

Surface Work Performed from May 1, 2011 to July 15, 2011

**On the
Aussie Melba (AM) Property**

FM 1 to 280 (YD52101 to YD52380)

**Dawson Mining District, Yukon
NTS Sheet 115009
63°37'N. Lat., 138°21'W. Long.**

Operated by and Recorded to



**By
Mark Fekete, P.Geo.
and
Ben Dubois, GIT
June 1, 2011**

Summary

In 2011, Taku Gold Corp completed a surface exploration program on the 280-claim (5,796-hectare) Aussie Melba property located at the headwaters of Melba and Australia Creeks some 65km southeast of Dawson City, Yukon. The work consisted of soil geochemical sampling. The goal of the work was to identify potential gold-bearing structures by outlining geochemical trends.

The Aussie Melba property held 100% by Taku Gold Corp. subject only to a 2% Net Smelter Returns production royalty. Taku has the right to purchase one-half (or 1%) of the Royalty for one million dollars (\$1,000,000) cash and has a right of first refusal to purchase the remaining 1%. The mineral claims included in the Property are held under the Yukon Quartz Mining Act. The surface rights for the area of the Property are held by the Crown. The work described in this report was completed as a Class 1 program.

The Property is not accessible by road and can only be reached by helicopter.

Previous work on Aussie Melba is limited with little or no documented exploration history. Placer mining has occurred on the headwaters of Australia and Melba Creeks, however there are no current placer operations proximal to the property.

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. The property is underlain primarily by Devonian to Mississippian quartz mica schist.

The Property lies in the underexplored Klondike-White Gold district of the loosely defined Tintina Gold Belt. Taku's exploration effort at Aussie Melba 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 southwest of Aussie Melba. 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 unglaciated area, it is very important to take samples from the deeper C-horizon. No *in situ* mineralization has been identified on the Property to date due primarily to the lack of outcrop.

The 2011 work consisted of a 1,393-sample deep auger-type soil geochemical survey done along pre-determined, GPS-guided ridge and spur traverses at sample intervals of 50m. The crews were flown by helicopter to the Property from Taku's camp at Dominion Creek on a daily basis. The field work was done from May 1, 2011 to July 15, 2011, the analytical work from June 17 to July 15 2011 and data compilation and report writing up to December 10, 2011.

The soil samples returned gold values ranging from below detection limit (i.e. <5ppb Au) to a maximum of 58.9ppb Au. The northern half of the property yielded very few notable gold-in-soil results. Positive gold responses were localized to the southern half of the property with notable samples ranging up to 58.9ppb.

It is recommended that airborne magnetic and radiometric surveys be completed over the entire property, and detailed, grid-based soil geochemical surveys be completed at selected sites in the southern part of the Property. The estimated cost of this work is \$118,800.

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 Aussie Melba property most recently in September 2011;
3. I co-wrote and I am, as the senior author and qualified person, responsible for the contents of this technical report entitled "Surface Work Performed from May 1, 2011 to July 15, 2010 on the Quartz Property, Dawson Mining District, Yukon, NTS Sheet 115O14 (Grand Forks), 63°48'N. Lat., 139°07'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 Aussie Melba 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 43-101,1 and according to Form 43-101F1.

Respectfully submitted this 1st day of June, 2011,

(s) "Mark Fekete"

Mark Fekete, P.Geo.

Certificate of Qualifications

I, Ben Dubois, having my place of residence at 7 Main Street, Paris Ontario, do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from Acadia University in May 2011. 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 Aussie Melba property most recently in July 2011;
3. I co-wrote this technical report entitled “Surface Work Performed from May 1, 2011 to July 15, 2011 on the Quartz Property, Dawson Mining District, Yukon, NTS Sheet 115O14 (Grand Forks), 63°48’N. Lat., 139°07’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 Aussie Melba 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 43-101,1 and according to Form 43-101F1.

Respectfully submitted this 1st day of June, 2011,

(s) “Ben Dubois”

Ben Dubois BSc.

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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 Aussie Melba property (“Aussie Melba” or the “Property”) in Yukon in 2011. The Report describes a soil geochemical sampling program.

The goal of the surface work was to identify areas of anomalous gold-in-soil that may be related to the gold bearing structures similar to Kinross’s White Gold deposit located about 70km southwest.

The Report is based primarily on the results of the work completed on Aussie Melba 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 Ben Dubois (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 WGS 1984, Zone 7 unless otherwise stated.

2. Reliance on Other Experts

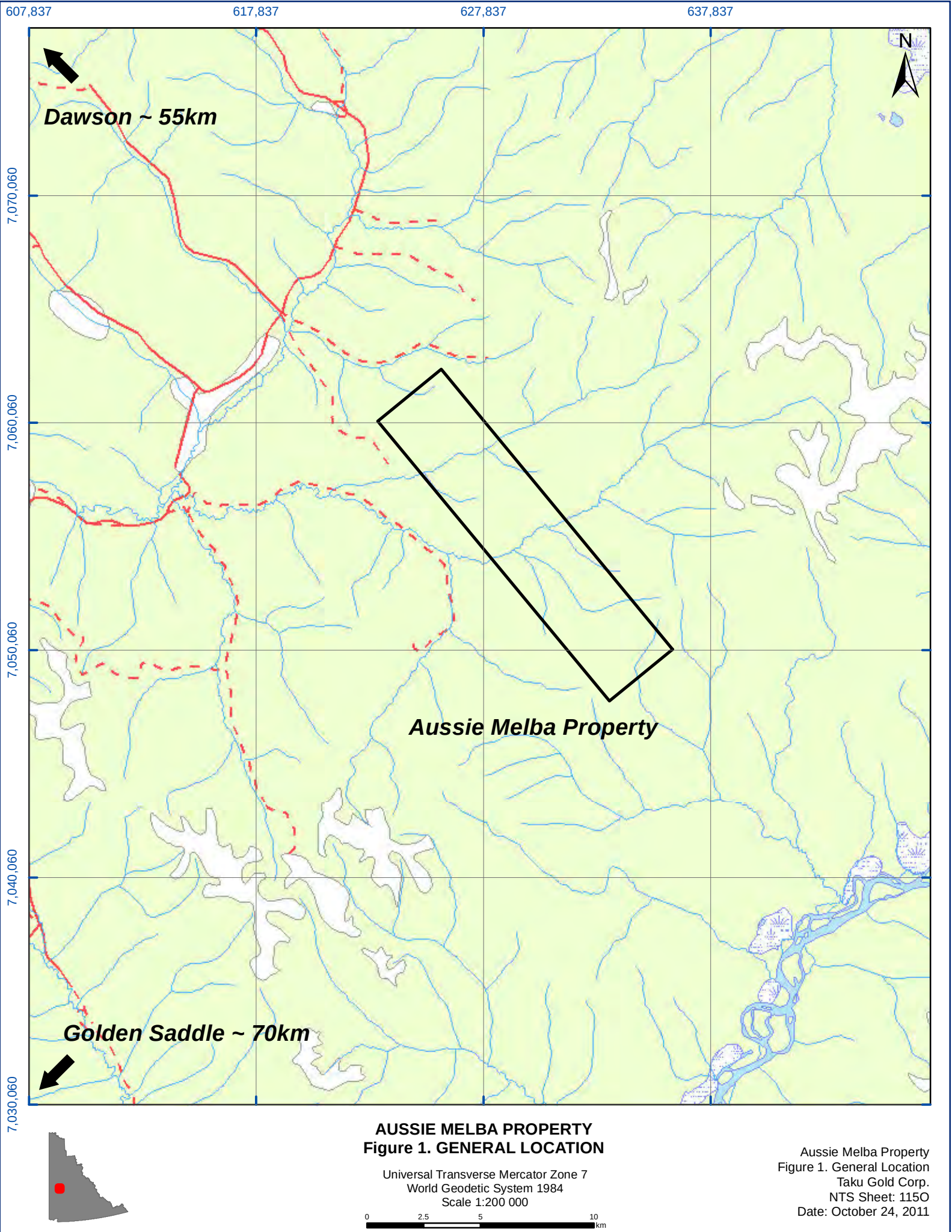
The Authors may have relied on the technical data and interpretation found in various sources cited throughout the report. The Authors may not have verified this information and take no responsibility for its accuracy or completeness. Reference to the compliance or non-compliance with NI 43-101 standards 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 5,796 hectares within the Dawson Mining Division of Yukon. It is located within the headwaters of Australia and Melba Creeks, some 65km southeast of Dawson City (Figure 1). The approximate centre of the Property is described by 63°36’00” North Latitude and 138°23’00” West Longitude on N.T.S. Sheet 115O09. The Property includes 280 contiguous, un-surveyed mineral titles (Figure 2) more fully described in Table 1 below.

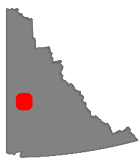
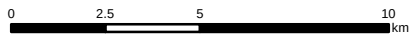
Table 1 - List of Claims

Claim Name No.	Tag No.	Expiry Date	#
FM 1 to 280	YD52101 to YD52380	30-Jul-11	280
			280

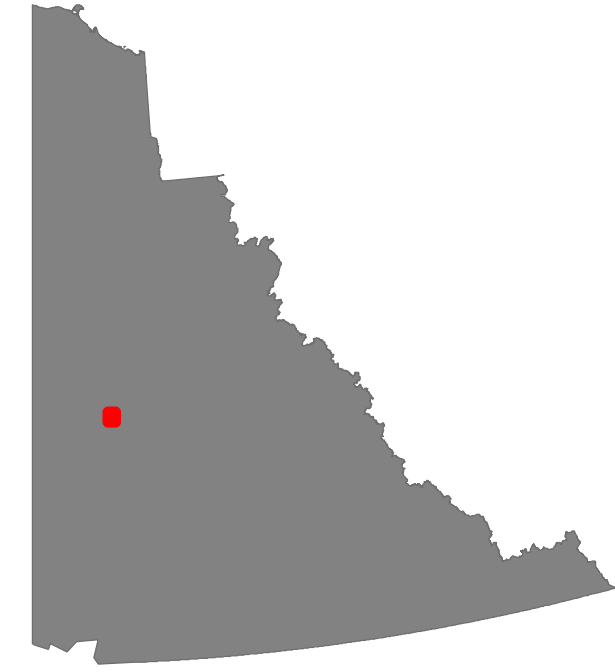
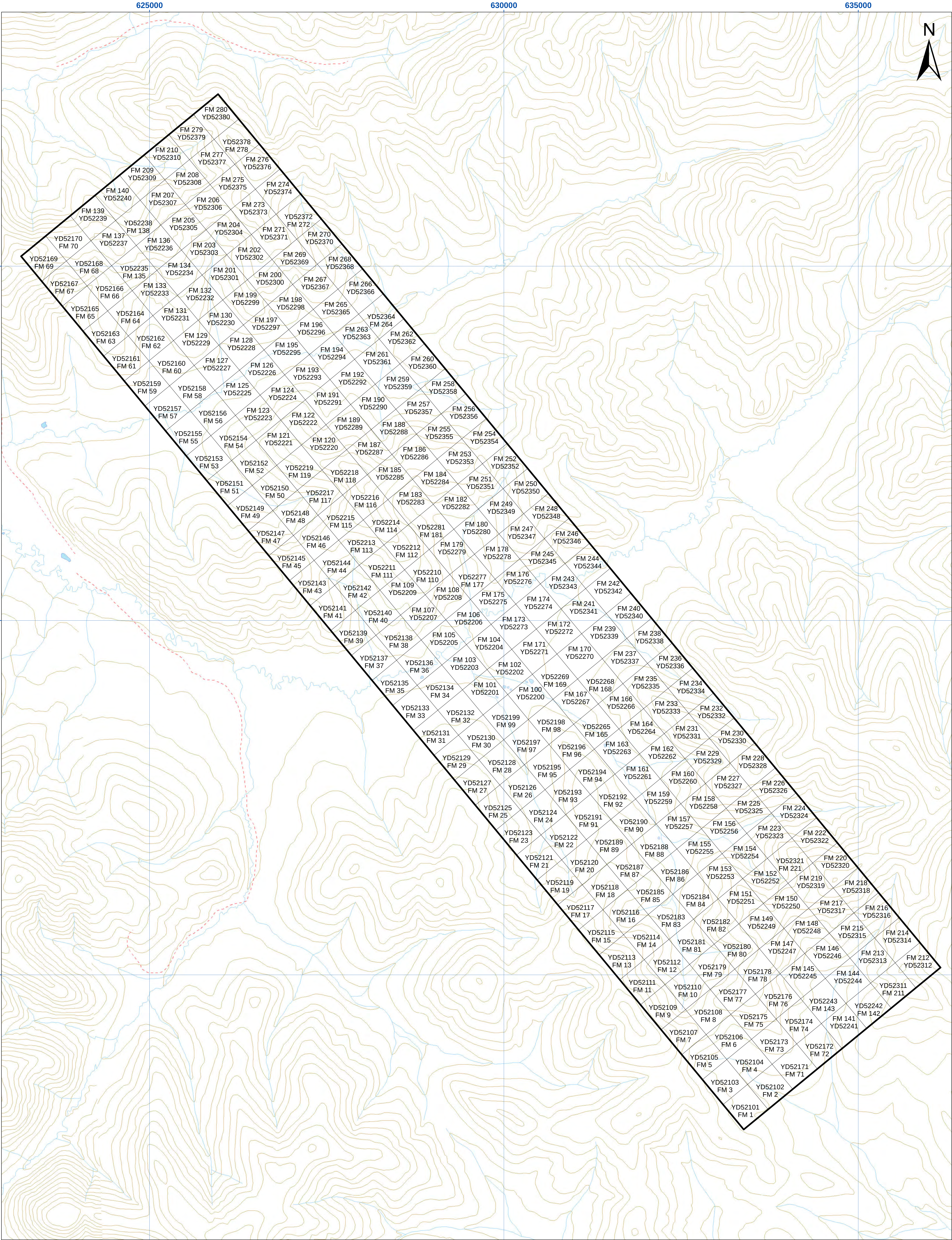


AUSSIE MELBA PROPERTY
Figure 1. GENERAL LOCATION

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

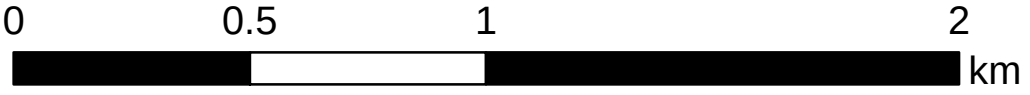


Aussie Melba Property
Figure 1. General Location
Taku Gold Corp.
NTS Sheet: 1150
Date: October 24, 2011



AUSSIE MELBA PROPERTY
Figure 2. CLAIMS MAP

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:16 000



Aussie Melba Property
Figure 2. Claims Map
Taku Gold Corp.
NTS Sheet: 115O/09
Date: October 24, 2011

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 option, Taku agreed to purchase the Property for three hundred thirty thousand (330,000) common shares and the staking costs, not to exceed two hundred and fifty dollars (\$250) per claim. The Vendors are entitled to a production royalty (the “Royalty”) consisting of two per cent (2%) Net Smelter Return (“NSR”) royalty on all smeltable minerals of metals extracted from the claims. Taku has the right to purchase one-half (or 1%) of the Royalty for one million dollars (\$1,000,000) cash and has a right of first refusal to purchase the remaining 1%.

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.

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

The Property is not accessible by road and can only be reached by helicopter.

The Aussie Melba property is located in an isolated part of Yukon with relatively few local resources or infrastructure. The Property can be worked from an exploration camp set up near or on the Property. A camp can be supported from Dawson City, where services are limited, or from Whitehorse where a full range of services are locally available including line-cutting, geophysics, drilling, assaying, aircraft charters etc.

The Property covers the Australia and Melba creeks area in the Dawson Mining Division of Yukon Territory. 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 610m to 1000m 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

Previous work on Aussie Melba is limited with little or no documented exploration history. Placer mining has occurred on the headwaters of Australia and Melba Creeks, however there are no current placer operations proximal to the Property. Table 2 below lists all known assessment reports in the Yukon Geological Survey MINFILE database that describe work done adjacent to and within the boundaries of the present Property in whole or in part.

Table 2 - Previous Assessment Work Files

Company	Year	AFR No.	Author	Work	Link
Rio Tinto Canadian Exp	1977	090333	J. McClintock	Soil Geochem	090333

There is only one mineral showing documented within and adjacent to the area of the Property as shown below in Table 3:

Table 3 - MINFILE Reports

MINFILE No.	MINEFILE Name	Link
1150 099	Abner	1150 099

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.

According to Gordey and Ryan (2005), the property is underlain by Devonian to Mississippian quartz mica schist (DMps). Metapsammite, semipelite, and metapelite are the dominant lithologies with lesser quartz-garnet-biotite-muscovite schist and commonly micaceous quartzite. Conglomerate occurs rarely (Figure 4).

7. Deposit Types

The Property lies within an underexplored part of the loosely defined Tintina Gold Belt. This metallurgical province has past gold 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 70km southwest of Aussie Melba, and more recently by the Supremo discovery on Kaminak's Coffee property located approximately 80km south-southwest of Aussie Melba.

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 Aussie Melba 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 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

No *in situ* mineralization has been identified on the Property to date due primarily to the lack of outcrop.

9. 2010 Exploration Work

9.1. Introduction

Exploration work in 2011 consisted of a ridge and spur geochemical survey done from May 1, 2011 to July 15, 2011. Analytical work was done by ACME Labs from June 17 to July 15, 2011. The Junior Author compiled the field data into digital maps and wrote this Report up to December 10, 2011. A detailed Statement of Work is included herein as Appendix B.

9.2. Sampling and Analytical Procedures

The soil geochemical survey was done along pre-determined, GPS-guided ridge and spur traverses at sample intervals of 50m. The work was completed by crews based at Taku's camp at Dominion Creek camp under the supervision of the Senior Author. The crews were flown by helicopter to the Property on a daily basis. A total of 1,393 soil samples including field duplicates were collected with hand augers. The sampling array was chosen in an attempt to cover the entire property on a limited budget in such a way that would indicate potential gold trends rather than spot anomalies.

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 M-1000C GPS receivers in map datum UTM WGS 84 Zone 7. Sample locations (Figure 5) and descriptions are included as Appendix C. A data CD is also included. Soil sample material varied from clay to sand with some humus samples. Sample depth varied from 10 to 100cm with an average depth of 53cm.

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 D). 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 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 Senior Author verified the field data and analytical results.

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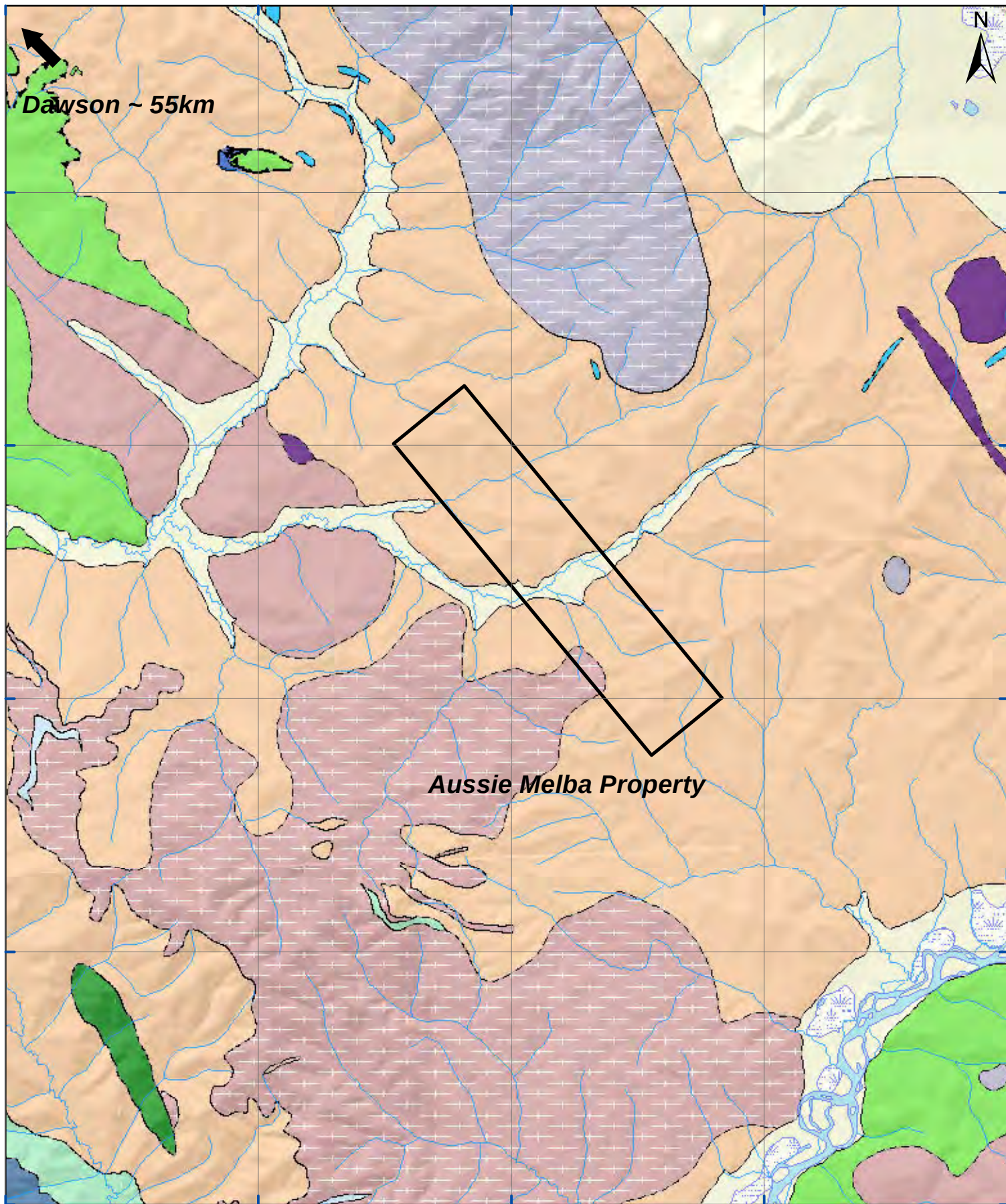
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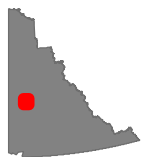


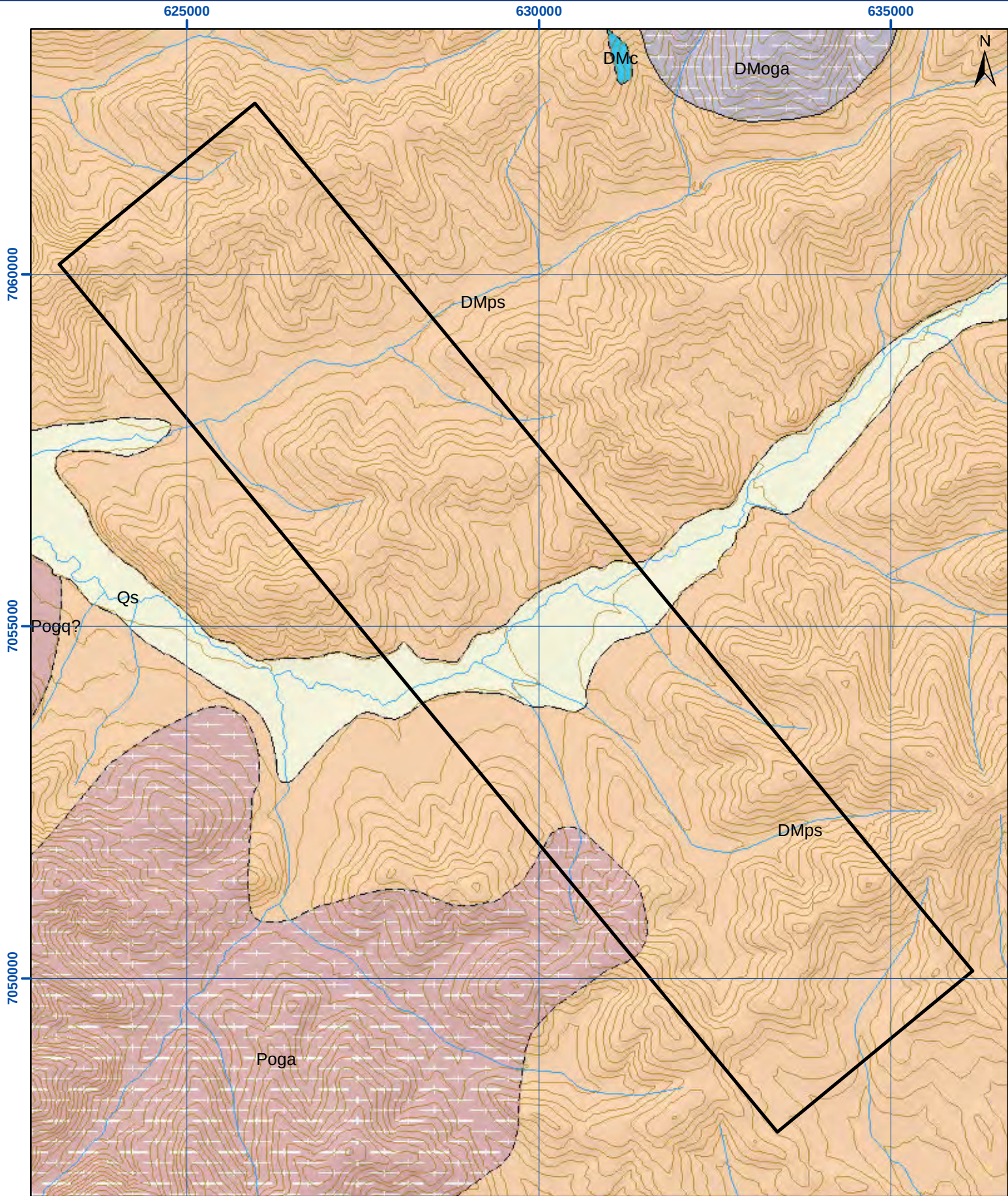
AUSSIE MELBA PROPERTY
Figure 3. REGIONAL GEOLOGY

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

0 2.5 5 10
km

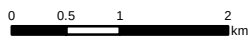
Aussie Melba Property
Figure 3. Regional Geology
Taku Gold Corp.
NTS Sheet: 1150
Date: October 24, 2011





AUSSIE MELBA PROPERTY
Figure 4. PROPERTY GEOLOGY

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:70 000



Aussie Melba Property
Figure 4. Property Geology
Taku Gold Corp.
NTS Sheet: 1150/09
Date: October 23, 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

9.4. Results

The soil samples returned gold values ranging from below detection limit (i.e. <5ppb Au) to a maximum of 58.9ppb Au. The data was analyzed to determine percentile breaks for gold and several commonly associated elements according to Table 4 below.

