78	19.9	1.1	2.2	4.9	24	0.4	0.7	0.2	42	2.74	0.108
112948	Soil	1.2	23.6	12.2	68	0.3	22.0	7.9	308	2.55	53.6	1.8	2.8	2.8	12	0.2	1.8	0.2	41	0.12	0.053



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
112919	Soil	32	25	0.52	233	0.071	<1	1.39	0.005	0.34	<0.1	0.02	2.6	0.2	<0.05	4	0.5
112920	Soil	32	34	0.89	274	0.114	<1	1.74	0.005	0.60	<0.1	<0.01	3.3	0.5	<0.05	5	1.0
112921	Soil	30	24	0.43	203	0.048	<1	1.42	0.004	0.21	0.1	0.02	3.2	0.2	<0.05	4	0.8
112922	Soil	12	52	0.95	213	0.112	<1	2.62	0.006	0.51	<0.1	0.01	3.9	0.4	<0.05	7	<0.5
112923	Soil	34	24	0.69	344	0.078	<1	1.75	0.005	0.57	<0.1	0.02	2.8	0.4	<0.05	5	0.8
112924	Soil	19	28	0.63	222	0.094	<1	1.68	0.004	0.50	<0.1	0.02	2.7	0.4	<0.05	4	1.1
112925	Soil	12	19	0.30	102	0.025	<1	1.12	0.004	0.04	0.2	0.04	1.6	<0.1	<0.05	4	0.8
112926	Soil	8	28	0.35	159	0.041	1	1.73	0.004	0.04	0.2	0.02	1.6	<0.1	<0.05	6	0.7
112927	Soil	6	36	0.49	128	0.059	<1	1.66	0.005	0.08	0.2	0.03	1.4	0.1	<0.05	6	1.4
112928	Soil	13	29	0.71	158	0.122	<1	2.20	0.004	0.46	<0.1	0.02	2.2	0.5	<0.05	6	0.7
112929	Soil	8	119	1.28	251	0.141	<1	2.27	0.008	0.40	0.2	0.01	1.8	0.2	<0.05	6	0.7
112930	Soil	25	38	0.86	133	0.136	<1	1.99	0.006	0.44	<0.1	0.01	2.5	0.4	<0.05	6	<0.5
112931	Soil	17	38	0.87	146	0.147	<1	2.73	0.006	0.48	<0.1	0.03	3.4	0.5	<0.05	8	<0.5
112932	Soil	48	31	0.60	169	0.096	<1	1.78	0.007	0.17	0.1	0.04	3.9	0.2	<0.05	6	<0.5
112933	Soil	23	41	1.28	175	0.201	<1	2.92	0.005	1.05	<0.1	0.01	3.7	0.7	<0.05	9	<0.5
112934	Soil	35	30	0.70	166	0.117	<1	1.89	0.006	0.30	<0.1	0.02	2.7	0.3	<0.05	7	<0.5
112935	Soil	25	15	0.24	150	0.021	2	0.98	0.004	0.05	0.2	0.08	2.2	0.1	<0.05	3	<0.5
112936	Soil	46	19	0.50	131	0.047	2	1.41	0.005	0.19	0.3	0.04	2.6	0.3	<0.05	5	<0.5
112937	Soil	49	25	0.55	183	0.062	1	1.50	0.006	0.14	0.5	0.07	4.2	0.3	<0.05	5	<0.5
112938	Soil	31	14	0.17	105	0.010	3	0.74	0.002	0.09	0.3	0.47	3.0	0.3	<0.05	2	<0.5
112939	Soil	16	24	0.34	116	0.035	1	1.39	0.005	0.06	0.2	0.04	2.0	0.1	<0.05	4	<0.5
112940	Soil	16	27	0.36	114	0.044	2	1.55	0.005	0.07	0.1	0.03	2.4	0.2	<0.05	5	<0.5
112941	Soil	24	25	0.38	142	0.050	1	1.29	0.005	0.10	0.1	0.03	2.7	0.2	<0.05	4	<0.5
112942	Soil	17	21	0.31	119	0.032	2	1.26	0.005	0.06	0.1	0.07	2.3	0.2	<0.05	5	<0.5
112943	Soil	25	23	0.30	148	0.035	1	1.20	0.005	0.07	0.1	0.07	2.3	0.2	<0.05	4	<0.5
112944	Soil	17	25	0.39	124	0.046	1	1.32	0.005	0.08	0.2	0.05	2.4	0.2	<0.05	4	<0.5
112945	Soil	17	36	0.25	102	0.035	3	1.06	0.004	0.08	0.2	0.03	2.5	0.2	<0.05	5	<0.5
112946	Soil	24	25	0.45	153	0.054	2	1.34	0.005	0.14	0.2	0.06	2.8	0.2	<0.05	5	<0.5
112947	Soil	30	26	2.66	802	0.068	2	1.72	0.006	0.12	0.2	0.05	4.1	0.3	<0.05	5	<0.5
112948	Soil	32	27	0.27	145	0.028	2	1.05	0.004	0.09	0.2	0.06	2.6	0.3	<0.05	4	0.7



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
112949	Soil	0.5	34.7	10.0	88	0.3	32.6	9.6	659	2.24	30.9	1.1	1.8	4.5	20	0.4	1.0	0.1	48	1.62	0.097
112950	Soil	0.5	31.9	11.8	99	0.3	32.5	10.6	1140	2.41	24.9	2.3	4.5	5.5	19	0.4	1.0	0.2	44	1.21	0.097
112951	Soil	1.1	19.1	13.5	69	0.2	19.6	13.3	615	2.57	52.1	1.4	1.6	6.5	14	0.2	1.4	0.2	38	0.17	0.051
112952	Soil	0.4	37.0	11.6	102	0.3	36.5	10.4	516	2.51	29.3	4.5	2.6	6.1	18	0.5	1.0	0.2	48	0.94	0.087
112953	Soil	0.3	32.5	11.1	94	0.2	30.2	10.5	180	2.74	25.5	4.0	6.0	6.0	20	0.3	0.9	0.2	48	0.92	0.082
112954	Soil	1.0	24.7	14.1	84	<0.1	26.0	11.5	360	3.01	55.7	1.8	2.0	9.8	11	0.1	1.4	0.2	36	0.15	0.050
112955	Soil	0.9	26.6	12.6	76	0.1	25.0	10.9	289	3.02	40.1	1.5	2.5	7.0	11	<0.1	1.0	0.2	43	0.13	0.045
112956	Soil	0.3	30.8	10.1	82	0.2	26.1	9.6	238	2.41	13.4	1.9	3.6	3.2	23	0.4	0.8	0.2	41	1.25	0.078
122957	Soil	0.6	41.0	10.5	114	0.2	38.0	9.2	429	2.93	42.8	1.4	0.9	9.6	13	0.3	0.8	0.2	58	0.38	0.095
110682	Soil	3.3	50.4	15.3	96	<0.1	40.9	17.4	440	4.34	4.3	1.5	2.3	12.1	8	<0.1	0.2	0.5	45	0.09	0.030
110683	Soil	0.9	51.7	12.2	116	<0.1	57.3	24.8	747	5.11	4.0	2.2	0.8	20.0	8	<0.1	0.2	0.7	57	0.12	0.043
110684	Soil	1.8	59.3	17.6	121	<0.1	50.5	24.0	665	5.35	2.7	1.5	<0.5	17.1	5	<0.1	0.2	0.4	46	0.09	0.037
110685	Soil	1.6	24.5	15.4	66	0.2	19.7	10.7	515	2.80	22.0	0.8	1.6	5.8	13	0.1	0.3	0.3	47	0.14	0.035
110686	Soil	2.5	53.8	16.4	181	0.2	35.1	9.1	324	2.97	184.9	1.4	12.0	5.9	9	0.2	0.9	0.4	49	0.07	0.034
110687	Soil	2.2	48.9	14.0	72	0.1	30.9	10.3	224	3.04	49.3	1.5	4.6	5.5	12	0.2	0.8	0.3	64	0.09	0.028
110688	Soil	0.2	34.3	1.2	22	<0.1	87.2	14.6	178	1.95	0.9	0.1	0.8	0.2	40	<0.1	<0.1	<0.1	42	0.88	0.063
110689	Soil	0.3	33.5	3.0	20	<0.1	36.0	9.5	114	1.35	3.1	0.2	<0.5	1.0	29	<0.1	0.1	<0.1	29	0.48	0.012
110690	Soil	0.5	25.2	5.5	28	<0.1	29.7	9.1	157	1.59	5.9	0.4	1.2	1.8	29	<0.1	0.4	0.1	30	0.29	0.020
110691	Soil	0.3	61.5	3.1	42	<0.1	37.1	15.2	239	2.10	2.5	0.3	0.9	1.0	24	<0.1	0.3	<0.1	60	0.46	0.038
110692	Soil	0.7	16.1	16.4	68	<0.1	16.1	8.6	377	2.57	6.3	2.4	1.8	12.2	14	<0.1	0.4	0.9	39	0.14	0.039
110693	Soil	1.2	16.9	13.4	55	<0.1	17.5	9.1	274	3.27	12.7	1.0	2.9	8.2	9	<0.1	0.8	0.3	48	0.07	0.056
110694	Soil	0.7	11.2	11.3	47	<0.1	13.1	6.1	187	2.28	7.9	1.3	4.9	8.0	8	<0.1	0.4	0.3	39	0.09	0.029
110695	Soil	0.7	23.4	10.1	78	<0.1	21.2	11.6	442	3.04	10.5	2.4	2.4	9.0	15	<0.1	0.5	0.2	41	0.13	0.028
110696	Soil	0.4	29.3	19.4	143	<0.1	34.1	17.0	648	4.04	8.1	1.4	1.6	14.1	19	0.2	0.2	0.2	35	0.25	0.083
110697	Soil	0.7	30.7	60.0	316	<0.1	26.5	13.6	381	3.55	11.9	1.6	1.2	15.2	20	0.3	0.2	0.2	26	0.21	0.064
110698	Soil	0.5	17.1	10.0	89	<0.1	18.0	11.1	463	3.14	7.9	1.4	1.5	15.6	14	0.1	0.2	0.1	36	0.17	0.055
110699	Soil	0.5	10.1	10.2	71	<0.1	10.7	8.1	342	2.10	5.4	1.8	<0.5	19.7	14	0.1	0.2	0.2	25	0.18	0.061
110700	Soil	0.3	85.5	3.6	80	<0.1	63.2	25.8	544	3.77	6.5	1.2	1.2	1.4	36	<0.1	0.2	0.1	94	0.46	0.060
110701	Soil	0.9	37.7	11.3	81	<0.1	33.3	14.4	431	3.00	7.4	1.7	1.2	10.8	11	<0.1	0.3	0.2	55	0.22	0.073
110702	Soil	0.9	19.7	11.6	61	<0.1	18.6	8.1	286	2.55	9.5	1.5	4.7	9.8	12	0.1	0.5	0.2	42	0.13	0.045



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112949	Soil	21	34	1.68	396	0.071	1	1.50	0.010	0.08	0.3	0.06	4.3	0.2	<0.05	4	<0.5	<0.2
112950	Soil	36	27	1.09	724	0.059	2	1.41	0.009	0.09	0.2	0.08	3.7	0.2	<0.05	4	0.6	<0.2
112951	Soil	26	23	0.30	147	0.038	1	1.09	0.005	0.09	0.1	0.06	2.3	0.3	<0.05	4	<0.5	<0.2
112952	Soil	37	29	0.83	589	0.064	2	1.40	0.008	0.14	0.3	0.10	4.0	0.2	<0.05	4	<0.5	<0.2
112953	Soil	30	28	0.76	432	0.067	1	1.41	0.010	0.14	0.3	0.07	4.0	0.2	0.05	4	0.7	<0.2
112954	Soil	33	27	0.49	131	0.084	<1	1.27	0.005	0.36	<0.1	0.04	2.7	0.4	<0.05	5	<0.5	<0.2
112955	Soil	27	30	0.53	158	0.092	1	1.57	0.006	0.27	0.1	0.04	2.7	0.3	<0.05	5	<0.5	<0.2
112956	Soil	21	27	0.70	497	0.050	2	1.19	0.009	0.07	0.2	0.07	3.3	0.1	0.08	3	0.6	<0.2
122957	Soil	46	42	1.36	527	0.117	1	1.91	0.008	0.48	0.1	0.03	4.9	0.4	<0.05	6	<0.5	<0.2
110682	Soil	25	32	0.69	111	0.136	<1	1.71	0.005	0.61	<0.1	0.02	3.1	0.5	<0.05	6	<0.5	<0.2
110683	Soil	59	48	1.19	139	0.173	<1	2.72	0.006	0.87	<0.1	0.01	5.4	0.7	<0.05	8	<0.5	<0.2
110684	Soil	17	44	1.09	111	0.137	<1	2.63	0.005	0.84	<0.1	0.01	4.4	0.6	<0.05	8	0.6	<0.2
110685	Soil	13	28	0.52	266	0.067	<1	1.47	0.004	0.26	<0.1	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
110686	Soil	13	29	0.74	243	0.081	<1	1.57	0.004	0.25	<0.1	0.01	1.8	0.3	<0.05	5	0.5	<0.2
110687	Soil	14	36	0.58	217	0.059	1	1.99	0.006	0.08	0.1	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
110688	Soil	2	136	1.60	113	0.099	<1	2.40	0.017	0.15	<0.1	<0.01	4.1	0.3	<0.05	5	<0.5	<0.2
110689	Soil	8	68	0.73	164	0.080	<1	1.91	0.035	0.05	<0.1	0.02	2.1	0.1	<0.05	3	<0.5	<0.2
110690	Soil	7	55	0.59	166	0.042	<1	1.70	0.024	0.04	<0.1	0.02	1.6	0.1	<0.05	3	<0.5	<0.2
110691	Soil	4	52	0.68	261	0.084	<1	1.67	0.048	0.19	<0.1	<0.01	3.1	0.3	<0.05	4	<0.5	<0.2
110692	Soil	49	29	0.65	197	0.108	<1	1.55	0.007	0.37	0.1	0.02	2.8	0.4	<0.05	5	0.6	<0.2
110693	Soil	13	36	0.46	131	0.056	<1	2.59	0.006	0.06	0.2	0.05	2.5	0.1	<0.05	5	<0.5	<0.2
110694	Soil	21	23	0.44	123	0.057	<1	1.35	0.006	0.09	0.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
110695	Soil	41	33	0.72	276	0.100	<1	1.69	0.008	0.28	<0.1	0.03	3.5	0.3	<0.05	5	<0.5	<0.2
110696	Soil	53	54	1.12	352	0.234	<1	2.25	0.007	1.16	<0.1	<0.01	1.9	0.8	<0.05	6	<0.5	<0.2
110697	Soil	45	28	0.93	376	0.179	<1	1.90	0.009	1.06	<0.1	<0.01	1.4	0.7	<0.05	5	<0.5	<0.2
110698	Soil	54	36	0.87	202	0.142	<1	1.91	0.006	0.79	<0.1	<0.01	1.8	0.5	<0.05	6	<0.5	<0.2
110699	Soil	49	25	0.63	128	0.092	<1	1.22	0.005	0.50	<0.1	<0.01	1.6	0.5	<0.05	4	<0.5	<0.2
110700	Soil	8	104	1.10	306	0.089	<1	1.62	0.026	0.23	<0.1	<0.01	7.2	0.2	<0.05	6	<0.5	<0.2
110701	Soil	41	48	0.69	144	0.092	<1	1.60	0.012	0.39	<0.1	<0.01	2.3	0.3	<0.05	6	0.6	<0.2
110702	Soil	29	26	0.49	151	0.058	1	1.52	0.006	0.11	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
110703	Soil	0.5	14.2	10.4	65	<0.1	19.5	8.6	352	2.22	4.0	1.3	0.6	10.8	14	<0.1	0.3	0.2	35	0.20	0.050
110704	Soil	1.0	38.1	9.7	54	<0.1	27.9	10.9	329	2.66	10.5	1.2	5.1	4.9	12	<0.1	0.6	0.2	51	0.14	0.022
110705	Soil	0.5	34.4	5.5	41	<0.1	55.2	9.9	219	1.79	4.8	0.5	1.4	2.2	11	<0.1	0.3	0.1	37	0.10	0.012
110706	Soil	0.5	43.3	6.7	37	<0.1	26.6	12.0	241	1.96	5.6	0.8	2.8	2.4	26	<0.1	0.4	0.1	44	0.23	0.019
110707	Soil	0.4	76.2	4.6	22	<0.1	18.1	7.3	109	1.49	3.6	0.3	3.0	0.4	39	<0.1	0.2	<0.1	34	0.22	0.051
101803	Soil	0.9	16.5	15.7	44	<0.1	16.0	6.9	188	2.94	10.6	0.8	3.5	7.1	9	<0.1	0.7	0.3	51	0.07	0.024
101804	Soil	1.0	18.0	13.3	63	<0.1	19.3	9.4	266	3.20	9.2	0.9	2.1	6.8	7	<0.1	0.5	0.3	46	0.06	0.025
101805	Soil	0.5	36.8	27.8	95	<0.1	32.4	15.5	409	3.88	5.4	1.9	2.7	21.3	9	<0.1	0.3	0.3	36	0.10	0.036
101806	Soil	0.4	39.0	24.4	103	<0.1	36.9	17.7	557	4.14	2.9	2.0	1.3	25.3	13	<0.1	0.3	0.4	37	0.18	0.072
101807	Soil	0.7	21.9	16.7	73	<0.1	23.7	11.2	307	3.27	5.3	1.1	0.9	11.8	7	<0.1	0.3	0.3	36	0.08	0.036
101808	Soil	0.9	19.5	14.3	63	<0.1	20.1	8.5	205	2.91	6.0	1.2	2.1	9.6	10	<0.1	0.4	0.3	40	0.09	0.026
101809	Soil	0.5	26.4	13.8	82	<0.1	28.6	12.5	369	3.25	4.4	1.4	2.4	14.0	15	<0.1	0.4	0.3	35	0.17	0.044
101810	Soil	0.6	25.7	13.4	83	<0.1	27.1	12.3	332	3.24	5.0	1.1	8.3	12.6	10	<0.1	0.3	0.3	35	0.14	0.051
101811	Soil	0.7	25.5	14.7	78	<0.1	27.0	12.2	314	3.22	4.6	1.1	1.4	12.2	8	<0.1	0.3	0.3	33	0.12	0.046
101812	Soil	0.8	28.5	16.4	73	0.1	24.6	10.1	244	3.06	5.9	1.7	7.1	10.2	12	<0.1	0.4	0.3	39	0.10	0.028
101813	Soil	1.0	25.0	16.9	73	<0.1	25.7	12.5	349	3.38	6.5	0.8	1.2	8.5	7	<0.1	0.4	0.3	39	0.07	0.038
101814	Soil	0.7	29.2	13.2	68	<0.1	25.7	13.1	398	3.03	5.8	1.4	3.1	10.5	8	<0.1	0.4	0.3	36	0.06	0.020
101815	Soil	0.6	42.2	15.4	92	<0.1	36.1	18.8	573	3.76	4.7	1.5	2.2	15.1	8	<0.1	0.3	0.4	39	0.08	0.031
101816	Soil	1.1	25.3	12.2	62	<0.1	19.7	9.6	345	2.67	7.9	1.7	3.0	8.6	8	<0.1	0.4	0.3	38	0.06	0.021
101817	Soil	1.1	30.6	12.4	65	<0.1	23.0	10.3	353	2.64	9.1	1.7	4.0	6.8	9	<0.1	0.4	0.3	35	0.07	0.027
101818	Soil	1.1	26.7	14.0	64	<0.1	23.0	11.4	421	2.72	8.6	1.3	1.9	8.4	9	<0.1	0.4	0.3	36	0.08	0.041
101819	Soil	1.0	29.6	13.7	65	<0.1	20.4	8.9	245	2.39	8.2	1.7	6.7	7.2	10	0.1	0.5	0.2	36	0.07	0.019
101820	Soil	1.1	21.4	11.9	59	<0.1	19.5	9.0	214	2.80	10.6	1.2	4.5	7.4	9	<0.1	0.6	0.3	45	0.08	0.023
101821	Soil	1.3	73.8	13.4	125	<0.1	51.1	22.7	348	4.90	7.6	1.3	<0.5	8.5	6	<0.1	0.4	0.3	54	0.07	0.033
101822	Soil	1.1	21.0	11.8	59	<0.1	21.5	9.2	310	3.34	10.9	1.0	1.0	5.8	9	<0.1	0.6	0.3	53	0.09	0.041
101823	Soil	1.3	30.3	9.2	89	<0.1	38.6	17.6	288	5.04	7.0	0.9	0.6	5.7	4	<0.1	0.4	0.4	53	0.05	0.060
101824	Soil	0.5	48.5	16.5	114	<0.1	38.2	21.5	402	4.36	3.1	2.1	0.7	18.2	5	<0.1	0.2	0.3	36	0.11	0.049
101825	Soil	1.2	20.0	12.2	53	<0.1	20.7	9.1	239	3.08	10.6	1.0	2.2	8.1	10	<0.1	0.7	0.3	60	0.09	0.026
101826	Soil	0.9	13.5	13.5	46	<0.1	17.3	7.4	175	3.04	8.3	0.7	1.1	6.0	10	<0.1	0.5	0.2	63	0.08	0.028
101827	Soil	1.2	28.0	11.9	65	<0.1	26.5	10.4	280	3.13	8.5	1.2	0.9	6.1	9	<0.1	0.5	0.3	51	0.08	0.026



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
110703	Soil	48	30	0.65	125	0.105	<1	1.43	0.009	0.41	<0.1	0.01	1.4	0.4	<0.05	4	<0.5
110704	Soil	15	42	0.55	226	0.055	<1	1.61	0.009	0.04	0.1	0.04	3.9	0.1	<0.05	4	0.5
110705	Soil	7	63	0.66	120	0.057	<1	1.25	0.007	0.04	<0.1	0.02	1.7	0.1	<0.05	3	<0.5
110706	Soil	9	34	0.52	135	0.060	<1	1.52	0.011	0.03	<0.1	0.03	3.8	<0.1	<0.05	3	0.5
110707	Soil	5	27	0.38	116	0.037	<1	1.18	0.012	0.03	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5
101803	Soil	26	26	0.39	122	0.059	<1	1.55	0.005	0.06	0.1	0.03	2.1	0.1	<0.05	6	<0.5
101804	Soil	14	28	0.52	94	0.078	<1	1.64	0.005	0.20	0.2	0.02	2.2	0.2	<0.05	5	0.6
101805	Soil	60	33	0.88	202	0.172	<1	2.22	0.005	0.75	<0.1	0.02	3.4	0.6	<0.05	6	<0.5
101806	Soil	50	36	0.95	199	0.178	<1	2.30	0.006	0.92	<0.1	0.02	3.9	0.7	<0.05	7	<0.5
101807	Soil	14	26	0.61	101	0.109	<1	1.58	0.004	0.39	0.1	0.01	2.3	0.4	<0.05	5	<0.5
101808	Soil	21	27	0.54	118	0.099	<1	1.54	0.005	0.27	<0.1	0.02	2.4	0.3	<0.05	5	<0.5
101809	Soil	41	32	0.76	257	0.142	<1	1.76	0.006	0.57	<0.1	0.02	3.3	0.4	<0.05	5	<0.5
101810	Soil	25	29	0.67	168	0.132	<1	1.63	0.005	0.52	0.1	0.02	2.9	0.5	<0.05	5	<0.5
101811	Soil	32	30	0.67	166	0.126	<1	1.70	0.005	0.50	0.1	0.03	2.8	0.4	<0.05	5	<0.5
101812	Soil	36	27	0.59	179	0.113	<1	1.67	0.005	0.30	0.1	0.03	3.2	0.3	<0.05	5	<0.5
101813	Soil	15	29	0.64	101	0.104	<1	1.75	0.005	0.31	0.1	<0.01	2.4	0.3	<0.05	5	<0.5
101814	Soil	25	28	0.56	116	0.086	<1	1.50	0.004	0.30	<0.1	0.03	3.0	0.3	<0.05	5	<0.5
101815	Soil	24	32	0.81	122	0.155	<1	1.97	0.005	0.70	<0.1	0.02	3.4	0.5	<0.05	6	<0.5
101816	Soil	27	25	0.47	104	0.061	<1	1.37	0.005	0.12	<0.1	0.05	2.6	0.2	<0.05	4	<0.5
101817	Soil	30	24	0.53	109	0.058	<1	1.34	0.005	0.16	0.1	0.03	2.5	0.2	<0.05	4	<0.5
101818	Soil	24	23	0.46	107	0.056	<1	1.29	0.004	0.17	0.1	0.03	2.8	0.2	<0.05	4	0.6
101819	Soil	28	23	0.43	151	0.043	<1	1.31	0.006	0.07	0.1	0.04	3.0	0.1	<0.05	4	<0.5
101820	Soil	23	29	0.50	141	0.064	<1	1.66	0.007	0.12	0.2	0.03	3.1	0.2	<0.05	5	<0.5
101821	Soil	16	41	1.03	151	0.143	1	2.87	0.005	0.61	0.1	<0.01	3.7	0.5	<0.05	8	<0.5
101822	Soil	33	27	0.47	104	0.061	2	1.57	0.005	0.13	0.1	0.02	2.7	0.2	<0.05	6	<0.5
101823	Soil	8	31	0.83	67	0.132	2	2.08	0.003	0.33	0.1	<0.01	2.7	0.4	<0.05	7	<0.5
101824	Soil	30	36	1.03	176	0.183	2	2.49	0.005	0.83	<0.1	0.02	3.1	0.6	<0.05	7	<0.5
101825	Soil	17	33	0.50	150	0.072	2	2.02	0.006	0.08	0.2	0.02	3.2	0.2	<0.05	6	<0.5
101826	Soil	14	27	0.40	100	0.108	2	1.52	0.005	0.16	0.1	0.02	1.7	0.2	<0.05	7	<0.5
101827	Soil	16	28	0.38	120	0.053	<1	1.42	0.005	0.09	0.1	0.02	2.4	0.2	<0.05	5	<0.5



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
101828	Soil	0.9	27.3	12.9	75	<0.1	29.2	13.4	310	3.37	6.7	1.3	1.5	9.7	10	<0.1	0.5	0.3	48	0.08	0.017
101829	Soil	1.0	41.0	10.9	68	<0.1	31.4	12.4	411	2.94	9.9	1.4	3.2	9.2	13	<0.1	0.8	0.2	44	0.10	0.019
101830	Soil	1.6	31.8	11.4	75	0.2	28.9	11.1	364	3.03	8.5	2.1	2.9	11.6	15	0.1	0.4	0.2	33	0.14	0.044
101831	Soil	0.7	20.5	10.3	50	0.2	18.0	7.4	198	2.23	7.8	1.3	1.1	4.7	15	<0.1	0.3	0.2	37	0.17	0.042
101832	Soil	0.8	22.3	10.4	56	0.1	22.0	10.3	413	2.52	7.3	1.3	2.5	6.8	20	<0.1	0.4	0.2	42	0.27	0.037
101833	Soil	1.0	26.1	14.5	78	<0.1	30.8	14.1	352	3.76	6.5	0.9	<0.5	9.0	7	<0.1	0.3	0.3	45	0.06	0.028
101834	Soil	0.8	22.0	11.6	59	<0.1	22.8	10.5	308	2.89	8.3	1.2	1.8	9.3	12	<0.1	0.5	0.2	45	0.17	0.048
101835	Soil	1.4	19.2	16.5	66	<0.1	22.7	11.4	341	3.62	9.0	1.0	1.0	9.5	9	0.1	0.5	0.3	52	0.09	0.050
114305	Soil	0.6	8.9	11.5	76	<0.1	16.0	10.4	370	2.99	5.3	1.5	<0.5	10.7	12	<0.1	0.3	0.2	41	0.14	0.032
146334	Soil	0.5	13.5	2.7	50	<0.1	3.7	7.6	589	3.54	2.8	0.4	<0.5	2.5	4	<0.1	0.2	<0.1	54	0.18	0.069
146335	Soil	1.9	20.2	6.2	63	<0.1	8.0	29.2	763	2.48	1.0	0.8	3.0	3.4	11	<0.1	0.4	<0.1	27	0.28	0.063
146226	Soil	0.9	23.3	10.9	65	0.1	21.5	8.2	207	2.47	11.7	1.0	3.3	3.1	15	0.1	0.6	0.2	46	0.17	0.050
146227	Soil	1.5	39.7	22.5	138	<0.1	31.7	9.6	271	2.69	6.2	3.2	1.6	13.1	19	0.2	0.3	0.2	36	0.21	0.078
146228	Soil	1.1	30.4	14.1	96	0.1	31.1	11.0	351	2.69	9.5	2.3	3.2	9.1	11	<0.1	0.4	0.2	43	0.16	0.047
146229	Soil	1.1	21.9	11.5	71	0.2	27.9	14.3	299	3.20	9.6	1.3	2.2	9.2	11	0.2	0.5	0.2	50	0.10	0.031
146230	Soil	0.8	28.5	12.8	70	<0.1	28.8	11.0	372	2.53	15.9	1.7	2.6	9.2	15	0.1	0.3	0.2	38	0.21	0.059
146231	Soil	1.1	28.1	14.5	75	<0.1	27.7	8.2	215	2.22	7.7	1.9	3.1	8.8	10	0.2	0.3	0.1	38	0.20	0.065
146232	Soil	0.7	36.5	14.5	89	0.1	32.9	9.1	394	2.73	3.3	2.3	2.7	10.7	14	<0.1	0.2	0.2	47	0.27	0.060
146233	Soil	0.7	39.5	13.9	96	0.1	41.5	12.7	415	2.94	6.7	1.9	2.1	11.2	15	0.1	0.2	0.2	49	0.28	0.072
146234	Soil	1.2	54.3	19.5	147	<0.1	50.8	18.7	664	3.70	5.4	2.5	4.2	14.5	10	0.2	0.2	0.3	58	0.31	0.124
146235	Soil	1.5	29.3	25.1	88	<0.1	26.9	12.2	623	2.91	44.6	2.3	2.0	16.2	8	0.1	0.5	0.3	35	0.16	0.068
146236	Soil	1.0	37.2	23.0	131	<0.1	40.5	11.3	353	3.10	20.1	1.8	1.2	12.7	8	0.2	0.3	0.2	47	0.24	0.093
146237	Soil	1.6	15.7	24.5	70	<0.1	14.7	6.7	383	2.08	6.5	2.0	0.9	13.4	8	0.1	0.3	0.3	32	0.11	0.026
146238	Soil	1.2	30.5	25.9	87	<0.1	38.2	11.2	289	3.56	6.7	1.7	0.9	9.6	6	0.2	0.3	0.3	58	0.14	0.078
146239	Soil	0.6	34.8	21.8	99	<0.1	36.1	10.4	297	2.80	5.5	1.8	1.1	13.6	8	0.2	0.2	0.2	42	0.23	0.094
146240	Soil	0.7	34.5	21.8	99	<0.1	34.8	10.4	289	2.76	5.5	1.9	1.0	12.8	8	0.2	0.2	0.2	43	0.24	0.093
146241	Soil	2.2	31.6	26.4	94	0.2	31.1	10.0	220	2.61	5.8	1.8	1.5	10.7	21	0.3	0.4	0.2	42	0.11	0.087
146242	Soil	2.2	32.0	13.7	74	<0.1	29.2	9.9	351	2.11	5.2	1.6	6.1	9.7	5	0.2	0.3	0.2	43	0.12	0.046
146243	Soil	1.5	29.7	17.8	98	<0.1	29.0	7.7	261	2.55	6.2	1.3	1.7	8.5	6	0.2	0.4	0.2	44	0.08	0.057
146244	Soil	1.2	42.6	14.5	129	<0.1	41.6	13.9	340	3.19	2.3	1.9	2.6	14.4	11	<0.1	0.1	0.2	45	0.28	0.083



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
101828	Soil	21	35	0.59	174	0.098	1	1.91	0.007	0.17	0.1	0.03	4.1	0.3	<0.05	5	<0.5	<0.2
101829	Soil	33	31	0.46	214	0.064	1	1.44	0.007	0.08	0.1	0.06	4.8	0.2	<0.05	4	<0.5	<0.2
101830	Soil	41	35	0.42	182	0.052	<1	1.16	0.005	0.17	0.1	0.03	3.2	0.4	<0.05	4	<0.5	<0.2
101831	Soil	26	23	0.40	159	0.056	1	1.22	0.006	0.09	0.2	0.03	2.4	0.2	<0.05	4	<0.5	<0.2
101832	Soil	27	26	0.49	167	0.071	2	1.37	0.007	0.12	0.1	0.04	2.7	0.2	<0.05	5	<0.5	<0.2
101833	Soil	14	32	0.69	99	0.128	1	2.01	0.005	0.41	0.1	0.01	2.7	0.4	<0.05	6	<0.5	<0.2
101834	Soil	33	29	0.54	145	0.072	2	1.53	0.005	0.14	0.2	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
101835	Soil	15	31	0.54	134	0.081	<1	2.01	0.005	0.21	0.1	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
114305	Soil	30	32	0.84	210	0.147	<1	2.40	0.006	0.46	0.2	0.01	2.0	0.5	<0.05	7	<0.5	<0.2
146334	Soil	6	5	1.55	257	0.271	<1	2.59	0.007	0.92	0.1	<0.01	11.6	0.5	<0.05	9	<0.5	<0.2
146335	Soil	19	8	1.17	413	0.104	1	1.83	0.014	0.80	0.1	<0.01	5.5	0.4	<0.05	5	<0.5	<0.2
146226	Soil	19	25	0.40	244	0.046	2	1.32	0.006	0.06	0.2	0.04	2.5	0.1	<0.05	4	<0.5	<0.2
146227	Soil	45	24	0.50	338	0.094	<1	1.20	0.004	0.46	<0.1	0.02	2.1	0.4	0.06	3	<0.5	<0.2
146228	Soil	44	28	0.54	200	0.054	<1	1.62	0.005	0.27	<0.1	0.03	3.3	0.3	<0.05	5	0.7	<0.2
146229	Soil	16	40	0.61	194	0.104	1	2.38	0.009	0.26	0.1	0.03	3.0	0.3	<0.05	6	<0.5	<0.2
146230	Soil	29	30	0.54	197	0.057	<1	1.49	0.005	0.23	<0.1	0.03	3.1	0.3	<0.05	4	<0.5	<0.2
146231	Soil	30	24	0.37	172	0.053	<1	1.13	0.003	0.25	<0.1	<0.01	2.0	0.3	<0.05	3	<0.5	<0.2
146232	Soil	43	34	0.71	289	0.078	<1	1.78	0.003	0.51	<0.1	0.03	3.9	0.4	<0.05	5	0.6	<0.2
146233	Soil	31	53	0.69	265	0.052	<1	1.70	0.005	0.39	<0.1	0.01	4.8	0.4	<0.05	5	<0.5	<0.2
146234	Soil	29	38	0.62	288	0.080	<1	2.03	0.005	0.54	<0.1	0.02	4.7	0.6	<0.05	7	0.7	<0.2
146235	Soil	45	22	0.41	139	0.052	<1	1.53	0.004	0.32	<0.1	0.01	2.5	0.6	<0.05	5	<0.5	<0.2
146236	Soil	22	28	0.62	242	0.100	<1	1.58	0.003	0.54	<0.1	<0.01	2.2	0.4	<0.05	5	0.7	<0.2
146237	Soil	38	19	0.54	140	0.076	<1	1.45	0.005	0.32	<0.1	0.01	2.5	0.4	<0.05	5	<0.5	<0.2
146238	Soil	14	31	0.46	160	0.072	1	1.93	0.004	0.45	<0.1	<0.01	2.0	0.4	<0.05	5	0.9	<0.2
146239	Soil	34	26	0.59	139	0.079	<1	1.42	0.002	0.50	<0.1	<0.01	1.7	0.4	<0.05	4	<0.5	<0.2
146240	Soil	36	26	0.59	145	0.083	<1	1.44	0.003	0.48	<0.1	<0.01	1.7	0.3	<0.05	4	<0.5	<0.2
146241	Soil	29	26	0.24	145	0.021	<1	1.35	0.004	0.19	<0.1	0.01	1.6	0.4	0.08	4	0.8	<0.2
146242	Soil	23	25	0.43	80	0.043	<1	1.17	0.002	0.22	<0.1	<0.01	1.6	0.2	<0.05	3	1.0	<0.2
146243	Soil	6	28	0.39	96	0.051	<1	1.30	0.003	0.34	<0.1	<0.01	1.5	0.3	<0.05	4	<0.5	<0.2
146244	Soil	39	30	0.58	183	0.092	<1	1.49	0.004	0.43	<0.1	<0.01	2.1	0.3	<0.05	5	0.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
146245	Soil	0.7	27.6	9.8	72	0.1	26.0	6.9	249	2.20	1.6	1.6	1.6	11.3	6	<0.1	<0.1	0.2	41	0.22	0.064
146246	Soil	1.1	23.1	10.1	60	0.2	21.7	8.0	218	1.99	6.1	1.5	1.4	6.2	17	0.2	0.4	0.2	37	0.28	0.066
146247	Soil	1.0	19.6	10.8	63	0.2	18.4	5.8	165	1.94	6.2	1.2	1.7	2.8	11	0.2	0.3	0.2	36	0.14	0.053
146248	Soil	0.6	18.1	8.7	55	0.1	15.9	5.8	138	1.74	6.8	0.8	7.0	2.2	15	0.1	0.5	0.1	33	0.20	0.069
146249	Soil	1.0	24.3	12.5	67	0.2	21.3	7.0	217	2.29	8.7	1.4	3.4	3.8	9	0.2	0.3	0.2	43	0.13	0.064
146250	Soil	1.3	24.1	15.0	60	0.4	21.9	5.9	204	2.13	10.5	1.3	1.7	2.2	9	0.2	0.4	0.2	42	0.11	0.060
146251	Soil	1.0	37.0	17.6	97	0.3	28.8	8.9	381	2.73	4.7	1.6	4.3	11.3	14	0.2	0.1	0.2	49	0.30	0.084
146252	Soil	1.3	35.2	13.7	76	0.1	29.9	8.8	261	2.36	4.3	2.1	3.1	11.9	13	0.2	0.2	0.2	44	0.25	0.079
146253	Soil	1.0	35.3	10.5	64	<0.1	24.2	9.3	359	2.33	9.3	1.6	2.9	7.3	13	<0.1	0.4	0.2	47	0.19	0.061
146254	Soil	1.2	28.8	14.6	76	<0.1	27.5	8.8	323	2.32	10.0	1.9	2.6	8.3	14	<0.1	0.4	0.1	42	0.16	0.048
146255	Soil	0.8	21.3	11.3	52	<0.1	18.9	8.3	264	2.35	10.6	1.3	2.9	5.8	12	<0.1	0.5	0.2	46	0.10	0.029
146256	Soil	1.2	41.9	19.6	97	<0.1	33.2	10.5	333	2.70	6.0	2.5	3.7	13.2	13	0.1	0.3	0.2	39	0.24	0.077
146257	Soil	1.0	28.2	14.4	67	<0.1	26.4	7.2	244	1.70	7.4	1.7	3.0	8.1	10	0.1	0.2	0.1	39	0.21	0.063
146258	Soil	1.1	23.4	12.4	69	<0.1	23.8	8.8	295	2.24	9.3	1.5	2.3	6.5	12	0.2	0.6	0.1	39	0.14	0.047
146259	Soil	1.2	27.0	14.8	93	0.1	24.8	11.7	596	2.26	7.1	1.9	2.5	9.4	6	0.3	0.3	0.2	33	0.11	0.077
146260	Soil	1.4	44.1	46.6	301	<0.1	39.0	14.0	489	3.15	14.0	2.0	2.4	16.2	12	0.4	0.3	0.3	42	0.13	0.080
146261	Soil	1.2	31.4	14.8	94	0.2	25.6	5.8	227	2.69	6.7	3.4	1.7	10.8	28	<0.1	0.4	0.2	35	0.19	0.047
146262	Soil	0.9	19.9	10.4	56	<0.1	18.2	7.1	195	2.18	9.3	1.0	1.8	4.5	14	<0.1	0.5	0.2	39	0.15	0.049
146263	Soil	0.8	20.2	17.8	60	<0.1	25.2	9.2	237	2.61	12.3	1.7	<0.5	17.9	9	<0.1	0.6	0.4	41	0.08	0.016
146264	Soil	0.4	5.1	15.4	39	<0.1	4.1	1.5	57	0.90	11.1	2.2	1.1	17.4	5	<0.1	0.6	0.3	7	0.04	0.007
146265	Soil	0.5	12.3	16.9	27	<0.1	6.0	3.1	165	1.10	8.5	3.2	1.2	33.1	8	<0.1	1.2	1.2	8	0.06	0.014
146266	Soil	0.7	20.1	8.2	58	<0.1	24.1	11.6	297	2.95	9.1	0.5	<0.5	5.7	9	<0.1	0.5	0.1	57	0.09	0.019
146267	Soil	0.2	23.1	10.8	93	<0.1	36.6	20.0	917	4.07	17.3	1.1	<0.5	13.8	22	0.1	0.4	<0.1	59	0.43	0.115
146268	Soil	1.3	36.5	13.2	74	<0.1	28.3	9.9	323	2.88	14.0	1.1	2.4	9.7	14	<0.1	1.1	0.2	54	0.11	0.023
146269	Soil	1.2	44.0	15.3	52	<0.1	20.5	9.0	382	2.84	13.0	7.8	2.8	17.1	12	<0.1	1.1	0.2	54	0.09	0.020
146270	Soil	0.9	18.5	15.0	54	<0.1	17.3	8.1	238	2.38	11.4	1.7	1.8	18.4	12	<0.1	1.1	0.3	42	0.10	0.016
146271	Soil	0.6	9.8	24.4	51	<0.1	6.0	4.4	226	1.91	29.7	4.3	0.6	40.2	17	0.1	4.1	0.2	12	0.10	0.031
146272	Soil	0.8	25.8	26.7	47	<0.1	13.6	5.0	309	1.71	18.0	5.2	1.0	33.4	17	<0.1	4.4	1.5	18	0.19	0.022
146273	Soil	0.5	30.5	21.6	99	<0.1	34.7	15.4	715	3.82	31.3	2.8	1.7	18.1	12	<0.1	3.5	0.3	33	0.20	0.052
146274	Soil	0.4	23.1	32.8	76	<0.1	27.2	12.2	598	3.35	35.6	2.6	0.8	22.3	14	<0.1	3.1	0.3	38	0.22	0.052



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
146245	Soil	28	27	0.61	119	0.080	<1	1.26	0.003	0.46	<0.1	<0.01	1.5	0.3	<0.05	4	0.5	<0.2
146246	Soil	22	23	0.41	179	0.045	<1	1.01	0.006	0.11	0.2	0.03	2.0	0.1	<0.05	3	1.1	<0.2
146247	Soil	19	21	0.37	117	0.039	<1	1.09	0.004	0.13	0.1	0.04	1.3	0.1	<0.05	4	<0.5	<0.2
146248	Soil	14	20	0.35	112	0.035	<1	0.91	0.006	0.05	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
146249	Soil	20	23	0.39	96	0.029	<1	1.14	0.004	0.11	0.1	0.02	1.3	0.1	<0.05	4	0.5	<0.2
146250	Soil	24	22	0.27	87	0.011	<1	1.00	0.004	0.07	0.1	0.02	1.0	0.1	<0.05	4	0.6	<0.2
146251	Soil	36	24	0.79	233	0.078	<1	1.74	0.003	0.50	<0.1	0.01	1.6	0.4	<0.05	5	0.7	<0.2
146252	Soil	26	26	0.51	176	0.052	<1	1.22	0.002	0.26	<0.1	0.02	1.7	0.2	<0.05	4	0.7	<0.2
146253	Soil	21	26	0.51	199	0.059	<1	1.29	0.004	0.26	<0.1	0.03	2.9	0.2	<0.05	4	<0.5	<0.2
146254	Soil	37	25	0.42	158	0.033	<1	1.18	0.004	0.13	<0.1	0.02	2.3	0.2	<0.05	4	0.8	<0.2
146255	Soil	18	28	0.40	189	0.040	<1	1.30	0.006	0.06	0.1	0.03	3.0	<0.1	<0.05	4	0.6	<0.2
146256	Soil	34	26	0.50	218	0.053	<1	1.36	0.004	0.28	<0.1	0.02	2.4	0.3	<0.05	4	0.9	<0.2
146257	Soil	41	22	0.34	169	0.009	<1	0.92	0.002	0.07	<0.1	0.01	2.1	<0.1	<0.05	3	0.9	<0.2
146258	Soil	25	23	0.42	162	0.039	1	1.21	0.004	0.12	0.1	0.02	2.8	0.2	<0.05	3	0.7	<0.2
146259	Soil	27	19	0.25	69	0.013	<1	1.14	0.002	0.15	<0.1	0.02	1.5	0.2	<0.05	4	0.8	<0.2
146260	Soil	57	28	0.44	143	0.051	<1	1.58	0.004	0.31	<0.1	0.02	2.0	0.3	<0.05	4	0.9	<0.2
146261	Soil	28	29	0.52	272	0.061	<1	1.34	0.004	0.25	<0.1	0.03	2.6	0.4	0.05	4	0.9	<0.2
146262	Soil	17	23	0.39	156	0.044	1	1.22	0.005	0.06	0.2	0.02	2.1	0.1	<0.05	4	0.6	<0.2
146263	Soil	13	40	0.70	161	0.082	<1	2.21	0.007	0.08	0.1	0.02	2.1	0.1	<0.05	7	<0.5	<0.2
146264	Soil	42	8	0.10	72	0.009	<1	0.68	0.003	0.06	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
146265	Soil	71	7	0.12	105	0.004	<1	0.64	0.004	0.05	<0.1	0.07	2.2	<0.1	<0.05	2	0.7	<0.2
146266	Soil	9	61	0.97	299	0.128	<1	2.21	0.006	0.28	0.2	0.01	2.1	0.2	<0.05	6	<0.5	<0.2
146267	Soil	61	133	1.99	427	0.167	<1	2.89	0.007	1.40	0.1	0.01	2.9	0.6	<0.05	8	<0.5	<0.2
146268	Soil	42	33	0.53	217	0.073	<1	1.51	0.010	0.07	0.2	0.06	4.9	<0.1	<0.05	5	0.6	<0.2
146269	Soil	70	34	0.46	242	0.058	<1	1.88	0.009	0.06	0.1	0.10	5.9	0.1	<0.05	5	0.6	<0.2
146270	Soil	34	26	0.44	175	0.048	<1	1.42	0.007	0.05	0.2	0.11	3.1	0.1	<0.05	4	<0.5	<0.2
146271	Soil	74	9	0.16	82	0.009	<1	0.77	0.003	0.12	0.1	0.19	2.1	0.3	<0.05	3	0.6	<0.2
146272	Soil	71	16	0.38	271	0.013	<1	1.34	0.004	0.10	0.1	0.27	3.7	0.2	<0.05	4	0.7	<0.2
146273	Soil	53	39	0.88	373	0.174	<1	2.19	0.006	1.08	<0.1	0.09	3.7	0.6	<0.05	7	<0.5	<0.2
146274	Soil	58	36	0.77	339	0.141	<1	1.92	0.005	0.78	<0.1	0.07	4.5	0.5	<0.05	7	0.6	<0.2