Table 4 - Percentile Breaks for Selected Elements

Percentile	Au(ppb)	Ag(ppm)	As(ppm)	Sb(ppm)
70 th	2.5	0.1	6.0	0.4
90 th	4.5	0.2	10.2	0.6
95 th	6.3	0.4	12.4	0.7
98 th	10.7	0.6	17.2	0.9

However, based on percentile breaks determined from Taku's database for the entire Klondike-White Gold area, 20 to 31ppb Au is considered weakly anomalous, 31 to 61ppb Au is considered moderately anomalous and greater than 61ppb Au is considered highly anomalous. The majority of the soil samples collected on the Aussie-Melba property returned gold values below the regional threshold background value of 10ppb Au. The northern half of the property yielded very few remarkable gold-in-soil results. Positive gold responses were localized to the southern half of the property with notable samples ranging up to 58.9ppb.

10. Adjacent Properties

No lode gold deposits are known to exist on the properties immediately adjacent to the Property. Significant gold mineralization has been reported approximately 70 km southwest of Aussie Melba at Kinross' 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 of 15.5m over 17.1gpt Au at the Supreme zone (Kaminak Press Release – May 26, 2010) is located approximately 80km south-southwest of Aussie Melba.

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 Aussie Melba 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 Aussie Melba.

12. Mineral Resource and Mineral Reserve Estimates

To date no mineral resource or mineral reserve estimates have been completed at Aussie Melba. 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

Positive ridge and spur gold results within Aussie Melba are localized to the southern half of the property. Results ranged up to 58.9ppb in this area. For a more detailed delineation of gold in soil locations further deep auger soil geochemical exploration is required at 50m sample intervals on grid lines spaced 100m apart. Airborne magnetic and radiometric surveys may also provide insight into potential gold-bearing structures.

15. Recommendations

The surface work met its primary goal of outlining areas of anomalous gold-in-soil that may potentially lead to gold-bearing structures. It is the Authors' opinion that the Aussie Melba property is of sufficient merit to recommend that surface exploration work continue. It is recommended that airborne magnetic and radiometric surveys be completed over the entire property, and detailed, grid-based soil geochemical surveys be completed at selected sites in the southern part of the Property.

Table 5 - Estimated Cost of Recommendations

Work	Amount		Rate		Total
Geochemical Survey	1000	samples @	\$75	per sample	\$75,000
Airborne Survey	440	km @	\$75	per km	\$33,000
Contingency (~10%)					\$10,800
Total					\$118,800

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).

Appendix A – List of Claims

Claim List for Cert of Work 2011 AussieMelba

Claim Information					Renewal			
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YD52101	FM	1	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52102	FM	2	30/07/2011	\$ -	2.5	\$ 25.00	\$ 62.50
Quartz	YD52103	FM	3	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52104	FM	4	30/07/2011	\$ -	2.5	\$ 25.00	\$ 62.50
Quartz	YD52105	FM	5	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52106	FM	6	30/07/2011	\$ -	2.5	\$ 25.00	\$ 62.50
Quartz	YD52107	FM	7	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52108	FM	8	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52109	FM	9	30/07/2011	\$ -	2.5	\$ 25.00	\$ 62.50
Quartz	YD52110	FM	10	30/07/2011	\$ -	2.5	\$ 25.00	\$ 62.50
Quartz	YD52111	FM	11	30/07/2011	\$ -	2.5	\$ 25.00	\$ 62.50
Quartz	YD52112	FM	12	30/07/2011	\$ -	2.5	\$ 25.00	\$ 62.50
Quartz	YD52113	FM	13	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52114	FM	14	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52115	FM	15	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52116	FM	16	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52117	FM	17	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52118	FM	18	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52119	FM	19	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52120	FM	20	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52121	FM	21	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52122	FM	22	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52123	FM	23	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52124	FM	24	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52125	FM	25	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52126	FM	26	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52127	FM	27	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52128	FM	28	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52129	FM	29	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52130	FM	30	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52131	FM	31	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52132	FM	32	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52133	FM	33	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52134	FM	34	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52135	FM	35	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52136	FM	36	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52137	FM	37	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52138	FM	38	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52139	FM	39	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52140	FM	40	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52141	FM	41	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52142	FM	42	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52143	FM	43	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52144	FM	44	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52145	FM	45	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52146	FM	46	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52147	FM	47	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52148	FM	48	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52149	FM	49	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52150	FM	50	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52151	FM	51	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52152	FM	52	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52153	FM	53	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52154	FM	54	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52155	FM	55	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52156	FM	56	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52157	FM	57	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52158	FM	58	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52159	FM	59	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52160	FM	60	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52161	FM	61	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52162	FM	62	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52163	FM	63	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52164	FM	64	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52165	FM	65	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52166	FM	66	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52167	FM	67	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52168	FM	68	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52169	FM	69	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52170	FM	70	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52171	FM	71	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52172	FM	72	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52173	FM	73	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52174	FM	74	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52175	FM	75	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52176	FM	76	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52177	FM	77	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52178	FM	78	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52179	FM	79	30/07/2011		2.5	\$ 25.00	\$ 62.50

Claim List for Cert of Work 2011 AussieMelba

Claim Information					Renewal			
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YD52180	FM	80	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52181	FM	81	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52182	FM	82	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52183	FM	83	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52184	FM	84	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52185	FM	85	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52186	FM	86	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52187	FM	87	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52188	FM	88	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52189	FM	89	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52190	FM	90	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52191	FM	91	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52192	FM	92	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52193	FM	93	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52194	FM	94	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52195	FM	95	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52196	FM	96	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52197	FM	97	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52198	FM	98	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52199	FM	99	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52200	FM	100	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52201	FM	101	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52202	FM	102	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52203	FM	103	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52204	FM	104	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52205	FM	105	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52206	FM	106	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52207	FM	107	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52208	FM	108	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52209	FM	109	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52210	FM	110	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52211	FM	111	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52212	FM	112	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52213	FM	113	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52214	FM	114	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52215	FM	115	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52216	FM	116	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52217	FM	117	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52218	FM	118	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52219	FM	119	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52220	FM	120	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52221	FM	121	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52222	FM	122	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52223	FM	123	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52224	FM	124	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52225	FM	125	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52226	FM	126	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52227	FM	127	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52228	FM	128	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52229	FM	129	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52230	FM	130	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52231	FM	131	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52232	FM	132	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52233	FM	133	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52234	FM	134	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52235	FM	135	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52236	FM	136	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52237	FM	137	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52238	FM	138	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52239	FM	139	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52240	FM	140	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52241	FM	141	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52242	FM	142	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52243	FM	143	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52244	FM	144	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52245	FM	145	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52246	FM	146	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52247	FM	147	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52248	FM	148	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52249	FM	149	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52250	FM	150	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52251	FM	151	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52252	FM	152	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52253	FM	153	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52254	FM	154	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52255	FM	155	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52256	FM	156	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52257	FM	157	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50

Claim List for Cert of Work 2011 AussieMelba

Claim Information					Renewal			
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YD52258	FM	158	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52259	FM	159	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52260	FM	160	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52261	FM	161	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52262	FM	162	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52263	FM	163	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52264	FM	164	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52265	FM	165	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52266	FM	166	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52267	FM	167	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52268	FM	168	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52269	FM	169	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52270	FM	170	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52271	FM	171	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52272	FM	172	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52273	FM	173	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52274	FM	174	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52275	FM	175	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52276	FM	176	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52277	FM	177	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52278	FM	178	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52279	FM	179	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52280	FM	180	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52281	FM	181	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52282	FM	182	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52283	FM	183	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52284	FM	184	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52285	FM	185	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52286	FM	186	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52287	FM	187	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52288	FM	188	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52289	FM	189	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52290	FM	190	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52291	FM	191	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52292	FM	192	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52293	FM	193	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52294	FM	194	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52295	FM	195	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52296	FM	196	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52297	FM	197	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52298	FM	198	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52299	FM	199	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52300	FM	200	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52301	FM	201	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52302	FM	202	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52303	FM	203	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52304	FM	204	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52305	FM	205	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52306	FM	206	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52307	FM	207	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52308	FM	208	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52309	FM	209	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52310	FM	210	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52311	FM	211	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52312	FM	212	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52313	FM	213	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52314	FM	214	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52315	FM	215	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52316	FM	216	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52317	FM	217	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52318	FM	218	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52319	FM	219	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52320	FM	220	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52321	FM	221	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52322	FM	222	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52323	FM	223	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52324	FM	224	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
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Quartz	YD52328	FM	228	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52329	FM	229	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52330	FM	230	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52331	FM	231	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52332	FM	232	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52333	FM	233	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52334	FM	234	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52335	FM	235	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50

Claim List for Cert of Work 2011 AussieMelba

Claim Information					Renewal			
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YD52336	FM	236	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52337	FM	237	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52338	FM	238	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52339	FM	239	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52340	FM	240	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52341	FM	241	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52342	FM	242	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52343	FM	243	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52344	FM	244	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52345	FM	245	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52346	FM	246	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52347	FM	247	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52348	FM	248	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52349	FM	249	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52350	FM	250	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52351	FM	251	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52352	FM	252	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52353	FM	253	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52354	FM	254	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52355	FM	255	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52356	FM	256	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52357	FM	257	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52358	FM	258	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52359	FM	259	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52360	FM	260	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52361	FM	261	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52362	FM	262	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52363	FM	263	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52364	FM	264	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52365	FM	265	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52366	FM	266	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52367	FM	267	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52368	FM	268	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52369	FM	269	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52370	FM	270	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52371	FM	271	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52372	FM	272	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52373	FM	273	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52374	FM	274	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52375	FM	275	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52376	FM	276	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52377	FM	277	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52378	FM	278	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
Quartz	YD52379	FM	279	30/07/2011		2.5	\$ 25.00	\$ 62.50
Quartz	YD52380	FM	280	30/07/2011	\$ 476.94	2.5	\$ 25.00	\$ 62.50
				Column Total	\$ 74,879.25			#####
				Check	\$ -			\$ 1,875.00

Appendix B – Statement of Work Expenditures



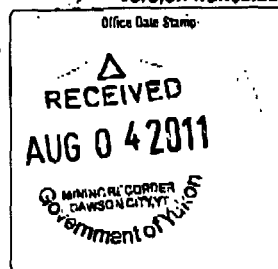
QUARTZ MINING ACT FORM 4, SECTION 56
APPLICATION FOR A CERTIFICATE OF WORK
 Version française

I, Mark Fekete on behalf of Taku Gold Corp.

of 680 3rd Ave Suite 203 Val d'or Quebec J9P 1S5

Phone 819 354 5244

make oath and say that:



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 List

situated at Melba Creek

Claim sheet No. 11509810- 1150-09/10

in the Dawson Mining District, to the value of at least 74879.25 dollars,

since the 1st day of May - 15 July, 20 11

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

See attached List

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).

1415 soil samples including duplicates collected between may 1st & july 15

Sworn before me at Dawson City this 2nd day of July August, 20 11

[Signature]
 Notary Public

[Signature]
 Owner or Authorized Agent

Access to Information and Protection of Privacy Act

The personal information requested on this form is collected under the authority of and used for the purpose of administering the Quartz Mining Act. Questions about the collection and use of this information can be directed to the Mining Records Office, Mineral Resources, Department of Energy, Mines and Resources, Yukon Government, Box 2703, Whitehorse, Yukon Territory, Y1A 2C6 (867) 667-9190

YG(5048Q) F2 04/2003



Claim Status Report

04 August 2011

Claim Name	Claim No.	Effective Date	Regulation Type	Area
P FM 1 - 280	YD52101 - YD52380	2011/07/30 Taku Gold Corp.	100.00	115009

Criteria(s) used for search:

CLAIM DISTRICT: 1000002 CLAIM NAME: FM CLAIM STATUS: ACTIVE & PENDING REGULATION TYPE: QUARTZ



Left column indicator legend:

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

Right column indicator legend:

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

Total claims selected: 280

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

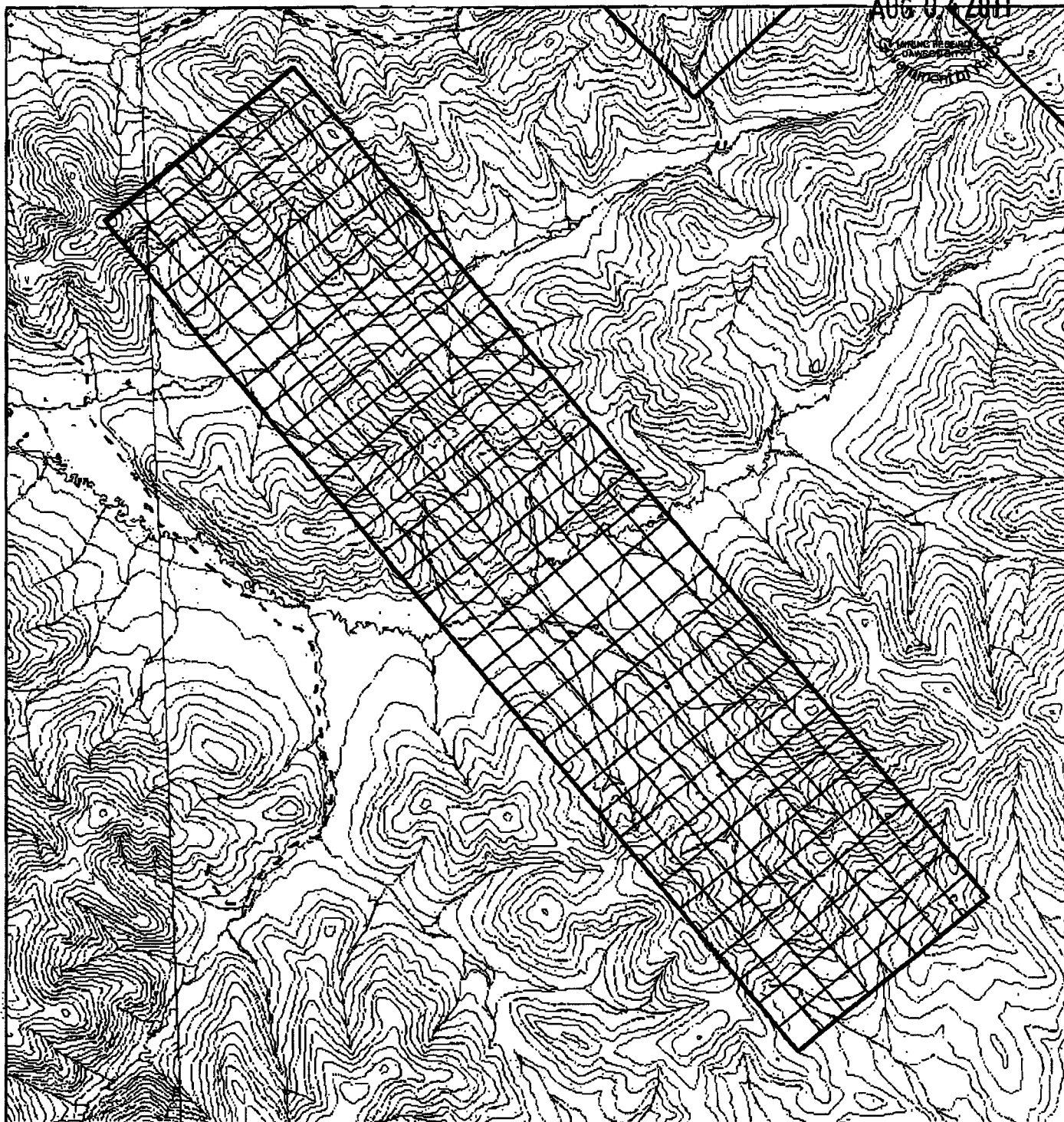
Supplier	Invoice	Date	Geochem								Total
			Wages & Contract	F&L	Supplies	Transport	Rentals	Drafting Maps etc.	Assays	Other	Total
Name	Ref No.	Date	5150	5151	5152	5153	5154	5155	5156	5157	Total
44984 Yukon Inc.	2011-2	25-Apr-11		7,602.50							7,602.50
Acklands Grainger	6081 0367970	5-May-11			54.26						54.26
Acklands Grainger	6081 0369286	30-May-11			5.05						5.05
Acme	VANI085978	30-Jun-11							5,472.00		5,472.00
Acme	VANI086007	30-Jun-11							2,616.30		2,616.30
Acme	VANI085977	30-Jun-11							5,472.00		5,472.00
Acme	VANI085976	30-Jun-11							5,472.00		5,472.00
AFD	IN016635	31-May-11				58.61					58.61
AFD	IN016797	31-May-11				6.80					6.80
Arctic Inland Resources Ltd.	01/06/2011	1-Jun-11				972.22					972.22
Arctic Inland Resources Ltd.	2080328	14-Jun-11			9.50						9.50
Arctic Inland Resources Ltd.	2080768	29-Jun-11			9.59						9.59
Bonanza Gold Motel & RV Park	2011058	12-Jun-11		79.83							79.83
Bonanza Gold Motel & RV Park	2011081	1-Jul-11		114.04							114.04
Bonanza Gold Motel & RV Park	2011-040	17-May-11		148.25							148.25
Bonanza Gold Motel & RV Park	2011-048	27-May-11		114.04							114.04
Bonanza Market	14693	10-Jun-11		9.36							9.36
Bonanza Market	14532	10-Jun-11		1.40							1.40
Bonanza Market	14517	10-Jun-11		4.17							4.17
Bonanza Market	14501	9-Jun-11		562.65							562.65
Bonanza Market	14340	5-Jun-11		24.54							24.54
Bonanza Market	14284	4-Jun-11		29.73							29.73
Bonanza Market	14240	3-Jun-11		1.89							1.89
Bonanza Market	14208	2-Jun-11		11.16							11.16
Bonanza Market	14140	1-Jun-11		92.75							92.75
Bonanza Market	14160	1-Jun-11		496.84							496.84
Bonanza Market	16/06/2011	16-Jun-11		1,278.10							1,278.10
Bonanza Market	01/07/2011	1-Jul-11		1,084.72							1,084.72
Bonanza Market	16/06/2011	16-Jun-11		25.17							25.17
BXM	676	23-Jun-11	1,613.71	75.39	3.01	745.76					2,437.87
BXM	682	23-Jun-11	16,929.00			450.00	3,260.00				20,639.00
Dawson Hardware Ltd.	30/06/2011	30-Jun-11			174.84						174.84
Dawson Hardware Ltd.	31/05/2011	31-May-11			350.98						350.98
Heli-Dynamics	10109	6-Jun-11				3,510.00					3,510.00
Heli-Dynamics	10110	7-Jun-11				2,970.00					2,970.00
Heli-Dynamics	10111	8-Jun-11				1,890.00					1,890.00
Heli-Dynamics	10112	9-Jun-11				2,250.00					2,250.00
Heli-Dynamics	10113	10-Jun-11				2,565.00					2,565.00
Heli-Dynamics	10114	11-Jun-11				2,970.00					2,970.00
Industrial Electric Services	0000119528	13-May-11									0.00
Industrial Electric Services	0000119534	17-May-11									0.00
Industrial Electric Services	0000119605	17-May-11									0.00
Industrial Electric Services	0000119603	6-Jun-11									0.00
Industrial Electric Services	0000119718	4-Jun-11									0.00
Jacobs Industries Limited	68657	5-May-11						35.72			35.72
Kluane Freight Lines Ltd.	06/29/2011	29-Jun-11				92.22					92.22
Larry Gilroy		1-May-11	775.45	1.03	17.38	9.12					802.99
NIS	S022356	2-Jun-11			11.21						11.21
NIS	S023163	3-Jun-11			47.44						47.44
NIS	S027339	14-Jun-11			1.24						1.24
Pacesetter Petroleum	2011053110X	31-May-11				176.91					176.91
Pacesetter Petroleum	2011061401	14-Jun-11				1,175.50					1,175.50
Pacesetter Petroleum	2011062107C	21-Jun-11				-9.12					-9.12
Pacesetter Petroleum	11070802C	8-Jul-11				-140.65					-140.65
SEEWOLF Enterprises Ltd.	698	6-Jun-11			23.72						23.72
Small's Expediting Services	K6613	11-Jul-11				11.40					11.40
Small's Expediting Services	K6551	7-Jul-11						26.61			26.61
Small's Expediting Services	K6589	8-Jul-11	25.09								25.09
Small's Expediting Services	K6583	8-Jul-11	41.05								41.05
Small's Expediting Services	K6632	11-Jul-11				4.81					4.81
Small's Expediting Services	K5603	18-Apr-11	9.12								9.12
Small's Expediting Services	K5677	28-Apr-11				51.75					51.75