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
146275	Soil	0.6	14.9	17.1	42	<0.1	13.2	6.0	171	2.08	17.6	1.3	1.6	6.3	10	<0.1	2.5	0.2	35	0.12	0.041
146276	Soil	0.4	34.5	15.4	81	<0.1	29.2	15.9	425	3.40	8.1	1.6	0.6	21.3	11	<0.1	0.6	0.4	34	0.23	0.062
146277	Soil	0.4	37.8	15.0	86	<0.1	36.6	18.6	541	3.87	8.9	1.5	1.5	16.1	8	<0.1	0.4	0.4	45	0.10	0.033
146278	Soil	1.0	25.6	21.8	71	0.1	24.0	10.3	402	2.48	91.2	1.7	2.5	9.1	10	0.1	6.1	0.2	33	0.11	0.052
146279	Soil	0.7	16.2	16.8	51	<0.1	17.2	8.0	233	2.38	22.4	1.2	3.4	11.6	8	<0.1	2.2	0.2	35	0.11	0.035
146280	Soil	0.7	24.9	12.2	63	<0.1	21.0	9.8	276	3.07	16.1	1.3	0.9	11.1	8	<0.1	0.7	0.3	47	0.08	0.035
146281	Soil	0.6	21.9	13.0	65	<0.1	21.8	9.1	313	2.89	11.3	1.6	1.6	9.1	13	<0.1	0.6	0.2	43	0.15	0.043
146282	Soil	0.8	19.7	14.6	66	<0.1	21.4	9.8	293	2.58	34.5	1.4	2.2	11.4	9	<0.1	2.4	0.2	34	0.10	0.037
146283	Soil	0.9	21.7	17.9	68	<0.1	22.6	9.7	266	3.05	45.0	1.1	3.1	10.2	9	<0.1	2.3	0.3	42	0.10	0.028
146284	Soil	0.5	26.3	16.9	80	<0.1	27.2	14.2	517	3.65	14.8	1.4	2.1	13.6	12	<0.1	0.8	0.3	47	0.17	0.047
146285	Soil	0.5	52.4	17.6	113	<0.1	37.2	19.0	433	4.61	10.2	1.3	<0.5	21.2	8	<0.1	0.4	0.3	42	0.17	0.065
146286	Soil	0.5	20.9	13.1	70	<0.1	22.7	10.6	266	2.90	11.5	1.1	1.1	9.6	11	<0.1	0.8	0.3	41	0.14	0.045
146287	Soil	0.5	19.3	15.2	68	0.1	21.6	8.7	210	2.44	11.5	1.2	0.7	6.9	11	<0.1	0.9	0.3	36	0.12	0.039
146288	Soil	0.6	20.5	12.9	70	<0.1	21.4	9.7	250	3.04	11.1	1.0	0.9	8.7	11	<0.1	0.5	0.3	42	0.13	0.036
146289	Soil	0.6	24.4	12.1	75	0.1	21.4	9.5	259	2.73	10.3	1.7	2.6	9.2	11	0.1	0.4	0.3	40	0.13	0.042
146290	Soil	0.7	23.9	11.3	77	0.1	21.8	9.8	254	2.85	10.3	1.5	1.0	9.6	11	0.1	0.4	0.2	40	0.14	0.043
146291	Soil	0.4	25.6	14.3	77	<0.1	25.5	11.4	312	3.05	16.3	1.1	<0.5	10.7	12	<0.1	0.6	0.3	39	0.16	0.047
146292	Soil	0.5	15.9	11.2	66	<0.1	18.4	8.8	234	2.59	10.3	1.0	0.6	8.1	12	<0.1	0.4	0.2	39	0.15	0.041
146293	Soil	0.8	25.7	13.3	81	<0.1	24.3	11.7	369	3.13	13.8	1.3	0.6	13.0	11	0.1	0.4	0.3	39	0.15	0.049
146294	Soil	0.6	23.2	12.5	76	0.1	24.0	10.3	307	2.95	9.5	1.2	1.1	9.9	12	0.1	0.4	0.3	42	0.15	0.043
146295	Soil	0.5	17.7	11.3	62	<0.1	18.7	8.3	211	2.44	9.6	1.4	1.6	7.8	13	<0.1	0.4	0.2	37	0.17	0.039
146296	Soil	0.5	16.7	11.2	62	0.1	18.2	7.4	160	2.50	11.8	1.4	1.2	6.5	14	<0.1	0.4	0.2	40	0.16	0.034
146297	Soil	0.5	23.4	11.8	76	0.2	23.8	10.5	269	2.78	9.4	1.6	9.6	9.5	12	<0.1	0.3	0.3	41	0.14	0.044
146298	Soil	0.5	22.2	11.4	74	0.1	22.5	11.3	337	2.80	10.1	1.2	4.8	8.3	12	<0.1	0.3	0.2	38	0.18	0.049
146299	Soil	0.9	25.8	11.1	77	<0.1	23.2	9.9	291	2.73	32.5	2.0	1.5	9.3	14	<0.1	0.7	0.2	37	0.14	0.048
146300	Soil	0.7	29.7	6.5	58	<0.1	9.1	7.3	426	2.95	3.2	0.8	<0.5	7.9	6	<0.1	0.3	<0.1	55	0.12	0.029
146301	Soil	0.7	28.0	4.9	66	<0.1	12.7	9.0	548	3.52	3.0	0.5	2.0	4.3	9	<0.1	0.3	<0.1	65	0.17	0.035
146302	Soil	0.9	17.4	7.5	55	0.2	15.9	12.1	597	3.11	3.6	0.4	1.4	2.1	13	<0.1	0.3	0.1	75	0.25	0.048
146303	Soil	0.5	16.6	1.5	46	<0.1	2.5	8.9	470	3.80	1.3	0.3	2.0	1.6	8	<0.1	0.3	<0.1	124	0.26	0.057
146304	Soil	1.0	11.6	7.1	44	<0.1	10.7	9.6	593	3.50	6.2	0.3	<0.5	2.0	11	<0.1	0.4	0.1	77	0.19	0.049



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
146275	Soil	20	21	0.32	127	0.033	2	1.16	0.005	0.06	0.1	0.04	2.1	0.1	<0.05	4	0.6	<0.2
146276	Soil	35	34	1.01	279	0.195	<1	2.14	0.006	0.94	<0.1	0.01	3.7	0.6	<0.05	7	0.7	<0.2
146277	Soil	52	43	1.01	234	0.209	<1	2.50	0.006	0.94	<0.1	0.01	3.5	0.6	<0.05	8	<0.5	<0.2
146278	Soil	28	20	0.24	111	0.025	<1	0.84	0.003	0.07	0.1	0.05	2.6	0.3	<0.05	3	0.6	<0.2
146279	Soil	26	23	0.43	123	0.071	<1	1.27	0.005	0.17	0.1	0.02	2.0	0.2	<0.05	5	0.6	<0.2
146280	Soil	35	29	0.61	143	0.144	<1	1.70	0.006	0.37	0.1	0.03	2.7	0.3	<0.05	6	<0.5	<0.2
146281	Soil	31	31	0.62	161	0.119	<1	1.61	0.008	0.35	0.1	0.04	3.0	0.3	<0.05	6	<0.5	<0.2
146282	Soil	27	23	0.41	114	0.069	<1	1.13	0.005	0.16	0.1	0.02	2.6	0.2	<0.05	4	<0.5	<0.2
146283	Soil	23	27	0.45	108	0.084	2	1.43	0.006	0.24	0.1	0.04	2.7	0.3	<0.05	5	<0.5	<0.2
146284	Soil	32	39	0.88	176	0.176	<1	2.13	0.008	0.70	0.1	0.03	3.6	0.5	<0.05	7	0.5	<0.2
146285	Soil	28	37	1.15	159	0.249	1	2.49	0.006	1.21	<0.1	<0.01	3.0	0.8	<0.05	8	<0.5	<0.2
146286	Soil	31	30	0.66	192	0.135	1	1.70	0.007	0.35	0.1	0.04	2.9	0.3	<0.05	6	<0.5	<0.2
146287	Soil	28	28	0.65	141	0.129	1	1.61	0.007	0.39	0.1	0.05	2.7	0.3	<0.05	6	<0.5	<0.2
146288	Soil	20	29	0.63	121	0.147	<1	1.62	0.006	0.40	0.1	0.04	2.5	0.3	<0.05	6	<0.5	<0.2
146289	Soil	30	28	0.60	134	0.127	<1	1.51	0.007	0.33	0.1	0.03	2.6	0.3	<0.05	6	<0.5	<0.2
146290	Soil	28	27	0.63	128	0.129	<1	1.58	0.007	0.37	0.1	0.03	2.5	0.3	<0.05	6	<0.5	<0.2
146291	Soil	28	32	0.76	164	0.157	<1	1.78	0.007	0.56	0.1	0.02	2.8	0.4	<0.05	6	<0.5	<0.2
146292	Soil	27	26	0.60	148	0.121	<1	1.54	0.007	0.29	0.2	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
146293	Soil	26	34	0.75	152	0.169	<1	1.71	0.006	0.64	0.1	0.01	2.6	0.4	<0.05	6	<0.5	<0.2
146294	Soil	26	31	0.68	144	0.144	<1	1.66	0.007	0.44	0.1	0.03	2.6	0.3	<0.05	6	<0.5	<0.2
146295	Soil	34	25	0.54	165	0.114	<1	1.44	0.007	0.26	0.1	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
146296	Soil	32	25	0.55	143	0.108	<1	1.44	0.007	0.22	0.1	0.04	2.7	0.2	<0.05	5	<0.5	<0.2
146297	Soil	29	29	0.67	135	0.129	<1	1.60	0.006	0.36	0.1	0.04	2.8	0.3	<0.05	6	<0.5	<0.2
146298	Soil	28	29	0.69	138	0.146	<1	1.63	0.006	0.47	0.1	0.03	2.6	0.3	<0.05	6	<0.5	<0.2
146299	Soil	26	30	0.56	117	0.102	1	1.35	0.006	0.33	0.2	0.04	2.6	0.4	<0.05	4	<0.5	<0.2
146300	Soil	13	8	0.90	198	0.182	<1	1.92	0.007	0.73	<0.1	0.01	2.7	0.5	<0.05	5	<0.5	<0.2
146301	Soil	38	23	1.39	295	0.206	<1	2.33	0.010	0.64	0.1	0.01	6.0	0.4	<0.05	7	<0.5	<0.2
146302	Soil	7	28	1.01	311	0.151	1	1.81	0.009	0.46	0.1	0.03	4.5	0.2	<0.05	7	<0.5	<0.2
146303	Soil	4	4	1.17	287	0.162	<1	2.12	0.012	0.66	<0.1	0.01	7.8	0.3	<0.05	8	<0.5	<0.2
146304	Soil	6	17	1.01	287	0.164	<1	2.04	0.008	0.55	0.2	<0.01	3.6	0.3	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
146305	Soil	0.9	17.0	11.3	65	0.1	7.6	11.8	1466	3.88	1.9	0.5	<0.5	5.2	8	<0.1	0.2	0.2	72	0.62	0.189
146306	Soil	0.7	13.3	5.0	50	<0.1	12.8	10.3	386	3.78	5.9	0.4	3.4	3.1	9	<0.1	0.4	0.1	75	0.16	0.046
146307	Soil	0.8	14.5	8.3	43	<0.1	13.1	8.1	317	2.64	7.2	0.8	2.4	4.0	14	<0.1	0.4	0.2	55	0.22	0.030
146308	Soil	0.6	14.3	6.0	49	<0.1	11.5	9.2	605	2.65	4.4	0.8	<0.5	3.9	11	<0.1	0.3	0.1	51	0.23	0.056
146309	Soil	0.9	30.8	6.6	58	0.1	14.6	10.1	632	3.34	6.1	1.3	2.2	5.7	16	<0.1	0.4	0.1	60	0.38	0.064
146310	Soil	1.2	27.2	11.2	49	0.1	15.8	9.6	457	2.75	6.7	1.4	1.9	6.4	17	<0.1	0.4	0.2	52	0.39	0.053
146311	Soil	1.1	65.8	2.9	56	<0.1	28.6	13.6	542	3.72	2.9	1.2	1.2	6.2	18	<0.1	0.2	0.2	89	0.35	0.049
146312	Soil	1.0	41.2	2.9	58	<0.1	21.9	18.4	518	4.16	2.4	1.1	2.7	3.2	16	<0.1	0.3	0.1	108	0.46	0.058
146313	Soil	1.1	54.3	6.9	39	0.2	20.8	13.0	906	2.48	5.0	2.1	1.9	3.7	27	0.1	0.4	0.2	52	0.84	0.067
146314	Soil	0.9	82.1	4.7	58	<0.1	17.9	10.3	447	3.58	5.8	1.9	1.7	7.4	23	<0.1	0.5	0.3	86	0.34	0.028
146315	Soil	0.8	55.0	5.0	44	<0.1	14.0	9.9	415	3.03	3.5	0.9	1.7	5.1	14	<0.1	0.4	0.3	71	0.25	0.038
146316	Soil	1.1	56.0	7.8	69	0.1	23.6	11.6	470	3.31	7.5	0.7	2.7	5.6	25	0.1	0.7	0.2	67	0.45	0.047
146317	Soil	0.9	67.5	10.0	67	0.2	22.4	9.2	400	2.96	8.7	0.8	3.1	5.1	28	0.2	0.9	0.2	55	0.43	0.050
146318	Soil	0.9	51.9	9.1	67	0.1	24.6	11.6	533	3.15	8.2	0.9	6.0	4.1	38	0.3	0.8	0.2	58	0.72	0.057
146319	Soil	1.4	77.9	8.6	71	0.2	24.7	13.4	620	3.57	8.5	0.5	2.9	5.2	26	0.3	0.8	0.3	74	0.44	0.048
146320	Soil	0.9	54.6	1.6	69	<0.1	12.2	10.4	671	4.17	1.1	0.9	1.9	4.0	13	<0.1	0.2	0.3	94	0.37	0.070
146321	Soil	0.7	52.5	3.7	51	<0.1	13.4	9.4	493	3.38	3.2	0.8	1.7	4.3	14	<0.1	0.3	0.2	71	0.25	0.029
146322	Soil	0.8	48.9	4.7	56	<0.1	15.1	11.2	425	3.34	5.2	0.8	2.1	4.8	13	<0.1	0.3	0.2	86	0.24	0.026
146323	Soil	0.9	80.2	3.7	58	<0.1	16.9	14.6	521	4.35	3.8	1.5	1.2	5.3	19	<0.1	0.3	0.3	118	0.37	0.027
146324	Soil	0.8	34.4	13.8	58	<0.1	11.5	9.8	460	3.58	4.5	0.9	1.9	8.6	10	<0.1	0.4	0.3	50	0.33	0.054
146325	Soil	0.8	32.2	6.9	62	0.1	15.8	11.7	577	3.41	5.9	1.0	1.9	5.2	15	0.1	0.3	0.1	71	0.56	0.089
146326	Soil	0.8	40.1	6.8	90	0.2	14.6	16.2	831	4.72	6.3	1.3	2.7	9.5	17	0.1	0.3	0.1	101	0.55	0.096
146327	Soil	0.8	31.2	4.1	110	<0.1	13.2	16.3	1079	5.23	3.0	0.7	4.2	4.8	13	<0.1	0.2	0.1	89	0.59	0.175
146328	Soil	0.5	21.0	2.1	61	<0.1	6.7	10.2	747	3.60	3.3	0.4	<0.5	2.5	10	<0.1	0.2	<0.1	66	0.39	0.093
146329	Soil	0.4	16.3	4.7	79	<0.1	8.5	8.5	1035	3.86	1.5	0.7	2.5	4.8	11	<0.1	0.2	<0.1	54	0.70	0.180
146330	Soil	0.8	33.9	2.9	82	<0.1	7.7	24.2	914	4.70	2.9	0.4	3.6	1.8	10	<0.1	0.2	0.1	98	0.26	0.087
146331	Soil	1.1	28.0	4.1	59	<0.1	11.7	20.3	621	3.77	3.2	0.9	3.4	3.0	15	<0.1	0.4	<0.1	79	0.24	0.040
146332	Soil	1.8	30.9	6.1	49	<0.1	15.7	12.6	409	3.71	4.2	0.8	7.0	3.9	13	<0.1	0.5	0.1	64	0.21	0.049
146333	Soil	2.1	31.4	4.2	58	<0.1	62.8	44.0	973	5.46	2.4	0.6	6.0	1.1	15	<0.1	0.2	<0.1	106	0.37	0.053
114306	Soil	1.2	13.9	13.9	72	0.2	17.5	7.6	287	3.03	10.4	0.8	12.0	6.7	14	0.1	0.5	0.4	65	0.12	0.033



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
146305	Soil	24	14	0.91	252	0.095	<1	1.63	0.008	0.64	<0.1	0.11	16.1	0.4	<0.05	8	0.5	<0.2
146306	Soil	6	15	0.92	178	0.209	<1	2.06	0.007	0.51	0.1	0.01	7.1	0.3	<0.05	7	<0.5	<0.2
146307	Soil	13	23	0.58	228	0.094	1	1.54	0.010	0.10	0.1	0.03	3.9	0.1	<0.05	5	<0.5	<0.2
146308	Soil	18	17	0.69	251	0.126	<1	1.55	0.007	0.20	0.1	0.02	3.6	0.2	<0.05	5	<0.5	<0.2
146309	Soil	25	19	0.77	335	0.170	<1	1.67	0.010	0.38	0.2	0.03	6.8	0.2	<0.05	6	<0.5	<0.2
146310	Soil	30	23	0.65	333	0.126	1	1.54	0.011	0.15	0.2	0.04	4.4	0.1	<0.05	5	0.5	<0.2
146311	Soil	25	65	1.57	496	0.209	<1	2.32	0.014	1.03	0.1	<0.01	6.1	0.4	<0.05	7	<0.5	<0.2
146312	Soil	14	32	1.58	526	0.172	<1	2.41	0.021	0.82	0.1	0.02	7.0	0.2	<0.05	7	<0.5	<0.2
146313	Soil	31	28	0.60	563	0.076	1	1.41	0.013	0.13	0.3	0.06	4.7	<0.1	0.05	4	<0.5	<0.2
146314	Soil	27	31	1.24	577	0.162	1	2.01	0.015	0.38	<0.1	0.02	7.7	0.2	<0.05	7	<0.5	<0.2
146315	Soil	18	26	1.05	586	0.174	<1	1.80	0.012	0.61	<0.1	0.03	8.1	0.2	<0.05	7	<0.5	<0.2
146316	Soil	21	33	0.97	543	0.121	1	1.89	0.015	0.28	0.1	0.05	6.3	0.2	<0.05	6	<0.5	<0.2
146317	Soil	18	27	0.76	515	0.086	3	1.61	0.014	0.11	0.1	0.07	5.0	0.1	<0.05	5	<0.5	<0.2
146318	Soil	17	26	0.83	518	0.087	2	1.68	0.018	0.14	0.2	0.05	5.4	<0.1	<0.05	5	0.6	<0.2
146319	Soil	18	28	0.97	602	0.113	1	1.70	0.014	0.23	0.1	0.06	6.5	0.1	<0.05	6	<0.5	<0.2
146320	Soil	20	28	1.83	888	0.176	<1	2.43	0.019	1.06	<0.1	0.03	12.4	0.2	<0.05	10	<0.5	<0.2
146321	Soil	14	24	1.30	527	0.179	<1	1.90	0.011	0.63	<0.1	0.02	7.0	0.2	<0.05	8	0.5	<0.2
146322	Soil	19	29	1.28	433	0.171	<1	2.04	0.010	0.50	0.1	0.01	6.2	0.2	<0.05	7	<0.5	<0.2
146323	Soil	20	27	1.48	615	0.219	<1	2.30	0.015	0.61	<0.1	0.03	11.8	0.2	<0.05	8	<0.5	<0.2
146324	Soil	27	57	1.08	339	0.197	<1	2.02	0.009	0.73	0.1	0.02	6.9	0.4	<0.05	8	<0.5	<0.2
146325	Soil	18	24	1.05	315	0.165	1	1.84	0.011	0.43	0.2	0.04	5.5	0.2	<0.05	6	<0.5	<0.2
146326	Soil	18	22	1.42	449	0.261	<1	2.49	0.011	1.05	0.1	0.02	7.2	0.5	<0.05	8	<0.5	<0.2
146327	Soil	11	15	1.62	402	0.251	1	2.70	0.011	1.00	0.3	0.01	9.6	0.4	<0.05	10	0.5	<0.2
146328	Soil	15	7	1.27	243	0.199	<1	1.90	0.006	0.77	0.2	0.01	3.5	0.4	<0.05	7	<0.5	<0.2
146329	Soil	22	9	1.38	329	0.177	<1	2.23	0.008	0.76	0.1	0.02	12.4	0.6	<0.05	8	<0.5	<0.2
146330	Soil	5	13	1.27	408	0.236	<1	2.55	0.010	0.91	0.1	0.01	7.3	0.4	<0.05	9	<0.5	<0.2
146331	Soil	12	16	1.05	447	0.160	<1	2.11	0.010	0.46	<0.1	0.01	6.9	0.2	<0.05	7	0.5	<0.2
146332	Soil	13	23	1.25	335	0.076	<1	2.35	0.010	0.29	<0.1	0.02	5.6	0.1	<0.05	7	0.7	0.2
146333	Soil	6	127	2.61	771	0.189	<1	2.81	0.016	1.21	0.1	0.03	7.9	0.6	<0.05	7	0.8	0.3
114306	Soil	16	32	0.55	184	0.077	1	1.96	0.007	0.09	0.1	0.02	2.4	0.2	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
114307	Soil	1.2	18.1	13.8	75	0.1	22.6	12.7	391	3.23	7.2	0.7	1.7	6.4	11	<0.1	0.4	0.3	59	0.11	0.030
114308	Soil	0.8	46.2	20.0	101	<0.1	36.1	16.8	500	4.33	3.6	1.8	0.8	22.9	8	<0.1	0.3	0.4	38	0.09	0.032
114309	Soil	1.2	41.3	12.8	84	<0.1	32.4	14.8	412	3.69	6.1	1.3	0.6	15.6	8	<0.1	0.4	0.3	41	0.06	0.020
114310	Soil	0.9	21.6	10.9	63	0.1	19.6	9.5	343	2.56	7.4	1.1	1.9	6.9	13	<0.1	0.3	0.2	39	0.16	0.051
114311	Soil	0.8	32.6	14.2	70	<0.1	28.4	11.3	261	3.34	7.4	1.2	1.8	16.9	11	0.1	0.4	0.3	42	0.11	0.029
114312	Soil	0.5	43.5	21.6	95	<0.1	37.6	17.6	929	3.83	2.0	2.3	1.3	22.4	17	<0.1	0.2	0.5	30	0.17	0.041
114313	Soil	1.2	39.2	20.0	90	<0.1	33.4	14.7	432	3.97	7.7	1.4	0.8	14.4	11	<0.1	0.2	0.4	40	0.06	0.031
114314	Soil	1.0	18.9	7.8	109	<0.1	20.7	12.1	710	3.87	2.6	1.3	<0.5	9.3	37	<0.1	0.2	0.1	54	0.39	0.116
114315	Soil	0.8	23.6	12.0	64	0.1	21.0	10.1	337	2.51	5.9	1.3	1.0	4.1	14	<0.1	0.4	0.3	41	0.14	0.047
114316	Soil	0.9	33.2	21.0	98	<0.1	34.5	16.7	570	4.47	4.1	1.6	1.3	17.3	11	<0.1	0.3	0.4	42	0.10	0.038
114317	Soil	1.0	12.2	15.7	66	0.1	17.0	8.6	270	3.36	7.6	0.6	0.6	6.0	10	<0.1	0.4	0.3	51	0.08	0.038
114318	Soil	0.9	34.2	17.1	76	<0.1	31.6	13.6	262	3.27	7.2	1.0	1.6	14.9	10	<0.1	0.5	0.3	40	0.12	0.040
114319	Soil	1.6	34.4	13.2	61	<0.1	23.3	10.3	273	2.58	7.1	1.8	2.2	12.6	14	0.1	0.5	0.2	39	0.07	0.019
114320	Soil	0.8	48.2	23.5	140	<0.1	37.0	17.1	380	4.16	27.0	2.0	8.2	19.6	11	<0.1	0.4	0.4	42	0.11	0.027
114321	Soil	0.8	34.2	10.4	64	<0.1	37.9	15.0	365	3.55	9.6	0.7	8.4	5.8	15	<0.1	0.5	0.1	77	0.18	0.046
114322	Soil	0.6	29.9	8.3	92	<0.1	38.8	16.4	535	3.63	18.9	0.6	2.8	3.5	18	0.2	0.3	0.1	69	0.32	0.099
114323	Soil	1.0	23.8	13.3	70	<0.1	20.2	8.8	313	2.85	8.8	1.2	2.6	8.8	10	<0.1	0.3	0.3	46	0.08	0.024
114324	Soil	0.9	30.7	13.6	85	<0.1	27.1	12.6	484	3.06	6.4	1.3	4.8	9.7	9	0.2	0.2	0.4	42	0.12	0.043
114325	Soil	0.7	25.4	14.9	80	<0.1	24.4	11.8	574	2.72	5.4	1.2	2.7	9.3	8	0.1	0.2	0.3	36	0.10	0.034
114326	Soil	1.0	37.2	14.5	91	<0.1	29.9	13.0	528	3.70	6.0	1.2	2.2	12.4	6	0.1	0.2	0.4	39	0.07	0.054
114327	Soil	1.0	27.3	14.2	71	<0.1	24.3	12.0	557	3.09	11.1	1.3	4.4	8.6	10	0.2	0.3	0.3	45	0.10	0.034
114328	Soil	2.6	52.5	35.5	142	0.1	26.7	14.6	553	3.88	74.3	2.4	4.2	10.9	15	0.3	0.5	0.6	47	0.06	0.055
114329	Soil	0.7	38.2	43.3	224	<0.1	30.6	16.1	526	3.08	9.8	0.8	12.5	4.9	17	0.2	0.2	0.2	66	0.23	0.059
114330	Soil	0.6	27.2	9.5	75	<0.1	42.7	19.3	572	3.66	6.8	0.5	2.1	4.2	9	<0.1	0.2	0.2	96	0.18	0.051
145235	Soil	1.2	13.3	15.0	54	<0.1	19.3	8.9	201	4.04	13.3	0.5	2.1	3.9	12	0.2	0.5	0.2	62	0.14	0.071
145236	Soil	0.8	16.0	15.3	49	<0.1	15.5	6.7	188	2.61	8.9	1.0	4.0	6.8	8	0.1	0.4	0.2	48	0.08	0.024
145237	Soil	0.8	19.1	15.1	62	<0.1	18.5	8.5	250	2.78	8.7	1.2	2.6	5.3	8	0.1	0.4	0.2	43	0.09	0.038
145238	Soil	1.0	28.5	11.6	59	<0.1	19.3	9.4	299	2.37	12.1	1.5	2.7	4.5	11	0.2	0.5	0.2	41	0.10	0.042
145239	Soil	1.1	23.4	13.8	40	0.2	13.8	4.3	97	1.98	8.7	1.0	2.4	0.5	13	0.2	0.3	0.2	42	0.10	0.040
145240	Soil	1.0	14.7	11.5	47	0.1	14.4	5.1	163	2.48	12.9	0.7	3.3	1.2	10	0.1	0.4	0.2	46	0.09	0.046