Supplier	Invoice	Date	Geochem								Total
			Wages & Contract	F&L	Supplies	Transport	Rentals	Drafting Maps etc.	Assays	Other	Total
Name	Ref No.	Date	5150	5151	5152	5153	5154	5155	5156	5157	Total
Small's Expediting Services	K5808	1-May-11					83.83				83.83
Small's Expediting Services	K5808	19-Apr-11				86.53					86.53
Super Save Propane (Yukon)	1218423	13-May-11		193.52							193.52
Super Save Propane (Yukon)	1218423A	13-May-11		19.80							19.80
Super Save Propane (Yukon)	1218424	13-May-11		208.36							208.36
Super Save Propane (Yukon)	13130	14-May-11		259.85							259.85
Yukon Spring Inc.	157413	11-May-11					50.53				50.53
Yukon Spring Inc.	m23815	11-Jun-11					2.85				2.85
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Department of

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AUG 04 2011

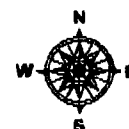


Aussie Melba Grouping Map



- Taku Properties
- Trail
- Waterbody
- Watercourse
- Vegetation

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:80 000



NTS Sheet: 1150/09 & 10
Date: July 24, 2011

Appendix C – Sample Locations and Descriptions

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104110	10/06/2011	MarkHiggins	631272	7050238	UTM27N_WGS84	Lithosoil	BrownLight	Silt	ModerateW	C	45	Dry	Excellent	ForestAspen
104111	10/06/2011	MarkHiggins	631240	7050287	UTM27N_WGS84	Colluvium	Green	Silt	ModerateW	C	70	Dry	Excellent	ForestAspen
104112	10/06/2011	MarkHiggins	631194	7050303	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateW	C	70	Dry	Excellent	ForestAspen
104113	10/06/2011	MarkHiggins	631159	7050346	UTM27N_WGS84	Lithosoil	Orange	Silt	Flat	C	40	Dry	Excellent	ForestAspen
104114	10/06/2011	MarkHiggins	631121	7050387	UTM27N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Excellent	ForestAspen
104115	10/06/2011	MarkHiggins	631097	7050423	UTM27N_WGS84	Lithosoil	Orange	Silt	Ridge	C	45	Dry	Excellent	ForestAspen
104116	10/06/2011	MarkHiggins	631066	7050471	UTM27N_WGS84	Lithosoil	Orange	Silt	Ridge	C	45	Dry	Excellent	ForestAspen
104117	10/06/2011	MarkHiggins	631051	7050513	UTM27N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	60	Dry	Excellent	ForestBlackSpruce
104118	10/06/2011	MarkHiggins	631018	7050568	UTM27N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
104083	08/06/2011	MarkHiggins	627825	7057171	UTM27N_WGS84	Colluvium	Orange	Silt	Flat	C	60	Dry	Excellent	ForestMixed
104084	08/06/2011	MarkHiggins	627840	7057222	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateN	C	80	Dry	Excellent	ForestMixed
104085	08/06/2011	MarkHiggins	627846	7057270	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
104086	08/06/2011	MarkHiggins	627851	7057314	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestBlackSpruce
104087	08/06/2011	MarkHiggins	627870	7057362	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	60	Moist	Excellent	ForestBlackSpruce
104088	08/06/2011	MarkHiggins	627885	7057578	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	70	Dry	Excellent	ForestBlackSpruce
104089	08/06/2011	MarkHiggins	627839	7057606	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestBlackSpruce
104090	08/06/2011	MarkHiggins	627827	7057656	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	60	Wet	Excellent	ForestBlackSpruce
104091	08/06/2011	MarkHiggins	627816	7057706	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestBlackSpruce
104092	08/06/2011	MarkHiggins	627812	7057753	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Moist	Good	ForestBlackSpruce
104093	08/06/2011	MarkHiggins	627825	7057808	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Wet	Good	ForestBlackSpruce
104094	08/06/2011	MarkHiggins	627845	7057880	UTM27N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestBlackSpruce
104095	08/06/2011	MarkHiggins	627853	7057944	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
104096	08/06/2011	MarkHiggins	627833	7057992	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	ForestBlackSpruce
104097	08/06/2011	MarkHiggins	627847	7058050	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	70	Dry	Excellent	ForestBlackSpruce
104098	08/06/2011	MarkHiggins	627846	7058107	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Good	ForestBlackSpruce
104099	08/06/2011	MarkHiggins	627838	7058141	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Wet	Good	ForestBlackSpruce
104100	08/06/2011	MarkHiggins	627859	7058213	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Moist	Excellent	ForestBlackSpruce
104101	08/06/2011	MarkHiggins	627876	7058319	UTM27N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Moist	Good	ForestMixed
104102	08/06/2011	MarkHiggins	627877	7058319	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	60	Dry	Good	ForestMixed
104103	08/06/2011	MarkHiggins	627895	7058367	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	40	Wet	Good	ForestBlackSpruce
104104	08/06/2011	MarkHiggins				Colluvium	BrownDark	Clay	ModerateN	C	25	Frozen	Poor	DrainageBrush
104105	10/06/2011	MarkHiggins	631489	7050099	UTM27N_WGS84	Colluvium	Orange	Silt	Ridge	C	80	Dry	Excellent	ForestMixed
104106	10/06/2011	MarkHiggins	631443	7050134	UTM27N_WGS84	Colluvium	Orange	Silt	Ridge	C	80	Dry	Excellent	ForestAspen
104107	10/06/2011	MarkHiggins	631397	7050155	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateW	C	80	Dry	Excellent	ForestAspen
104108	10/06/2011	MarkHiggins	631356	7050184	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateW	C	60	Dry	Excellent	ForestAspen
104109	10/06/2011	MarkHiggins	631317	7050227	UTM27N_WGS84	Lithosoil	Tan	Silt	ModerateW	C	40	Dry	Excellent	ForestAspen
104119	10/06/2011	MarkHiggins	630991	7050594	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestBlackSpruce
104120	10/06/2011	MarkHiggins	630962	7050648	UTM27N_WGS84	Lithosoil	Tan	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
104122	10/06/2011	MarkHiggins	630940	7050730	UTM27N_WGS84	Lithosoil	BrownLight	Silt	ModerateW	C	45	Dry	Excellent	ForestMixed
104123	10/06/2011	MarkHiggins	630928	7050779	UTM27N_WGS84	Lithosoil	BrownLight	Silt	ModerateW	C	45	Dry	Excellent	ForestMixed
104124	10/06/2011	MarkHiggins	630918	7050843	UTM27N_WGS84	Lithosoil	BrownLight	Silt	ModerateN	C	30	Frozen	Poor	
104125	10/06/2011	MarkHiggins	630898	7050872	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	30	Frozen	Poor	ForestMixed
104126	10/06/2011	MarkHiggins	630877	7050929	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	25	Frozen	Poor	
104127	10/06/2011	MarkHiggins	630858	7050969	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	30	Frozen	Poor	ForestMixed
104128	10/06/2011	MarkHiggins	630848	7051017	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Wet	Good	ForestMixed
104129	10/06/2011	MarkHiggins	630838	7051057	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	80	Dry	Excellent	ForestBlackSpruce
104130	10/06/2011	MarkHiggins	630828	7051112	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	40	Frozen	Poor	ForestBlackSpruce
104131	10/06/2011	MarkHiggins	630824	7051158	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Frozen	Good	ForestBlackSpruce
104132	10/06/2011	MarkHiggins	630789	7051207	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Frozen	Good	ForestBlackSpruce
104133	10/06/2011	MarkHiggins	630778	7051265	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateN	C	80	Dry	Excellent	ForestBlackSpruce
104134	10/06/2011	MarkHiggins	630763	7051309	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	70	Frozen	Excellent	ForestMixed
104135	10/06/2011	MarkHiggins	630753	7051348	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Wet	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104136	10/06/2011	MarkHiggins	630739	7051412	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateN	C	80	Dry	Excellent	ForestMixed
104137	10/06/2011	MarkHiggins	630720	7051448	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
104138	10/06/2011	MarkHiggins	630706	7051503	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	80	Dry	Excellent	ForestMixed
104139	10/06/2011	MarkHiggins	630687	7051559	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
104140	10/06/2011	MarkHiggins	630687	7051559	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
104141	10/06/2011	MarkHiggins	630681	7051607	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
104142	11/06/2011	MarkHiggins	635661	7050700	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
104143	11/06/2011	MarkHiggins	635637	7050629	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	40	Dry	Excellent	ForestMixed
104144	11/06/2011	MarkHiggins	635638	7050593	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	70	Dry	Excellent	ForestMixed
104145	11/06/2011	MarkHiggins	635610	7050531	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	70	Dry	Excellent	ForestMixed
104146	11/06/2011	MarkHiggins	635585	7050489	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	70	Dry	Excellent	ForestMixed
104147	11/06/2011	MarkHiggins	635559	7050453	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
104148	11/06/2011	MarkHiggins	635530	7050404	UTMZ7N_WGS84	Lithosoil	Tan	Silt	Flat	C	50	Dry	Excellent	ForestMixed
104149	11/06/2011	MarkHiggins	635497	7050375	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
104150	11/06/2011	MarkHiggins	635464	7050341	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateSW	C	40	Moist	Excellent	ForestMixed
104151	11/06/2011	MarkHiggins	635430	7050307	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	C	70	Moist	Excellent	ForestMixed
104152	11/06/2011	MarkHiggins	635178	7050110	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	SteepSW	C	40	Frozen	Good	ForestMixed
104153	11/06/2011	MarkHiggins	635159	7050080	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	50	Dry	Excellent	ForestAspen
104154	11/06/2011	MarkHiggins	635122	7050039	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	50	Dry	Excellent	ForestMixed
104155	11/06/2011	MarkHiggins	635074	7050014	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	C	70	Dry	Excellent	ForestMixed
104156	11/06/2011	MarkHiggins	635044	7049979	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
107095	09/06/2011	RandyCampbell	628054	7056441	UTMZ7N_WGS84	Colluvium	Grey	Silt	Ridge	C	70	Dry	Excellent	ForestMixed
107096	09/06/2011	RandyCampbell	628084	7056407	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
107097	09/06/2011	RandyCampbell	628128	7056384	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
107098	09/06/2011	RandyCampbell	628165	7056357	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
107099	09/06/2011	RandyCampbell	628206	7056315	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
107100	09/06/2011	RandyCampbell	628252	7056287	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
107101	09/06/2011	RandyCampbell	628293	7056275	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
107102	09/06/2011	RandyCampbell	628334	7056244	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Moist	Excellent	ForestMixed
107103	09/06/2011	RandyCampbell	628380	7056216	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
107104	09/06/2011	RandyCampbell	628429	7056190	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
107105	09/06/2011	RandyCampbell	628462	7056158	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
107106	09/06/2011	RandyCampbell	628500	7056131	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
107107	09/06/2011	RandyCampbell	628539	7056086	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
107108	09/06/2011	RandyCampbell	628547	7056045	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
107109	09/06/2011	RandyCampbell	628555	7055996	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
107110	09/06/2011	RandyCampbell	628568	7055947	UTMZ7N_WGS84	Alluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
107111	09/06/2011	RandyCampbell	628581	7055902	UTMZ7N_WGS84	Alluvium	Orange	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
107112	09/06/2011	RandyCampbell	628599	7055860	UTMZ7N_WGS84	Alluvium	Orange	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
107113	09/06/2011	RandyCampbell	628618	7055809	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	50	Dry	Excellent	ForestMixed
107114	09/06/2011	RandyCampbell	628622	7055757	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
107115	09/06/2011	RandyCampbell	628620	7055756	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
107116	09/06/2011	RandyCampbell	628635	7055706	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
107117	09/06/2011	RandyCampbell	628648	7055655	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
107118	09/06/2011	RandyCampbell	628663	7055604	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
107119	09/06/2011	RandyCampbell	628684	7055562	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
107120	09/06/2011	RandyCampbell	628705	7055521	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
107121	09/06/2011	RandyCampbell	628718	7055471	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	80	Dry	Excellent	ForestMixed
107122	09/06/2011	RandyCampbell	628725	7055417	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Moist	Excellent	ForestMixed
107123	09/06/2011	RandyCampbell	628716	7055364	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	70	Dry	Excellent	ForestMixed
107124	09/06/2011	RandyCampbell	628705	7055320	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	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
107125	09/06/2011	RandyCampbell	628686	7055270	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Moist	Excellent	ForestMixed
107126	09/06/2011	RandyCampbell	628691	7055221	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Excellent	ForestMixed
107127	09/06/2011	RandyCampbell	628700	7055168	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
107128	09/06/2011	RandyCampbell	628687	7055128	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
107129	09/06/2011	RandyCampbell	628673	7055071	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateSE	C	50	Moist	Excellent	ForestMixed
107130	09/06/2011	RandyCampbell	628666	7055026	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSE	C	60	Moist	Good	ForestMixed
107131	09/06/2011	RandyCampbell	628653	7054976	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
107132	09/06/2011	RandyCampbell	628641	7054921	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
107133	09/06/2011	RandyCampbell	628635	7054874	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
107134	09/06/2011	RandyCampbell	628636	7054831	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	30	Dry	Good	ForestMixed
107135	09/06/2011	RandyCampbell	628624	7054777	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
107136	09/06/2011	RandyCampbell	628628	7054733	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	50	Dry	Good	ForestMixed
107137	09/06/2011	RandyCampbell	628611	7054679	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	50	Dry	Good	ForestMixed
107138	09/06/2011	RandyCampbell	628606	7054638	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	B	30	Moist	Good	ForestMixed
107139	10/06/2011	RandyCampbell	632843	7054026	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	60	Moist	Good	ForestMixed
107140	10/06/2011	RandyCampbell	632841	7054028	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	60	Moist	Good	ForestMixed
107141	10/06/2011	RandyCampbell	632822	7054053	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	50	Dry	Good	ForestMixed
107142	10/06/2011	RandyCampbell	632794	7054088	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	60	Dry	Good	ForestMixed
107143	10/06/2011	RandyCampbell	632767	7054125	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	70	Dry	Excellent	ForestMixed
107144	10/06/2011	RandyCampbell	632730	7054160	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	40	Dry	Good	ForestMixed
107145	10/06/2011	RandyCampbell	632690	7054206	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	80	Dry	Excellent	ForestMixed
107146	10/06/2011	RandyCampbell	632663	7054237	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	70	Dry	Excellent	ForestMixed
107147	10/06/2011	RandyCampbell	632635	7054282	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	40	Dry	Good	ForestMixed
107148	10/06/2011	RandyCampbell	632583	7054321	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	80	Dry	Excellent	ForestMixed
107149	10/06/2011	RandyCampbell	632569	7054360	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	50	Dry	Good	ForestMixed
107150	10/06/2011	RandyCampbell	632544	7054400	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateS	C	80	Moist	Good	ForestMixed
107151	10/06/2011	RandyCampbell	632502	7054427	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107152	10/06/2011	RandyCampbell	632460	7054458	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107153	10/06/2011	RandyCampbell	632434	7054505	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107154	10/06/2011	RandyCampbell	632401	7054543	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	B	40	Dry	Good	ForestMixed
107155	10/06/2011	RandyCampbell	632365	7054584	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107156	10/06/2011	RandyCampbell	632337	7054619	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
107157	10/06/2011	RandyCampbell	632307	7054655	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
107158	10/06/2011	RandyCampbell	632269	7054698	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107159	10/06/2011	RandyCampbell	632239	7054729	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107160	10/06/2011	RandyCampbell	632207	7054765	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateS	C	80	Dry	Excellent	ForestMixed
107161	10/06/2011	RandyCampbell	632171	7054803	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107162	10/06/2011	RandyCampbell	632132	7054842	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	80	Moist	Excellent	ForestMixed
107163	10/06/2011	RandyCampbell	632111	7054882	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
107164	10/06/2011	RandyCampbell	632059	7054910	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
107165	10/06/2011	RandyCampbell	632059	7054910	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
107166	10/06/2011	RandyCampbell	632014	7054995	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Frozen	Poor	ForestMixed
107167	10/06/2011	RandyCampbell	631978	7055040	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	30	Frozen	Poor	ForestMixed
107168	10/06/2011	RandyCampbell	631943	7055073	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	40	Frozen	Poor	ForestMixed
107169	10/06/2011	RandyCampbell	630861	7054767	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	60	Frozen	Poor	ForestMixed
107170	10/06/2011	RandyCampbell	630911	7054732	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	30	Frozen	Poor	ForestMixed
107171	10/06/2011	RandyCampbell	630948	7054692	UTMZ7N_WGS84	Lacustrian	Grey	Clay	Flat	B	60	Frozen	Poor	ForestMixed
107172	10/06/2011	RandyCampbell	630986	7054663	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	40	Frozen	Poor	ForestMixed
107173	11/06/2011	RandyCampbell	634596	7051358	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	30	Moist	Poor	ForestMixed
107174	11/06/2011	RandyCampbell	634570	7051394	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateS	C	40	Moist	Good	ForestMixed
107175	11/06/2011	RandyCampbell	634526	7051412	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	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
107176	11/06/2011	RandyCampbell	634468	7051436	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateS	C	60	Moist	Good	ForestMixed
107177	11/06/2011	RandyCampbell	634436	7051466	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	50	Moist	Good	ForestMixed
107178	11/06/2011	RandyCampbell	634385	7051492	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateS	C	60	Moist	Good	ForestMixed
107179	11/06/2011	RandyCampbell	634340	7051524	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	40	Dry	Excellent	ForestMixed
107180	11/06/2011	RandyCampbell	634308	7051543	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
107181	11/06/2011	RandyCampbell	634269	7051573	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	60	Moist	Good	ForestMixed
107182	11/06/2011	RandyCampbell	634228	7051593	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Frozen	Poor	ForestMixed
107183	11/06/2011	RandyCampbell	634182	7051609	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107184	11/06/2011	RandyCampbell	634134	7051628	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107185	11/06/2011	RandyCampbell	634079	7051634	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Good	ForestMixed
107186	11/06/2011	RandyCampbell	634030	7051646	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Moist	Good	ForestMixed
107187	11/06/2011	RandyCampbell	633988	7051659	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateS	C	40	Dry	Excellent	ForestMixed
107188	11/06/2011	RandyCampbell	633938	7051675	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107189	11/06/2011	RandyCampbell	633894	7051697	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	50	Moist	Excellent	ForestMixed
107190	11/06/2011	RandyCampbell	633894	7051697	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	50	Moist	Excellent	ForestMixed
107191	11/06/2011	RandyCampbell	633846	7051706	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Dry	Good	ForestMixed
107192	11/06/2011	RandyCampbell	633788	7051724	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
107193	11/06/2011	RandyCampbell	633744	7051730	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
107194	11/06/2011	RandyCampbell	633702	7051753	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
107195	11/06/2011	RandyCampbell	633657	7051773	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
108181	09/06/2011	BenDubois	627958	7057020	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
108182	09/06/2011	BenDubois	627964	7056971	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
108183	09/06/2011	BenDubois	627942	7056901	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
108184	09/06/2011	BenDubois	627979	7056857	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
108186	09/06/2011	BenDubois	627986	7056763	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
108187	09/06/2011	BenDubois	627978	7056716	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
108188	09/06/2011	BenDubois	627995	7056662	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
108189	09/06/2011	BenDubois	627995	7056618	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
108190	09/06/2011	BenDubois	627995	7056619	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
108191	09/06/2011	BenDubois	628007	7056555	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Moist	Poor	ForestMixed
108192	09/06/2011	BenDubois	628006	7056502	UTMZ7N_WGS84	Colluvium	Black	Silt	Flat	C	50	Moist	Excellent	ForestMixed
108193	09/06/2011	BenDubois	628003	7056459	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Moist	Good	ForestMixed
108194	09/06/2011	BenDubois	627949	7056417	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
108195	09/06/2011	BenDubois	627916	7056395	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateS	C	30	Moist	Good	ForestMixed
108196	09/06/2011	BenDubois	627880	7056363	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateSW	C	60	Moist	Excellent	ForestMixed
108197	09/06/2011	BenDubois	627835	7056347	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	70	Moist	Excellent	ForestMixed
108198	09/06/2011	BenDubois	627801	7056312	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	50	Moist	Excellent	ForestMixed
108199	09/06/2011	BenDubois	627757	7056290	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
108201	09/06/2011	BenDubois	627707	7056250	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	90	Dry	Excellent	ForestMixed
108202	09/06/2011	BenDubois	627673	7056219	UTMZ7N_WGS84	Colluvium	White	Silt	Flat	C	80	Dry	Excellent	ForestMixed
108203	09/06/2011	BenDubois	627638	7056187	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Moist	Good	ForestMixed
108204	09/06/2011	BenDubois	627600	7056166	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
108205	09/06/2011	BenDubois	627557	7056129	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Moist	Good	ForestMixed
108206	09/06/2011	BenDubois	627516	7056097	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	80	Dry	Good	ForestMixed
108207	09/06/2011	BenDubois	627461	7056080	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	40	Moist	Excellent	ForestMixed
108208	09/06/2011	BenDubois	627437	7056048	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
108209	09/06/2011	BenDubois	627388	7056021	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
108210	09/06/2011	BenDubois	627338	7056007	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	60	Moist	Excellent	ForestMixed
108211	09/06/2011	BenDubois	627306	7055964	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	50	Dry	Excellent	ForestMixed
108212	09/06/2011	BenDubois	627259	7055950	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	ForestMixed
108213	09/06/2011	BenDubois	627216	7055934	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	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
108214	09/06/2011	BenDubois	627185	7055889	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	60	Dry	Excellent	ForestMixed
108215	09/06/2011	BenDubois	627184	7055887	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	60	Dry	Excellent	ForestMixed
108216	09/06/2011	BenDubois	627137	7055853	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	70	Moist	Good	ForestMixed