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
114307	Soil	14	34	0.66	155	0.096	<1	2.09	0.007	0.20	<0.1	0.01	2.9	0.2	<0.05	7	<0.5	<0.2
114308	Soil	95	36	0.98	91	0.152	<1	2.53	0.006	0.75	<0.1	<0.01	3.8	0.5	<0.05	7	0.5	<0.2
114309	Soil	23	32	0.67	79	0.091	<1	2.12	0.005	0.37	<0.1	0.02	3.2	0.3	<0.05	5	<0.5	<0.2
114310	Soil	18	27	0.51	129	0.078	<1	1.33	0.006	0.15	0.1	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
114311	Soil	43	30	0.61	145	0.115	<1	2.00	0.006	0.37	<0.1	0.02	2.7	0.3	<0.05	5	<0.5	<0.2
114312	Soil	59	28	0.62	186	0.098	<1	1.56	0.006	0.61	<0.1	0.02	5.2	0.5	<0.05	5	<0.5	<0.2
114313	Soil	22	34	0.66	91	0.124	<1	1.74	0.006	0.58	<0.1	<0.01	2.9	0.5	<0.05	6	<0.5	<0.2
114314	Soil	42	49	1.32	234	0.160	<1	2.50	0.006	0.74	<0.1	0.02	3.5	0.6	<0.05	7	<0.5	<0.2
114315	Soil	27	26	0.50	154	0.068	<1	1.48	0.007	0.13	<0.1	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
114316	Soil	22	37	0.72	116	0.152	1	1.99	0.006	0.70	<0.1	0.01	4.0	0.7	<0.05	6	<0.5	<0.2
114317	Soil	11	28	0.49	116	0.104	<1	1.70	0.006	0.24	0.1	<0.01	2.3	0.2	<0.05	6	<0.5	<0.2
114318	Soil	41	32	0.66	123	0.096	<1	1.85	0.006	0.34	0.1	0.02	2.9	0.3	<0.05	5	<0.5	<0.2
114319	Soil	40	27	0.45	107	0.054	<1	1.55	0.005	0.13	<0.1	0.02	4.3	0.2	<0.05	4	<0.5	<0.2
114320	Soil	54	38	0.80	166	0.100	<1	2.21	0.006	0.33	<0.1	0.02	4.8	0.4	<0.05	6	<0.5	<0.2
114321	Soil	13	101	1.22	112	0.161	<1	2.34	0.007	0.33	0.2	0.01	2.2	0.3	<0.05	7	<0.5	<0.2
114322	Soil	9	113	1.65	140	0.149	<1	2.50	0.008	0.77	0.2	0.02	2.8	0.7	<0.05	6	<0.5	<0.2
114323	Soil	18	29	0.54	101	0.078	<1	1.83	0.006	0.16	0.1	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
114324	Soil	25	27	0.64	100	0.056	2	1.76	0.004	0.32	<0.1	0.01	2.8	0.3	<0.05	5	<0.5	<0.2
114325	Soil	36	25	0.56	110	0.042	<1	1.59	0.005	0.17	<0.1	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
114326	Soil	20	27	0.68	91	0.068	<1	1.87	0.004	0.43	<0.1	0.02	2.9	0.3	<0.05	6	<0.5	<0.2
114327	Soil	21	31	0.57	113	0.054	1	1.78	0.005	0.23	<0.1	0.02	3.0	0.2	<0.05	5	<0.5	<0.2
114328	Soil	35	36	0.77	155	0.084	<1	1.99	0.006	0.64	<0.1	0.01	2.8	0.5	0.10	5	<0.5	<0.2
114329	Soil	11	98	1.31	101	0.119	<1	2.35	0.007	0.76	0.2	0.02	2.5	0.5	<0.05	7	<0.5	<0.2
114330	Soil	10	141	1.64	140	0.163	<1	2.92	0.006	0.67	0.2	0.02	2.9	0.6	<0.05	8	<0.5	<0.2
145235	Soil	11	25	0.48	130	0.066	1	1.76	0.005	0.14	0.2	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
145236	Soil	22	25	0.35	139	0.048	1	1.57	0.005	0.09	0.1	0.04	2.5	0.1	<0.05	5	<0.5	<0.2
145237	Soil	24	25	0.42	140	0.042	<1	1.53	0.005	0.15	<0.1	0.04	2.8	0.2	<0.05	5	<0.5	<0.2
145238	Soil	18	22	0.32	170	0.031	<1	1.26	0.005	0.05	0.1	0.06	3.2	0.1	<0.05	4	<0.5	<0.2
145239	Soil	13	19	0.23	141	0.021	1	1.27	0.006	0.04	0.1	0.06	1.4	0.1	<0.05	5	0.9	<0.2
145240	Soil	14	21	0.25	132	0.027	<1	1.30	0.005	0.04	0.1	0.06	2.0	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
145241	Soil	1.3	18.4	11.6	64	<0.1	18.9	8.1	250	2.79	12.9	0.9	7.0	5.1	10	<0.1	0.5	0.2	47	0.07	0.028
145242	Soil	1.4	25.5	11.4	65	0.1	20.4	9.2	410	2.60	13.3	1.3	5.1	4.7	10	0.2	0.5	0.2	34	0.07	0.042
145243	Soil	1.5	32.9	12.4	75	0.1	22.2	9.1	450	3.11	12.2	1.6	8.9	8.8	12	0.1	0.5	0.3	32	0.07	0.042
145244	Soil	0.9	20.4	11.6	67	<0.1	20.0	8.2	208	2.65	8.7	1.2	1.6	4.1	11	<0.1	0.3	0.2	41	0.12	0.040
145245	Soil	1.0	21.4	10.8	63	<0.1	19.3	8.0	226	2.57	9.1	1.0	2.2	3.5	10	0.1	0.4	0.2	43	0.10	0.037
145246	Soil	1.2	23.0	10.7	69	<0.1	20.5	10.5	400	2.63	8.8	1.0	1.4	4.8	9	0.2	0.5	0.2	36	0.10	0.037
145247	Soil	0.7	16.8	10.9	53	<0.1	17.0	6.7	158	2.29	7.5	0.9	5.1	3.1	10	<0.1	0.4	0.2	36	0.11	0.031
145248	Soil	0.7	22.7	11.7	67	<0.1	20.4	10.2	307	2.60	11.0	1.3	5.1	7.8	11	0.1	0.5	0.2	36	0.11	0.034
145249	Soil	1.2	19.8	12.7	64	<0.1	19.4	8.4	228	2.68	12.6	0.9	1.6	6.8	12	0.1	0.5	0.2	39	0.13	0.034
145250	Soil	0.8	17.4	12.2	56	<0.1	17.7	8.2	199	2.46	6.8	0.9	5.6	5.8	10	<0.1	0.4	0.2	35	0.11	0.031
145251	Soil	0.7	18.8	14.5	62	<0.1	20.3	9.2	216	2.83	7.2	1.0	1.3	9.3	8	<0.1	0.4	0.2	40	0.08	0.020
145252	Soil	0.6	19.2	13.7	69	<0.1	20.0	9.4	206	2.90	6.7	1.2	2.3	9.5	10	<0.1	0.3	0.2	39	0.11	0.025
145253	Soil	0.9	20.1	13.8	62	<0.1	20.9	10.4	227	3.10	8.3	1.2	1.2	10.9	10	<0.1	0.4	0.2	45	0.10	0.018
145254	Soil	0.7	23.2	16.2	66	0.1	21.5	11.2	421	2.93	5.3	1.9	2.0	17.3	12	<0.1	0.2	0.2	41	0.17	0.031
145255	Soil	1.1	14.0	15.2	54	<0.1	19.0	8.6	256	2.99	11.2	0.7	<0.5	5.7	9	<0.1	0.5	0.2	49	0.08	0.027
145256	Soil	1.0	13.6	15.4	51	<0.1	14.1	6.6	158	2.74	7.9	0.6	2.1	4.0	6	<0.1	0.4	0.2	49	0.07	0.024
145257	Soil	0.8	16.8	13.3	67	<0.1	22.7	11.3	186	3.19	7.8	0.6	0.8	7.5	7	<0.1	0.3	0.2	48	0.07	0.026
145258	Soil	0.9	19.7	12.1	60	<0.1	22.3	9.2	185	2.78	7.1	0.9	2.4	8.5	9	<0.1	0.4	0.2	46	0.09	0.019
145259	Soil	1.4	31.9	12.1	66	0.1	26.5	9.4	291	2.42	18.7	1.6	1.6	9.4	11	<0.1	0.3	0.2	30	0.05	0.021



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145241	Soil	15	25	0.31	139	0.029	1	1.46	0.005	0.05	0.2	0.04	2.7	0.1	<0.05	4	<0.5	<0.2
145242	Soil	20	20	0.28	132	0.026	<1	1.14	0.004	0.13	0.1	0.04	2.2	0.2	<0.05	3	<0.5	<0.2
145243	Soil	25	22	0.42	154	0.056	<1	1.17	0.005	0.29	0.1	0.03	2.7	0.5	<0.05	3	<0.5	<0.2
145244	Soil	20	25	0.38	170	0.041	1	1.49	0.006	0.07	0.2	0.03	2.8	0.2	<0.05	4	<0.5	<0.2
145245	Soil	18	23	0.35	145	0.043	<1	1.33	0.005	0.07	0.2	0.04	2.5	0.1	<0.05	4	<0.5	<0.2
145246	Soil	18	22	0.36	135	0.041	<1	1.26	0.005	0.09	0.1	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
145247	Soil	16	21	0.35	142	0.042	<1	1.29	0.005	0.08	0.1	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
145248	Soil	27	23	0.39	154	0.050	<1	1.39	0.005	0.09	0.2	0.04	2.9	0.2	<0.05	4	<0.5	<0.2
145249	Soil	16	24	0.38	132	0.051	2	1.43	0.005	0.10	0.2	0.03	2.3	0.2	<0.05	4	<0.5	<0.2
145250	Soil	18	22	0.39	144	0.057	<1	1.33	0.004	0.14	0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
145251	Soil	21	26	0.48	132	0.072	<1	1.52	0.004	0.17	0.1	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
145252	Soil	29	28	0.55	160	0.062	<1	1.59	0.005	0.19	0.1	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
145253	Soil	29	30	0.51	138	0.065	<1	1.84	0.005	0.19	0.1	0.03	3.1	0.3	<0.05	5	0.8	<0.2
145254	Soil	105	31	0.64	148	0.109	<1	1.93	0.007	0.30	0.1	0.04	3.2	0.3	<0.05	6	<0.5	<0.2
145255	Soil	16	27	0.40	141	0.043	1	1.83	0.004	0.10	0.1	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
145256	Soil	12	23	0.35	90	0.046	<1	1.57	0.004	0.10	0.1	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
145257	Soil	11	30	0.58	123	0.083	<1	2.05	0.004	0.22	0.1	0.02	2.4	0.3	<0.05	6	<0.5	<0.2
145258	Soil	22	27	0.52	157	0.065	<1	1.62	0.006	0.11	0.1	<0.01	2.7	0.2	<0.05	5	<0.5	<0.2
145259	Soil	20	19	0.17	122	0.012	<1	0.90	0.003	0.07	<0.1	0.02	2.4	0.3	<0.05	3	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI11001147.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
100454	Soil	0.9	11.7	10.3	58	<0.1	15.8	9.0	286	2.82	10.2	1.1	5.1	5.8	15	<0.1	0.5	0.2	56	0.21	0.050
REP 100454	QC	0.9	11.4	10.3	56	<0.1	15.8	9.0	279	2.80	10.1	1.1	2.6	5.7	15	<0.1	0.4	0.2	55	0.21	0.051
112890	Soil	1.3	35.6	12.7	78	0.2	28.6	9.4	204	3.06	9.4	2.2	7.2	10.1	35	<0.1	0.4	0.2	44	0.16	0.070
REP 112890	QC	1.3	36.1	12.8	78	0.2	28.8	9.0	220	3.05	9.6	2.2	8.5	10.3	37	0.1	0.4	0.2	45	0.16	0.070
112897	Soil	1.0	32.5	10.6	52	0.1	26.9	10.1	419	2.79	10.4	1.3	1.8	5.8	18	<0.1	0.5	0.2	46	0.16	0.036
REP 112897	QC	0.9	31.9	10.2	54	0.1	27.3	10.0	415	2.78	10.7	1.2	2.6	5.6	18	<0.1	0.5	0.1	46	0.17	0.036
112924	Soil	0.8	35.8	18.7	100	<0.1	30.0	10.9	331	3.10	11.1	1.4	3.7	10.5	12	0.2	0.4	0.2	47	0.21	0.068
REP 112924	QC	0.9	38.0	19.0	104	<0.1	31.4	11.1	347	3.16	11.5	1.4	3.8	10.8	13	0.2	0.4	0.2	49	0.21	0.068
112930	Soil	0.9	35.5	12.3	85	<0.1	31.0	14.9	436	3.33	15.5	1.2	2.4	8.6	9	0.1	0.4	0.2	49	0.13	0.045
REP 112930	QC	0.7	35.4	12.2	82	<0.1	30.0	14.7	438	3.47	14.7	1.2	2.7	8.5	9	<0.1	0.4	0.2	49	0.13	0.046
112955	Soil	0.9	26.6	12.6	76	0.1	25.0	10.9	289	3.02	40.1	1.5	2.5	7.0	11	<0.1	1.0	0.2	43	0.13	0.045
REP 112955	QC	0.9	27.3	12.7	77	0.1	25.3	10.9	294	3.06	41.8	1.5	2.6	7.2	11	<0.1	1.1	0.2	42	0.13	0.043
110701	Soil	0.9	37.7	11.3	81	<0.1	33.3	14.4	431	3.00	7.4	1.7	1.2	10.8	11	<0.1	0.3	0.2	55	0.22	0.073
REP 110701	QC	0.8	38.5	11.2	82	<0.1	33.8	14.7	453	3.02	7.2	1.8	1.9	10.2	12	0.1	0.4	0.2	56	0.23	0.069
101805	Soil	0.5	36.8	27.8	95	<0.1	32.4	15.5	409	3.88	5.4	1.9	2.7	21.3	9	<0.1	0.3	0.3	36	0.10	0.036
REP 101805	QC	0.6	34.6	26.4	92	<0.1	31.0	15.4	381	3.75	5.1	1.9	1.1	20.7	8	<0.1	0.2	0.3	36	0.10	0.033
101823	Soil	1.3	30.3	9.2	89	<0.1	38.6	17.6	288	5.04	7.0	0.9	0.6	5.7	4	<0.1	0.4	0.4	53	0.05	0.060
REP 101823	QC	1.5	31.5	9.6	90	<0.1	39.4	17.5	297	5.11	7.3	1.0	<0.5	5.9	4	<0.1	0.4	0.4	54	0.06	0.061
146235	Soil	1.5	29.3	25.1	88	<0.1	26.9	12.2	623	2.91	44.6	2.3	2.0	16.2	8	0.1	0.5	0.3	35	0.16	0.068
REP 146235	QC	1.4	32.1	24.7	87	<0.1	38.0	12.5	631	2.90	44.1	2.3	2.2	16.4	8	0.2	0.5	0.3	35	0.15	0.070
146255	Soil	0.8	21.3	11.3	52	<0.1	18.9	8.3	264	2.35	10.6	1.3	2.9	5.8	12	<0.1	0.5	0.2	46	0.10	0.029
REP 146255	QC	0.9	20.7	10.9	52	<0.1	17.7	8.3	262	2.37	11.0	1.3	3.1	5.8	11	<0.1	0.5	0.2	46	0.10	0.027
146277	Soil	0.4	37.8	15.0	86	<0.1	36.6	18.6	541	3.87	8.9	1.5	1.5	16.1	8	<0.1	0.4	0.4	45	0.10	0.033
REP 146277	QC	0.6	38.3	15.1	90	<0.1	37.3	19.2	562	3.98	9.1	1.6	2.3	16.7	8	<0.1	0.5	0.4	45	0.11	0.035
146293	Soil	0.8	25.7	13.3	81	<0.1	24.3	11.7	369	3.13	13.8	1.3	0.6	13.0	11	0.1	0.4	0.3	39	0.15	0.049
REP 146293	QC	0.7	26.0	12.9	82	<0.1	24.5	11.5	375	3.18	14.2	1.3	1.1	12.4	11	<0.1	0.4	0.3	40	0.15	0.053
146299	Soil	0.9	25.8	11.1	77	<0.1	23.2	9.9	291	2.73	32.5	2.0	1.5	9.3	14	<0.1	0.7	0.2	37	0.14	0.048
REP 146299	QC	0.9	27.0	10.9	79	<0.1	24.8	10.4	301	2.83	34.1	2.0	0.8	9.4	14	<0.1	0.7	0.2	39	0.14	0.048