108217	09/06/2011	BenDubois	627101	7055823	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	30	Dry	Excellent	ForestMixed
108218	09/06/2011	BenDubois	627063	7055797	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
108219	09/06/2011	BenDubois	627018	7055767	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
108220	09/06/2011	BenDubois	626987	7055727	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Frozen	Excellent	ForestMixed
108221	09/06/2011	BenDubois	626945	7055703	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Excellent	ForestMixed
108222	09/06/2011	BenDubois	626892	7055697	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
108223	09/06/2011	BenDubois	626842	7055683	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	B	30	Frozen	Poor	ForestMixed
108224	10/06/2011	BenDubois	632641	7053534	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Moist	Poor	ForestMixed
108225	10/06/2011	BenDubois	632592	7053574	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Good	ForestMixed
108226	10/06/2011	BenDubois	632543	7053586	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	50	Dry	Good	ForestMixed
108227	10/06/2011	BenDubois	632515	7053612	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Good	ForestMixed
108228	10/06/2011	BenDubois	632465	7053644	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Good	ForestMixed
108229	10/06/2011	BenDubois	632425	7053672	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	ForestMixed
108230	10/06/2011	BenDubois	632387	7053695	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Flat	C	30	Dry	Poor	ForestMixed
108231	10/06/2011	BenDubois	632337	7053723	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry	Excellent	ForestMixed
108232	10/06/2011	BenDubois	632298	7053749	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
108233	10/06/2011	BenDubois	632257	7053783	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Poor	ForestMixed
108234	10/06/2011	BenDubois	632220	7053810	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	40	Dry	Good	ForestMixed
108235	10/06/2011	BenDubois	632174	7053841	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry	Good	ForestMixed
108236	10/06/2011	BenDubois	632130	7053862	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	80	Dry	Excellent	ForestMixed
108237	10/06/2011	BenDubois	632094	7053902	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Good	ForestMixed
108238	10/06/2011	BenDubois	632043	7053925	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateNW	C	70	Dry	Excellent	ForestMixed
108239	10/06/2011	BenDubois	632007	7053955	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	70	Dry	Excellent	ForestMixed
108240	10/06/2011	BenDubois	632004	7053955	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	70	Dry	Excellent	ForestMixed
108241	10/06/2011	BenDubois	631954	7053978	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
108242	10/06/2011	BenDubois	631922	7054007	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
108243	10/06/2011	BenDubois	631883	7054036	UTMZ7N_WGS84	Soil	Green	Silt	ModerateNW	C	80	Dry	Excellent	ForestMixed
108244	10/06/2011	BenDubois	631836	7054062	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	80	Moist	Excellent	ForestMixed
108245	10/06/2011	BenDubois	631800	7054092	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	60	Moist	Excellent	ForestMixed
108246	10/06/2011	BenDubois	631760	7054123	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Frozen	Excellent	ForestMixed
108247	10/06/2011	BenDubois	631719	7054148	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	70	Moist	Excellent	ForestMixed
108248	10/06/2011	BenDubois	631681	7054174	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	80	Moist	Excellent	ForestMixed
108249	10/06/2011	BenDubois	631635	7054212	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	60	Frozen	Good	ForestMixed
108250	10/06/2011	BenDubois	631606	7054233	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	70	Frozen	Good	ForestMixed
108251	10/06/2011	BenDubois	631566	7054266	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	50	Frozen	Excellent	ForestMixed
108252	10/06/2011	BenDubois	631520	7054299	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	40	Moist	Good	ForestMixed
108253	10/06/2011	BenDubois	631478	7054312	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	40	Frozen	Good	ForestMixed
108254	10/06/2011	BenDubois	631443	7054346	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	40	Frozen	Good	ForestMixed
108255	10/06/2011	BenDubois	631400	7054371	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	C	40	Frozen	Good	ForestMixed
108256	10/06/2011	BenDubois	631370	7054399	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	40	Frozen	Good	ForestBlackSpruce
108257	10/06/2011	BenDubois	631331	7054431	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	30	Frozen	Good	ForestBlackSpruce
108258	10/06/2011	BenDubois	631286	7054449	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	40	Dry	Excellent	ForestMixed
108259	10/06/2011	BenDubois	631234	7054499	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	B	40	Frozen	Good	ForestMixed
108260	10/06/2011	BenDubois	631199	7054522	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	30	Moist	Poor	ForestMixed
108261	10/06/2011	BenDubois	631124	7054582	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	C	30	Frozen	Good	ForestMixed
108262	10/06/2011	BenDubois	631079	7054605	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	C	40	Frozen	Good	ForestMixed
108263	10/06/2011	BenDubois	631033	7054629	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	50	Frozen	Good	ForestMixed
111117	08/06/2011	JordanHarrington	624506	7060249	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Frozen	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
111118	08/06/2011	JordanHarrington	624484	7060201	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Frozen	Good	ForestMixed
111119	08/06/2011	JordanHarrington	624480	7060143	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	60	Frozen	Good	ForestMixed
111120	08/06/2011	JordanHarrington	624481	7060092	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Frozen	Good	ForestMixed
111121	08/06/2011	JordanHarrington	624479	7060043	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	80	Frozen	Good	ForestMixed
111122	08/06/2011	JordanHarrington	624497	7059994	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	60	Frozen	Good	ForestMixed
111123	08/06/2011	JordanHarrington	624504	7059946	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	50	Dry	Good	ForestMixed
111124	08/06/2011	JordanHarrington	624497	7059889	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
111125	08/06/2011	JordanHarrington	624490	7059844	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	C	90	Dry	Excellent	ForestMixed
111126	08/06/2011	JordanHarrington	624488	7059785	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	60	Dry	Good	ForestMixed
111127	08/06/2011	JordanHarrington	624487	7059744	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	C	80	Dry	Excellent	ForestMixed
111128	08/06/2011	JordanHarrington	624492	7059690	UTMZ7N_WGS84	Soil	Green	Silt	Ridge	C	40	Dry	Good	ForestAspen
111129	08/06/2011	JordanHarrington	624489	7059642	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestAspen
111130	08/06/2011	JordanHarrington	624487	7059586	UTMZ7N_WGS84	Soil	Black	Silt	Ridge	C	70	Dry	Good	ForestAspen
111131	08/06/2011	JordanHarrington	624475	7059545	UTMZ7N_WGS84	Soil	Green	Silt	Ridge	C	90	Dry	Excellent	ForestAspen
111132	08/06/2011	JordanHarrington	624473	7059493	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	40	Dry	Good	ForestAspen
111133	08/06/2011	JordanHarrington	624463	7059442	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	90	Dry	Excellent	ForestAspen
111134	08/06/2011	JordanHarrington	624450	7059396	UTMZ7N_WGS84	Lithosoil	Green	Silt	Ridge	C	30	Dry	Good	ForestMixed
111135	08/06/2011	JordanHarrington	624435	7059338	UTMZ7N_WGS84	Soil	Green	Silt	Ridge	C	70	Dry	Good	ForestMixed
111136	08/06/2011	JordanHarrington	624472	7059287	UTMZ7N_WGS84	Lithosoil	Green	Silt	Ridge	C	40	Dry	Good	ForestMixed
111137	08/06/2011	JordanHarrington	624451	7059240	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	30	Dry	Good	ForestMixed
111138	08/06/2011	JordanHarrington	624435	7059194	UTMZ7N_WGS84	Soil	RustyOrange	Silt	Ridge	C	70	Dry	Good	ForestMixed
111139	08/06/2011	JordanHarrington	624426	7059098	UTMZ7N_WGS84	Lithosoil	Green	Silt	Ridge	C	50	Dry	Good	ForestMixed
111140	08/06/2011	JordanHarrington	624425	7059044	UTMZ7N_WGS84	Lithosoil	Green	Silt	Ridge	C	40	Dry	Good	ForestMixed
111141	08/06/2011	JordanHarrington	624441	7058996	UTMZ7N_WGS84	Lithosoil	Green	Sand	Ridge	C	40	Dry	Good	ForestMixed
111142	08/06/2011	JordanHarrington	624481	7058941	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	70	Dry	Good	ForestMixed
111143	08/06/2011	JordanHarrington	624461	7058903	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateSW	C	80	Dry	Good	ForestMixed
111144	08/06/2011	JordanHarrington	624463	7058840	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	80	Dry	Good	ForestMixed
111145	08/06/2011	JordanHarrington	624485	7058796	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	80	Dry	Good	ForestMixed
111146	08/06/2011	JordanHarrington	624500	7058751	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	80	Dry	Good	ForestMixed
111147	08/06/2011	JordanHarrington	624507	7058699	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	70	Dry	Good	ForestMixed
111148	08/06/2011	JordanHarrington	624533	7058656	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
111149	08/06/2011	JordanHarrington	624527	7058609	UTMZ7N_WGS84	Colluvium	RustyOrange		ModerateSW	C	100	Frozen	Excellent	ForestMixed
111150	08/06/2011	JordanHarrington	624525	7058548	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	C	60	Dry	Good	ForestMixed
111151	08/06/2011	JordanHarrington	624541	7058503	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	70	Frozen	Good	ForestMixed
111152	08/06/2011	JordanHarrington	624556	7058471	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateSW	C	80	Dry	Excellent	ForestMixed
111153	08/06/2011	JordanHarrington	624556	7058396	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	80	Dry	Good	ForestMixed
111154	09/06/2011	JordanHarrington	628802	7057334	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Frozen	Good	ForestMixed
111158	09/06/2011	JordanHarrington	628549	7058840	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	30	Frozen	Poor	ForestBlackSpruce
111159	09/06/2011	JordanHarrington	628597	7058843	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	30	Frozen	Good	ForestBlackSpruce
111160	09/06/2011	JordanHarrington	628691	7058842	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	B	30	Frozen	Good	ForestBlackSpruce
111161	09/06/2011	JordanHarrington	628747	7058828	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNW	B	30	Frozen	Good	ForestBlackSpruce
111162	09/06/2011	JordanHarrington	628815	7058799	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
111163	09/06/2011	JordanHarrington	628850	7058774	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
111164	09/06/2011	JordanHarrington	628889	7058757	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	60	Dry	Good	ForestMixed
111165	09/06/2011	JordanHarrington	628929	7058735	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNW	C	60	Dry	Good	ForestMixed
111166	09/06/2011	JordanHarrington	628966	7058688	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	C	70	Dry	Good	ForestMixed
111167	09/06/2011	JordanHarrington	629043	7058618	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Wet	Good	ForestBlackSpruce
111169	10/06/2011	JordanHarrington	631791	7049436	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
111170	10/06/2011	JordanHarrington	631782	7049485	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	100	Dry	Excellent	ForestMixed
111171	10/06/2011	JordanHarrington	631756	7049520	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	100	Dry	Excellent	ForestMixed
111172	10/06/2011	JordanHarrington	631719	7049565	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	60	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
111173	10/06/2011	JordanHarrington	631701	7049608	UTM27N_WGS84	Lithosoil	RustyOrange	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
111174	10/06/2011	JordanHarrington	631690	7049659	UTM27N_WGS84	Lithosoil	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
111175	10/06/2011	JordanHarrington	631675	7049706	UTM27N_WGS84	Lithosoil	RustyOrange	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
111176	10/06/2011	JordanHarrington	631662	7049759	UTM27N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	50	Dry	Good	ForestBlackSpruce
111177	10/06/2011	JordanHarrington	631637	7049805	UTM27N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	C	40	Dry	Good	ForestBlackSpruce
111178	10/06/2011	JordanHarrington	631622	7049854	UTM27N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	C	40	Dry	Good	ForestBlackSpruce
111179	10/06/2011	JordanHarrington	631609	7049892	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Good	ForestBlackSpruce
111180	10/06/2011	JordanHarrington	631571	7049950	UTM27N_WGS84	Lithosoil	Green	Silt	Ridge	C	50	Moist	Good	ForestMixed
111181	10/06/2011	JordanHarrington	631551	7049983	UTM27N_WGS84	Lithosoil	Green	Silt	Ridge	C	50	Moist	Good	ForestMixed
111182	10/06/2011	JordanHarrington	631544	7050031	UTM27N_WGS84	Lithosoil	Green	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
111183	10/06/2011	JordanHarrington	631510	7050069	UTM27N_WGS84	Colluvium	RustyOrange	Silt	ModerateW	C	60	Dry	Good	ForestMixed
111184	10/06/2011	JordanHarrington	631544	7050106	UTM27N_WGS84	Lithosoil	Green	Silt	Ridge	C	30	Dry	Good	ForestMixed
111185	10/06/2011	JordanHarrington	631560	7050131	UTM27N_WGS84	Lithosoil	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111186	10/06/2011	JordanHarrington	631593	7050162	UTM27N_WGS84	Regolith	Brown	Silt	ModerateE	C	50	Dry	Good	ForestBlackSpruce
111187	10/06/2011	JordanHarrington	631628	7050197	UTM27N_WGS84	Lithosoil	Green	Silt	ModerateE	C	50	Frozen	Good	ForestBlackSpruce
111188	10/06/2011	JordanHarrington	631663	7050234	UTM27N_WGS84	Lithosoil	Brown	Silt	ModerateE	C	40	Frozen	Good	ForestBlackSpruce
111189	10/06/2011	JordanHarrington	631703	7050260	UTM27N_WGS84	Colluvium	Green	Silt	ModerateE	C	40	Frozen	Good	ForestBlackSpruce
111190	10/06/2011	JordanHarrington	631703	7050260	UTM27N_WGS84	Colluvium	Green	Silt	ModerateE	C	40	Frozen	Good	ForestBlackSpruce
111191	10/06/2011	JordanHarrington	631751	7050295	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestBlackSpruce
111192	10/06/2011	JordanHarrington	631779	7050322	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestBlackSpruce
111193	10/06/2011	JordanHarrington	631819	7050361	UTM27N_WGS84	Colluvium	Green	Silt	ModerateE	C	40	Frozen	Good	ForestBlackSpruce
111194	10/06/2011	JordanHarrington	631852	7050398	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
111195	10/06/2011	JordanHarrington	631913	7050431	UTM27N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111196	10/06/2011	JordanHarrington	631937	7050465	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111197	10/06/2011	JordanHarrington	631979	7050493	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	80	Dry	Good	ForestMixed
111198	10/06/2011	JordanHarrington	632007	7050526	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Moist	Good	ForestMixed
111199	10/06/2011	JordanHarrington	632035	7050557	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111200	10/06/2011	JordanHarrington	632091	7050588	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111201	10/06/2011	JordanHarrington	632122	7050619	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Moist	Good	ForestBlackSpruce
111202	10/06/2011	JordanHarrington	632157	7050652	UTM27N_WGS84	Lithosoil	Grey	Silt	ModerateE	C	40	Moist	Good	ForestMixed
111203	10/06/2011	JordanHarrington	632201	7050689	UTM27N_WGS84	Colluvium	Green	Silt	ModerateE	C	80	Moist	Good	ForestMixed
111204	10/06/2011	JordanHarrington	632692	7050613	UTM27N_WGS84	Colluvium	Grey	Silt	ModerateW	C	40	Moist	Good	ForestMixed
111205	10/06/2011	JordanHarrington	632741	7050610	UTM27N_WGS84	Colluvium	Grey	Silt	ModerateW	C	70	Moist	Good	ForestMixed
111206	10/06/2011	JordanHarrington	632809	7050601	UTM27N_WGS84	Colluvium	Grey	Silt	ModerateW	C	70	Dry	Good	ForestMixed
111207	10/06/2011	JordanHarrington	632851	7050591	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	40	Dry	Good	ForestMixed
111208	10/06/2011	JordanHarrington	632896	7050574	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
111209	11/06/2011	JordanHarrington	633502	7049700	UTM27N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Moist	Good	ForestMixed
111210	11/06/2011	JordanHarrington	633541	7049723	UTM27N_WGS84	Lithosoil	Green	Silt	Ridge	C	50	Dry	Good	ForestMixed
111211	11/06/2011	JordanHarrington	633584	7049749	UTM27N_WGS84	Lithosoil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
111212	11/06/2011	JordanHarrington	633637	7049771	UTM27N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
111213	11/06/2011	JordanHarrington	633681	7049786	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111214	11/06/2011	JordanHarrington	633725	7049796	UTM27N_WGS84	Colluvium	Green	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
111215	11/06/2011	JordanHarrington	633725	7049796	UTM27N_WGS84	Colluvium	Green	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
111216	11/06/2011	JordanHarrington	633768	7049813	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111217	11/06/2011	JordanHarrington	633814	7049788	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	80	Frozen	Good	ForestMixed
111218	11/06/2011	JordanHarrington	633872	7049772	UTM27N_WGS84	Colluvium	Tan	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
111219	11/06/2011	JordanHarrington	633926	7049743	UTM27N_WGS84	Colluvium	Tan	Silt	ModerateE	C	90	Dry	Excellent	ForestMixed
111220	11/06/2011	JordanHarrington	633964	7049755	UTM27N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
111221	11/06/2011	JordanHarrington	634016	7049716	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
111222	11/06/2011	JordanHarrington	634066	7049704	UTM27N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	40	Dry	Good	ForestMixed
111223	11/06/2011	JordanHarrington	634114	7049704	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
111224	11/06/2011	JordanHarrington	634166	7049706	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111225	11/06/2011	JordanHarrington	634220	7049705	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Moist	Good	ForestMixed
111226	11/06/2011	JordanHarrington	634262	7049688	UTMZ7N_WGS84	Frostboil	RustyOrange	Silt	ModerateE	C	60	Dry	Good	ForestMixed
111227	11/06/2011	JordanHarrington	634306	7049662	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	70	Dry	Good	ForestMixed
111228	11/06/2011	JordanHarrington	634355	7049641	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	70	Dry	Good	ForestMixed
112160	09/06/2011	MarkLam	625448	7060668	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112161	09/06/2011	MarkLam	625379	7060720	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
112162	09/06/2011	MarkLam	625332	7060719	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
112163	09/06/2011	MarkLam	625298	7060760	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
112164	09/06/2011	MarkLam	625260	7060805	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
112165	09/06/2011	MarkLam	625235	7060836	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry	Good	ForestMixed
112166	09/06/2011	MarkLam	625234	7060839	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
112167	09/06/2011	MarkLam	625207	7060885	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	ForestMixed
112168	09/06/2011	MarkLam	625182	7060923	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	B	30	Frozen	Poor	ForestMixed
112169	09/06/2011	MarkLam	625155	7060958	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
112170	09/06/2011	MarkLam	625059	7061067	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	80	Dry	Excellent	ForestMixed
112171	09/06/2011	MarkLam	625005	7061076	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Moist	Good	ForestMixed
112172	09/06/2011	MarkLam	624879	7061204	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Frozen	Poor	ForestMixed
112174	10/06/2011	MarkLam	633510	7052947	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Good	ForestMixed
112175	10/06/2011	MarkLam	633462	7052973	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
112176	10/06/2011	MarkLam	633418	7053021	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
112177	10/06/2011	MarkLam	633378	7053063	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Frozen	Good	ForestMixed
112178	10/06/2011	MarkLam	633355	7053093	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Excellent	ForestMixed
112179	10/06/2011	MarkLam	633322	7053123	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
112180	10/06/2011	MarkLam	633304	7053162	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Dry	Excellent	ForestMixed
112181	10/06/2011	MarkLam	633262	7053213	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
112111	08/06/2011	MarkLam				Soil	Brown	Silt	Flat	C	70	Dry	Excellent	ForestMixed
112112	08/06/2011	MarkLam	627048	7057492	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Good	ForestMixed
112113	08/06/2011	MarkLam	627050	7057533	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
112114	08/06/2011	MarkLam	627029	7057584	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
112115	08/06/2011	MarkLam	627032	7057586	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
112116	08/06/2011	MarkLam	627043	7057641	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	70	Dry	Excellent	ForestMixed
112117	08/06/2011	MarkLam	627043	7057693	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNW	C	80	Dry	Excellent	ForestMixed
112118	08/06/2011	MarkLam	627046	7057744	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Frozen	Poor	ForestMixed
112119	08/06/2011	MarkLam	627052	7057792	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
112120	08/06/2011	MarkLam	627057	7057840	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
112121	08/06/2011	MarkLam	627090	7057891	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateN	C	60	Dry	Good	ForestMixed
112122	08/06/2011	MarkLam	627124	7057929	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
112123	08/06/2011	MarkLam	627141	7057976	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
112124	08/06/2011	MarkLam	627149	7058020	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
112125	08/06/2011	MarkLam	627169	7058064	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
112126	08/06/2011	MarkLam	627173	7058112	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
112127	08/06/2011	MarkLam	627169	7058167	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
112128	08/06/2011	MarkLam	627185	7058218	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Frozen	Poor	ForestMixed
112129	08/06/2011	MarkLam	627188	7058306	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Frozen	Poor	ForestBlackSpruce
112130	08/06/2011	MarkLam	627181	7058367	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateN	B	30	Frozen	Poor	ForestBlackSpruce
112131	08/06/2011	MarkLam	627178	7058409	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Frozen	Good	ForestMixed
112133	08/06/2011	MarkLam	626490	7057451	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	70	Dry	Excellent	ForestMixed
112134	08/06/2011	MarkLam	626400	7057470	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestAspen
112135	08/06/2011	MarkLam	626307	7057492	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	SteepW	C	50	Dry	Excellent	ForestAspen
112136	08/06/2011	MarkLam	626251	7057512	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateW	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
112137	08/06/2011	MarkLam	626166	7057494	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	70	Dry	Excellent	ForestMixed
112138	08/06/2011	MarkLam	626064	7057505	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	B	30	Frozen	Poor	ForestMixed
112139	08/06/2011	MarkLam	625958	7057519	UTMZ7N_WGS84	Colluvium	BrownDark	Clay		B	80	Moist	Good	ForestMixed
112140	08/06/2011	MarkLam	625959	7057516	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateW	B	80	Moist	Good	ForestMixed
112141	08/06/2011	MarkLam	625803	7057543	UTMZ7N_WGS84	Lacustrian	Grey	Clay	Flat	B	70	Moist	Good	ForestMixed
112142	09/06/2011	MarkLam	626300	7060948	UTMZ7N_WGS84	Regolith	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
112143	09/06/2011	MarkLam	626248	7060935	UTMZ7N_WGS84	Regolith	RustyOrange	Sand	Ridge	C	20	Dry	Good	ForestMixed
112144	09/06/2011	MarkLam	626187	7060933	UTMZ7N_WGS84	Regolith	RustyOrange	Silt	Ridge	C	30	Dry	Good	ForestMixed
112145	09/06/2011	MarkLam	626129	7060934	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112146	09/06/2011	MarkLam	626091	7060930	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112147	09/06/2011	MarkLam	626027	7060939	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
112148	09/06/2011	MarkLam	625966	7060928	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	30	Dry	Good	ForestMixed
112149	09/06/2011	MarkLam	625938	7060908	UTMZ7N_WGS84			Sand	Ridge	C	30	Dry	Good	ForestMixed
112150	09/06/2011	MarkLam	625892	7060883	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Ridge	C	30	Dry	Good	ForestMixed
112151	09/06/2011	MarkLam	625856	7060865	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112152	09/06/2011	MarkLam	625798	7060852	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
112153	09/06/2011	MarkLam	625744	7060841	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	30	Dry	Good	ForestMixed
112154	09/06/2011	MarkLam	625686	7060824	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
112155	09/06/2011	MarkLam	625647	7060812	UTMZ7N_WGS84			Silt	Ridge	C		Dry	Good	ForestMixed
112156	09/06/2011	MarkLam	625597	7060796	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	C	20	Dry	Good	ForestMixed
112157	09/06/2011	MarkLam	625564	7060762	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
112158	09/06/2011	MarkLam	625526	7060712	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112159	09/06/2011	MarkLam	625500	7060669	UTMZ7N_WGS84	Regolith	Brown	Silt	Ridge	C	20	Dry	Poor	ForestMixed
112182	10/06/2011	MarkLam	633215	7053240	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	C	70	Dry	Excellent	ForestMixed
112183	10/06/2011	MarkLam	633188	7053270	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	30	Frozen	Poor	ForestMixed
112184	10/06/2011	MarkLam	633137	7053293	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
112185	10/06/2011	MarkLam	633091	7053316	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
112186	10/06/2011	MarkLam	633043	7053338	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNW	C	30	Dry	Poor	ForestMixed
112187	10/06/2011	MarkLam	633009	7053384	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Frozen	Poor	ForestBlackSpruce
112188	10/06/2011	MarkLam	632966	7053401	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
112189	10/06/2011	MarkLam	632914	7053420	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
112190	10/06/2011	MarkLam	632913	7053423	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
112191	10/06/2011	MarkLam	632881	7053436	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
112192	10/06/2011	MarkLam	632841	7053471	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Good	ForestMixed
112193	10/06/2011	MarkLam	632798	7053495	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
112194	10/06/2011	MarkLam	632748	7053488	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
112195	10/06/2011	MarkLam	632673	7053506	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
112196	10/06/2011	MarkLam	632634	7053497	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Dry	Good	ForestMixed
112197	10/06/2011	MarkLam	632603	7053483	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	30	Dry	Good	ForestMixed
112198	10/06/2011	MarkLam	632565	7053464	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	50	Dry	Good	ForestMixed
112199	10/06/2011	MarkLam	632507	7053458	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Dry	Good	ForestMixed
112200	10/06/2011	MarkLam	632466	7053479	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	80	Dry	Good	ForestMixed
112201	10/06/2011	MarkLam	632411	7053487	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	70	Dry	Excellent	ForestMixed
112202	10/06/2011	MarkLam	632372	7053457	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
112203	10/06/2011	MarkLam	632319	7053444	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
112204	10/06/2011	MarkLam	632260	7053437	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
112205	10/06/2011	MarkLam	632210	7053435	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
112206	10/06/2011	MarkLam	632163	7053413	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	70	Dry	Excellent	ForestMixed
112207	10/06/2011	MarkLam	632112	7053411	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	80	Dry	Excellent	ForestMixed
112208	10/06/2011	MarkLam	632063	7053412	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	SteepSW	C	60	Dry	Excellent	ForestMixed
112209	10/06/2011	MarkLam	632010	7053387	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	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
112210	10/06/2011	MarkLam	631962	7053396	UTMZ7N_WGS84									
112211	10/06/2011	MarkLam	631912	7053392	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	80	Dry	Excellent	ForestMixed
112212	10/06/2011	MarkLam	631854	7053395	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	70	Dry	Excellent	ForestMixed
112213	10/06/2011	MarkLam	631809	7053379	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	80	Dry	Excellent	ForestMixed
112214	10/06/2011	MarkLam	631768	7053369	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	80	Dry	Excellent	ForestMixed
112215	10/06/2011	MarkLam	631767	7053369	UTMZ7N_WGS84						80			
112216	11/06/2011	MarkLam	635658	7050550	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	35	Moist	Good	ForestMixed
112217	11/06/2011	MarkLam	635642	7050499	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	25	Dry	Good	ForestMixed
112218	11/06/2011	MarkLam	635647	7050450	UTMZ7N_WGS84	Lithosoil	Green	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112219	11/06/2011	MarkLam	635647	7050399	UTMZ7N_WGS84	Lithosoil	Green	Silt	Ridge	C	35	Dry	Excellent	ForestMixed
112220	11/06/2011	MarkLam	635636	7050348	UTMZ7N_WGS84	Lithosoil	Green	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
112221	11/06/2011	MarkLam	635637	7050303	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Moist	Poor	ForestMixed
112222	11/06/2011	MarkLam	635630	7050255	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
112223	11/06/2011	MarkLam	635637	7050196	UTMZ7N_WGS84	Lithosoil	RustyOrange	Clay	Ridge	C	40	Moist	Excellent	ForestMixed
112224	11/06/2011	MarkLam	635628	7050145	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Moist	Excellent	ForestMixed
112225	11/06/2011	MarkLam	635638	7050090	UTMZ7N_WGS84									
112226	11/06/2011	MarkLam	635645	7050049	UTMZ7N_WGS84	Lithosoil	Orange	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
112227	11/06/2011	MarkLam	635664	7050009	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112228	11/06/2011	MarkLam	635682	7049956	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
112229	11/06/2011	MarkLam	635694	7049911	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	55	Dry	Excellent	ForestMixed
112230	11/06/2011	MarkLam	635719	7049863	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	30	Moist	Excellent	ForestMixed
112231	11/06/2011	MarkLam	635750	7049801	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	20	Moist	Good	ForestMixed
112232	11/06/2011	MarkLam	635766	7049750	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	20	Moist	Good	ForestMixed
112233	11/06/2011	MarkLam	635791	7049699	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	45	Dry	Good	ForestMixed
112234	11/06/2011	MarkLam	635810	7049665	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
112235	11/06/2011	MarkLam	635834	7049617	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
112236	11/06/2011	MarkLam	635864	7049580	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	45	Dry	Excellent	ForestMixed
113071	08/06/2011	LauraRatcliffe	627575	7057198	UTMZ7N_WGS84	Colluvium	Green	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
113072	08/06/2011	LauraRatcliffe	627523	7057229	UTMZ7N_WGS84	Colluvium	Green	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
113073	08/06/2011	LauraRatcliffe	627476	7057238	UTMZ7N_WGS84	Colluvium	Green		Ridge	C	60	Dry	Excellent	ForestMixed
113074	08/06/2011	LauraRatcliffe	627426	7057268	UTMZ7N_WGS84	Colluvium	Green	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
113075	08/06/2011	LauraRatcliffe	627375	7057276	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	40	Dry	Good	ForestMixed
113076	08/06/2011	LauraRatcliffe	627321	7057299	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
113077	08/06/2011	LauraRatcliffe	627273	7057316	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
113078	08/06/2011	LauraRatcliffe	627229	7057318	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	30	Dry	Good	ForestMixed
113079	08/06/2011	LauraRatcliffe	627184	7057346	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Dry	Good	ForestMixed
113080	08/06/2011	LauraRatcliffe	627137	7057378	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	40	Dry	Good	ForestMixed
113081	08/06/2011	LauraRatcliffe	627093	7057412	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	30	Dry	Good	ForestMixed
113082	08/06/2011	LauraRatcliffe	627062	7057465	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateN	C	40	Dry	Good	ForestMixed
113083	08/06/2011	LauraRatcliffe	627040	7057436	UTMZ7N_WGS84	Colluvium	Black	Silt	Ridge	C	45	Moist	Excellent	ForestMixed
113084	08/06/2011	LauraRatcliffe	626995	7057401	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
113085	08/06/2011	LauraRatcliffe	626950	7057433	UTMZ7N_WGS84	Colluvium	Black				70			
113086	08/06/2011	LauraRatcliffe	626855	7057399	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	30	Dry	Good	ForestMixed
113087	08/06/2011	LauraRatcliffe	626801	7057440	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateW	C	60	Moist	Excellent	ForestMixed
113088	08/06/2011	LauraRatcliffe	626769	7057439	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
113089	08/06/2011	LauraRatcliffe	626723	7057432	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
113090	08/06/2011	LauraRatcliffe	626727	7057430	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
113091	08/06/2011	LauraRatcliffe	626662	7057432	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
113092	08/06/2011	LauraRatcliffe	626546	7057436	UTMZ7N_WGS84									
113094	08/06/2011	LauraRatcliffe	626458	7057470	UTMZ7N_WGS84	Colluvium	Orange	Silt		C	60	Dry	Excellent	ForestMixed
113095	08/06/2011	LauraRatcliffe	626336	7057485	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	50	Dry	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
113096	08/06/2011	LauraRatcliffe	626209	7057503	UTMZ7N_WGS84	Colluvium	Orange		ModerateNW	C	50	Dry	Good	ForestMixed
113097	08/06/2011	LauraRatcliffe	626090	7057495	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	65	Dry	Good	ForestBlackSpruce
113098	08/06/2011	LauraRatcliffe	626015	7057512	UTMZ7N_WGS84	Soil	Grey	Clay	ModerateNW	B	50	Wet	Poor	ForestBlackSpruce
113099	08/06/2011	LauraRatcliffe	625867	7057546	UTMZ7N_WGS84	Soil	Grey	Clay	ModerateNW	B	70	Moist	Good	ForestMixed
113100	08/06/2011	LauraRatcliffe	625763	7057559	UTMZ7N_WGS84	Soil	Grey	Clay	Flat	B	40	Moist	Poor	ForestMixed
113102	09/06/2011	LauraRatcliffe	627747	7056198	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	60	Dry	Excellent	ForestMixed
113103	09/06/2011	LauraRatcliffe	627730	7056120	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
113104	09/06/2011	LauraRatcliffe	627704	7056083	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateS	C	40	Moist	Good	ForestMixed
113105	09/06/2011	LauraRatcliffe	627668	7056043	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	40	Moist	Good	ForestMixed
113106	09/06/2011	LauraRatcliffe	627639	7055993	UTMZ7N_WGS84	Lithosoil	Green	Silt	ModerateS	C	40	Moist	Good	ForestMixed
113107	09/06/2011	LauraRatcliffe	627630	7055943	UTMZ7N_WGS84	Lithosoil	Green	Silt	ModerateS	C	30	Moist	Good	ForestMixed
113108	09/06/2011	LauraRatcliffe	627621	7055891	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	40	Moist	Good	ForestMixed
113109	09/06/2011	LauraRatcliffe	627610	7055850	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
113110	09/06/2011	LauraRatcliffe	627598	7055801	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	30	Moist	Good	ForestMixed
113111	09/06/2011	LauraRatcliffe	627600	7055754	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
113112	09/06/2011	LauraRatcliffe	627593	7055702	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
113113	09/06/2011	LauraRatcliffe	627604	7055646	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
113114	09/06/2011	LauraRatcliffe	627559	7055582	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateS	C	60	Moist	Good	ForestMixed
113115	09/06/2011	LauraRatcliffe	627535	7055542	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Moist	Good	ForestMixed
113116	09/06/2011	LauraRatcliffe	627506	7055497	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateS	B	20	Moist	Poor	ForestMixed
113117	09/06/2011	LauraRatcliffe	627509	7055453	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateS	C	65	Moist	Excellent	ForestMixed
113118	09/06/2011	LauraRatcliffe	627495	7055425	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS		40	Moist	Good	ForestMixed
113119	09/06/2011	LauraRatcliffe	627486	7055395	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
113120	09/06/2011	LauraRatcliffe	627488	7055328	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateS	C	65	Dry	Excellent	ForestMixed
113121	09/06/2011	LauraRatcliffe	627508	7055275	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	65	Moist	Excellent	ForestMixed
113122	09/06/2011	LauraRatcliffe	627521	7055224	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateS	C	30	Dry	Good	ForestMixed
113123	09/06/2011	LauraRatcliffe	627560	7055178	UTMZ7N_WGS84	Colluvium	Green		ModerateS	C	70	Dry	Excellent	ForestMixed
113124	09/06/2011	LauraRatcliffe	627601	7055145	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	65	Moist	Excellent	ForestMixed
113125	09/06/2011	LauraRatcliffe	627549	7055083	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateS	C	20	Moist	Good	ForestMixed
113126	09/06/2011	LauraRatcliffe	627575	7055034	UTMZ7N_WGS84	Colluvium	Green	Silt		C	60	Moist	Excellent	ForestMixed
113127	09/06/2011	LauraRatcliffe	627595	7054985	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateS	C	65	Dry	Excellent	ForestMixed
113128	09/06/2011	LauraRatcliffe	627595	7054945	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
113129	09/06/2011	LauraRatcliffe	627569	7054903	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	40	Moist	Good	ForestMixed
113130	09/06/2011	LauraRatcliffe	627617	7054837	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	40	Moist	Good	ForestMixed
113131	09/06/2011	LauraRatcliffe	627645	7054784	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	50	Moist	Good	ForestMixed
113132	09/06/2011	LauraRatcliffe	627651	7054736	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	60	Moist	Excellent	ForestMixed
113133	09/06/2011	LauraRatcliffe	627675	7054698	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Dry	Good	ForestMixed
113134	09/06/2011	LauraRatcliffe	627689	7054659	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	40	Dry	Good	ForestMixed
113136	09/06/2011	LauraRatcliffe	627728	7054603	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	ForestMixed
113137	10/06/2011	LauraRatcliffe	633713	7052968	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	55	Dry	Excellent	ForestMixed
113138	10/06/2011	LauraRatcliffe	633661	7052974	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Flat	C	30	Moist	Good	ForestMixed
113139	10/06/2011	LauraRatcliffe	633622	7052948	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNE	C	20	Moist	Good	ForestMixed
113140	10/06/2011	LauraRatcliffe	633617	7052946	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNE	C	20	Moist	Good	ForestMixed
113141	10/06/2011	LauraRatcliffe	633578	7052934	UTMZ7N_WGS84	Lithosoil	Orange	Silt	Flat	C	40	Dry	Good	ForestMixed
113142	10/06/2011	LauraRatcliffe	633542	7052904	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	20	Dry	Good	ForestMixed
113143	10/06/2011	LauraRatcliffe	633490	7052887	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	25	Moist	Good	ForestMixed
113144	10/06/2011	LauraRatcliffe	633432	7052845	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
113145	10/06/2011	LauraRatcliffe	633406	7052805	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	30	Dry	Good	ForestMixed
113146	10/06/2011	LauraRatcliffe	633371	7052772	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineAlder
113147	10/06/2011	LauraRatcliffe	633347	7052742	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	55	Dry	Excellent	SubAlpineAlder
113148	10/06/2011	LauraRatcliffe	633234	7052693	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
113149	10/06/2011	LauraRatcliffe	633205	7052665	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateS	C	30	Dry	Good	ForestMixed
113150	10/06/2011	LauraRatcliffe	633169	7052630	UTMZ7N_WGS84		Orange	Silt	ModerateS	C	65	Dry	Excellent	ForestMixed
113151	10/06/2011	LauraRatcliffe	633131	7052600	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateS	C	40	Moist	Good	ForestMixed
113152	10/06/2011	LauraRatcliffe	633088	7052573	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateS	C	30	Dry	Good	ForestMixed
113153	10/06/2011	LauraRatcliffe	633047	7052560	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateS	C	30	Dry	Good	ForestMixed
113154	10/06/2011	LauraRatcliffe	633010	7052505	UTMZ7N_WGS84	Lithosoil	Black	Sand	ModerateS	C	15	Dry	Poor	ForestMixed
113155	10/06/2011	LauraRatcliffe	632978	7052482	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	10	Moist	Poor	ForestMixed
113156	10/06/2011	LauraRatcliffe	632892	7052427	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateS	B	20	Dry	Poor	ForestMixed
113157	10/06/2011	LauraRatcliffe	632839	7052371	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateS	C	40	Dry	Good	ForestMixed
113158	10/06/2011	LauraRatcliffe	632819	7052329	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	60	Dry	Good	ForestMixed
113159	10/06/2011	LauraRatcliffe	632817	7052290	UTMZ7N_WGS84	Lithosoil	Green	Silt	ModerateS	C	40	Moist	Good	ForestMixed
113160	10/06/2011	LauraRatcliffe	632760	7052272	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Moist	Good	ForestMixed
113161	10/06/2011	LauraRatcliffe	632709	7052240	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateS	C	45	Moist	Good	ForestMixed
113162	10/06/2011	LauraRatcliffe	632670	7052207	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateS	C	40	Dry	Good	ForestMixed
113163	10/06/2011	LauraRatcliffe	632612	7052166	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateS	C	50	Moist	Good	ForestMixed
113164	10/06/2011	LauraRatcliffe	632601	7052133	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateS	C	20	Dry	Good	ForestMixed
113166	11/06/2011	LauraRatcliffe	634617	7050622	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateS	C	55	Dry	Good	ForestMixed
113167	11/06/2011	LauraRatcliffe	634634	7050563	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
113168	11/06/2011	LauraRatcliffe	634662	7050518	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
113169	11/06/2011	LauraRatcliffe	634639	7050481	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	70	Dry	Excellent	ForestMixed
113170	11/06/2011	LauraRatcliffe	634659	7050413	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	30	Dry	Good	ForestMixed
113171	11/06/2011	LauraRatcliffe	634661	7050367	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
113172	11/06/2011	LauraRatcliffe	634677	7050314	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Good	ForestMixed
113173	11/06/2011	LauraRatcliffe	634725	7050266	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Good	ForestMixed
113174	11/06/2011	LauraRatcliffe	634694	7050232	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Good	ForestMixed
113175	11/06/2011	LauraRatcliffe	634657	7050184	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	50	Dry	Good	ForestMixed
113176	11/06/2011	LauraRatcliffe	634708	7050146	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateS	C	50	Moist	Good	ForestMixed
114052	09/06/2011	LeslyBalderas	629829	7057326	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	20	Frozen	Good	ForestMixed
114053	09/06/2011	LeslyBalderas	629783	7057361	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNW	C	60	Moist	Excellent	ForestMixed
114054	09/06/2011	LeslyBalderas	629749	7057390	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	B	30	Frozen	Excellent	ForestMixed
114055	09/06/2011	LeslyBalderas	629626	7057521	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	B	30	Frozen	Good	BurnOld
114056	09/06/2011	LeslyBalderas	629581	7057568	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	B	30	Frozen	Excellent	BurnOld
114057	09/06/2011	LeslyBalderas	629537	7057594	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateN	B	30	Frozen	Good	BurnOld
114058	09/06/2011	LeslyBalderas	629492	7057639	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	30	Frozen	Good	BurnOld
114059	09/06/2011	LeslyBalderas	629466	7057665	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	50	Frozen	Good	BurnOld
114060	09/06/2011	LeslyBalderas	629421	7057700	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	B	30	Moist	Good	BurnOld
114061	09/06/2011	LeslyBalderas	629380	7057738	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	B	30	Moist	Good	BurnOld
114062	09/06/2011	LeslyBalderas	629356	7057773	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	B	40	Moist	Good	BurnOld
114063	09/06/2011	LeslyBalderas	629318	7057808	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	30	Frozen	Good	BurnOld
114065	10/06/2011	LeslyBalderas	633485	7052928	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
114066	10/06/2011	LeslyBalderas	633431	7052927	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	60	Dry	Excellent	ForestMixed
114067	10/06/2011	LeslyBalderas	633389	7052919	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Excellent	ForestMixed
114068	10/06/2011	LeslyBalderas	633325	7052918	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Excellent	ForestMixed
114069	10/06/2011	LeslyBalderas	633271	7052901	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Excellent	ForestMixed
114070	10/06/2011	LeslyBalderas	633230	7052911	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Excellent	ForestMixed
114071	10/06/2011	LeslyBalderas	633181	7052899	UTMZ7N_WGS84	Lithosoil	Brown	Sand	ModerateNW	C	30	Dry	Excellent	ForestMixed
114072	10/06/2011	LeslyBalderas	633135	7052904	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Excellent	ForestMixed
114073	10/06/2011	LeslyBalderas	633082	7052895	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	20	Frozen	Poor	ForestMixed
114074	10/06/2011	LeslyBalderas	633035	7052890	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	30	Frozen	Good	ForestMixed
114075	10/06/2011	LeslyBalderas	632982	7052893	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	30	Frozen	Good	ForestMixed
114076	10/06/2011	LeslyBalderas	632938	7052887	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	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
114077	10/06/2011	LeslyBalderas	632878	7052876	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateNW	B	50	Moist	Excellent	ForestMixed
114078	10/06/2011	LeslyBalderas	632823	7052857	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Frozen	Good	ForestMixed
114079	10/06/2011	LeslyBalderas	632774	7052864	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepNW	C	70	Moist	Excellent	ForestMixed
114080	10/06/2011	LeslyBalderas	632716	7052863	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateNW	C	40	Moist	Excellent	ForestMixed
114081	10/06/2011	LeslyBalderas	632666	7052859	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Frozen	Excellent	ForestMixed
114082	10/06/2011	LeslyBalderas	632628	7052850	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	60	Dry	Excellent	ForestMixed
114083	10/06/2011	LeslyBalderas	632581	7052848	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	60	Dry	Excellent	ForestMixed
114084	10/06/2011	LeslyBalderas	632526	7052845	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	70	Dry	Excellent	ForestMixed
114085	10/06/2011	LeslyBalderas	632480	7052839	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateNW	C	80	Dry	Excellent	ForestMixed
114086	10/06/2011	LeslyBalderas	632422	7052836	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNW	C	40	Dry	Excellent	ForestMixed
114087	10/06/2011	LeslyBalderas	632375	7052838	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Excellent	ForestMixed
114088	10/06/2011	LeslyBalderas	632339	7052843	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Excellent	ForestMixed
114089	10/06/2011	LeslyBalderas	632288	7052821	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateNW	C	80	Dry	Excellent	ForestMixed
114090	10/06/2011	LeslyBalderas	632287	7052821	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateNW	C	80	Dry	Excellent	ForestMixed
114091	10/06/2011	LeslyBalderas	632232	7052821	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateNW	C	40	Dry	Excellent	ForestMixed
114092	10/06/2011	LeslyBalderas	632173	7052818	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateNW	C	40	Dry	Excellent	ForestMixed
116046	08/06/2011	JoshJudson	626361	7060899	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
116047	08/06/2011	JoshJudson	626371	7060860	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116048	08/06/2011	JoshJudson	626379	7060817	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116049	08/06/2011	JoshJudson	626382	7060763	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	30	Dry	Excellent	ForestMixed
116050	08/06/2011	JoshJudson	626402	7060711	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116051	08/06/2011	JoshJudson	626440	7060662	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
116052	08/06/2011	JoshJudson	626432	7060617	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
115050	08/06/2011	NedaDokic	625207	7060378	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	BurnOld
115051	08/06/2011	NedaDokic	625234	7060338	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	BurnOld
115052	08/06/2011	NedaDokic	625245	7060288	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
115053	08/06/2011	NedaDokic	625253	7060239	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateS	C	70	Dry	Excellent	BurnOld