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
100454	Soil	18	29	0.68	128	0.085	3	1.79	0.007	0.17	0.2	0.03	2.2	0.2	<0.05	6	<0.5	<0.2
REP 100454	QC	18	29	0.69	123	0.085	2	1.85	0.008	0.18	0.2	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
112890	Soil	60	27	0.51	196	0.073	<1	1.49	0.010	0.32	0.2	0.02	2.1	0.3	0.07	5	0.6	<0.2
REP 112890	QC	63	28	0.52	200	0.077	<1	1.58	0.011	0.34	0.2	0.02	2.2	0.3	0.11	5	0.8	<0.2
112897	Soil	37	55	0.75	204	0.045	1	1.67	0.005	0.18	<0.1	0.02	3.8	0.2	<0.05	4	<0.5	<0.2
REP 112897	QC	37	54	0.76	205	0.047	<1	1.72	0.005	0.18	0.1	0.02	3.7	0.2	<0.05	4	0.7	<0.2
112924	Soil	19	28	0.63	222	0.094	<1	1.68	0.004	0.50	<0.1	0.02	2.7	0.4	<0.05	4	1.1	<0.2
REP 112924	QC	20	30	0.64	231	0.098	<1	1.75	0.004	0.52	<0.1	0.02	2.8	0.4	<0.05	5	0.9	<0.2
112930	Soil	25	38	0.86	133	0.136	<1	1.99	0.006	0.44	<0.1	0.01	2.5	0.4	<0.05	6	<0.5	<0.2
REP 112930	QC	26	38	0.89	138	0.134	1	2.14	0.005	0.44	<0.1	0.03	2.6	0.4	<0.05	7	<0.5	<0.2
112955	Soil	27	30	0.53	158	0.092	1	1.57	0.006	0.27	0.1	0.04	2.7	0.3	<0.05	5	<0.5	<0.2
REP 112955	QC	26	30	0.51	157	0.093	1	1.52	0.006	0.26	0.1	0.05	2.9	0.3	<0.05	5	<0.5	<0.2
110701	Soil	41	48	0.69	144	0.092	<1	1.60	0.012	0.39	<0.1	<0.01	2.3	0.3	<0.05	6	0.6	<0.2
REP 110701	QC	42	50	0.75	139	0.108	<1	1.60	0.012	0.39	0.1	<0.01	2.3	0.3	<0.05	6	<0.5	<0.2
101805	Soil	60	33	0.88	202	0.172	<1	2.22	0.005	0.75	<0.1	0.02	3.4	0.6	<0.05	6	<0.5	<0.2
REP 101805	QC	57	32	0.85	194	0.170	<1	2.13	0.005	0.76	<0.1	0.02	3.2	0.6	<0.05	6	<0.5	<0.2
101823	Soil	8	31	0.83	67	0.132	2	2.08	0.003	0.33	0.1	<0.01	2.7	0.4	<0.05	7	<0.5	<0.2
REP 101823	QC	8	32	0.83	70	0.135	<1	2.09	0.003	0.34	<0.1	0.02	2.7	0.4	<0.05	8	<0.5	<0.2
146235	Soil	45	22	0.41	139	0.052	<1	1.53	0.004	0.32	<0.1	0.01	2.5	0.6	<0.05	5	<0.5	<0.2
REP 146235	QC	44	31	0.42	142	0.053	<1	1.55	0.004	0.33	<0.1	0.02	2.5	0.6	<0.05	4	<0.5	<0.2
146255	Soil	18	28	0.40	189	0.040	<1	1.30	0.006	0.06	0.1	0.03	3.0	<0.1	<0.05	4	0.6	<0.2
REP 146255	QC	18	27	0.40	187	0.038	<1	1.30	0.007	0.05	0.1	0.03	3.2	<0.1	<0.05	4	0.7	<0.2
146277	Soil	52	43	1.01	234	0.209	<1	2.50	0.006	0.94	<0.1	0.01	3.5	0.6	<0.05	8	<0.5	<0.2
REP 146277	QC	53	43	1.03	237	0.209	<1	2.46	0.006	0.95	<0.1	<0.01	3.5	0.7	<0.05	8	<0.5	<0.2
146293	Soil	26	34	0.75	152	0.169	<1	1.71	0.006	0.64	0.1	0.01	2.6	0.4	<0.05	6	<0.5	<0.2
REP 146293	QC	26	33	0.74	149	0.165	<1	1.76	0.006	0.59	0.1	0.02	2.6	0.4	<0.05	6	<0.5	<0.2
146299	Soil	26	30	0.56	117	0.102	1	1.35	0.006	0.33	0.2	0.04	2.6	0.4	<0.05	4	<0.5	<0.2
REP 146299	QC	27	32	0.57	117	0.105	<1	1.32	0.006	0.35	0.1	0.03	2.8	0.3	<0.05	5	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
146318	Soil	0.9	51.9	9.1	67	0.1	24.6	11.6	533	3.15	8.2	0.9	6.0	4.1	38	0.3	0.8	0.2	58	0.72	0.057
REP 146318	QC	0.8	49.2	8.4	64	0.2	23.5	11.2	497	2.97	8.0	0.8	4.0	3.9	35	0.3	0.8	0.2	56	0.64	0.053
114311	Soil	0.8	32.6	14.2	70	<0.1	28.4	11.3	261	3.34	7.4	1.2	1.8	16.9	11	0.1	0.4	0.3	42	0.11	0.029
REP 114311	QC	0.8	33.2	14.5	74	<0.1	28.0	12.1	270	3.53	7.6	1.2	2.0	17.0	11	<0.1	0.4	0.3	43	0.11	0.030
145245	Soil	1.0	21.4	10.8	63	<0.1	19.3	8.0	226	2.57	9.1	1.0	2.2	3.5	10	0.1	0.4	0.2	43	0.10	0.037
REP 145245	QC	1.0	21.6	11.0	63	<0.1	18.9	7.6	219	2.54	9.1	1.0	3.8	3.6	10	0.2	0.4	0.2	40	0.10	0.037
Reference Materials																					
STD DS8	Standard	12.5	105.9	120.9	319	1.8	39.2	7.4	614	2.43	23.2	2.5	115.8	6.2	58	2.2	4.9	6.0	42	0.68	0.077
STD DS8	Standard	12.0	102.3	121.3	303	1.7	34.8	7.1	565	2.33	25.7	2.5	111.0	6.1	61	2.3	4.6	6.1	40	0.67	0.077
STD DS8	Standard	12.8	112.0	123.1	314	1.8	37.0	7.3	592	2.35	24.8	2.9	117.2	7.4	66	2.1	5.8	7.4	41	0.66	0.081
STD DS8	Standard	12.8	106.0	125.8	313	2.0	36.2	7.2	602	2.44	24.6	2.6	133.7	6.3	60	2.2	5.3	6.5	40	0.73	0.078
STD DS8	Standard	11.8	102.5	116.1	298	1.7	35.1	6.9	564	2.31	24.6	2.8	109.1	6.7	61	2.3	5.2	6.5	39	0.63	0.076
STD DS8	Standard	13.4	108.2	117.5	301	1.8	36.2	7.5	590	2.31	24.5	2.7	136.5	6.7	65	2.3	5.7	6.6	41	0.67	0.075
STD DS8	Standard	13.6	118.1	132.2	337	1.9	39.6	8.0	680	2.63	26.9	2.9	113.5	7.4	73	2.6	6.0	7.4	43	0.76	0.089
STD DS8	Standard	11.3	109.7	130.5	312	1.8	36.6	7.3	583	2.41	25.6	2.8	117.2	6.2	62	2.3	6.0	7.5	39	0.64	0.086
STD DS8	Standard	12.8	99.4	111.9	284	1.6	34.4	6.7	543	2.16	23.0	2.3	103.5	5.7	54	2.1	4.9	6.2	36	0.59	0.071
STD DS8	Standard	13.2	117.8	119.7	315	1.8	42.3	8.7	620	2.55	24.1	2.5	111.2	6.0	61	2.5	5.5	6.9	48	0.69	0.081
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
146318	Soil	17	26	0.83	518	0.087	2	1.68	0.018	0.14	0.2	0.05	5.4	<0.1	<0.05	5	0.6	<0.2
REP 146318	QC	16	25	0.75	485	0.082	2	1.53	0.016	0.12	0.2	0.06	4.9	<0.1	<0.05	5	0.5	<0.2
114311	Soil	43	30	0.61	145	0.115	<1	2.00	0.006	0.37	<0.1	0.02	2.7	0.3	<0.05	5	<0.5	<0.2
REP 114311	QC	44	32	0.63	147	0.118	<1	2.10	0.006	0.37	0.1	0.02	3.0	0.4	<0.05	6	<0.5	<0.2
145245	Soil	18	23	0.35	145	0.043	<1	1.33	0.005	0.07	0.2	0.04	2.5	0.1	<0.05	4	<0.5	<0.2
REP 145245	QC	18	23	0.37	151	0.040	<1	1.38	0.005	0.07	0.2	0.03	2.3	0.2	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	122	0.60	270	0.105	2	0.89	0.079	0.41	2.8	0.19	1.9	5.2	0.19	5	5.2	4.7
STD DS8	Standard	14	108	0.58	260	0.100	3	0.86	0.082	0.40	2.9	0.20	2.2	5.1	0.17	4	4.7	4.8
STD DS8	Standard	16	114	0.61	279	0.123	2	0.91	0.094	0.42	3.0	0.20	2.2	5.4	0.16	5	5.2	5.1
STD DS8	Standard	15	116	0.65	283	0.109	3	0.91	0.087	0.43	3.2	0.21	2.4	5.8	0.17	5	5.6	5.9
STD DS8	Standard	13	106	0.59	266	0.100	2	0.85	0.083	0.39	3.0	0.19	1.8	5.0	0.12	4	5.4	4.8
STD DS8	Standard	16	112	0.56	274	0.119	3	0.85	0.080	0.39	2.8	0.19	2.1	5.1	0.15	5	5.7	4.9
STD DS8	Standard	17	122	0.65	298	0.131	3	0.98	0.094	0.45	3.2	0.20	2.4	5.7	0.17	5	5.6	5.7
STD DS8	Standard	11	113	0.60	245	0.102	3	0.84	0.079	0.43	3.0	0.20	1.9	5.4	0.18	4	4.7	4.6
STD DS8	Standard	11	101	0.53	248	0.094	2	0.77	0.072	0.37	2.6	0.16	1.7	5.0	0.12	4	4.8	4.9
STD DS8	Standard	14	127	0.63	264	0.124	3	0.91	0.083	0.40	3.0	0.20	2.1	5.4	0.20	5	4.9	5.1
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 Canada

Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 23, 2011
Report Date: September 21, 2011
Page: 1 of 9

CERTIFICATE OF ANALYSIS

WHI11001148.1

CLIENT JOB INFORMATION

Project: Wounded Moose
Shipment ID: 20110802141618
P.O. Number
Number of Samples: 214

SAMPLE DISPOSAL

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

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

Invoice To: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	214	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	214	Dry at 60C			WHI
1DX2	214	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

Wounded Moose

Report Date:

September 21, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001148.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
100483	Soil	2.4	62.4	11.7	506	<0.1	73.1	22.8	764	3.35	5.7	3.2	<0.5	12.3	6	0.2	0.2	0.2	25	0.08	0.021
100484	Soil	2.2	31.7	15.1	99	0.1	24.3	10.3	297	3.26	7.1	1.0	<0.5	5.1	9	0.1	0.4	0.3	54	0.06	0.035
100485	Soil	1.0	27.9	9.1	70	<0.1	27.2	11.8	354	2.77	6.8	1.1	3.4	8.7	9	0.1	0.5	0.2	42	0.12	0.032
100486	Soil	1.0	38.0	9.6	64	<0.1	29.3	12.8	351	2.63	8.1	1.4	5.3	13.3	12	<0.1	0.5	0.2	39	0.15	0.041
100487	Soil	1.7	34.2	19.5	91	<0.1	26.7	12.9	341	3.62	6.7	1.9	0.6	12.4	6	<0.1	0.5	0.3	33	0.05	0.019
100488	Soil	1.3	32.1	12.3	70	0.2	32.6	12.4	354	3.31	6.2	1.0	<0.5	7.9	7	<0.1	0.4	0.3	41	0.07	0.027
100489	Soil	1.6	46.2	9.0	92	<0.1	36.4	12.2	266	3.20	5.3	1.8	0.9	10.3	14	<0.1	0.3	0.3	36	0.05	0.027
100490	Soil	1.5	33.9	8.2	68	<0.1	27.6	8.6	230	2.58	6.8	1.3	0.9	7.5	15	<0.1	0.3	0.2	35	0.06	0.025
100491	Soil	1.2	40.9	10.4	68	<0.1	33.6	9.9	262	2.84	5.4	2.5	3.2	13.1	6	<0.1	0.3	0.2	28	0.06	0.020
100492	Soil	1.1	10.4	8.3	26	0.1	9.3	3.4	140	1.44	5.2	0.4	1.5	3.0	9	<0.1	0.3	0.2	34	0.08	0.024
100493	Soil	1.4	30.7	10.0	67	<0.1	30.2	9.9	215	2.73	6.5	1.3	21.4	6.7	9	<0.1	0.5	0.2	44	0.05	0.017
100494	Soil	1.2	42.3	9.5	61	0.3	28.3	10.6	359	2.52	8.8	1.6	6.9	5.7	14	<0.1	0.5	0.2	46	0.09	0.030
100495	Soil	1.3	51.2	14.3	94	<0.1	44.4	19.5	1026	3.64	4.6	1.7	3.6	16.1	10	<0.1	0.3	0.4	39	0.11	0.035
100496	Soil	0.9	22.5	10.2	54	<0.1	19.9	8.8	222	2.58	7.7	1.0	1.8	6.7	11	<0.1	0.5	0.2	43	0.11	0.024
100497	Soil	0.6	25.3	8.8	59	<0.1	21.3	9.9	242	2.56	5.7	1.6	0.8	8.3	13	<0.1	0.3	0.2	41	0.19	0.049
100498	Soil	0.8	27.7	10.0	56	<0.1	22.5	9.8	229	2.58	7.4	1.1	3.0	9.2	10	<0.1	0.5	0.2	42	0.12	0.030
100499	Soil	1.2	43.2	15.4	91	<0.1	34.0	15.1	359	3.72	5.6	1.9	0.6	12.6	9	<0.1	0.3	0.2	48	0.09	0.025
100500	Soil	0.8	27.0	14.9	83	<0.1	28.0	14.4	323	3.95	8.3	1.2	0.8	15.1	7	<0.1	0.4	0.2	40	0.08	0.035
100501	Soil	1.1	50.0	16.9	81	0.1	31.6	12.8	361	3.80	12.3	1.4	2.0	6.8	7	0.2	0.7	0.3	54	0.06	0.025
100502	Soil	0.9	38.8	13.5	67	<0.1	25.9	11.9	298	3.62	8.4	1.4	2.9	9.0	8	<0.1	0.5	0.2	48	0.07	0.022
100503	Soil	0.9	21.2	12.4	58	<0.1	21.1	11.1	297	3.38	8.7	0.8	4.1	6.8	7	0.1	0.7	0.3	54	0.08	0.019
100504	Soil	1.0	18.8	10.9	51	<0.1	19.6	9.2	194	3.32	9.0	0.8	2.9	5.9	7	0.1	0.5	0.2	48	0.07	0.022
100505	Soil	0.5	19.6	10.9	46	<0.1	17.3	7.4	142	2.62	5.5	1.0	0.8	5.8	7	<0.1	0.2	0.2	43	0.07	0.032
100506	Soil	1.1	45.7	12.8	102	<0.1	39.9	19.3	533	5.37	5.4	1.2	0.7	12.6	9	<0.1	0.2	1.0	50	0.11	0.042
100507	Soil	0.6	31.7	10.7	76	<0.1	31.4	14.9	323	4.00	5.7	1.0	2.7	12.0	6	<0.1	0.3	0.3	42	0.06	0.029
100508	Soil	0.9	18.8	10.8	51	<0.1	18.5	8.1	196	3.03	6.6	0.7	2.9	6.6	7	<0.1	0.4	0.3	47	0.07	0.017
100509	Soil	0.9	31.6	11.1	71	<0.1	29.0	15.2	372	3.85	6.1	2.2	2.0	13.0	7	<0.1	0.3	0.3	42	0.07	0.022
100510	Soil	1.0	30.4	12.5	78	<0.1	30.1	14.1	321	4.01	7.6	1.3	2.3	11.9	8	<0.1	0.3	0.3	47	0.08	0.027
100511	Soil	0.7	49.1	14.8	102	<0.1	41.8	18.3	642	4.76	7.5	1.9	2.9	20.4	7	<0.1	0.2	0.5	38	0.10	0.039
100512	Soil	0.9	31.1	22.4	93	<0.1	24.3	11.1	303	3.33	7.1	1.8	<0.5	9.9	9	0.1	0.4	0.2	45	0.08	0.019



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
100483	Soil	24	23	0.61	130	0.070	<1	1.81	0.003	0.44	<0.1	0.01	3.6	0.5	<0.05	4	<0.5	<0.2
100484	Soil	13	27	0.54	122	0.074	<1	1.71	0.008	0.16	0.1	0.01	2.0	0.2	<0.05	6	<0.5	<0.2
100485	Soil	27	26	0.56	107	0.078	<1	1.40	0.005	0.21	0.1	0.03	2.5	0.2	<0.05	4	<0.5	<0.2
100486	Soil	25	28	0.58	96	0.069	1	1.38	0.005	0.20	0.1	0.02	2.7	0.2	<0.05	4	<0.5	<0.2
100487	Soil	16	25	0.38	77	0.014	<1	1.50	0.002	0.16	<0.1	0.02	2.8	0.3	<0.05	4	<0.5	<0.2
100488	Soil	14	30	0.40	97	0.036	<1	1.56	0.003	0.14	<0.1	0.04	2.6	0.3	<0.05	4	<0.5	<0.2
100489	Soil	24	21	0.17	88	0.007	1	0.91	0.003	0.11	<0.1	0.01	3.6	0.2	<0.05	3	<0.5	<0.2
100490	Soil	20	20	0.19	83	0.010	<1	0.86	0.003	0.07	<0.1	0.02	2.6	0.1	<0.05	3	<0.5	<0.2
100491	Soil	31	36	0.44	93	0.031	<1	1.29	0.002	0.21	<0.1	0.02	3.4	0.3	<0.05	4	<0.5	<0.2
100492	Soil	11	15	0.16	69	0.034	<1	0.65	0.003	0.05	0.1	0.01	1.1	0.1	<0.05	4	<0.5	<0.2
100493	Soil	17	35	0.38	112	0.034	<1	1.36	0.004	0.05	0.1	0.02	2.6	0.2	<0.05	4	<0.5	<0.2
100494	Soil	23	28	0.39	188	0.034	1	1.57	0.006	0.05	0.1	0.04	3.3	0.2	<0.05	4	<0.5	<0.2
100495	Soil	39	31	0.63	149	0.095	<1	1.65	0.004	0.46	<0.1	0.02	4.2	0.5	<0.05	5	<0.5	<0.2
100496	Soil	18	26	0.47	144	0.062	1	1.41	0.005	0.09	0.2	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
100497	Soil	36	25	0.56	154	0.087	<1	1.37	0.005	0.18	0.1	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
100498	Soil	29	24	0.48	101	0.070	<1	1.40	0.004	0.14	0.1	0.01	2.3	0.2	<0.05	4	<0.5	<0.2
100499	Soil	36	34	0.71	195	0.111	<1	2.17	0.006	0.49	<0.1	0.02	2.7	0.4	<0.05	6	<0.5	<0.2
100500	Soil	19	29	0.55	114	0.090	2	2.18	0.005	0.38	0.1	0.02	3.5	0.3	<0.05	5	1.4	<0.2
100501	Soil	16	32	0.49	141	0.050	2	2.18	0.005	0.08	0.2	0.04	3.7	0.1	<0.05	5	1.0	<0.2
100502	Soil	20	28	0.56	146	0.067	1	1.90	0.005	0.20	0.2	0.04	3.7	0.2	<0.05	5	<0.5	<0.2
100503	Soil	14	31	0.40	140	0.066	2	1.83	0.007	0.09	0.2	0.02	2.9	0.2	<0.05	5	1.0	<0.2
100504	Soil	12	29	0.41	117	0.058	<1	1.87	0.006	0.12	0.2	0.04	3.0	0.2	<0.05	5	1.4	<0.2
100505	Soil	18	23	0.40	90	0.075	2	1.49	0.005	0.23	<0.1	0.03	2.8	0.2	<0.05	6	1.0	<0.2
100506	Soil	18	39	0.95	104	0.147	1	2.20	0.005	0.63	<0.1	0.02	3.2	0.5	<0.05	7	1.0	<0.2
100507	Soil	22	30	0.74	94	0.104	<1	2.02	0.005	0.43	<0.1	<0.01	3.1	0.4	<0.05	6	<0.5	<0.2
100508	Soil	14	26	0.41	98	0.073	1	1.61	0.005	0.12	0.2	0.02	2.5	0.2	<0.05	5	0.8	<0.2
100509	Soil	42	31	0.65	143	0.095	1	2.11	0.008	0.27	0.1	0.03	4.8	0.3	<0.05	5	<0.5	<0.2
100510	Soil	24	34	0.74	126	0.106	<1	2.14	0.006	0.36	0.1	0.02	3.8	0.3	<0.05	6	0.6	<0.2
100511	Soil	52	32	0.94	203	0.127	<1	2.20	0.008	0.75	<0.1	0.02	4.9	0.6	<0.05	6	1.2	<0.2
100512	Soil	35	29	0.57	147	0.087	1	1.73	0.006	0.21	0.1	0.03	4.4	0.2	<0.05	5	1.0	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
100513	Soil	1.2	43.2	17.5	130	<0.1	30.6	13.5	545	3.61	6.5	2.3	0.7	12.6	9	0.2	0.4	0.3	41	0.07	0.023
100514	Soil	1.1	43.7	12.8	89	<0.1	35.1	17.9	592	4.38	7.7	2.1	2.4	14.1	8	<0.1	0.2	0.3	41	0.11	0.042
100515	Soil	0.7	22.7	10.2	57	<0.1	22.1	11.9	311	3.43	8.2	1.2	3.4	9.3	9	<0.1	0.4	0.2	47	0.08	0.016
100516	Soil	0.8	35.9	12.2	78	<0.1	33.8	15.9	321	4.03	7.3	1.1	3.2	11.5	8	<0.1	0.5	0.3	47	0.10	0.035
100517	Soil	1.0	30.6	10.6	72	<0.1	27.9	13.1	255	4.05	6.8	1.0	0.6	9.7	6	<0.1	0.3	0.3	47	0.06	0.029
100518	Soil	0.9	20.8	10.1	61	<0.1	20.9	9.5	218	3.64	6.3	1.0	0.6	6.5	8	<0.1	0.3	0.2	53	0.08	0.056
100519	Soil	2.2	36.2	15.3	76	<0.1	21.6	8.9	255	3.86	8.8	1.5	1.7	4.8	14	0.1	0.5	0.3	56	0.07	0.035
110708	Soil	0.8	33.8	13.4	62	<0.1	25.9	8.3	276	3.15	12.7	1.3	4.5	8.8	21	<0.1	1.0	0.2	49	0.27	0.049
110709	Soil	0.7	17.1	10.9	48	<0.1	15.4	7.0	215	2.01	7.7	1.0	1.4	7.8	12	0.1	0.7	0.1	39	0.16	0.032
110710	Soil	0.7	16.6	13.9	54	<0.1	14.9	7.0	251	2.05	7.9	1.3	4.1	10.9	10	<0.1	0.8	0.1	37	0.14	0.040
110711	Soil	0.9	23.3	13.5	54	<0.1	19.1	8.6	289	2.57	10.5	1.1	0.8	9.0	18	0.1	1.0	0.2	44	0.20	0.031
110712	Soil	1.0	18.0	14.8	43	<0.1	14.0	5.3	142	2.12	8.9	1.0	1.9	6.3	12	0.1	0.7	0.3	43	0.13	0.070
110713	Soil	0.8	9.2	12.4	59	<0.1	10.0	6.9	374	1.85	7.2	1.8	2.6	18.3	8	<0.1	1.0	0.2	24	0.13	0.046
110714	Soil	1.3	23.1	16.2	68	<0.1	20.7	10.8	362	3.42	47.8	1.7	3.3	10.6	12	0.1	6.4	0.2	41	0.11	0.043
110715	Soil	0.6	15.8	13.0	55	<0.1	14.6	7.2	319	2.04	10.0	2.0	1.1	19.1	15	0.2	1.8	0.2	31	0.17	0.039
110716	Soil	0.6	46.8	20.4	112	<0.1	36.0	16.2	401	5.94	78.0	2.6	1.9	27.0	13	<0.1	1.7	0.3	37	0.26	0.073
110717	Soil	0.5	41.5	9.5	92	<0.1	39.2	16.9	658	4.35	9.4	1.2	4.2	12.9	14	<0.1	0.6	0.3	47	0.18	0.047
110718	Soil	0.2	31.9	10.0	133	<0.1	36.6	19.2	801	5.03	13.7	1.0	2.5	15.4	15	<0.1	0.9	<0.1	57	0.28	0.064
110719	Soil	0.4	38.7	14.1	80	<0.1	34.2	16.0	593	4.67	13.5	1.5	<0.5	20.3	10	<0.1	1.3	0.2	43	0.18	0.055
110720	Soil	0.7	22.3	8.4	90	<0.1	28.2	13.1	510	3.61	9.0	1.1	<0.5	10.0	13	<0.1	0.9	<0.1	43	0.21	0.050
110721	Soil	0.3	32.0	15.5	99	<0.1	37.4	16.6	595	4.84	43.3	1.3	1.7	19.7	10	0.1	1.4	0.1	42	0.34	0.075
110722	Soil	0.4	26.1	10.3	87	<0.1	41.5	15.6	331	4.13	14.0	0.9	2.1	16.3	10	<0.1	0.5	0.2	37	0.22	0.054
110723	Soil	0.4	31.9	13.1	107	<0.1	34.0	17.2	580	4.56	14.2	0.9	<0.5	13.9	11	<0.1	0.6	0.1	42	0.27	0.065
110724	Soil	0.4	36.1	17.9	101	<0.1	36.1	16.9	557	3.94	20.7	1.0	2.1	19.3	13	<0.1	0.7	0.3	44	0.32	0.062
110725	Soil	0.8	39.6	17.2	103	<0.1	46.7	19.2	594	4.17	17.6	1.4	1.2	20.7	9	<0.1	0.8	0.3	43	0.15	0.055
110726	Soil	0.6	25.2	12.4	75	<0.1	39.6	11.6	311	3.16	14.6	1.1	2.2	9.3	12	<0.1	0.8	0.2	44	0.16	0.050
110727	Soil	0.4	26.3	7.6	83	<0.1	106.4	23.2	495	3.75	11.9	0.9	2.6	11.2	20	<0.1	0.5	0.1	73	0.57	0.112
110728	Soil	0.9	18.3	13.2	94	<0.1	19.7	10.6	390	3.32	68.1	1.9	1.7	19.0	21	0.2	1.8	0.3	42	0.42	0.106
110729	Soil	0.8	24.8	13.9	70	<0.1	24.8	11.1	323	3.14	13.2	1.5	1.3	9.4	13	<0.1	0.8	0.3	48	0.16	0.041
110730	Soil	0.6	18.9	13.2	60	<0.1	19.8	8.1	253	3.14	11.5	1.0	1.7	8.3	10	<0.1	0.6	0.3	47	0.10	0.037



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
100513	Soil	52	28	0.71	136	0.098	<1	1.75	0.005	0.39	0.1	0.02	4.5	0.3	<0.05	5	0.9
100514	Soil	50	31	0.83	130	0.125	<1	2.12	0.006	0.62	0.1	0.02	3.8	0.4	<0.05	6	1.1
100515	Soil	24	30	0.49	127	0.082	1	1.77	0.008	0.15	0.1	0.02	4.1	0.2	<0.05	5	0.6
100516	Soil	26	32	0.76	108	0.109	<1	2.01	0.005	0.39	0.1	0.02	3.1	0.3	<0.05	6	1.0
100517	Soil	22	30	0.61	91	0.098	<1	2.01	0.004	0.31	0.1	0.02	3.1	0.3	<0.05	6	0.9
100518	Soil	25	24	0.52	118	0.104	<1	1.67	0.005	0.34	0.1	<0.01	2.4	0.3	<0.05	6	0.6
100519	Soil	16	26	0.38	173	0.057	<1	1.77	0.005	0.13	0.2	0.03	2.9	0.2	<0.05	6	1.4
110708	Soil	23	28	0.44	445	0.065	1	1.74	0.008	0.06	0.3	0.07	6.1	<0.1	<0.05	5	0.9
110709	Soil	21	23	0.37	156	0.064	1	1.33	0.011	0.05	0.2	0.03	3.0	<0.1	<0.05	4	1.0
110710	Soil	29	21	0.38	150	0.064	1	1.33	0.006	0.08	0.3	0.03	3.6	0.1	<0.05	4	<0.5
110711	Soil	21	26	0.38	244	0.067	1	1.46	0.011	0.09	0.3	0.04	5.5	0.1	<0.05	5	1.1
110712	Soil	17	23	0.28	152	0.050	<1	1.50	0.007	0.04	0.2	0.02	3.3	<0.1	<0.05	5	1.2
110713	Soil	27	19	0.38	89	0.063	1	1.25	0.005	0.17	0.3	0.05	2.0	0.2	<0.05	4	<0.5
110714	Soil	27	27	0.43	154	0.054	3	1.67	0.012	0.16	0.2	0.11	3.5	0.2	<0.05	5	1.2
110715	Soil	50	22	0.39	168	0.067	2	1.24	0.006	0.15	0.3	0.05	3.4	0.2	<0.05	4	1.3
110716	Soil	57	36	1.18	323	0.228	1	2.99	0.005	1.43	<0.1	0.02	4.4	0.9	<0.05	9	<0.5
110717	Soil	23	34	0.93	340	0.158	1	2.23	0.008	0.60	0.1	0.02	5.6	0.5	<0.05	7	0.7
110718	Soil	30	55	1.31	261	0.217	<1	2.75	0.006	1.26	<0.1	0.02	4.5	0.7	<0.05	9	0.8
110719	Soil	61	42	0.98	363	0.258	<1	2.35	0.006	1.19	<0.1	0.03	5.2	0.6	<0.05	7	0.7
110720	Soil	39	36	0.77	184	0.133	<1	1.84	0.007	0.53	0.2	0.02	3.9	0.3	<0.05	6	1.2
110721	Soil	42	43	1.06	266	0.222	<1	2.37	0.005	1.19	<0.1	0.02	4.2	0.8	<0.05	7	0.9
110722	Soil	34	39	0.92	212	0.192	<1	2.00	0.007	0.75	<0.1	0.01	3.5	0.6	<0.05	6	0.9
110723	Soil	33	43	1.05	232	0.217	<1	2.36	0.006	1.01	<0.1	<0.01	3.7	0.7	<0.05	7	0.6
110724	Soil	46	40	1.00	229	0.200	<1	2.17	0.006	0.91	0.2	0.02	3.4	0.6	<0.05	7	<0.5
110725	Soil	24	44	0.89	211	0.200	<1	2.11	0.006	0.84	0.1	0.02	3.1	0.6	<0.05	7	<0.5
110726	Soil	42	43	0.69	159	0.123	<1	1.82	0.007	0.38	0.1	0.03	2.8	0.3	<0.05	6	<0.5
110727	Soil	53	330	2.26	479	0.206	<1	2.96	0.009	1.05	0.2	0.01	2.9	0.5	<0.05	8	<0.5
110728	Soil	46	47	0.83	305	0.099	<1	1.87	0.007	0.55	0.2	0.03	3.4	0.5	<0.05	7	<0.5
110729	Soil	42	33	0.57	159	0.100	<1	1.67	0.007	0.23	0.2	0.03	3.4	0.2	<0.05	6	<0.5
110730	Soil	23	31	0.47	101	0.098	<1	1.74	0.009	0.18	0.1	0.02	2.5	0.2	<0.05	6	<0.5



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
110731	Soil	0.8	47.4	17.4	117	<0.1	42.7	20.1	559	4.53	15.0	1.4	1.1	18.3	10	0.1	0.5	0.4	46	0.17	0.075
110732	Soil	0.8	28.9	12.0	86	0.2	32.9	12.4	346	3.48	18.8	1.3	1.9	10.3	14	0.1	1.0	0.2	49	0.21	0.047
110733	Soil	0.7	27.0	10.2	90	<0.1	29.8	14.6	431	3.57	14.8	1.0	4.8	10.9	13	0.1	0.8	0.2	45	0.22	0.072
110734	Soil	0.6	22.8	12.7	78	<0.1	25.5	12.1	310	3.17	9.7	1.2	2.6	11.9	12	<0.1	0.4	0.2	43	0.16	0.044
110735	Soil	0.9	20.1	13.5	75	<0.1	20.8	9.8	286	2.90	12.2	1.1	3.4	10.2	12	0.1	0.4	0.3	43	0.13	0.038
110736	Soil	0.9	23.2	13.5	82	0.1	25.4	13.0	357	3.21	11.3	1.5	7.4	7.6	18	0.1	0.7	0.2	43	0.23	0.058
110737	Soil	0.6	23.3	11.4	86	<0.1	24.9	12.7	330	3.33	12.0	1.2	1.6	9.6	12	<0.1	0.6	0.2	48	0.17	0.063
110738	Soil	0.8	11.4	10.8	61	<0.1	16.0	6.7	201	2.37	11.0	0.8	22.3	2.7	11	0.1	0.4	0.2	44	0.13	0.046
110739	Soil	0.9	12.2	14.6	66	0.1	16.6	8.6	269	2.98	14.9	1.0	2.9	8.6	14	<0.1	0.5	0.2	50	0.15	0.028
110740	Soil	0.8	13.2	14.0	72	<0.1	18.8	9.8	293	3.11	16.2	1.1	2.1	9.9	13	0.1	0.6	0.2	51	0.14	0.031
101836	Soil	0.5	62.0	6.1	79	<0.1	28.5	17.7	468	3.35	4.1	1.7	3.1	4.8	17	0.1	0.3	<0.1	93	0.25	0.018
101837	Soil	0.7	36.6	7.8	74	<0.1	20.4	13.0	452	3.33	8.6	0.4	1.9	3.3	11	<0.1	0.5	0.1	63	0.15	0.026
101838	Soil	0.5	30.6	5.1	65	<0.1	13.8	9.9	414	3.19	4.9	0.7	1.2	3.5	9	<0.1	0.4	<0.1	48	0.12	0.017
101839	Soil	0.6	28.5	5.3	61	<0.1	13.9	9.7	449	2.99	3.3	0.5	2.8	3.2	9	<0.1	0.4	<0.1	54	0.19	0.051
101840	Soil	0.8	55.9	6.7	118	<0.1	20.0	11.1	611	3.79	1.8	0.7	2.4	3.5	13	0.1	1.9	0.2	78	0.40	0.075
101841	Soil	0.8	57.7	5.7	112	<0.1	17.9	9.2	511	3.59	2.4	0.7	1.3	3.7	14	0.2	1.9	0.2	70	0.41	0.067
101842	Soil	2.8	35.3	4.7	38	0.1	4.2	3.1	216	3.55	0.9	0.4	4.8	4.2	36	<0.1	0.1	0.2	29	0.19	0.069
101843	Soil	4.1	56.7	3.3	64	<0.1	7.5	13.7	643	5.20	1.9	0.7	8.2	3.6	24	<0.1	0.2	0.1	99	0.21	0.071
101844	Soil	19.6	393.0	4.8	58	0.5	4.2	9.5	140	7.92	1.9	1.3	26.6	3.3	35	<0.1	0.2	0.6	52	0.17	0.066
101845	Soil	1.9	20.5	4.4	93	<0.1	8.3	15.0	536	6.01	3.4	1.0	<0.5	4.6	8	0.1	0.2	0.1	96	0.17	0.073
101846	Soil	0.3	7.6	2.4	53	<0.1	4.0	6.0	608	2.77	3.3	0.2	<0.5	1.0	14	0.1	0.2	<0.1	40	0.51	0.199
101847	Soil	0.5	25.5	4.8	47	<0.1	5.1	5.4	763	2.34	2.8	0.7	1.7	5.5	12	<0.1	0.3	0.2	25	0.31	0.067
101848	Soil	0.5	17.5	2.5	69	<0.1	4.4	8.6	531	3.85	3.7	0.6	<0.5	3.0	10	<0.1	0.3	<0.1	61	0.18	0.045
101849	Soil	0.7	48.4	4.4	67	<0.1	7.8	9.2	631	3.83	9.7	0.4	<0.5	3.4	9	<0.1	0.2	<0.1	76	0.17	0.055
101850	Soil	1.2	41.3	3.3	55	0.2	43.0	30.4	495	2.94	7.3	0.2	1.1	1.2	10	<0.1	0.3	<0.1	65	0.41	0.117
101851	Soil	0.9	116.6	1.6	78	<0.1	15.6	11.1	1076	4.56	2.5	0.3	2.1	0.9	16	<0.1	0.1	<0.1	138	0.17	0.024
101852	Soil	0.9	102.7	3.2	92	<0.1	25.0	15.8	723	4.56	2.9	0.3	<0.5	1.9	11	<0.1	0.2	<0.1	100	0.27	0.033
101853	Soil	1.0	53.2	4.7	53	0.1	12.2	8.0	490	3.49	4.8	0.3	2.2	2.6	9	<0.1	0.3	0.2	84	0.11	0.039
101854	Soil	0.9	47.6	7.9	55	<0.1	25.4	10.6	275	2.99	8.9	0.6	2.9	4.3	16	<0.1	0.6	0.1	68	0.18	0.017
101855	Soil	1.2	38.1	8.1	70	<0.1	11.0	12.0	725	4.10	5.0	0.8	<0.5	6.4	8	<0.1	0.2	0.3	78	0.14	0.022



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
110731	Soil	36	44	0.95	173	0.193	<1	2.39	0.007	0.86	0.1	0.02	3.2	0.6	<0.05	8	<0.5
110732	Soil	23	40	0.79	152	0.172	1	1.91	0.007	0.44	0.1	0.03	3.2	0.4	<0.05	6	<0.5
110733	Soil	21	37	0.81	187	0.155	<1	1.89	0.008	0.51	0.2	<0.01	2.7	0.4	<0.05	6	<0.5
110734	Soil	35	33	0.69	146	0.150	1	1.73	0.008	0.41	0.1	0.02	2.8	0.3	<0.05	6	<0.5
110735	Soil	27	29	0.65	119	0.141	<1	1.65	0.006	0.34	0.1	0.03	2.3	0.3	<0.05	6	<0.5
110736	Soil	38	32	0.70	205	0.116	1	1.77	0.007	0.32	0.2	0.06	2.9	0.3	<0.05	6	<0.5
110737	Soil	26	34	0.74	144	0.135	2	1.89	0.008	0.38	0.3	0.03	2.8	0.3	<0.05	6	<0.5
110738	Soil	18	26	0.42	86	0.068	1	1.44	0.006	0.09	0.2	0.04	1.8	0.1	<0.05	5	<0.5
110739	Soil	22	35	0.61	121	0.122	<1	1.72	0.009	0.18	0.2	0.01	2.4	0.3	<0.05	7	<0.5
110740	Soil	23	35	0.68	116	0.123	2	1.89	0.009	0.20	0.2	0.03	2.3	0.3	<0.05	7	<0.5
101836	Soil	19	87	1.82	793	0.237	1	2.67	0.013	0.56	0.1	0.04	6.4	0.3	<0.05	8	<0.5
101837	Soil	9	34	1.00	224	0.153	1	2.21	0.009	0.31	0.2	0.02	3.8	0.2	<0.05	6	<0.5
101838	Soil	15	22	0.86	244	0.152	<1	2.02	0.008	0.46	0.1	0.01	5.1	0.3	<0.05	6	<0.5
101839	Soil	9	27	1.08	299	0.129	1	2.06	0.011	0.47	0.1	<0.01	5.1	0.3	<0.05	6	<0.5
101840	Soil	14	48	1.68	703	0.147	2	2.63	0.013	0.95	<0.1	0.14	8.7	0.4	<0.05	9	<0.5
101841	Soil	16	41	1.43	674	0.117	2	2.39	0.013	0.79	<0.1	0.15	8.5	0.2	<0.05	8	<0.5
101842	Soil	23	6	1.03	450	0.084	<1	1.49	0.024	0.63	<0.1	<0.01	3.2	0.3	0.29	5	<0.5
101843	Soil	16	11	1.52	855	0.187	<1	2.54	0.011	1.17	<0.1	0.01	9.8	0.3	0.09	10	<0.5
101844	Soil	16	6	0.82	213	0.099	<1	1.81	0.098	1.07	<0.1	0.02	6.9	0.5	1.16	7	1.5
101845	Soil	15	15	1.61	396	0.198	<1	3.16	0.010	0.82	0.1	<0.01	13.5	0.3	<0.05	13	<0.5
101846	Soil	7	5	1.78	197	0.184	1	2.95	0.010	0.66	<0.1	<0.01	3.4	0.4	<0.05	8	<0.5
101847	Soil	34	19	0.80	261	0.096	<1	1.45	0.004	0.46	<0.1	<0.01	6.3	0.3	<0.05	6	<0.5
101848	Soil	16	7	1.13	214	0.158	<1	2.44	0.008	0.48	0.1	<0.01	9.2	0.2	<0.05	11	<0.5
101849	Soil	11	13	1.46	282	0.232	<1	2.79	0.007	0.94	0.2	<0.01	3.0	0.5	<0.05	8	0.5
101850	Soil	3	80	0.86	182	0.113	<1	2.25	0.024	0.13	0.1	0.01	3.8	<0.1	<0.05	6	<0.5
101851	Soil	7	33	2.98	957	0.341	<1	3.71	0.017	1.70	0.2	<0.01	5.9	0.5	<0.05	10	<0.5
101852	Soil	6	256	2.21	570	0.266	<1	3.14	0.015	1.36	0.1	<0.01	2.8	0.4	<0.05	7	<0.5
101853	Soil	6	17	1.11	390	0.194	1	2.02	0.009	0.52	0.1	0.02	4.5	0.2	0.09	7	<0.5
101854	Soil	18	33	0.96	340	0.131	1	1.91	0.011	0.11	0.1	<0.01	5.1	0.1	<0.05	6	<0.5
101855	Soil	16	31	1.40	460	0.263	<1	2.23	0.007	1.28	0.2	0.01	6.8	0.6	<0.05	9	<0.5



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Project:

Wounded Moose

Report Date:

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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
101856	Soil	0.7	67.7	4.3	81	0.1	21.2	25.3	649	4.10	5.7	0.3	0.6	1.7	8	<0.1	0.2	<0.1	115	0.19	0.025
101857	Soil	1.4	127.7	3.3	101	<0.1	13.5	6.6	698	4.61	4.3	0.6	2.8	3.0	49	<0.1	<0.1	0.2	141	0.31	0.043
101858	Soil	0.6	10.0	5.5	50	<0.1	8.7	7.3	551	3.46	5.8	0.3	1.3	1.2	7	<0.1	0.2	0.1	78	0.31	0.104
101859	Soil	0.7	20.1	5.3	51	<0.1	7.6	5.0	341	2.16	23.3	0.3	<0.5	1.6	6	<0.1	0.5	0.1	37	0.20	0.064
101860	Soil	2.6	20.6	3.0	49	<0.1	5.2	9.7	690	4.81	3.2	0.4	0.9	2.0	51	<0.1	0.2	0.2	72	0.20	0.058
101861	Soil	0.5	17.6	1.1	64	<0.1	2.9	9.2	667	5.25	1.4	0.3	1.3	3.3	4	<0.1	0.2	<0.1	124	0.15	0.039
101862	Soil	0.7	124.0	2.9	68	<0.1	10.1	17.5	670	5.02	3.7	0.3	1.0	1.0	7	<0.1	0.3	<0.1	152	0.24	0.055
101863	Soil	1.5	83.4	6.9	58	<0.1	12.2	11.6	355	3.91	5.9	0.7	4.1	2.9	12	<0.1	0.3	0.1	73	0.23	0.055
101864	Soil	1.3	27.7	4.9	44	0.3	10.0	11.3	265	3.61	3.4	1.2	8.9	2.3	25	<0.1	0.2	0.1	69	0.37	0.058
101865	Soil	1.5	25.4	9.9	52	0.1	13.4	6.4	210	3.04	7.1	1.0	5.7	4.1	21	<0.1	0.4	0.2	61	0.23	0.031
101866	Soil	1.0	38.8	6.3	76	<0.1	21.3	11.1	731	3.63	3.5	1.1	3.0	6.7	21	<0.1	0.5	0.1	68	0.42	0.066
101867	Soil	0.9	40.7	10.4	104	<0.1	15.9	9.0	397	3.15	5.4	0.7	3.7	3.5	14	<0.1	0.6	0.1	62	0.26	0.046
101868	Soil	0.4	54.2	4.5	166	<0.1	18.7	11.7	529	4.05	1.5	0.5	2.3	3.0	8	<0.1	0.1	0.2	82	0.26	0.046
101869	Soil	0.5	27.8	3.3	97	<0.1	10.3	12.2	978	4.59	13.4	1.1	3.1	3.9	12	<0.1	0.8	<0.1	64	0.24	0.022
101870	Soil	0.9	35.0	9.7	66	<0.1	19.5	9.1	403	3.07	9.0	0.8	2.6	3.7	13	<0.1	0.6	0.1	61	0.16	0.027
114331	Soil	0.7	52.8	8.1	93	<0.1	17.0	9.7	322	2.95	6.7	0.7	7.3	3.8	12	0.1	0.4	0.2	62	0.20	0.018
114332	Soil	1.1	17.5	8.9	49	<0.1	12.5	7.7	312	2.69	7.7	0.7	3.0	3.2	10	<0.1	0.3	0.1	52	0.11	0.036
114333	Soil	0.5	18.0	3.5	41	0.1	8.2	9.2	758	3.82	3.5	0.8	6.5	2.6	14	<0.1	0.4	0.1	50	0.54	0.151
114334	Soil	1.9	9.1	4.2	16	0.3	4.4	2.9	91	1.45	1.8	0.7	5.5	2.4	13	<0.1	0.2	0.1	17	0.12	0.025
114335	Soil	1.1	33.3	2.2	52	0.1	4.7	14.4	405	4.43	1.7	0.6	4.8	1.8	11	<0.1	0.2	<0.1	110	0.34	0.071
114336	Soil	1.2	18.4	7.1	44	0.2	10.0	7.2	260	2.61	5.1	0.8	3.9	3.1	14	<0.1	0.3	0.1	52	0.20	0.038
114337	Soil	1.8	21.2	5.4	54	0.1	9.2	9.7	447	3.02	4.3	0.7	5.8	3.8	12	<0.1	0.3	0.1	53	0.30	0.063
114338	Soil	1.3	23.2	5.7	50	0.2	9.6	8.0	348	2.65	4.1	0.6	4.8	3.8	12	<0.1	0.2	0.1	53	0.28	0.052
114339	Soil	0.8	29.8	4.9	69	0.2	19.8	14.4	584	3.22	3.9	1.2	3.2	4.5	15	<0.1	0.3	0.1	63	0.39	0.086
114340	Soil	0.8	32.0	6.2	69	0.3	19.0	13.2	533	3.13	4.1	1.4	2.7	4.6	15	<0.1	0.3	0.1	60	0.38	0.081
114341	Soil	0.8	20.7	4.6	46	0.1	9.5	7.5	444	2.73	4.0	0.8	4.3	2.4	14	<0.1	0.3	<0.1	57	0.45	0.050
114342	Soil	0.6	34.3	5.9	54	0.2	20.2	14.7	895	3.00	7.5	1.1	1.8	2.9	17	0.1	0.3	0.1	78	0.75	0.060
114343	Soil	0.3	29.3	1.6	39	<0.1	15.4	8.2	435	3.36	2.1	0.9	2.4	9.6	9	<0.1	0.2	<0.1	90	0.33	0.042
114344	Soil	0.7	54.7	5.3	40	<0.1	14.5	6.9	361	2.55	5.6	1.1	<0.5	10.2	11	<0.1	0.4	0.1	47	0.21	0.014
114345	Soil	0.7	62.2	5.5	49	<0.1	17.5	9.4	458	2.99	3.8	1.1	3.3	8.5	9	<0.1	0.3	0.2	67	0.20	0.024