115054	08/06/2011	NedaDokic	625278	7060189	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	BurnOld
115055	08/06/2011	NedaDokic	625289	7060143	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
115056	08/06/2011	NedaDokic	625305	7060098	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
115057	08/06/2011	NedaDokic	625314	7060043	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	40	Dry	Excellent	ForestMixed
115058	08/06/2011	NedaDokic	625343	7060013	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
115059	08/06/2011	NedaDokic	625362	7059959	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
115060	08/06/2011	NedaDokic	625380	7059914	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115061	08/06/2011	NedaDokic	625397	7059866	UTMZ7N_WGS84	colluvium	brown	sand	ModerateS	C	40	Dry	Excellent	ForestMixed
115062	08/06/2011	NedaDokic	625408	7059826	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
115063	08/06/2011	NedaDokic	625434	7059766	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	70	Dry	Excellent	ForestMixed
115064	08/06/2011	NedaDokic	625433	7059719	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	50	Dry	Excellent	BurnOld
115065	08/06/2011	NedaDokic	625436	7059667	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	70	Dry	Excellent	BurnOld
115066	08/06/2011	NedaDokic	625447	7059625	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	50	Dry	Excellent	BurnOld
115067	08/06/2011	NedaDokic	625461	7059574	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
115068	08/06/2011	NedaDokic	625472	7059512	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	60	Dry	Excellent	BurnOld
115069	08/06/2011	NedaDokic	625492	7059468	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateS	C	60	Dry	Excellent	BurnOld
115070	08/06/2011	NedaDokic	625550	7059241	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
115071	08/06/2011	NedaDokic	625551	7059183	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
115072	08/06/2011	NedaDokic	625560	7059133	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
115073	08/06/2011	NedaDokic	625574	7059087	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
115074	08/06/2011	NedaDokic	625585	7059028	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
115075	08/06/2011	NedaDokic	625596	7058970	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
115076	08/06/2011	NedaDokic	625605	7058940	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
115077	08/06/2011	NedaDokic	625611	7058889	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	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
115078	08/06/2011	NedaDokic	625613	7058841	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateSE	C	60	Dry	Excellent	BurnOld
115079	08/06/2011	NedaDokic	625618	7058788	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateSE	C	70	Dry	Excellent	BurnOld
115080	08/06/2011	NedaDokic	625618	7058741	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	60	Dry	Excellent	ForestMixed
115081	08/06/2011	NedaDokic	625627	7058686	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
115082	08/06/2011	NedaDokic	625615	7058637	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	70	Dry	Excellent	ForestMixed
115083	09/06/2011	NedaDokic	630162	7057293	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	40	Dry	Excellent	ForestMixed
115084	09/06/2011	NedaDokic	630220	7057266	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
115085	09/06/2011	NedaDokic	630267	7057237	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSW	C	60	Dry	Excellent	ForestMixed
115086	09/06/2011	NedaDokic	630370	7057088	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
115087	09/06/2011	NedaDokic	630430	7057047	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115088	09/06/2011	NedaDokic	630491	7056999	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	60	Dry	Excellent	ForestMixed
115089	09/06/2011	NedaDokic	630541	7056963	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	60	Dry	Excellent	ForestMixed
115090	09/06/2011	NedaDokic	630593	7056912	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115091	09/06/2011	NedaDokic	630641	7056852	UTMZ7N_WGS84	Colluvium	Blue	Sand	Flat	C	60	Dry	Excellent	ForestMixed
115092	09/06/2011	NedaDokic	630699	7056798	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
115093	09/06/2011	NedaDokic	630746	7056750	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
115094	09/06/2011	NedaDokic	630780	7056704	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
115095	09/06/2011	NedaDokic	630808	7056647	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Dry	Good	ForestMixed
115096	09/06/2011	NedaDokic	630858	7056599	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
115097	09/06/2011	NedaDokic	630895	7056557	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
115098	09/06/2011	NedaDokic	630951	7056534	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Dry	Good	ForestMixed
115099	09/06/2011	NedaDokic	631041	7056428	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateS	C	40	Dry	Good	ForestMixed
115100	09/06/2011	NedaDokic	631098	7056395	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
115101	09/06/2011	NedaDokic	631167	7056393	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	40	Dry	Good	ForestMixed
115102	09/06/2011	NedaDokic	631240	7056380	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115103	09/06/2011	NedaDokic	631314	7056326	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
115104	09/06/2011	NedaDokic	631421	7056330	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115105	09/06/2011	NedaDokic	631476	7056299	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
115106	09/06/2011	NedaDokic	631478	7056247	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
115107	09/06/2011	NedaDokic	631515	7056185	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
115108	09/06/2011	NedaDokic	631548	7056119	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
115109	09/06/2011	NedaDokic	631596	7056070	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	70	Dry	Excellent	ForestMixed
115110	10/06/2011	NedaDokic	631163	7050396	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
115111	10/06/2011	NedaDokic	631174	7050451	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	60	Dry	Excellent	ForestMixed
115112	10/06/2011	NedaDokic	631168	7050541	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateNE	C	40	Dry	Good	ForestMixed
115113	10/06/2011	NedaDokic	631164	7050608	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateNE	C	40	Frozen	Poor	ForestMixed
115114	10/06/2011	NedaDokic	631194	7050686	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	40	Dry	Good	ForestMixed
115115	10/06/2011	NedaDokic	631193	7050686	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	40	Dry	Good	ForestMixed
115116	10/06/2011	NedaDokic	631236	7050763	UTMZ7N_WGS84	Colluvium	Blue	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
115117	10/06/2011	NedaDokic	631257	7050818	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateNE	C	70	Dry	Excellent	ForestMixed
115118	10/06/2011	NedaDokic	631294	7050860	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateNE	B	40	Frozen	Poor	ForestMixed
115119	10/06/2011	NedaDokic	631315	7050911	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	40	Dry	Good	ForestMixed
115120	10/06/2011	NedaDokic	631345	7050941	UTMZ7N_WGS84	Colluvium	Grey	Sand	Flat	C	70	Dry	Excellent	ForestMixed
115121	10/06/2011	NedaDokic	631357	7050996	UTMZ7N_WGS84	Colluvium	Grey	Sand	Flat	C	60	Dry	Excellent	ForestMixed
115122	10/06/2011	NedaDokic	631407	7051026	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Good	ForestMixed
115123	10/06/2011	NedaDokic	631418	7051088	UTMZ7N_WGS84	Colluvium	Green	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115124	10/06/2011	NedaDokic	631454	7051118	UTMZ7N_WGS84	Colluvium	Green	Sand	Flat	C	60	Dry	Excellent	ForestMixed
115125	10/06/2011	NedaDokic	631479	7051156	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Good	ForestMixed
115126	10/06/2011	NedaDokic	631500	7051207	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115127	10/06/2011	NedaDokic	631524	7051243	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	70	Dry	Excellent	ForestMixed
115128	10/06/2011	NedaDokic	631556	7051287	UTMZ7N_WGS84	Colluvium	Green	Sand	Flat	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
115129	10/06/2011	NedaDokic	631609	7051287	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115130	10/06/2011	NedaDokic	631651	7051291	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
115131	10/06/2011	NedaDokic	631702	7051300	UTMZ7N_WGS84	Colluvium	Blue	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
115132	10/06/2011	NedaDokic	631762	7051304	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	60	Dry	Excellent	ForestMixed
115133	10/06/2011	NedaDokic	631805	7051307	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Dry	Excellent	ForestMixed
115134	10/06/2011	NedaDokic	631862	7051316	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateNE	C	70	Dry	Excellent	ForestMixed
115135	10/06/2011	NedaDokic	631913	7051317	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	50	Dry	Excellent	ForestMixed
115136	10/06/2011	NedaDokic	631960	7051325	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	70	Dry	Excellent	ForestMixed
115137	10/06/2011	NedaDokic	632003	7051319	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
115138	10/06/2011	NedaDokic	632057	7051319	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
115139	10/06/2011	NedaDokic	632111	7051308	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
115140	10/06/2011	NedaDokic	632156	7051285	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	40	Dry	Excellent	ForestMixed
115141	10/06/2011	NedaDokic	632199	7051270	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
115142	10/06/2011	NedaDokic	632242	7051252	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateNE	C	60	Frozen	Excellent	ForestMixed
115143	11/06/2011	NedaDokic	634771	7051406	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	B	40	Dry	Good	ForestMixed
115144	11/06/2011	NedaDokic	634724	7051380	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Flat	B	40	Dry	Poor	ForestMixed
115145	11/06/2011	NedaDokic	634681	7051355	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Good	ForestMixed
115146	11/06/2011	NedaDokic	634649	7051282	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115147	11/06/2011	NedaDokic	634649	7051234	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115148	11/06/2011	NedaDokic	634643	7051187	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115149	11/06/2011	NedaDokic	634662	7051134	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
115150	11/06/2011	NedaDokic	634648	7051087	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115151	11/06/2011	NedaDokic	634653	7051041	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
115152	11/06/2011	NedaDokic	634653	7050980	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115153	11/06/2011	NedaDokic	634645	7050920	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115154	11/06/2011	NedaDokic	634644	7050885	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115155	11/06/2011	NedaDokic	634649	7050835	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115156	11/06/2011	NedaDokic	634648	7050793	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115157	11/06/2011	NedaDokic	634638	7050745	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
115158	11/06/2011	NedaDokic	634635	7050683	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
116053	08/06/2011	JoshJudson	626438	7060567	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
116054	08/06/2011	JoshJudson	626455	7060515	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	80	Dry	Excellent	ForestMixed
116055	08/06/2011	JoshJudson	626467	7060454	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
116056	08/06/2011	JoshJudson	626484	7060401	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	30	Dry	Excellent	ForestMixed
116057	08/06/2011	JoshJudson	626497	7060357	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	30	Dry	Excellent	ForestMixed
116058	08/06/2011	JoshJudson	626527	7060329	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116059	08/06/2011	JoshJudson	626544	7060283	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116060	08/06/2011	JoshJudson	626559	7060249	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116061	08/06/2011	JoshJudson	626588	7060189	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116062	08/06/2011	JoshJudson	626584	7060138	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116063	08/06/2011	JoshJudson	626574	7060091	UTMZ7N_WGS84	Colluvium	White	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
116064	08/06/2011	JoshJudson	626571	7060041	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
116065	08/06/2011	JoshJudson	626571	7060041	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
116066	08/06/2011	JoshJudson	626560	7059984	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	20	Dry	Good	ForestMixed
116067	08/06/2011	JoshJudson	626548	7059944	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116068	08/06/2011	JoshJudson	626542	7059890	UTMZ7N_WGS84	Colluvium	White	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
116069	08/06/2011	JoshJudson	626535	7059846	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116070	08/06/2011	JoshJudson	626535	7059794	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116071	08/06/2011	JoshJudson	626522	7059749	UTMZ7N_WGS84	Colluvium	White	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
116072	08/06/2011	JoshJudson	626510	7059692	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Good	ForestMixed
116073	08/06/2011	JoshJudson	626515	7059639	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	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
116074	08/06/2011	JoshJudson	626506	7059602	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
116075	08/06/2011	JoshJudson	626501	7059541	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
116076	08/06/2011	JoshJudson	626490	7059490	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineAlder
116077	08/06/2011	JoshJudson	626473	7059445	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
116078	08/06/2011	JoshJudson	626465	7059393	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
116079	08/06/2011	JoshJudson	626464	7059352	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	20	Dry	Good	ForestMixed
116080	08/06/2011	JoshJudson	626461	7059298	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
116081	08/06/2011	JoshJudson	626448	7059245	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
116082	08/06/2011	JoshJudson	626457	7059195	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	80	Dry	Excellent	ForestMixed
116083	08/06/2011	JoshJudson	626443	7059153	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSE	C	60	Moist	Good	ForestMixed
116084	08/06/2011	JoshJudson	626430	7059101	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Moist	Excellent	ForestMixed
116085	08/06/2011	JoshJudson	626424	7059037	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	60	Dry	Good	ForestMixed
116086	08/06/2011	JoshJudson	626426	7059000	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
116087	08/06/2011	JoshJudson	626418	7058950	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
116088	09/06/2011	JoshJudson	627569	7057210	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116089	09/06/2011	JoshJudson	627613	7057189	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Good	ForestMixed
116090	09/06/2011	JoshJudson	627613	7057189	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Good	ForestMixed
116091	09/06/2011	JoshJudson	627655	7057163	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116092	09/06/2011	JoshJudson	627702	7057158	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116093	09/06/2011	JoshJudson	627754	7057142	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
116094	09/06/2011	JoshJudson	627800	7057116	UTMZ7N_WGS84	Colluvium	White	Silt	ModerateS	C	40	Dry	Excellent	ForestMixed
116095	09/06/2011	JoshJudson	627843	7057097	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Dry	Good	ForestMixed
116096	09/06/2011	JoshJudson	627896	7057068	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	40	Dry	Good	ForestMixed
116097	09/06/2011	JoshJudson	627943	7057059	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Dry	Good	ForestMixed
116098	09/06/2011	JoshJudson	627999	7057068	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	30	Dry	Excellent	ForestMixed
116099	09/06/2011	JoshJudson	628039	7057069	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116100	09/06/2011	JoshJudson	628087	7057063	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
116101	09/06/2011	JoshJudson	628143	7057058	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	50	Dry	Excellent	ForestMixed
116102	09/06/2011	JoshJudson	628186	7057058	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
116103	09/06/2011	JoshJudson	628246	7057060	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	30	Dry	Good	SubAlpineAlder
116104	09/06/2011	JoshJudson	628294	7057060	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	40	Moist	Excellent	ForestMixed
116105	09/06/2011	JoshJudson	628335	7057071	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	40	Dry	Good	ForestMixed
116106	09/06/2011	JoshJudson	628396	7057095	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
116107	09/06/2011	JoshJudson	628434	7057119	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
116108	09/06/2011	JoshJudson	628529	7057157	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	C	30	Frozen	Excellent	ForestMixed
116109	09/06/2011	JoshJudson	628564	7057178	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
116110	09/06/2011	JoshJudson	628604	7057203	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Wet	Good	ForestMixed
116111	09/06/2011	JoshJudson	628664	7057219	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
116112	09/06/2011	JoshJudson	628842	7057278	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	30	Dry	Good	ForestMixed
116113	09/06/2011	JoshJudson	628897	7057284	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Good	ForestMixed
116114	09/06/2011	JoshJudson	628952	7057291	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116115	09/06/2011	JoshJudson	628949	7057292	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116116	09/06/2011	JoshJudson	628991	7057279	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116117	09/06/2011	JoshJudson	629030	7057267	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116118	09/06/2011	JoshJudson	629087	7057256	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116119	09/06/2011	JoshJudson	629165	7057247	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116120	09/06/2011	JoshJudson	629205	7057249	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116121	09/06/2011	JoshJudson	629240	7057254	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Good	ForestMixed
116122	09/06/2011	JoshJudson	629292	7057246	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116123	09/06/2011	JoshJudson	629343	7057238	UTMZ7N_WGS84	Colluvium	Yellow	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116124	09/06/2011	JoshJudson	629391	7057237	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Moist	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
116125	09/06/2011	JoshJudson	629442	7057240	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
116126	09/06/2011	JoshJudson	629485	7057233	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	50	Moist	Excellent	ForestMixed
116127	09/06/2011	JoshJudson	629533	7057230	UTMZ7N_WGS84	Colluvium	Green	Sand	Flat	C	50	Dry	Good	ForestMixed
116128	09/06/2011	JoshJudson	629585	7057224	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116129	09/06/2011	JoshJudson	629630	7057228	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Frozen	Excellent	ForestMixed
116130	09/06/2011	JoshJudson	629736	7057219	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	50	Dry	Excellent	ForestMixed
116131	09/06/2011	JoshJudson	629789	7057227	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
116132	09/06/2011	JoshJudson	629827	7057234	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	50	Dry	Good	ForestMixed
116133	09/06/2011	JoshJudson	629872	7057260	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	30	Dry	Excellent	ForestMixed
116134	09/06/2011	JoshJudson	629936	7057256	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
116135	09/06/2011	JoshJudson	629977	7057289	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	30	Dry	Excellent	ForestMixed
116136	09/06/2011	JoshJudson	630020	7057298	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	30	Dry	Excellent	ForestMixed
116137	09/06/2011	JoshJudson	630062	7057317	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116138	09/06/2011	JoshJudson	630114	7057332	UTMZ7N_WGS84	Colluvium	Green	Sand	Flat	C	40	Dry	Good	ForestMixed
116139	10/06/2011	JoshJudson	634596	7051297	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Good	ForestMixed
116140	10/06/2011	JoshJudson	634595	7051295	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Good	ForestMixed
116141	10/06/2011	JoshJudson	634558	7051272	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Moist	Good	ForestMixed
116142	10/06/2011	JoshJudson	634503	7051235	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Moist	Excellent	ForestMixed
116143	10/06/2011	JoshJudson	634472	7051206	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateSW	C	50	Moist	Excellent	ForestMixed
116144	10/06/2011	JoshJudson	634427	7051187	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Moist	Good	ForestMixed
116145	10/06/2011	JoshJudson	634373	7051161	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Moist	Good	ForestMixed
116146	10/06/2011	JoshJudson	634340	7051136	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Good	ForestMixed
116147	10/06/2011	JoshJudson	634293	7051107	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	40	Moist	Excellent	ForestMixed
116148	10/06/2011	JoshJudson	634265	7051079	UTMZ7N_WGS84	Colluvium	Green	Sand	Flat	C	30	Dry	Good	ForestMixed
116149	10/06/2011	JoshJudson	634203	7051053	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Good	ForestMixed
116150	10/06/2011	JoshJudson	634168	7051037	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
116151	10/06/2011	JoshJudson	634123	7051018	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Moist	Good	ForestMixed
116152	10/06/2011	JoshJudson	634067	7051014	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	40	Moist	Good	ForestMixed
116153	10/06/2011	JoshJudson	634016	7050996	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateSW	C	30	Dry	Excellent	ForestMixed
116154	10/06/2011	JoshJudson	633965	7050982	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116155	10/06/2011	JoshJudson	633931	7050944	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	30	Dry	Good	ForestMixed
116156	10/06/2011	JoshJudson	633888	7050933	UTMZ7N_WGS84	Colluvium	Yellow	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116157	10/06/2011	JoshJudson	633848	7050880	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Excellent	ForestMixed
116158	10/06/2011	JoshJudson	633819	7050851	UTMZ7N_WGS84	Colluvium	Green	Silt	Flat	C	30	Dry	Good	ForestMixed
116159	10/06/2011	JoshJudson	633782	7050817	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	20	Moist	Good	ForestMixed
116160	10/06/2011	JoshJudson	633750	7050792	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateE	C	20	Dry	Good	ForestMixed
116161	10/06/2011	JoshJudson	633712	7050758	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	20	Moist	Excellent	ForestMixed
116162	10/06/2011	JoshJudson	633674	7050711	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116163	10/06/2011	JoshJudson	633621	7050702	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
116164	10/06/2011	JoshJudson	633579	7050688	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Excellent	ForestMixed
116165	10/06/2011	JoshJudson	633579	7050688	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Excellent	ForestMixed
116166	10/06/2011	JoshJudson	633523	7050678	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateSW	C	40	Dry	Excellent	ForestMixed
116167	10/06/2011	JoshJudson	633479	7050675	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116168	10/06/2011	JoshJudson	633433	7050661	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Moist	Excellent	ForestMixed
116169	10/06/2011	JoshJudson	633386	7050656	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116170	10/06/2011	JoshJudson	633327	7050644	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116171	10/06/2011	JoshJudson	633285	7050621	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116172	10/06/2011	JoshJudson	633250	7050616	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116173	10/06/2011	JoshJudson	633202	7050585	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
116174	10/06/2011	JoshJudson	633133	7050559	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
116175	10/06/2011	JoshJudson	633078	7050566	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	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
116176	10/06/2011	JoshJudson	633042	7050568	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116177	10/06/2011	JoshJudson	632989	7050566	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
116178	10/06/2011	JoshJudson	632942	7050572	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
117087	10/06/2011	HugoGirard	633340	7051222	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry		ForestMixed
117088	10/06/2011	HugoGirard	633310	7051256	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry		
117089	10/06/2011	HugoGirard	633275	7051289	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry		
117090	10/06/2011	HugoGirard	633275	7051288	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry		
117091	10/06/2011	HugoGirard	633245	7051322	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Dry		
117092	10/06/2011	HugoGirard	633210	7051364	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	40	Dry		
117093	10/06/2011	HugoGirard	633174	7051410	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateNW	C	60	Dry		
117094	10/06/2011	HugoGirard	633115	7051427	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateNW	C	40	Dry		
117095	10/06/2011	HugoGirard	633075	7051444	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	80	Dry		
117096	10/06/2011	HugoGirard	633028	7051449	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	90	Dry		
117097	10/06/2011	HugoGirard	632992	7051465	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	90	Dry		
117098	10/06/2011	HugoGirard	632942	7051483	UTM27N_WGS84	Colluvium	Green	Silt	ModerateNW	C	80	Dry		
117099	10/06/2011	HugoGirard	632886	7051505	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Dry		
117100	10/06/2011	HugoGirard	632838	7051523	UTM27N_WGS84	Colluvium	Green	Silt	ModerateSW	C	90	Dry		
117101	10/06/2011	HugoGirard	632800	7051541	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	80	Dry		
117102	10/06/2011	HugoGirard	632742	7051553	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	90	Dry		
117103	10/06/2011	HugoGirard	632705	7051574	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry		
117104	11/06/2011	HugoGirard	634631	7051388	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	50	Dry		
117105	11/06/2011	HugoGirard	634601	7051440	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	40	Dry		
117106	11/06/2011	HugoGirard	634588	7051472	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	40	Moist		
117107	11/06/2011	HugoGirard	634571	7051523	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	50	Moist		
117108	11/06/2011	HugoGirard	634554	7051574	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	90	Dry		
117037	09/06/2011	HugoGirard	628572	7057137	UTM27N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Dry		
117038	09/06/2011	HugoGirard	628605	7057086	UTM27N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry		
117039	09/06/2011	HugoGirard	628620	7057038	UTM27N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Dry		
117040	09/06/2011	HugoGirard	628624	7057038	UTM27N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Dry		
117041	09/06/2011	HugoGirard	628655	7056994	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Dry		
117042	09/06/2011	HugoGirard	628663	7056943	UTM27N_WGS84	Colluvium	Green	Silt	ModerateSE	C	70	Dry		
117043	09/06/2011	HugoGirard	628690	7056907	UTM27N_WGS84	Colluvium	Green	Silt	ModerateSE	C	60	Dry		
117044	09/06/2011	HugoGirard	628711	7056859	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	50	Moist		
117045	09/06/2011	HugoGirard	628718	7056816	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	80	Dry		
117046	09/06/2011	HugoGirard	628739	7056771	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry		
117047	09/06/2011	HugoGirard	628762	7056722	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	70	Dry		
117048	09/06/2011	HugoGirard	628778	7056682	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateSE	C	40	Moist		
117049	09/06/2011	HugoGirard	628849	7056518	UTM27N_WGS84	Colluvium	Grey	Silt	ModerateSE	C	40	Wet		
117050	09/06/2011	HugoGirard	628859	7056496	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	70	Dry		
117051	09/06/2011	HugoGirard	628883	7056445	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	70	Moist		
117052	09/06/2011	HugoGirard	628894	7056391	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateSE	C	80	Moist		
117053	09/06/2011	HugoGirard	628924	7056357	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	80	Dry		
117054	09/06/2011	HugoGirard	628954	7056317	UTM27N_WGS84	Colluvium	Green	Silt	ModerateSE	C	60	Dry		
117055	09/06/2011	HugoGirard	628970	7056267	UTM27N_WGS84	Colluvium	Yellow	Sand	ModerateSE	C	60	Dry		
117056	09/06/2011	HugoGirard	628995	7056214	UTM27N_WGS84	Colluvium	Green	Silt	ModerateSE	C	60	Dry		
117057	09/06/2011	HugoGirard	629030	7056181	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateSE	C	70	Moist		
117058	09/06/2011	HugoGirard	629057	7056145	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	80	Moist		
117059	09/06/2011	HugoGirard	629076	7056092	UTM27N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	50	Dry		
117060	09/06/2011	HugoGirard	629091	7056042	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateSE	C	60	Dry		
117061	09/06/2011	HugoGirard	629045	7055925	UTM27N_WGS84	Colluvium	Grey	Silt	ModerateSE	C	30	Frozen		
117062	09/06/2011	HugoGirard	629028	7055883	UTM27N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Frozen		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117063	09/06/2011	HugoGirard	629053	7055840	UTM27N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Dry		
117064	09/06/2011	HugoGirard	629090	7055787	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Moist		
117065	09/06/2011	HugoGirard	629154	7055760	UTM27N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Moist		
117066	09/06/2011	HugoGirard	629190	7055721	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	70	Moist		
117067	09/06/2011	HugoGirard	629212	7055686	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	60	Dry		
117068	09/06/2011	HugoGirard	629229	7055612	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry		
117069	09/06/2011	HugoGirard	629232	7055574	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry		
117070	09/06/2011	HugoGirard	629265	7055533	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry		
117071	09/06/2011	HugoGirard	629301	7055477	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateE	C	80	Moist		
117072	09/06/2011	HugoGirard	629303	7055434	UTM27N_WGS84	Colluvium	Grey	Silt	ModerateE	C	70	Moist		
117073	09/06/2011	HugoGirard	629332	7055381	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	60	Dry		
117074	09/06/2011	HugoGirard	629343	7055348	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry		
117075	09/06/2011	HugoGirard	629360	7055292	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	70	Dry		
117076	10/06/2011	HugoGirard	633654	7050766	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateNW	C	40	Dry		
117077	10/06/2011	HugoGirard	633619	7050809	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateN	C	60	Dry		
117078	10/06/2011	HugoGirard	633592	7050846	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateN	C	100	Moist		
117079	10/06/2011	HugoGirard	633567	7050890	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	80	Moist		
117080	10/06/2011	HugoGirard	633541	7050935	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateN	C	40	Dry		
117081	10/06/2011	HugoGirard	633514	7050976	UTM27N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	C	60	Dry		
117082	10/06/2011	HugoGirard	633491	7051017	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Dry		
117083	10/06/2011	HugoGirard	633465	7051063	UTM27N_WGS84	Colluvium	Yellow	Silt	ModerateN	C	60	Dry		
117084	10/06/2011	HugoGirard	633430	7051100	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateN	C	50	Dry		
117085	10/06/2011	HugoGirard	633406	7051153	UTM27N_WGS84	Colluvium	Orange	Silt	ModerateN	C	50	Dry		
117086	10/06/2011	HugoGirard	633382	7051178	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry		
117109	11/06/2011	HugoGirard	634530	7051624	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Dry		
117110	11/06/2011	HugoGirard	634514	7051664	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry		
117111	11/06/2011	HugoGirard	634496	7051712	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Dry		
117112	11/06/2011	HugoGirard	634468	7051761	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry		
117113	11/06/2011	HugoGirard	634461	7051803	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry		
117114	11/06/2011	HugoGirard	634433	7051856	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry		
117115	11/06/2011	HugoGirard	634433	7051856	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry		
117116	11/06/2011	HugoGirard	634423	7051900	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Dry		
117117	11/06/2011	HugoGirard	634411	7051944	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry		
117118	11/06/2011	HugoGirard	634381	7051990	UTM27N_WGS84	Colluvium	Green	Silt	ModerateN	C	50	Dry		
117119	11/06/2011	HugoGirard	634361	7052031	UTM27N_WGS84	Colluvium	Brown	Silt	ModerateN	C	80	Dry		
117120	11/06/2011	HugoGirard	634347	7052083	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	80	Dry		
117121	11/06/2011	HugoGirard	634332	7052123	UTM27N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry		
117122	11/06/2011	HugoGirard	634315	7052174	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Dry		
117123	11/06/2011	HugoGirard	634286	7052221	UTM27N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Dry		
118043	09/06/2011	DrewMacPhail	622926	7059876	UTM27N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118044	09/06/2011	DrewMacPhail	622977	7059901	UTM27N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118045	09/06/2011	DrewMacPhail	623020	7059930	UTM27N_WGS84	Soil	BrownLight	Sand	Flat	C	45	Dry		
118046	09/06/2011	DrewMacPhail	623068	7059956	UTM27N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118047	09/06/2011	DrewMacPhail	623104	7059989	UTM27N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118048	09/06/2011	DrewMacPhail	623140	7060019	UTM27N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118049	09/06/2011	DrewMacPhail	623188	7060040	UTM27N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118050	09/06/2011	DrewMacPhail	623229	7060063	UTM27N_WGS84	Soil	BrownLight	Sand	ModerateS	C	60	Dry		
118051	09/06/2011	DrewMacPhail	623273	7060098	UTM27N_WGS84	Soil	Brown	Sand	Flat	C	50	Dry		
118052	09/06/2011	DrewMacPhail	623314	7060124	UTM27N_WGS84	Soil	BrownLight	Gravel	ModerateE	C	80	Dry		
118053	09/06/2011	DrewMacPhail	623359	7060142	UTM27N_WGS84	Soil	BrownLight	Sand	ModerateE	C	60	Dry		
118054	09/06/2011	DrewMacPhail	623399	7060159	UTM27N_WGS84	Soil	Green	Sand	ModerateE	C	60	Dry		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118055	09/06/2011	DrewMacPhail	623455	7060179	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	55	Dry		
118056	09/06/2011	DrewMacPhail	623502	7060184	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	45	Dry		
118057	09/06/2011	DrewMacPhail	623541	7060206	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateE	C	45	Dry		
118058	09/06/2011	DrewMacPhail	623598	7060218	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118059	09/06/2011	DrewMacPhail	623646	7060223	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	70	Dry		
118060	09/06/2011	DrewMacPhail	623694	7060242	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118061	09/06/2011	DrewMacPhail	623733	7060256	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	50	Dry		
118062	09/06/2011	DrewMacPhail	623787	7060273	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	50	Dry		
118063	09/06/2011	DrewMacPhail	623834	7060276	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118064	09/06/2011	DrewMacPhail	623880	7060282	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	60	Dry		
118066	09/06/2011	DrewMacPhail	623931	7060283	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118067	09/06/2011	DrewMacPhail	623981	7060290	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118068	09/06/2011	DrewMacPhail	624037	7060282	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	55	Dry		
118069	09/06/2011	DrewMacPhail	624079	7060285	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	70	Dry		
118070	09/06/2011	DrewMacPhail	624138	7060289	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118071	09/06/2011	DrewMacPhail	624184	7060286	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	45	Dry		
118072	09/06/2011	DrewMacPhail	624232	7060286	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	60	Dry		
118073	09/06/2011	DrewMacPhail	624287	7060294	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	35	Dry		
118074	09/06/2011	DrewMacPhail	624337	7060295	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateS	C	60	Dry		
118075	09/06/2011	DrewMacPhail	624382	7060297	UTMZ7N_WGS84	Soil	Grey	Sand	ModerateS	C	60	Dry		
118076	09/06/2011	DrewMacPhail	624432	7060294	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateS	C	60	Dry		
118077	10/06/2011	DrewMacPhail	631825	7049397	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	50	Dry		
118078	10/06/2011	DrewMacPhail	631870	7049366	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118079	10/06/2011	DrewMacPhail	631904	7049337	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118080	10/06/2011	DrewMacPhail	631946	7049302	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118081	10/06/2011	DrewMacPhail	631988	7049274	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	70	Dry		
118082	10/06/2011	DrewMacPhail	632028	7049245	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118083	10/06/2011	DrewMacPhail	632068	7049212	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateE	C	60	Dry		
118084	10/06/2011	DrewMacPhail	632108	7049178	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118085	10/06/2011	DrewMacPhail	632153	7049181	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	50	Dry		
118086	10/06/2011	DrewMacPhail	632211	7049185	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Moist		
118087	10/06/2011	DrewMacPhail	632259	7049196	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	60	Dry		
118088	10/06/2011	DrewMacPhail	632304	7049204	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	65	Dry		
118089	10/06/2011	DrewMacPhail	632352	7049213	UTMZ7N_WGS84	Soil	Green	Sand	ModerateE	C	60	Dry		
118091	10/06/2011	DrewMacPhail	632402	7049215	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	65	Dry		
118092	10/06/2011	DrewMacPhail	632455	7049229	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	45	Dry		
118093	10/06/2011	DrewMacPhail	632499	7049235	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118094	10/06/2011	DrewMacPhail	632546	7049239	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118095	10/06/2011	DrewMacPhail	632599	7049250	UTMZ7N_WGS84	Soil	Grey	Sand	ModerateE	C	65	Dry		
118096	10/06/2011	DrewMacPhail	632648	7049248	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118097	10/06/2011	DrewMacPhail	632699	7049267	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	60	Dry		
118098	10/06/2011	DrewMacPhail	632728	7049304	UTMZ7N_WGS84	Soil	Tan	Sand	ModerateE	C	60	Dry		
118099	10/06/2011	DrewMacPhail	632764	7049342	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118100	10/06/2011	DrewMacPhail	632800	7049380	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118101	10/06/2011	DrewMacPhail	632825	7049419	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	65	Dry		
118102	10/06/2011	DrewMacPhail	632861	7049453	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	65	Dry		
118103	10/06/2011	DrewMacPhail	632895	7049496	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
118104	10/06/2011	DrewMacPhail	632928	7049535	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	65	Dry		
118105	10/06/2011	DrewMacPhail	632954	7049572	UTMZ7N_WGS84	Soil	Tan	Sand	Flat	C	75	Dry		
118106	10/06/2011	DrewMacPhail	632988	7049605	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	70	Dry		
118107	10/06/2011	DrewMacPhail	633040	7049618	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	60	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118108	10/06/2011	DrewMacPhail	633089	7049621	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	65	Dry		
118109	10/06/2011	DrewMacPhail	633136	7049634	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat		60	Dry		
118110	10/06/2011	DrewMacPhail	633189	7049642	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	65	Dry		
118111	10/06/2011	DrewMacPhail	633244	7049650	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	75	Dry		
118112	10/06/2011	DrewMacPhail	633286	7049659	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118113	10/06/2011	DrewMacPhail	633331	7049663	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118114	10/06/2011	DrewMacPhail	633386	7049673	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	85	Dry		
118116	10/06/2011	DrewMacPhail	633426	7049684	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	65	Dry		
118117	10/06/2011	DrewMacPhail	633469	7049718	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118118	11/06/2011	DrewMacPhail	632329	7049160	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	65	Dry		
118119	11/06/2011	DrewMacPhail	632362	7049126	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateE	C	65	Dry		
118120	11/06/2011	DrewMacPhail	632396	7049092	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	65	Moist		
118121	11/06/2011	DrewMacPhail	632428	7049056	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	65	Dry		
118122	11/06/2011	DrewMacPhail	632461	7049015	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118123	11/06/2011	DrewMacPhail	632490	7048979	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateSE	C	90	Dry		
118124	11/06/2011	DrewMacPhail	632534	7048937	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
118125	11/06/2011	DrewMacPhail	632560	7048907	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	65	Dry		
118126	11/06/2011	DrewMacPhail	632599	7048870	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118127	11/06/2011	DrewMacPhail	632629	7048827	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
118128	11/06/2011	DrewMacPhail	632666	7048792	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateS	C	65	Dry		
118129	11/06/2011	DrewMacPhail	632693	7048758	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateSE	C	65	Dry		
118130	11/06/2011	DrewMacPhail	632731	7048720	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateS	C	65	Dry		
118131	11/06/2011	DrewMacPhail	632762	7048674	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	50	Dry		
118132	11/06/2011	DrewMacPhail	632822	7048601	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	50	Dry		
118133	11/06/2011	DrewMacPhail	632891	7048524	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Frozen		
118134	11/06/2011	DrewMacPhail	633075	7048345	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	55	Dry		
118135	11/06/2011	DrewMacPhail	633102	7048309	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Moist		
118136	11/06/2011	DrewMacPhail	633142	7048267	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
118137	11/06/2011	DrewMacPhail	633170	7048228	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
118138	11/06/2011	DrewMacPhail	633203	7048196	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
118139	11/06/2011	DrewMacPhail	633232	7048160	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
119046	09/06/2011	MartyHuber	625167	7060427	UTMZ7N_WGS84	Soil	Green	Sand	Flat	C	50	Dry		
119047	09/06/2011	MartyHuber	625117	7060419	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	45	Dry		
119048	09/06/2011	MartyHuber	625075	7060406	UTMZ7N_WGS84	Soil	White	Silt	Flat	C	55	Dry		
119049	09/06/2011	MartyHuber	625021	7060397	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	50	Dry		
119050	09/06/2011	MartyHuber	624975	7060385	UTMZ7N_WGS84	Soil	Yellow	Silt	Flat	C	55	Dry		
119051	09/06/2011	MartyHuber	624919	7060376	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	60	Dry		
119052	09/06/2011	MartyHuber	624876	7060362	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	50	Dry		
119053	09/06/2011	MartyHuber	624824	7060356	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	45	Dry		
119054	09/06/2011	MartyHuber	624773	7060348	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	B	40	Moist		
119055	09/06/2011	MartyHuber	624730	7060340	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	C	45	Dry		
119056	09/06/2011	MartyHuber	624672	7060322	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	40	Dry		
119057	09/06/2011	MartyHuber	624625	7060321	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	50	Dry		
119058	09/06/2011	MartyHuber	624583	7060304	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	30	Dry		
119059	09/06/2011	MartyHuber	624536	7060304	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	C	50	Dry		
119060	09/06/2011	MartyHuber	624480	7060293	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	50	Dry		
119061	09/06/2011	MartyHuber	624468	7060330	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	65	Dry		
119062	09/06/2011	MartyHuber	624428	7060374	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	40	Dry		
119063	09/06/2011	MartyHuber	624398	7060421	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	55	Dry		
119064	09/06/2011	MartyHuber	624380	7060456	UTMZ7N_WGS84	Soil	Black	Silt	ModerateN	C	45	Dry		
119066	09/06/2011	MartyHuber	624351	7060505	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	55	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119067	09/06/2011	MartyHuber	624331	7060546	UTMZ7N_WGS84	Soil	Grey	Clay	ModerateN	B	35	Moist		
119068	09/06/2011	MartyHuber	624302	7060587	UTMZ7N_WGS84	Soil	Grey	Sand	ModerateN	C	30	Frozen		
119069	09/06/2011	MartyHuber	624278	7060624	UTMZ7N_WGS84	Soil	BrownLight	Gravel	ModerateN	C	45	Dry		
119070	09/06/2011	MartyHuber	624256	7060668	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	55	Dry		
119071	09/06/2011	MartyHuber	624240	7060718	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	55	Dry		
119072	09/06/2011	MartyHuber	624219	7060766	UTMZ7N_WGS84	Soil	Grey	Sand	ModerateN	C	45	Dry		
119073	09/06/2011	MartyHuber	624206	7060820	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateNE	C	45	Dry		
119074	09/06/2011	MartyHuber	624183	7060860	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Dry		
119075	09/06/2011	MartyHuber	624167	7060905	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	55	Dry		
119076	09/06/2011	MartyHuber	624152	7060959	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	50	Dry		
119077	09/06/2011	MartyHuber	624133	7061002	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	60	Dry		
119078	09/06/2011	MartyHuber	624107	7061041	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Dry		
119079	09/06/2011	MartyHuber	624078	7061081	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateN	C	65	Dry		
119080	09/06/2011	MartyHuber	624047	7061128	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	C	50	Dry		
119081	09/06/2011	MartyHuber	624013	7061168	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	60	Dry		
119082	09/06/2011	MartyHuber	623980	7061209	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateN	C	75	Dry		
119083	09/06/2011	MartyHuber	623958	7061249	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	C	80	Wet		
119084	09/06/2011	MartyHuber	623932	7061291	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	B	55	Moist		
119085	09/06/2011	MartyHuber	623865	7061389	UTMZ7N_WGS84	Soil	Grey	Clay	ModerateN	B	30	Moist		
119086	09/06/2011	MartyHuber	623821	7061455	UTMZ7N_WGS84	Soil	Grey	Clay	Flat	B	30	Wet		
119087	10/06/2011	MartyHuber	630443	7053723	UTMZ7N_WGS84	Soil	Grey	Clay	Flat	B	35	Frozen		
119088	10/06/2011	MartyHuber	630473	7053678	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	B	40	Frozen		
119089	10/06/2011	MartyHuber	630539	7053609	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	40	Moist		
119091	10/06/2011	MartyHuber	630612	7053535	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	45	Moist		
119092	10/06/2011	MartyHuber	630644	7053494	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	55	Wet		
119093	10/06/2011	MartyHuber	630684	7053460	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	55	Dry		
119094	10/06/2011	MartyHuber	630715	7053420	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	60	Dry		
119095	10/06/2011	MartyHuber	630756	7053386	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
119096	10/06/2011	MartyHuber	630779	7053355	UTMZ7N_WGS84	Soil	Green	Silt	Flat	C	50	Dry		
119097	10/06/2011	MartyHuber	630815	7053312	UTMZ7N_WGS84	Soil	Green	Silt	Flat	C	50	Dry		
119098	10/06/2011	MartyHuber	630848	7053278	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	50	Dry		
119099	10/06/2011	MartyHuber	630877	7053229	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateN	C	40	Dry		
119100	10/06/2011	MartyHuber	630890	7053175	UTMZ7N_WGS84	Soil	Green	Sand	Flat	C	50	Dry		
119101	10/06/2011	MartyHuber	630915	7053134	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateN	C	45	Dry		
119102	10/06/2011	MartyHuber	630926	7053089	UTMZ7N_WGS84	Soil	Green	Sand	Ridge	C	40	Dry		
119103	10/06/2011	MartyHuber	630962	7053043	UTMZ7N_WGS84	Soil	Green	Sand	Ridge	C	45	Dry		
119104	10/06/2011	MartyHuber	630962	7052994	UTMZ7N_WGS84	Soil	Green	Sand	Ridge	C	50	Dry		
119105	10/06/2011	MartyHuber	630986	7052960	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	45	Dry		
119106	10/06/2011	MartyHuber	631016	7052904	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	80	Dry		
119107	10/06/2011	MartyHuber	631033	7052858	UTMZ7N_WGS84	Soil	Green	Silt	Ridge	C	75	Dry		
119108	10/06/2011	MartyHuber	631050	7052820	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	70	Dry		