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
101856	Soil	5	28	1.71	353	0.270	<1	3.01	0.012	0.96	0.1	0.01	3.1	0.4	<0.05	7	<0.5	<0.2
101857	Soil	8	59	2.27	668	0.268	<1	3.42	0.023	1.10	<0.1	0.02	7.0	0.5	0.28	10	0.7	<0.2
101858	Soil	4	12	1.15	263	0.190	<1	2.05	0.007	0.69	0.2	0.01	4.0	0.2	<0.05	8	<0.5	<0.2
101859	Soil	3	11	0.71	91	0.075	<1	1.65	0.008	0.17	<0.1	<0.01	1.6	0.1	<0.05	6	<0.5	<0.2
101860	Soil	8	8	1.17	389	0.164	<1	2.29	0.009	0.58	<0.1	0.02	4.8	0.3	<0.05	6	0.6	<0.2
101861	Soil	10	5	1.82	473	0.249	<1	3.29	0.007	1.14	<0.1	0.01	16.5	0.5	<0.05	14	<0.5	<0.2
101862	Soil	3	8	1.75	413	0.326	<1	3.39	0.014	1.04	0.2	0.01	5.5	0.4	<0.05	10	0.6	<0.2
101863	Soil	10	21	0.84	252	0.105	<1	2.02	0.007	0.32	0.1	0.03	5.5	0.2	<0.05	7	0.5	<0.2
101864	Soil	13	19	0.94	547	0.095	<1	1.84	0.010	0.30	<0.1	0.06	7.2	0.1	<0.05	7	0.7	<0.2
101865	Soil	13	29	0.79	292	0.086	<1	1.92	0.012	0.09	0.1	0.05	4.5	<0.1	<0.05	7	0.8	<0.2
101866	Soil	20	58	1.58	694	0.149	<1	2.30	0.009	0.79	0.1	0.04	8.5	0.3	<0.05	8	<0.5	<0.2
101867	Soil	10	29	0.97	302	0.109	<1	2.07	0.009	0.25	0.2	0.03	5.2	0.2	<0.05	6	<0.5	<0.2
101868	Soil	21	47	2.22	556	0.210	<1	3.38	0.012	1.18	0.1	<0.01	8.9	0.4	<0.05	11	<0.5	<0.2
101869	Soil	13	10	1.43	401	0.248	<1	2.68	0.010	0.89	0.2	0.05	11.0	0.4	<0.05	10	<0.5	<0.2
101870	Soil	20	34	0.73	303	0.095	<1	1.78	0.010	0.12	0.2	0.02	6.2	0.1	<0.05	7	<0.5	<0.2
114331	Soil	12	28	0.90	287	0.114	<1	1.96	0.012	0.21	0.2	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
114332	Soil	12	22	0.50	187	0.069	<1	1.42	0.009	0.08	0.2	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
114333	Soil	15	10	1.31	312	0.187	<1	2.28	0.008	0.68	0.4	0.03	8.7	0.4	<0.05	8	<0.5	<0.2
114334	Soil	6	7	0.32	205	0.027	<1	0.69	0.007	0.12	<0.1	0.04	2.5	<0.1	0.10	2	0.7	0.3
114335	Soil	8	7	1.27	527	0.179	<1	2.03	0.014	0.81	0.1	0.02	6.7	0.2	<0.05	8	0.5	0.2
114336	Soil	12	22	0.63	231	0.072	<1	1.37	0.009	0.09	0.1	0.04	4.1	<0.1	<0.05	5	0.5	<0.2
114337	Soil	13	17	0.88	289	0.122	<1	1.73	0.008	0.25	0.1	0.03	5.2	0.2	<0.05	6	<0.5	<0.2
114338	Soil	11	19	0.74	263	0.124	<1	1.54	0.007	0.25	0.1	0.03	3.9	0.2	<0.05	6	<0.5	<0.2
114339	Soil	34	31	1.19	432	0.155	<1	2.12	0.009	0.48	0.1	0.02	5.0	0.3	<0.05	6	<0.5	<0.2
114340	Soil	36	29	1.10	412	0.138	<1	2.02	0.010	0.42	0.1	0.04	4.9	0.3	<0.05	6	<0.5	<0.2
114341	Soil	10	14	0.90	352	0.131	<1	1.62	0.010	0.30	0.1	0.02	5.4	0.2	<0.05	6	<0.5	<0.2
114342	Soil	12	104	1.12	520	0.134	1	1.86	0.013	0.35	0.1	0.05	5.7	0.2	<0.05	6	<0.5	<0.2
114343	Soil	51	22	1.28	361	0.192	<1	1.93	0.012	0.53	0.1	0.03	8.8	0.4	<0.05	7	<0.5	<0.2
114344	Soil	15	22	0.77	334	0.117	1	1.48	0.010	0.27	0.1	0.03	4.9	0.2	<0.05	5	<0.5	<0.2
114345	Soil	34	30	1.00	325	0.125	<1	1.63	0.010	0.39	<0.1	0.04	6.1	0.2	<0.05	6	<0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
114346	Soil	0.8	49.7	3.9	48	<0.1	16.5	8.7	386	3.23	3.9	0.8	<0.5	6.5	11	<0.1	0.4	0.1	58	0.23	0.032
114347	Soil	1.0	113.7	3.4	67	<0.1	19.6	13.7	716	4.35	2.1	0.8	0.5	6.9	13	<0.1	0.2	0.2	96	0.31	0.046
114348	Soil	1.4	81.9	2.3	80	<0.1	26.3	11.5	357	3.56	2.4	0.6	0.5	2.0	16	<0.1	0.2	0.2	88	0.37	0.059
114349	Soil	0.9	75.2	2.5	49	<0.1	15.5	12.4	448	3.61	2.6	0.7	1.8	4.6	15	<0.1	0.3	0.2	86	0.31	0.046
114350	Soil	0.9	39.4	3.7	39	0.1	13.6	9.3	391	3.50	5.0	0.5	<0.5	5.0	8	<0.1	0.3	0.1	76	0.13	0.033
114351	Soil	0.6	61.2	3.2	67	<0.1	27.1	15.6	521	3.12	3.5	0.8	2.0	5.6	12	<0.1	0.3	0.2	73	0.24	0.037
114352	Soil	0.7	87.9	4.7	61	0.1	16.9	13.4	424	4.04	5.5	0.6	<0.5	5.3	10	<0.1	0.3	0.2	92	0.18	0.036
114353	Soil	1.0	30.0	6.7	50	0.2	16.1	10.1	779	2.83	6.0	0.5	1.1	4.6	14	<0.1	0.4	0.2	62	0.19	0.019
114354	Soil	0.9	46.4	2.2	68	<0.1	7.5	6.6	502	4.57	2.4	0.7	<0.5	4.9	14	<0.1	0.1	0.5	90	0.19	0.066
114355	Soil	0.8	31.3	6.1	78	<0.1	18.0	13.2	548	4.57	4.4	0.6	1.0	5.2	8	<0.1	0.3	0.1	101	0.19	0.043
114356	Soil	0.8	9.9	29.4	33	0.4	9.8	6.6	610	1.99	6.1	0.7	1.0	4.0	10	0.1	0.3	0.2	41	0.14	0.073
114357	Soil	0.5	27.6	5.4	91	<0.1	18.9	10.2	397	3.01	5.3	0.2	<0.5	1.8	8	<0.1	0.3	0.1	91	0.15	0.024
114358	Soil	0.6	8.8	3.6	40	<0.1	7.7	11.2	366	3.43	5.5	0.4	<0.5	2.2	8	<0.1	0.3	<0.1	90	0.17	0.035
114359	Soil	1.8	34.0	5.1	56	0.3	7.3	9.9	685	3.48	4.9	0.4	2.5	2.0	8	<0.1	0.3	0.1	60	0.17	0.075
114360	Soil	1.3	47.6	6.6	59	0.1	9.9	8.7	407	3.26	5.9	0.5	2.1	2.5	8	<0.1	0.4	0.2	60	0.10	0.037
114361	Soil	0.8	40.9	3.8	61	<0.1	13.8	13.4	705	3.77	3.5	0.8	3.4	4.0	11	<0.1	0.3	0.1	96	0.33	0.071
114362	Soil	1.5	31.6	5.8	48	0.2	11.2	9.9	335	3.34	3.5	0.8	8.7	3.5	15	<0.1	0.4	0.1	61	0.20	0.047
114363	Soil	2.4	30.7	5.3	42	0.2	5.1	5.8	200	3.96	1.3	0.7	6.0	4.2	53	<0.1	0.1	0.1	33	0.14	0.072
114364	Soil	1.5	38.1	5.0	53	<0.1	12.1	12.7	370	3.39	1.9	0.9	3.4	12.3	12	<0.1	0.8	0.1	60	0.20	0.033
114365	Soil	2.3	63.2	10.3	105	<0.1	14.4	18.5	769	4.10	1.9	0.9	6.4	3.8	17	0.1	0.2	<0.1	73	0.43	0.098
114366	Soil	0.6	48.9	20.6	82	<0.1	7.6	8.3	470	3.47	1.1	1.3	5.5	4.0	12	<0.1	0.1	<0.1	46	0.27	0.057
114367	Soil	0.6	34.4	4.5	78	<0.1	15.0	8.3	474	3.19	3.5	0.4	1.9	2.5	7	<0.1	0.4	<0.1	35	0.11	0.016
145260	Soil	1.1	26.5	11.3	58	0.1	22.1	8.1	281	2.53	10.2	1.1	7.3	6.1	11	<0.1	0.5	0.2	40	0.09	0.018
145261	Soil	0.8	38.8	17.4	86	<0.1	32.4	13.2	421	4.02	5.1	2.0	1.3	14.7	14	<0.1	0.9	0.4	34	0.08	0.026
145262	Soil	1.1	23.3	12.0	62	0.1	22.5	9.5	389	2.93	8.9	1.1	2.9	7.2	17	<0.1	0.6	0.2	45	0.10	0.026
145263	Soil	0.9	17.6	9.6	55	0.2	19.7	7.6	317	2.42	5.2	0.8	1.6	4.5	13	0.1	0.4	0.2	41	0.11	0.036
145264	Soil	0.7	13.3	14.7	74	0.3	22.8	10.5	215	2.85	3.8	0.7	<0.5	8.6	11	0.1	0.3	0.2	36	0.18	0.137
145265	Soil	0.5	70.2	5.6	54	0.1	22.0	9.6	285	1.91	3.9	1.0	0.6	2.0	22	<0.1	0.4	<0.1	53	0.25	0.031
145266	Soil	0.7	19.5	11.4	47	<0.1	15.4	6.7	178	2.39	9.4	2.5	3.1	11.4	9	<0.1	0.5	0.2	43	0.10	0.022
145267	Soil	0.5	16.0	12.0	37	<0.1	12.6	4.9	179	1.20	8.8	3.6	2.0	18.9	14	0.1	0.9	0.1	21	0.21	0.024



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
114346	Soil	33	33	1.20	545	0.143	<1	1.81	0.008	0.55	0.1	<0.01	7.0	0.2	<0.05	7	<0.5	<0.2
114347	Soil	37	45	1.89	668	0.206	<1	2.52	0.011	1.01	0.1	<0.01	11.5	0.4	<0.05	9	<0.5	<0.2
114348	Soil	14	64	2.04	667	0.155	<1	2.31	0.020	0.86	<0.1	<0.01	6.9	0.3	<0.05	8	<0.5	<0.2
114349	Soil	20	34	1.63	668	0.172	<1	2.17	0.020	0.88	<0.1	0.01	9.6	0.3	<0.05	8	<0.5	<0.2
114350	Soil	6	19	1.20	447	0.214	<1	2.00	0.008	0.86	0.1	<0.01	6.1	0.3	<0.05	8	<0.5	<0.2
114351	Soil	46	88	1.74	685	0.214	<1	2.19	0.012	0.82	0.1	0.02	4.5	0.3	<0.05	6	0.5	<0.2
114352	Soil	12	31	1.45	452	0.207	<1	2.27	0.015	0.80	0.1	0.01	7.1	0.4	<0.05	8	<0.5	<0.2
114353	Soil	10	25	0.76	385	0.109	<1	1.55	0.009	0.32	0.1	0.03	4.2	0.1	<0.05	5	<0.5	<0.2
114354	Soil	38	12	1.91	557	0.217	<1	2.67	0.012	1.31	<0.1	<0.01	11.7	0.4	0.08	11	<0.5	<0.2
114355	Soil	11	42	1.65	353	0.272	<1	2.78	0.014	1.07	0.1	0.02	4.6	0.5	<0.05	8	<0.5	<0.2
114356	Soil	36	20	0.27	309	0.052	<1	1.11	0.007	0.13	0.1	<0.01	2.2	0.1	<0.05	5	0.6	<0.2
114357	Soil	4	34	1.21	214	0.153	<1	2.11	0.008	0.45	<0.1	0.01	6.5	0.2	<0.05	7	<0.5	<0.2
114358	Soil	6	10	1.14	204	0.147	<1	1.97	0.008	0.51	0.1	<0.01	5.6	0.2	<0.05	7	<0.5	<0.2
114359	Soil	6	13	0.85	239	0.132	<1	1.92	0.008	0.37	<0.1	<0.01	5.5	0.2	<0.05	8	0.5	<0.2
114360	Soil	6	18	0.77	161	0.124	<1	1.86	0.007	0.18	0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
114361	Soil	18	27	1.20	647	0.207	<1	2.05	0.007	0.72	0.1	0.02	10.2	0.4	<0.05	8	0.7	<0.2
114362	Soil	13	19	1.02	400	0.097	<1	1.87	0.011	0.27	<0.1	0.05	5.9	0.2	<0.05	6	0.9	<0.2
114363	Soil	20	8	0.72	280	0.068	<1	1.22	0.096	0.62	<0.1	0.03	4.2	0.3	0.65	4	2.8	0.4
114364	Soil	14	28	1.35	667	0.137	<1	2.18	0.010	0.53	<0.1	0.04	7.5	0.3	<0.05	8	<0.5	<0.2
114365	Soil	14	25	2.38	622	0.095	<1	2.81	0.019	0.85	<0.1	0.02	8.9	0.3	<0.05	10	<0.5	<0.2
114366	Soil	16	12	1.57	422	0.147	<1	2.55	0.017	0.89	<0.1	0.01	7.8	0.4	<0.05	8	<0.5	<0.2
114367	Soil	10	22	0.93	210	0.145	<1	2.13	0.006	0.37	0.2	0.02	4.6	0.3	<0.05	6	<0.5	<0.2
145260	Soil	17	25	0.40	114	0.032	<1	1.25	0.005	0.07	0.1	0.04	2.6	0.2	<0.05	4	0.6	<0.2
145261	Soil	44	40	0.52	146	0.053	<1	1.67	0.004	0.29	<0.1	0.09	5.6	0.5	<0.05	5	0.7	<0.2
145262	Soil	18	31	0.46	190	0.043	2	1.75	0.008	0.10	0.2	0.02	4.0	0.2	<0.05	5	<0.5	<0.2
145263	Soil	14	21	0.32	120	0.056	<1	1.06	0.005	0.18	<0.1	0.02	1.9	0.2	<0.05	5	0.5	<0.2
145264	Soil	12	25	0.49	132	0.057	<1	1.49	0.004	0.18	0.1	0.01	1.8	0.2	<0.05	5	<0.5	<0.2
145265	Soil	10	40	0.61	252	0.060	<1	1.22	0.010	0.04	0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
145266	Soil	34	27	0.42	199	0.039	<1	1.45	0.005	0.05	0.1	0.07	3.8	0.1	<0.05	5	0.6	<0.2
145267	Soil	36	15	0.28	164	0.027	<1	0.78	0.006	0.05	0.2	0.05	2.0	<0.1	<0.05	3	<0.5	<0.2



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
145268	Soil	0.5	12.9	19.2	72	<0.1	10.4	11.3	747	2.18	21.4	3.8	1.0	50.5	8	<0.1	1.6	0.3	22	0.08	0.016
145269	Soil	0.6	12.5	16.3	68	<0.1	10.4	7.3	437	2.32	14.2	2.6	1.1	31.1	6	0.1	3.5	0.6	22	0.08	0.043
145270	Soil	1.0	7.0	19.8	28	<0.1	3.8	3.4	323	0.86	21.2	4.8	<0.5	14.2	69	<0.1	11.9	0.5	11	0.04	0.028
145271	Soil	0.8	27.9	20.7	81	<0.1	27.0	12.7	433	3.86	70.4	1.1	0.8	15.1	7	<0.1	1.5	0.3	48	0.13	0.049
145272	Soil	0.6	27.4	31.6	97	<0.1	30.2	16.4	738	4.33	58.6	1.3	<0.5	18.1	7	<0.1	5.7	0.3	38	0.16	0.063
145273	Soil	0.5	34.7	11.2	76	<0.1	31.6	15.1	685	3.41	12.5	1.7	2.8	9.9	12	<0.1	0.8	0.3	46	0.11	0.032
145274	Soil	0.8	21.0	12.3	64	<0.1	21.8	10.2	318	2.94	15.0	1.6	2.2	9.8	13	<0.1	1.1	0.2	46	0.15	0.046
145275	Soil	0.5	25.6	15.2	85	<0.1	30.8	13.5	442	3.81	11.2	1.4	1.3	15.3	10	0.1	0.8	0.3	48	0.14	0.045
145276	Soil	0.3	32.0	18.4	107	<0.1	28.5	15.1	569	3.66	5.9	1.2	1.4	20.5	14	<0.1	0.5	0.4	35	0.27	0.062
145277	Soil	0.5	53.6	12.0	103	<0.1	45.7	21.2	720	4.07	13.8	1.2	1.7	15.0	14	<0.1	0.5	0.3	45	0.23	0.050
145278	Soil	0.6	28.4	12.3	81	<0.1	29.9	15.8	447	3.75	10.9	1.5	1.3	14.4	10	<0.1	0.7	0.3	47	0.16	0.054
145279	Soil	0.6	31.5	14.5	85	<0.1	32.3	15.1	494	4.16	17.0	1.0	<0.5	14.1	10	<0.1	0.8	0.3	49	0.17	0.056
145280	Soil	0.6	30.6	12.8	82	<0.1	30.3	14.4	458	3.53	14.4	1.2	2.1	12.9	13	<0.1	0.6	0.3	43	0.21	0.048
145281	Soil	0.7	19.5	10.9	62	<0.1	20.9	9.7	242	3.07	11.4	0.8	3.6	8.6	10	<0.1	0.6	0.2	50	0.12	0.028
145283	Soil	0.4	28.7	16.6	92	<0.1	34.4	15.4	484	4.20	21.9	0.9	2.5	11.2	12	<0.1	0.9	0.3	48	0.26	0.043
145284	Soil	0.6	31.8	11.5	86	<0.1	33.9	16.1	525	3.83	11.1	1.2	2.8	17.6	10	<0.1	0.6	0.3	46	0.17	0.049
145285	Soil	0.9	27.9	11.0	78	<0.1	28.1	14.3	389	3.74	12.2	1.4	2.9	13.5	13	<0.1	0.7	0.3	51	0.15	0.028
145286	Soil	0.6	23.4	10.7	73	<0.1	27.0	12.6	297	3.21	10.7	0.8	3.9	7.7	11	<0.1	0.5	0.3	49	0.18	0.035
145287	Soil	0.8	19.4	10.2	66	<0.1	21.8	10.2	233	2.86	10.6	0.9	2.4	8.8	13	<0.1	0.4	0.3	41	0.18	0.032
145289	Soil	0.6	40.5	11.4	81	<0.1	29.7	15.3	330	3.95	9.8	1.1	2.6	12.0	11	<0.1	0.4	0.3	46	0.18	0.058
145290	Soil	0.7	23.6	11.2	69	<0.1	27.4	13.1	327	3.27	10.1	1.0	0.8	12.1	11	<0.1	0.4	0.3	45	0.13	0.033
145291	Soil	0.7	15.4	10.1	65	0.2	17.3	7.9	160	2.59	9.3	1.0	4.1	4.7	14	0.1	0.4	0.2	42	0.15	0.033
145292	Soil	0.6	19.0	11.2	73	<0.1	22.7	12.1	331	3.21	11.7	0.9	1.7	9.6	12	<0.1	0.4	0.2	43	0.19	0.050
145293	Soil	0.7	24.1	12.3	90	<0.1	28.1	15.2	413	3.61	11.5	1.1	26.7	12.0	11	<0.1	0.4	0.3	44	0.18	0.053
145294	Soil	0.7	30.6	11.9	77	<0.1	30.2	14.2	296	3.40	12.4	1.0	<0.5	12.7	8	<0.1	0.4	0.3	44	0.13	0.047
145295	Soil	0.7	16.5	9.7	67	0.2	18.4	8.2	226	2.48	13.0	1.0	7.7	6.1	16	0.1	0.5	0.2	43	0.23	0.054
145296	Soil	0.8	16.9	11.3	55	0.2	16.5	6.5	175	2.21	13.8	1.2	<0.5	2.6	13	0.1	0.5	0.2	40	0.16	0.040
145297	Soil	0.6	29.2	11.3	80	0.1	26.8	12.5	366	3.08	22.9	1.1	4.2	12.9	15	0.1	0.8	0.3	39	0.26	0.062
145298	Soil	0.6	20.9	10.1	65	0.1	23.4	10.8	247	2.66	10.5	0.9	1.4	6.5	12	<0.1	0.4	0.3	38	0.14	0.046
112959	Soil	0.7	70.6	4.5	80	<0.1	15.8	18.2	489	4.25	3.8	0.9	2.1	3.3	15	<0.1	0.5	<0.1	105	0.32	0.039



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
145268	Soil	59	20	0.39	104	0.028	<1	1.65	0.004	0.24	0.7	0.10	2.1	0.4	<0.05	5	<0.5	<0.2
145269	Soil	19	18	0.43	79	0.057	1	1.29	0.005	0.30	0.4	0.06	2.2	0.4	<0.05	5	<0.5	<0.2
145270	Soil	35	5	0.03	67	0.003	5	0.41	0.001	0.08	0.4	0.20	0.9	0.1	<0.05	2	<0.5	<0.2
145271	Soil	17	43	0.85	163	0.168	<1	2.38	0.006	0.56	0.1	0.03	3.9	0.5	<0.05	8	<0.5	<0.2
145272	Soil	19	37	0.93	255	0.212	2	2.52	0.010	1.09	0.1	0.08	3.7	0.7	<0.05	8	0.6	<0.2
145273	Soil	31	34	0.74	243	0.131	<1	1.96	0.006	0.48	<0.1	0.04	5.5	0.3	<0.05	6	0.8	<0.2
145274	Soil	20	29	0.52	182	0.061	2	1.78	0.008	0.12	0.2	0.10	3.0	0.1	<0.05	5	0.7	<0.2
145275	Soil	40	42	0.89	213	0.193	<1	2.39	0.007	0.86	<0.1	0.02	3.8	0.5	<0.05	8	<0.5	<0.2
145276	Soil	50	35	0.92	261	0.208	<1	2.08	0.005	1.18	<0.1	0.01	3.4	0.7	<0.05	7	0.6	<0.2
145277	Soil	34	39	1.13	386	0.179	<1	2.26	0.008	0.83	0.1	0.02	5.0	0.6	<0.05	8	<0.5	<0.2
145278	Soil	43	37	0.77	182	0.147	2	2.13	0.007	0.58	0.1	0.03	3.0	0.4	<0.05	6	1.2	<0.2
145279	Soil	20	42	0.97	175	0.223	1	2.44	0.007	0.81	0.1	<0.01	3.4	0.5	<0.05	7	0.7	<0.2
145280	Soil	34	35	0.81	245	0.167	1	2.07	0.007	0.59	0.1	0.03	3.9	0.4	<0.05	6	0.9	<0.2
145281	Soil	16	32	0.58	132	0.099	2	1.79	0.006	0.18	0.1	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
145283	Soil	18	42	1.03	201	0.209	<1	2.29	0.006	0.78	<0.1	0.01	3.6	0.5	<0.05	7	0.8	<0.2
145284	Soil	44	39	0.91	214	0.214	2	2.22	0.007	0.63	0.1	0.01	4.2	0.5	<0.05	6	0.9	<0.2
145285	Soil	41	38	0.77	196	0.154	1	2.10	0.009	0.42	0.1	0.04	4.7	0.3	<0.05	6	1.3	<0.2
145286	Soil	19	31	0.73	122	0.145	<1	1.78	0.008	0.32	0.1	0.02	2.8	0.3	<0.05	6	0.6	<0.2
145287	Soil	24	27	0.59	139	0.123	<1	1.62	0.007	0.25	0.2	0.03	2.6	0.2	<0.05	6	0.6	<0.2
145289	Soil	19	37	0.83	165	0.186	<1	2.20	0.006	0.65	0.1	0.02	3.1	0.5	<0.05	7	0.5	<0.2
145290	Soil	22	34	0.66	122	0.147	2	1.81	0.007	0.37	0.1	0.02	3.1	0.3	<0.05	6	<0.5	<0.2
145291	Soil	23	27	0.50	146	0.085	2	1.48	0.007	0.12	0.1	0.05	2.6	0.2	<0.05	5	<0.5	<0.2
145292	Soil	18	31	0.70	142	0.155	<1	1.77	0.007	0.40	0.2	0.01	2.9	0.3	<0.05	6	<0.5	<0.2
145293	Soil	20	37	0.80	175	0.195	<1	1.97	0.008	0.65	0.1	0.01	2.8	0.5	<0.05	6	<0.5	<0.2
145294	Soil	17	41	0.79	132	0.177	<1	2.11	0.006	0.66	<0.1	<0.01	3.1	0.5	<0.05	7	0.8	<0.2
145295	Soil	22	27	0.52	164	0.089	1	1.43	0.008	0.14	0.2	0.05	2.6	0.2	<0.05	5	0.7	<0.2
145296	Soil	28	26	0.43	160	0.060	1	1.37	0.007	0.08	0.2	0.06	2.3	0.1	<0.05	5	<0.5	<0.2
145297	Soil	35	33	0.76	160	0.154	<1	1.62	0.008	0.51	0.2	0.03	2.7	0.3	<0.05	6	<0.5	<0.2
145298	Soil	21	26	0.59	130	0.114	<1	1.53	0.006	0.29	0.2	0.03	2.6	0.3	<0.05	5	<0.5	<0.2
112959	Soil	36	31	1.51	657	0.212	<1	2.78	0.017	0.55	0.1	<0.01	5.7	0.2	<0.05	7	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
112960	Soil	0.6	29.8	5.8	59	<0.1	29.6	10.1	281	2.55	3.9	0.5	0.8	3.0	12	<0.1	0.2	<0.1	67	0.20	0.032
112961	Soil	0.6	25.0	9.1	60	<0.1	25.0	8.6	270	2.53	5.5	0.5	<0.5	3.1	12	<0.1	0.3	0.1	66	0.19	0.030
112962	Soil	0.5	40.8	5.1	60	<0.1	26.6	12.5	321	2.76	3.5	0.5	1.3	3.3	11	<0.1	0.4	<0.1	72	0.21	0.030
112963	Soil	0.6	27.5	4.7	80	<0.1	16.0	13.6	446	3.18	4.0	0.5	6.2	2.9	14	<0.1	0.4	<0.1	62	0.39	0.044
112964	Soil	0.6	21.3	6.5	52	0.1	13.8	8.6	264	2.39	4.8	0.7	1.0	2.5	16	<0.1	0.4	0.1	49	0.26	0.045
112965	Soil	0.9	58.1	4.6	81	<0.1	13.3	12.5	448	3.43	2.7	0.6	0.8	2.7	17	<0.1	0.3	<0.1	78	0.40	0.061
112966	Soil	0.8	33.0	7.3	76	0.1	16.8	9.9	259	2.83	5.2	0.8	1.6	3.3	19	0.2	0.5	0.1	62	0.32	0.065
112967	Soil	1.1	23.4	6.9	58	0.1	13.9	6.6	213	2.84	7.3	0.7	4.1	3.2	27	0.1	0.5	0.1	55	0.28	0.079
112968	Soil	2.4	41.1	7.9	61	0.2	13.9	8.8	285	4.05	4.3	0.8	4.1	3.4	35	<0.1	0.3	0.2	71	0.27	0.074
112969	Soil	1.0	25.0	10.7	92	<0.1	14.1	10.2	620	3.26	10.6	0.9	<0.5	6.8	18	0.2	0.4	0.2	60	0.56	0.062
112970	Soil	0.9	20.6	4.9	65	<0.1	9.4	10.4	789	3.46	6.3	0.4	2.2	3.1	12	0.1	0.3	0.1	88	0.22	0.077
112971	Soil	0.9	30.5	5.4	80	<0.1	11.1	12.5	836	4.14	8.0	0.7	1.8	3.9	15	<0.1	0.2	0.1	90	0.33	0.098
112972	Soil	0.8	164.2	4.7	103	<0.1	15.9	13.0	625	3.72	7.4	0.5	1.8	1.7	22	<0.1	0.1	0.1	108	0.29	0.056
112973	Soil	0.7	33.6	5.7	54	<0.1	12.7	9.7	421	3.08	4.9	0.6	1.3	2.8	10	<0.1	0.2	0.1	71	0.17	0.042
112974	Soil	1.0	118.5	5.2	87	<0.1	16.3	12.7	735	4.06	8.7	1.1	4.2	4.1	16	<0.1	0.4	0.2	111	0.29	0.045
112975	Soil	1.0	73.3	5.4	170	<0.1	10.2	11.7	973	4.44	3.5	0.8	1.4	8.5	8	<0.1	0.2	0.3	139	0.09	0.013
112976	Soil	0.9	88.8	5.1	75	<0.1	26.2	20.3	626	3.73	6.4	0.9	1.8	5.7	14	<0.1	0.4	0.2	77	0.15	0.030
112977	Soil	1.0	55.4	4.7	82	<0.1	19.7	14.0	918	3.64	7.4	0.5	2.7	1.8	9	<0.1	0.3	0.2	57	0.15	0.055
112978	Soil	0.8	152.4	1.4	64	<0.1	11.9	16.7	838	4.56	1.8	1.0	1.7	3.3	14	<0.1	0.1	0.1	103	0.43	0.112
112979	Soil	1.1	46.2	3.8	84	<0.1	11.2	8.3	1024	3.05	6.2	0.8	2.9	4.3	211	<0.1	0.2	0.3	47	0.24	0.045
112980	Soil	0.9	78.1	4.8	97	<0.1	21.7	15.4	882	4.45	2.0	1.3	3.0	1.4	37	<0.1	0.2	0.1	134	0.43	0.055
112981	Soil	0.5	16.1	3.3	59	<0.1	5.6	9.0	631	3.89	2.5	0.2	2.5	1.0	9	<0.1	0.2	<0.1	91	0.37	0.144
112982	Soil	1.0	31.0	5.4	67	<0.1	7.6	7.0	918	2.75	5.1	0.5	3.3	1.8	10	<0.1	0.3	0.2	31	0.18	0.047
112983	Soil	2.8	205.4	3.8	67	0.2	13.6	12.7	539	6.50	<0.5	0.5	6.9	1.9	48	<0.1	0.1	0.2	105	0.34	0.108
112984	Soil	1.9	26.1	6.8	61	0.3	6.7	6.1	378	3.89	2.3	0.9	13.9	3.3	25	<0.1	0.2	0.1	56	0.24	0.085
112985	Soil	2.7	62.7	4.1	77	0.2	6.6	27.9	1233	4.64	1.2	0.6	8.8	1.3	92	<0.1	0.2	<0.1	98	0.29	0.079
112986	Soil	0.8	41.9	6.2	84	0.1	15.6	11.0	432	3.25	2.9	0.8	4.4	2.6	15	0.2	0.4	0.1	69	0.33	0.074
112987	Soil	0.9	34.8	7.3	65	<0.1	14.1	8.7	378	2.74	4.1	0.6	6.9	2.5	14	<0.1	0.5	<0.1	51	0.29	0.032
112988	Soil	0.9	34.2	6.3	65	<0.1	12.2	9.6	491	3.10	4.0	0.8	1.0	2.9	11	<0.1	0.4	0.1	60	0.24	0.025
112989	Soil	0.5	36.5	4.9	86	<0.1	13.4	11.0	499	3.06	2.8	0.9	2.6	4.3	13	<0.1	0.4	<0.1	53	0.29	0.056



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Project:

Wounded Moose

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
112960	Soil	9	89	1.32	651	0.165	<1	2.15	0.011	0.37	0.1	<0.01	2.8	0.2	<0.05	7	<0.5
112961	Soil	10	57	0.95	392	0.126	<1	1.84	0.012	0.24	0.1	0.01	3.2	0.2	<0.05	6	<0.5
112962	Soil	12	67	1.26	444	0.175	1	2.11	0.014	0.42	0.1	<0.01	3.5	0.2	<0.05	6	0.5
112963	Soil	10	19	1.27	466	0.206	<1	2.15	0.013	0.64	0.1	<0.01	3.5	0.3	<0.05	5	<0.5
112964	Soil	12	25	0.59	255	0.081	2	1.51	0.012	0.08	0.1	0.03	3.5	<0.1	<0.05	5	0.7
112965	Soil	10	28	1.22	401	0.159	<1	2.04	0.018	0.52	0.2	0.01	6.0	0.2	<0.05	7	<0.5
112966	Soil	13	33	0.95	417	0.111	<1	1.78	0.015	0.27	0.3	0.03	5.2	0.2	<0.05	6	0.5
112967	Soil	13	25	0.64	227	0.098	1	1.40	0.015	0.18	0.3	0.02	3.5	0.1	<0.05	4	1.3
112968	Soil	14	28	1.14	389	0.134	1	2.26	0.030	0.43	0.1	0.03	5.5	0.2	0.10	7	1.5
112969	Soil	17	65	1.04	341	0.156	<1	2.01	0.012	0.33	<0.1	0.02	4.4	0.3	<0.05	8	0.7
112970	Soil	8	20	1.12	228	0.179	1	2.16	0.008	0.51	0.1	0.02	6.3	0.3	<0.05	8	<0.5
112971	Soil	12	24	1.33	344	0.224	<1	2.63	0.010	0.94	0.1	0.02	4.0	0.4	<0.05	8	<0.5
112972	Soil	9	85	1.71	534	0.198	<1	2.36	0.023	0.96	<0.1	<0.01	6.1	0.3	<0.05	8	0.8
112973	Soil	9	32	1.08	252	0.183	<1	2.09	0.012	0.33	0.1	0.02	4.1	0.2	<0.05	7	0.6
112974	Soil	17	39	1.54	545	0.215	<1	2.52	0.014	0.84	0.1	<0.01	8.0	0.3	<0.05	9	0.5
112975	Soil	30	56	2.08	407	0.345	<1	3.73	0.012	1.22	0.2	<0.01	9.9	0.7	<0.05	10	<0.5
112976	Soil	13	89	1.47	437	0.193	<1	2.37	0.011	0.58	0.1	0.01	3.3	0.3	<0.05	6	0.6
112977	Soil	5	40	1.28	297	0.178	1	2.29	0.011	0.70	<0.1	<0.01	6.2	0.2	<0.05	8	0.7
112978	Soil	17	31	1.59	666	0.198	<1	2.41	0.018	1.01	<0.1	<0.01	8.4	0.2	<0.05	9	<0.5
112979	Soil	15	20	1.70	361	0.188	<1	2.50	0.014	0.99	<0.1	<0.01	3.8	0.5	<0.05	6	0.7
112980	Soil	5	45	2.07	645	0.224	<1	3.49	0.045	1.26	<0.1	0.02	6.1	0.5	<0.05	7	0.9
112981	Soil	3	17	1.49	303	0.243	<1	2.58	0.012	0.96	0.1	0.01	7.3	0.4	<0.05	9	0.5
112982	Soil	8	18	0.69	192	0.123	<1	1.83	0.010	0.42	<0.1	0.01	4.4	0.3	<0.05	7	0.6
112983	Soil	14	53	1.77	227	0.170	<1	2.88	0.121	1.57	<0.1	<0.01	12.5	0.4	1.07	9	3.6
112984	Soil	16	13	1.07	607	0.159	<1	2.24	0.017	0.68	0.1	0.03	7.3	0.3	0.05	7	0.8
112985	Soil	7	25	1.40	701	0.180	<1	2.53	0.020	0.92	<0.1	<0.01	6.9	0.3	<0.05	8	0.6
112986	Soil	12	38	1.10	399	0.139	<1	2.19	0.013	0.38	0.2	0.03	6.2	0.2	<0.05	6	0.5
112987	Soil	9	28	0.85	247	0.113	<1	1.82	0.015	0.22	0.1	0.02	3.9	0.1	<0.05	5	<0.5
112988	Soil	15	25	0.86	272	0.158	<1	2.02	0.013	0.23	0.1	<0.01	5.1	0.2	<0.05	6	0.5
112989	Soil	14	35	1.15	414	0.184	<1	2.03	0.013	0.73	0.2	0.02	5.3	0.3	<0.05	6	<0.5



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Project: Wounded Moose
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
112990	Soil	0.6	37.1	4.8	84	<0.1	14.1	11.7	511	3.11	2.7	0.9	1.1	4.2	14	<0.1	0.5	<0.1	55	0.29	0.054
112991	Soil	0.4	50.1	4.3	71	<0.1	17.2	14.1	507	2.99	2.5	0.6	2.5	1.9	12	<0.1	0.9	<0.1	57	0.27	0.034
112992	Soil	1.0	27.1	9.1	48	0.2	14.7	7.3	193	2.56	6.6	0.4	2.5	2.6	12	<0.1	0.4	0.2	69	0.14	0.015
112993	Soil	0.8	34.9	8.6	81	<0.1	28.6	12.7	375	3.02	2.4	0.7	1.6	3.6	14	<0.1	0.3	0.1	85	0.26	0.060



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
112990	Soil	14	35	1.13	423	0.179	<1	2.04	0.013	0.69	0.1	0.02	5.2	0.3	<0.05	6	0.5	<0.2
112991	Soil	9	23	1.14	353	0.128	<1	1.89	0.012	0.55	<0.1	<0.01	4.9	0.2	<0.05	5	0.6	<0.2
112992	Soil	10	35	0.65	271	0.108	<1	1.71	0.011	0.07	0.1	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
112993	Soil	8	99	1.97	931	0.200	<1	2.87	0.014	0.75	<0.1	<0.01	4.3	0.3	<0.05	9	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
100484	Soil	2.2	31.7	15.1	99	0.1	24.3	10.3	297	3.26	7.1	1.0	<0.5	5.1	9	0.1	0.4	0.3	54	0.06	0.035
REP 100484	QC	2.2	31.8	14.5	96	0.1	23.9	9.7	291	3.17	7.1	0.9	1.0	4.9	9	0.2	0.4	0.3	52	0.06	0.033
100511	Soil	0.7	49.1	14.8	102	<0.1	41.8	18.3	642	4.76	7.5	1.9	2.9	20.4	7	<0.1	0.2	0.5	38	0.10	0.039
REP 100511	QC	0.6	50.2	15.2	108	<0.1	44.0	18.9	661	4.85	8.2	1.9	1.7	21.5	7	<0.1	0.2	0.5	39	0.09	0.043
110717	Soil	0.5	41.5	9.5	92	<0.1	39.2	16.9	658	4.35	9.4	1.2	4.2	12.9	14	<0.1	0.6	0.3	47	0.18	0.047
REP 110717	QC	0.6	42.5	9.9	94	<0.1	41.9	17.1	696	4.55	9.4	1.2	3.6	12.9	15	0.1	0.6	0.4	50	0.18	0.043
110727	Soil	0.4	26.3	7.6	83	<0.1	106.4	23.2	495	3.75	11.9	0.9	2.6	11.2	20	<0.1	0.5	0.1	73	0.57	0.112
REP 110727	QC	0.3	26.7	7.6	85	<0.1	107.3	24.2	531	3.88	11.8	0.8	1.0	10.8	20	<0.1	0.4	0.1	74	0.53	0.119
101848	Soil	0.5	17.5	2.5	69	<0.1	4.4	8.6	531	3.85	3.7	0.6	<0.5	3.0	10	<0.1	0.3	<0.1	61	0.18	0.045
REP 101848	QC	0.6	18.1	2.6	73	<0.1	4.3	9.3	590	4.26	3.7	0.6	0.6	3.2	11	<0.1	0.3	<0.1	66	0.19	0.048
101857	Soil	1.4	127.7	3.3	101	<0.1	13.5	6.6	698	4.61	4.3	0.6	2.8	3.0	49	<0.1	<0.1	0.2	141	0.31	0.043
REP 101857	QC	1.4	121.6	3.2	99	<0.1	13.0	5.9	684	4.48	4.1	0.5	2.7	2.9	46	<0.1	<0.1	0.2	136	0.28	0.040
114341	Soil	0.8	20.7	4.6	46	0.1	9.5	7.5	444	2.73	4.0	0.8	4.3	2.4	14	<0.1	0.3	<0.1	57	0.45	0.050
REP 114341	QC	0.9	21.7	4.6	49	<0.1	10.0	8.1	462	2.89	4.2	0.9	4.5	2.4	14	<0.1	0.3	<0.1	60	0.47	0.052
114363	Soil	2.4	30.7	5.3	42	0.2	5.1	5.8	200	3.96	1.3	0.7	6.0	4.2	53	<0.1	0.1	0.1	33	0.14	0.072
REP 114363	QC	2.3	31.1	5.4	43	0.2	5.6	5.9	205	4.07	1.0	0.7	9.7	4.3	54	<0.1	0.2	0.1	34	0.14	0.075
145284	Soil	0.6	31.8	11.5	86	<0.1	33.9	16.1	525	3.83	11.1	1.2	2.8	17.6	10	<0.1	0.6	0.3	46	0.17	0.049
REP 145284	QC	0.6	31.7	11.1	89	<0.1	33.5	16.6	551	3.98	10.8	1.2	5.1	17.6	10	<0.1	0.7	0.3	47	0.18	0.047
112962	Soil	0.5	40.8	5.1	60	<0.1	26.6	12.5	321	2.76	3.5	0.5	1.3	3.3	11	<0.1	0.4	<0.1	72	0.21	0.030
REP 112962	QC	0.6	43.8	5.1	61	<0.1	27.2	13.2	321	2.84	3.6	0.6	2.3	3.2	11	<0.1	0.3	<0.1	71	0.23	0.029
112977	Soil	1.0	55.4	4.7	82	<0.1	19.7	14.0	918	3.64	7.4	0.5	2.7	1.8	9	<0.1	0.3	0.2	57	0.15	0.055
REP 112977	QC	1.0	54.5	4.6	86	<0.1	19.7	14.3	944	3.73	7.6	0.6	2.3	2.0	9	<0.1	0.3	0.2	61	0.15	0.055
112992	Soil	1.0	27.1	9.1	48	0.2	14.7	7.3	193	2.56	6.6	0.4	2.5	2.6	12	<0.1	0.4	0.2	69	0.14	0.015
REP 112992	QC	0.8	26.1	9.2	47	0.1	14.6	7.3	200	2.51	7.0	0.4	2.7	2.7	13	<0.1	0.4	0.2	69	0.14	0.015
Reference Materials																					
STD DS8	Standard	12.3	104.8	121.2	297	1.7	34.7	7.1	560	2.30	23.7	2.6	117.7	6.4	59	2.3	5.2	6.1	40	0.61	0.068
STD DS8	Standard	13.1	107.0	123.8	315	1.8	36.6	7.3	608	2.75	24.8	2.8	111.6	6.9	63	2.2	5.0	6.2	41	0.70	0.079
STD DS8	Standard	14.8	116.7	131.5	334	1.9	41.3	8.1	651	2.70	26.7	2.8	110.9	7.4	74	2.5	6.1	6.7	46	0.71	0.084



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
100484	Soil	13	27	0.54	122	0.074	<1	1.71	0.008	0.16	0.1	0.01	2.0	0.2	<0.05	6	<0.5	<0.2
REP 100484	QC	13	26	0.52	119	0.072	1	1.68	0.007	0.16	0.1	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
100511	Soil	52	32	0.94	203	0.127	<1	2.20	0.008	0.75	<0.1	0.02	4.9	0.6	<0.05	6	1.2	<0.2
REP 100511	QC	53	33	0.99	205	0.134	<1	2.31	0.006	0.78	<0.1	0.02	4.8	0.5	<0.05	7	<0.5	<0.2
110717	Soil	23	34	0.93	340	0.158	1	2.23	0.008	0.60	0.1	0.02	5.6	0.5	<0.05	7	0.7	<0.2
REP 110717	QC	24	36	0.97	349	0.168	<1	2.28	0.008	0.63	0.1	0.02	5.7	0.4	<0.05	7	0.6	<0.2
110727	Soil	53	330	2.26	479	0.206	<1	2.96	0.009	1.05	0.2	0.01	2.9	0.5	<0.05	8	<0.5	<0.2
REP 110727	QC	53	348	2.15	482	0.212	<1	2.87	0.009	1.07	0.1	0.01	2.9	0.5	<0.05	8	<0.5	<0.2
101848	Soil	16	7	1.13	214	0.158	<1	2.44	0.008	0.48	0.1	<0.01	9.2	0.2	<0.05	11	<0.5	<0.2
REP 101848	QC	17	7	1.19	222	0.173	1	2.58	0.010	0.51	<0.1	<0.01	10.5	0.3	<0.05	11	<0.5	<0.2
101857	Soil	8	59	2.27	668	0.268	<1	3.42	0.023	1.10	<0.1	0.02	7.0	0.5	0.28	10	0.7	<0.2
REP 101857	QC	8	55	2.17	644	0.257	1	3.31	0.023	1.06	<0.1	0.01	6.9	0.4	0.28	9	<0.5	<0.2
114341	Soil	10	14	0.90	352	0.131	<1	1.62	0.010	0.30	0.1	0.02	5.4	0.2	<0.05	6	<0.5	<0.2
REP 114341	QC	10	15	0.92	362	0.137	<1	1.68	0.011	0.31	0.1	0.03	5.4	0.2	<0.05	6	<0.5	<0.2
114363	Soil	20	8	0.72	280	0.068	<1	1.22	0.096	0.62	<0.1	0.03	4.2	0.3	0.65	4	2.8	0.4
REP 114363	QC	21	8	0.75	200	0.069	<1	1.24	0.098	0.64	<0.1	0.03	4.3	0.3	0.67	5	3.0	0.4
145284	Soil	44	39	0.91	214	0.214	2	2.22	0.007	0.63	0.1	0.01	4.2	0.5	<0.05	6	0.9	<0.2
REP 145284	QC	45	38	0.95	222	0.221	1	2.27	0.008	0.70	0.1	0.02	4.3	0.5	<0.05	7	0.7	<0.2
112962	Soil	12	67	1.26	444	0.175	1	2.11	0.014	0.42	0.1	<0.01	3.5	0.2	<0.05	6	0.5	<0.2
REP 112962	QC	13	68	1.32	459	0.176	2	2.07	0.014	0.42	0.1	0.01	3.5	0.2	<0.05	6	<0.5	<0.2
112977	Soil	5	40	1.28	297	0.178	1	2.29	0.011	0.70	<0.1	<0.01	6.2	0.2	<0.05	8	0.7	<0.2
REP 112977	QC	5	40	1.32	314	0.179	<1	2.34	0.011	0.71	<0.1	0.01	6.2	0.2	<0.05	8	0.6	<0.2
112992	Soil	10	35	0.65	271	0.108	<1	1.71	0.011	0.07	0.1	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
REP 112992	QC	10	35	0.65	265	0.107	<1	1.71	0.011	0.07	<0.1	<0.01	2.9	<0.1	<0.05	6	0.6	<0.2
Reference Materials																		
STD DS8	Standard	13	108	0.56	250	0.106	2	0.79	0.073	0.38	2.7	0.18	1.9	5.1	0.12	4	5.1	4.7
STD DS8	Standard	15	112	0.53	280	0.115	3	0.95	0.099	0.43	3.3	0.21	3.4	5.5	0.14	5	5.7	5.3
STD DS8	Standard	16	129	0.63	292	0.122	2	1.03	0.105	0.48	3.0	0.19	3.2	5.7	0.17	5	4.7	5.3



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Part 1

QUALITY CONTROL REPORT

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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
STD DS8	Standard	13.3	105.8	124.0	305	1.7	36.8	7.0	576	2.33	23.7	2.8	113.4	6.4	66	2.4	5.5	7.0	39	0.66	0.077
STD DS8	Standard	13.0	107.7	132.2	312	1.8	37.5	7.4	601	2.44	24.6	2.8	110.1	6.8	68	2.3	5.6	7.0	41	0.66	0.079
STD DS8	Standard	13.4	112.5	119.9	319	1.7	37.3	7.8	624	2.44	25.8	2.8	104.1	6.9	69	2.7	6.3	7.2	45	0.70	0.082
STD DS8	Standard	11.5	106.3	118.0	294	1.7	37.4	7.1	574	2.34	22.9	2.7	105.0	6.2	53	2.2	4.6	5.8	40	0.61	0.073
STD DS8	Standard	14.3	115.7	127.2	318	1.8	39.0	8.0	651	2.73	26.5	2.8	93.9	6.8	68	2.1	5.8	7.0	47	0.78	0.082
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS8	Standard	14	108	0.59	261	0.100	2	0.87	0.096	0.42	3.0	0.20	2.0	5.4	0.15	4	4.2	4.8
STD DS8	Standard	15	116	0.57	283	0.109	2	0.93	0.099	0.42	3.1	0.20	2.7	5.8	0.13	5	5.9	5.5
STD DS8	Standard	16	123	0.62	284	0.128	3	0.93	0.092	0.43	2.6	0.19	2.3	5.1	0.12	4	4.8	4.6
STD DS8	Standard	12	111	0.52	244	0.094	2	0.84	0.088	0.39	2.8	0.19	1.9	5.3	0.14	4	4.8	4.7
STD DS8	Standard	16	126	0.64	278	0.132	3	0.98	0.100	0.44	3.2	0.19	3.1	5.2	0.08	5	6.3	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2