119109	10/06/2011	MartyHuber	631078	7052767	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	60	Dry		
119110	10/06/2011	MartyHuber	631099	7052728	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	50	Dry		
119111	10/06/2011	MartyHuber	631118	7052679	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry		
119112	10/06/2011	MartyHuber	631141	7052635	UTMZ7N_WGS84	Soil	Tan	Sand	Ridge	C	40	Dry		
119113	10/06/2011	MartyHuber	631163	7052591	UTMZ7N_WGS84	Soil	Tan	Sand	Ridge	C	55	Dry		
119114	10/06/2011	MartyHuber	631184	7052545	UTMZ7N_WGS84	Soil	Tan	Sand	Ridge	C	45	Dry		
119116	10/06/2011	MartyHuber	631543	7051340	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	45	Dry		
119117	10/06/2011	MartyHuber	631545	7051389	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Dry		
119118	10/06/2011	MartyHuber	631544	7051435	UTMZ7N_WGS84	Soil	Green	Silt	Ridge	C	65	Dry		
119119	10/06/2011	MartyHuber	631542	7051484	UTMZ7N_WGS84	Soil	Green	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
119120	10/06/2011	MartyHuber	631543	7051542	UTMZ7N_WGS84	Soil	Green	Silt	Ridge	C	55	Dry		
119121	10/06/2011	MartyHuber	631532	7051581	UTMZ7N_WGS84	Soil	Green	Silt	Ridge	C	75	Dry		
119122	10/06/2011	MartyHuber	631536	7051634	UTMZ7N_WGS84	Soil	Grey	Sand	Ridge	C	50	Dry		
119123	10/06/2011	MartyHuber	631540	7051681	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	55	Dry		
119124	10/06/2011	MartyHuber	631527	7051734	UTMZ7N_WGS84	Soil	BrownDark	Silt	Ridge	C	50	Dry		
119125	10/06/2011	MartyHuber	631531	7051788	UTMZ7N_WGS84	Colluvium	Tan	Gravel	Ridge	C	60	Dry		
119126	10/06/2011	MartyHuber	631527	7051836	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	65	Dry		
119127	10/06/2011	MartyHuber	631526	7051882	UTMZ7N_WGS84	Soil	Tan	Sand	Ridge	C	60	Dry		
119128	10/06/2011	MartyHuber	631503	7051928	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	85	Dry		
119129	10/06/2011	MartyHuber	631477	7051967	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	65	Dry		
119130	10/06/2011	MartyHuber	631450	7052019	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	75	Dry		
119131	10/06/2011	MartyHuber	631427	7052059	UTMZ7N_WGS84	Soil	Grey	Silt	Ridge	C	85	Dry		
119132	10/06/2011	MartyHuber	631402	7052100	UTMZ7N_WGS84	Soil	Grey	Silt	Ridge	C	65	Dry		
119133	10/06/2011	MartyHuber	631377	7052142	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	65	Dry		
119134	10/06/2011	MartyHuber	631352	7052193	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	85	Dry		
119135	10/06/2011	MartyHuber	631334	7052243	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	55	Dry		
119136	10/06/2011	MartyHuber	631307	7052276	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	70	Dry		
119137	10/06/2011	MartyHuber	631285	7052310	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	50	Dry		
119138	10/06/2011	MartyHuber	631269	7052360	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	75	Dry		
119139	10/06/2011	MartyHuber	631243	7052407	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	75	Dry		
119141	10/06/2011	MartyHuber	631222	7052452	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	70	Dry		
119142	10/06/2011	MartyHuber	631201	7052496	UTMZ7N_WGS84	Soil	Tan	Silt	Ridge	C	70	Dry		
119143	11/06/2011	MartyHuber	633489	7049646	UTMZ7N_WGS84	Soil	Tan	Silt	Flat	C	40	Dry		
119144	11/06/2011	MartyHuber	633521	7049601	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	40	Dry		
119145	11/06/2011	MartyHuber	633558	7049566	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	65	Dry		
119146	11/06/2011	MartyHuber	633585	7049529	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	65	Dry		
119147	11/06/2011	MartyHuber	633623	7049489	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateE	C	55	Dry		
119148	11/06/2011	MartyHuber	633641	7049461	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	55	Dry		
119149	11/06/2011	MartyHuber	633678	7049410	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateS	C	60	Dry		
119150	11/06/2011	MartyHuber	633716	7049386	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	55	Dry		
119151	11/06/2011	MartyHuber	633742	7049339	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateS	C	60	Dry		
119152	11/06/2011	MartyHuber	633779	7049311	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	50	Dry		
119153	11/06/2011	MartyHuber	633818	7049267	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	50	Dry		
119154	11/06/2011	MartyHuber	633854	7049228	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	60	Dry		
119155	11/06/2011	MartyHuber	633875	7049183	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	55	Dry		
119156	11/06/2011	MartyHuber	633921	7049155	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	65	Dry		
119157	11/06/2011	MartyHuber	633929	7049114	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	60	Dry		
119158	11/06/2011	MartyHuber	633958	7049062	UTMZ7N_WGS84	Soil	Tan	Silt	Flat	C	65	Dry		
119159	11/06/2011	MartyHuber	633987	7049022	UTMZ7N_WGS84	Soil	Tan	Silt	Flat	C	60	Dry		
119160	11/06/2011	MartyHuber	634008	7048974	UTMZ7N_WGS84	Soil	Tan	Silt	Flat	C	55	Dry		
119161	11/06/2011	MartyHuber	634034	7048941	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	60	Dry		
119162	11/06/2011	MartyHuber	634063	7048894	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	75	Dry		
119163	11/06/2011	MartyHuber	634082	7048846	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	80	Dry		
119164	11/06/2011	MartyHuber	634112	7048811	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	80	Dry		
119166	11/06/2011	MartyHuber	634132	7048762	UTMZ7N_WGS84	Soil	BrownLight	Sand	Flat	C	55	Dry		
119167	11/06/2011	MartyHuber	634163	7048726	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	55	Dry		
119168	11/06/2011	MartyHuber	634185	7048672	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	80	Dry		
119169	11/06/2011	MartyHuber	634211	7048633	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	70	Dry		
119170	11/06/2011	MartyHuber	634230	7048590	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	75	Dry		
119171	11/06/2011	MartyHuber	634255	7048541	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	85	Dry		
121069	09/06/2011	DarcyHudson	630336	7056330	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	70	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121070	09/06/2011	DarcyHudson	630315	7056277	UTMZ7N_WGS84	Soil	Orange	Silt	Flat	C	60	Dry		
121071	09/06/2011	DarcyHudson	630300	7056235	UTMZ7N_WGS84	Soil	BrownLight	Clay	ModerateSW	C	75	Moist		
121072	09/06/2011	DarcyHudson	630290	7056178	UTMZ7N_WGS84	Soil	Orange	Silt	ModerateS	C	55	Dry		
121073	09/06/2011	DarcyHudson	630269	7056140	UTMZ7N_WGS84	Soil	Orange	Silt	ModerateS	C	60	Dry		
121074	09/06/2011	DarcyHudson	630253	7056087	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	55	Dry		
121075	09/06/2011	DarcyHudson	630241	7056043	UTMZ7N_WGS84	Soil	Orange	Silt	ModerateSW	C	75	Dry		
121076	09/06/2011	DarcyHudson	630226	7055998	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	65	Dry		
121077	09/06/2011	DarcyHudson	630186	7055963	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	50	Dry		
121078	09/06/2011	DarcyHudson	630151	7055921	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	65	Dry		
121079	09/06/2011	DarcyHudson	630115	7055894	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	70	Dry		
120043	09/06/2011	SteveCrowell	626350	7060966	UTMZ7N_WGS84	Soil	Tan	Sand	Flat	C	40	Dry		
120044	09/06/2011	SteveCrowell	626368	7061012	UTMZ7N_WGS84	Soil	Tan	Sand	Flat	C	40	Dry		
120045	09/06/2011	SteveCrowell	626386	7061053	UTMZ7N_WGS84	Soil	Yellow	Sand	Flat	C	35	Dry		
120046	09/06/2011	SteveCrowell	626401	7061102	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	B	30	Dry		
120047	09/06/2011	SteveCrowell	626417	7061148	UTMZ7N_WGS84	Soil	Tan	Sand	Flat	C	30	Dry		
120048	09/06/2011	SteveCrowell	626440	7061197	UTMZ7N_WGS84	Soil	Tan	Sand	Flat	C	30	Dry		
120049	09/06/2011	SteveCrowell	626463	7061242	UTMZ7N_WGS84	Soil	Tan	Sand	Flat	C	40	Dry		
120050	09/06/2011	SteveCrowell	626477	7061298	UTMZ7N_WGS84	Soil	Tan	Sand	ModerateS	C	40	Dry		
120051	09/06/2011	SteveCrowell	626500	7061341	UTMZ7N_WGS84	Soil	Tan	Sand	ModerateS	C	40	Dry		
120052	09/06/2011	SteveCrowell	626519	7061384	UTMZ7N_WGS84	Soil	Tan	Sand	Flat	C	40	Dry		
120053	09/06/2011	SteveCrowell	626485	7061463	UTMZ7N_WGS84	Soil	Tan	Sand	ModerateN	C	60	Dry		
120054	09/06/2011	SteveCrowell	626444	7061502	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	50	Dry		
120055	09/06/2011	SteveCrowell	626405	7061538	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	45	Dry		
120056	09/06/2011	SteveCrowell	626377	7061570	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepN	C	40	Wet		
120057	09/06/2011	SteveCrowell	626344	7061599	UTMZ7N_WGS84	Soil	RustyOrange	Sand	SteepN	C	55	Dry		
120058	09/06/2011	SteveCrowell	626296	7061633	UTMZ7N_WGS84	Soil	Orange	Sand	SteepN	C	50	Wet		
120059	09/06/2011	SteveCrowell	626263	7061665	UTMZ7N_WGS84	Soil	RustyOrange	Sand	SteepN	C	55	Dry		
120061	09/06/2011	SteveCrowell	626197	7061735	UTMZ7N_WGS84	Soil	Orange	Sand	SteepN	C	45	Dry		
120062	09/06/2011	SteveCrowell	626153	7061776	UTMZ7N_WGS84	Soil	RustyOrange	Sand	SteepN	C	45	Dry		
120063	09/06/2011	SteveCrowell	626111	7061806	UTMZ7N_WGS84	Soil	Orange	Sand	ModerateN	C	45	Dry		
120064	09/06/2011	SteveCrowell	626076	7061841	UTMZ7N_WGS84	Soil	RustyOrange	Sand	ModerateN	C	40	Dry		
120065	09/06/2011	SteveCrowell	626044	7061869	UTMZ7N_WGS84	Soil	Yellow	Sand	ModerateN	C	40			
120066	09/06/2011	SteveCrowell	626001	7061906	UTMZ7N_WGS84	Soil	Yellow	Sand	ModerateN	C	40	Dry		
120067	09/06/2011	SteveCrowell	625971	7061940	UTMZ7N_WGS84	Soil	Yellow	Sand	Flat	C	40	Dry		
120068	09/06/2011	SteveCrowell	625926	7061974	UTMZ7N_WGS84	Soil	Green	Sand	Flat	C	60	Dry		
120069	09/06/2011	SteveCrowell	625895	7061998	UTMZ7N_WGS84	Soil	Orange	Sand	Flat	C	30	Dry		
120070	09/06/2011	SteveCrowell	625860	7062039	UTMZ7N_WGS84	Soil	Yellow	Sand	Flat	C	40	Dry		
120071	09/06/2011	SteveCrowell	625823	7062075	UTMZ7N_WGS84	Soil	RustyOrange	Sand	Flat	C	30	Dry		
120072	09/06/2011	SteveCrowell	625786	7062107	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	40	Dry		
120073	09/06/2011	SteveCrowell	625737	7062110	UTMZ7N_WGS84	Soil	Yellow	Sand	Flat	C	40	Dry		
120074	09/06/2011	SteveCrowell	625682	7062121	UTMZ7N_WGS84	Soil	Tan	Sand	Flat	C	40	Dry		
120075	09/06/2011	SteveCrowell	625633	7062140	UTMZ7N_WGS84	Soil	Grey	Sand	Flat	C	60	Dry		
120076	09/06/2011	SteveCrowell	625596	7062158	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	45	Dry		
120077	09/06/2011	SteveCrowell	625543	7062160	UTMZ7N_WGS84	Soil	Grey	Sand	ModerateN	C	50	Dry		
120078	09/06/2011	SteveCrowell	625484	7062171	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Frozen		
120079	09/06/2011	SteveCrowell	625447	7062181	UTMZ7N_WGS84	Soil	Tan	Sand	ModerateN	C	40	Dry		
120080	09/06/2011	SteveCrowell	625392	7062191	UTMZ7N_WGS84	Soil	Tan	Sand	ModerateN	C	40	Dry		
120081	09/06/2011	SteveCrowell	625331	7062199	UTMZ7N_WGS84	Soil	RustyRed	Silt	Flat	C	35	Dry		
120082	09/06/2011	SteveCrowell	625292	7062206	UTMZ7N_WGS84	Soil	RustyRed	Sand	Flat	C	40	Dry		
120083	11/06/2011	SteveCrowell	635700	7049813	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Moist		
120084	11/06/2011	SteveCrowell	635666	7049773	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	40	Dry		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120085	11/06/2011	SteveCrowell	635647	7049736	UTM27N_WGS84	Soil	BrownLight	Sand	Ridge	C	50	Dry		
120086	11/06/2011	SteveCrowell	635605	7049708	UTM27N_WGS84	Soil	BrownLight	Silt	Ridge	C	30	Dry		
120087	11/06/2011	SteveCrowell	635561	7049676	UTM27N_WGS84	Soil	BrownLight	Sand	Ridge	C	50	Dry		
120088	11/06/2011	SteveCrowell	635533	7049640	UTM27N_WGS84	Soil	BrownLight	Sand	Ridge	C	40	Dry		
120089	11/06/2011	SteveCrowell	635494	7049604	UTM27N_WGS84	Soil	BrownLight	Sand	Ridge	C	50	Dry		
120090	11/06/2011	SteveCrowell	635452	7049572	UTM27N_WGS84	Soil	Brown	Sand	Ridge	C	50	Dry		
120091	11/06/2011	SteveCrowell	635426	7049535	UTM27N_WGS84	Soil	Brown	Sand	Ridge	C	50	Dry		
120092	11/06/2011	SteveCrowell	635384	7049497	UTM27N_WGS84	Soil	BrownLight	Sand	Ridge	C	40	Dry		
120093	11/06/2011	SteveCrowell	635348	7049466	UTM27N_WGS84	Soil	BrownLight	Silt	Ridge	C	20	Dry		
120094	11/06/2011	SteveCrowell	635319	7049430	UTM27N_WGS84	Soil	BrownLight	Sand	Ridge	C	40	Dry		
120095	11/06/2011	SteveCrowell	635304	7049383	UTM27N_WGS84	Soil	Brown	Sand	Ridge	C	40	Dry		
120096	11/06/2011	SteveCrowell	635285	7049333	UTM27N_WGS84	Soil	RustyOrange	Silt	Ridge	B	25	Moist		
120097	11/06/2011	SteveCrowell	635260	7049290	UTM27N_WGS84	Soil	RustyOrange	Silt	Ridge	C	30	Moist		
120098	11/06/2011	SteveCrowell	635193	7049271	UTM27N_WGS84	Soil	RustyOrange	Sand	Ridge	C	40	Moist		
120099	11/06/2011	SteveCrowell	635129	7049286	UTM27N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist		
120100	11/06/2011	SteveCrowell	635062	7049306	UTM27N_WGS84	Soil	BrownDark	Silt	ModerateW	B	20	Moist		
120101	11/06/2011	SteveCrowell	635004	7049319	UTM27N_WGS84	Soil	Grey	Clay	ModerateW	C	60	Moist		
120102	11/06/2011	SteveCrowell	634950	7049328	UTM27N_WGS84	Soil	Brown	Silt	ModerateW	C	70	Dry		
120103	11/06/2011	SteveCrowell	634877	7049334	UTM27N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist		
120104	11/06/2011	SteveCrowell	634832	7049360	UTM27N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist		
120105	11/06/2011	SteveCrowell	634795	7049389	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateW	C	60	Moist		
120106	11/06/2011	SteveCrowell	634744	7049427	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateW	C	60	Moist		
121001	08/06/2011	DarcyHudson	626366	7060931	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	50	Dry		
121002	08/06/2011	DarcyHudson	626400	7060885	UTM27N_WGS84	Soil	Tan	Silt	ModerateS	C	45	Dry		
121003	08/06/2011	DarcyHudson	626429	7060850	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	40	Dry		
121004	08/06/2011	DarcyHudson	626456	7060807	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	60	Dry		
121005	08/06/2011	DarcyHudson	626485	7060772	UTM27N_WGS84	Soil	Tan	Silt	ModerateSE	C	55	Dry		
121006	08/06/2011	DarcyHudson	626519	7060732	UTM27N_WGS84	Soil	RustyOrange	Silt	ModerateSE	C	65	Dry		
121007	08/06/2011	DarcyHudson	626550	7060692	UTM27N_WGS84	Soil	Tan	Silt	ModerateS	C	65	Dry		
121008	08/06/2011	DarcyHudson	626583	7060655	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	60	Dry		
121009	08/06/2011	DarcyHudson	626614	7060613	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	55	Dry		
121010	08/06/2011	DarcyHudson	626649	7060575	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	55	Dry		
121011	08/06/2011	DarcyHudson	626677	7060543	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	65	Dry		
121012	08/06/2011	DarcyHudson	626714	7060509	UTM27N_WGS84	Soil	Tan	Silt	ModerateS	C	55	Dry		
121013	08/06/2011	DarcyHudson	626753	7060473	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	60	Moist		
121014	08/06/2011	DarcyHudson	626790	7060442	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateE	C	65	Dry		
121016	08/06/2011	DarcyHudson	626832	7060404	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateE	C	50	Dry		
121017	08/06/2011	DarcyHudson	626859	7060369	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	60	Dry		
121018	08/06/2011	DarcyHudson	626899	7060338	UTM27N_WGS84	Soil	Green	Silt	ModerateE	C	60	Dry		
121019	08/06/2011	DarcyHudson	626932	7060298	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateE	C	60	Dry		
121020	08/06/2011	DarcyHudson	626975	7060271	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateE	C	65	Dry		
121021	08/06/2011	DarcyHudson	627015	7060243	UTM27N_WGS84	Soil	Tan	Silt	ModerateSE	C	65	Dry		
121022	08/06/2011	DarcyHudson	627056	7060218	UTM27N_WGS84	Soil	Tan	Silt	ModerateE	C	60	Dry		
121023	08/06/2011	DarcyHudson	627105	7060186	UTM27N_WGS84	Soil	RustyOrange	Silt	ModerateE	C	70	Dry		
121024	08/06/2011	DarcyHudson	627141	7060152	UTM27N_WGS84	Soil	Green	Silt	ModerateE	C	65	Dry		
121025	08/06/2011	DarcyHudson	627177	7060126	UTM27N_WGS84	Soil	Green	Silt	ModerateE	C	65	Dry		
121026	08/06/2011	DarcyHudson	627218	7060095	UTM27N_WGS84	Soil	Green	Silt	ModerateE	C	65	Dry		
121027	08/06/2011	DarcyHudson	627266	7060069	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateE	C	55	Dry		
121028	08/06/2011	DarcyHudson	627307	7060041	UTM27N_WGS84	Soil	BrownLight	Sand	ModerateE	C	65	Dry		
121029	08/06/2011	DarcyHudson	627341	7060006	UTM27N_WGS84	Soil	Brown	Silt	ModerateSE	C	55	Dry		
121030	08/06/2011	DarcyHudson	627371	7059973	UTM27N_WGS84	Soil	Brown	Silt	ModerateE	C	55	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121031	08/06/2011	DarcyHudson	627405	7059921	UTM27N_WGS84	Soil	Brown	Silt	ModerateSE	C	50	Dry		
121032	08/06/2011	DarcyHudson	627435	7059880	UTM27N_WGS84	Soil	Brown	Silt	ModerateSE	C	60	Dry		
121033	08/06/2011	DarcyHudson	627462	7059838	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	60	Dry		
121034	08/06/2011	DarcyHudson	627482	7059809	UTM27N_WGS84	Soil	Brown	Silt	ModerateSE	C	75	Dry		
121035	08/06/2011	DarcyHudson	627513	7059763	UTM27N_WGS84	Soil	Brown	Silt	ModerateSE	C	75	Dry		
121036	08/06/2011	DarcyHudson	627547	7059718	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateE	C	65	Dry		
121037	08/06/2011	DarcyHudson	627576	7059681	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	65	Dry		
121038	08/06/2011	DarcyHudson	627605	7059637	UTM27N_WGS84	Soil	Brown	Silt	ModerateSE	B	55	Dry		
121039	08/06/2011	DarcyHudson	627632	7059591	UTM27N_WGS84	Soil	Brown	Silt	ModerateSE	C	60	Dry		
121041	08/06/2011	DarcyHudson	627659	7059558	UTM27N_WGS84	Soil	BrownLight	Sand	ModerateSE	C	65	Dry		
121042	08/06/2011	DarcyHudson	627693	7059519	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	55	Dry		
121043	08/06/2011	DarcyHudson	627719	7059474	UTM27N_WGS84	Soil	Brown	Sand	ModerateSE	B	55	Moist		
121044	08/06/2011	DarcyHudson	627745	7059438	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	45	Moist		
121045	08/06/2011	DarcyHudson	627774	7059394	UTM27N_WGS84	Soil	Brown	Silt	ModerateS	B	45	Moist		
121046	08/06/2011	DarcyHudson	627802	7059347	UTM27N_WGS84	Soil	BrownDark	Silt	Flat	B	40	Wet		
121047	09/06/2011	DarcyHudson	630079	7057273	UTM27N_WGS84	Soil	Orange	Silt	ModerateS	C	65	Dry		
121048	09/06/2011	DarcyHudson	630110	7057237	UTM27N_WGS84	Soil	Orange	Silt	ModerateS	C	65	Dry		
121049	09/06/2011	DarcyHudson	630122	7057198	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	60	Dry		
121050	09/06/2011	DarcyHudson	630155	7057150	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	60	Dry		
121051	09/06/2011	DarcyHudson	630192	7057083	UTM27N_WGS84	Soil	BrownDark	Clay	ModerateS	C	50	Moist		
121052	09/06/2011	DarcyHudson	630195	7057030	UTM27N_WGS84	Soil	BrownDark	Silt	ModerateSW	C	80	Dry		
121053	09/06/2011	DarcyHudson	630231	7056986	UTM27N_WGS84	Soil	BrownDark	Clay	SteepSW	B	55	Moist		
121054	09/06/2011	DarcyHudson	630258	7056953	UTM27N_WGS84	Soil	BrownDark	Silt	ModerateSW	C	85	Dry		
121055	09/06/2011	DarcyHudson	630302	7056908	UTM27N_WGS84	Soil	Brown	Silt	SteepW	C	65	Dry		
121056	09/06/2011	DarcyHudson	630330	7056854	UTM27N_WGS84	Soil	Brown	Sand	ModerateW	B	50	Dry		
121057	09/06/2011	DarcyHudson	630354	7056805	UTM27N_WGS84	Soil	Brown	Gravel	ModerateSW	B	65	Moist		
121058	09/06/2011	DarcyHudson	630384	7056768	UTM27N_WGS84	Soil	BrownDark	Sand	ModerateW	C	70	Dry		
121059	09/06/2011	DarcyHudson	630400	7056723	UTM27N_WGS84	Soil	Grey	Silt	Flat	C	75	Dry		
121060	09/06/2011	DarcyHudson	630421	7056681	UTM27N_WGS84	Soil	Orange	Silt	ModerateSW	C	80	Dry		
121061	09/06/2011	DarcyHudson	630451	7056645	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	65	Dry		
121062	09/06/2011	DarcyHudson	630434	7056601	UTM27N_WGS84	Soil	Brown	Silt	Flat	C	65	Dry		
121063	09/06/2011	DarcyHudson	630416	7056563	UTM27N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Dry		
121064	09/06/2011	DarcyHudson	630395	7056517	UTM27N_WGS84	Soil	Green	Silt	Flat	C	65	Dry		
121066	09/06/2011	DarcyHudson	630384	7056473	UTM27N_WGS84	Soil	BrownLight	Silt	Flat	C	85	Dry		
121067	09/06/2011	DarcyHudson	630366	7056429	UTM27N_WGS84	Soil	Brown	Silt	Flat	C	70	Dry		
121068	09/06/2011	DarcyHudson	630352	7056381	UTM27N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Dry		
121080	09/06/2011	DarcyHudson	630079	7055857	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	65	Dry		
121081	09/06/2011	DarcyHudson	630052	7055816	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	60	Dry		
121082	09/06/2011	DarcyHudson	630015	7055776	UTM27N_WGS84	Soil	BrownLight	Silt	Flat	C	50	Dry		
121083	09/06/2011	DarcyHudson	629984	7055750	UTM27N_WGS84	Soil	BrownLight	Gravel	ModerateS	C	65	Dry		
121084	09/06/2011	DarcyHudson	629945	7055707	UTM27N_WGS84	Soil	Tan	Silt	Flat	C	55	Dry		
121085	09/06/2011	DarcyHudson	629912	7055680	UTM27N_WGS84	Soil	Brown	Silt	Flat	C	65	Dry		
121086	09/06/2011	DarcyHudson	629873	7055638	UTM27N_WGS84	Soil	Tan	Silt	Flat	C	70	Dry		
121087	09/06/2011	DarcyHudson	629845	7055604	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateS	C	55	Dry		
121088	10/06/2011	DarcyHudson	630267	7052235	UTM27N_WGS84	Soil	BrownLight	Gravel	ModerateN	C	70	Moist		
121089	10/06/2011	DarcyHudson	630224	7052200	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateN	C	65	Dry		
121091	10/06/2011	DarcyHudson	630196	7052164	UTM27N_WGS84	Soil	Brown	Gravel	ModerateN	C	75	Dry		
121092	10/06/2011	DarcyHudson	630158	7052131	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateN	C	65	Dry		
121093	10/06/2011	DarcyHudson	630117	7052099	UTM27N_WGS84	Soil	Green	Silt	ModerateNE	C	60	Moist		
121094	10/06/2011	DarcyHudson	630087	7052060	UTM27N_WGS84	Soil	Green	Silt	ModerateNE	C	55	Dry		
121095	10/06/2011	DarcyHudson	630056	7052028	UTM27N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	85	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121096	10/06/2011	DarcyHudson	630010	7051989	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	65	Dry		
121097	10/06/2011	DarcyHudson	629980	7051954	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateNE	C	65	Moist		
121098	10/06/2011	DarcyHudson	629946	7051920	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	85	Dry		
121099	10/06/2011	DarcyHudson	629911	7051885	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	B	45	Moist		
121100	10/06/2011	DarcyHudson	629829	7051811	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	B	45	Wet		
121101	10/06/2011	DarcyHudson	629806	7051777	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	50	Dry		
121102	10/06/2011	DarcyHudson	629772	7051746	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepNE	C	50	Dry		
121103	10/06/2011	DarcyHudson	629736	7051705	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateE	C	60	Dry		
121104	10/06/2011	DarcyHudson	629691	7051671	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	65	Dry		
121105	10/06/2011	DarcyHudson	629654	7051642	UTMZ7N_WGS84	Soil	Orange	Silt	ModerateN	C	55	Dry		
121106	10/06/2011	DarcyHudson	629413	7051860	UTMZ7N_WGS84	Soil	Green	Silt	Flat	C	65	Dry		
121107	10/06/2011	DarcyHudson	629425	7051915	UTMZ7N_WGS84	Soil	Orange	Silt	Flat	C	50	Moist		
121108	10/06/2011	DarcyHudson	629423	7051963	UTMZ7N_WGS84	Soil	Green	Gravel	Flat	C	65	Dry		
121109	10/06/2011	DarcyHudson	629431	7052015	UTMZ7N_WGS84	Soil	Brown	Gravel	Flat	C	45	Dry		
121110	10/06/2011	DarcyHudson	629427	7052057	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	B	40	Moist		
121111	10/06/2011	DarcyHudson	629436	7052118	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	65	Dry		
121112	10/06/2011	DarcyHudson	629438	7052165	UTMZ7N_WGS84	Soil	Brown	Gravel	Flat	C	55	Dry		
121113	10/06/2011	DarcyHudson	629445	7052207	UTMZ7N_WGS84	Soil	Green	Gravel	Flat	C	55	Dry		
121114	10/06/2011	DarcyHudson	629445	7052271	UTMZ7N_WGS84	Soil	Green	Silt	Flat	C	65	Moist		
121116	10/06/2011	DarcyHudson	629448	7052304	UTMZ7N_WGS84	Soil	Grey	Silt	Flat	C	45	Dry		
121117	10/06/2011	DarcyHudson	629453	7052359	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	65	Dry		
121118	10/06/2011	DarcyHudson	629457	7052407	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	45	Dry		
121119	10/06/2011	DarcyHudson	629466	7052456	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateN	C	55	Dry		
121120	10/06/2011	DarcyHudson	629471	7052511	UTMZ7N_WGS84	Soil	Green	Gravel	Flat	C	60	Dry		
121121	10/06/2011	DarcyHudson	629470	7052558	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	55	Dry		
121122	10/06/2011	DarcyHudson	629472	7052609	UTMZ7N_WGS84	Soil	Orange	Silt	Flat	C	60	Dry		
121123	10/06/2011	DarcyHudson	629482	7052655	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	65	Dry		
121124	10/06/2011	DarcyHudson	629485	7052704	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateN	C	50	Dry		
121125	10/06/2011	DarcyHudson	629493	7052757	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	65	Moist		
121126	10/06/2011	DarcyHudson	629490	7052807	UTMZ7N_WGS84	Soil	Green	Silt	ModerateN	C	65	Dry		
121127	10/06/2011	DarcyHudson	629499	7052857	UTMZ7N_WGS84	Soil	Brown	Gravel	Flat	C	55	Moist		
121128	10/06/2011	DarcyHudson	629508	7052911	UTMZ7N_WGS84	Soil	Tan	Silt	ModerateN	C	70	Dry		
121129	10/06/2011	DarcyHudson	629509	7052955	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	65	Dry		
121130	10/06/2011	DarcyHudson	629510	7053009	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	60	Dry		
121131	10/06/2011	DarcyHudson	629513	7053054	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	55	Dry		
121132	10/06/2011	DarcyHudson	629517	7053101	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	65	Dry		
121133	10/06/2011	DarcyHudson	629529	7053155	UTMZ7N_WGS84	Soil	BrownLight	Gravel	ModerateN	C	70	Dry		
121134	10/06/2011	DarcyHudson	629528	7053200	UTMZ7N_WGS84	Soil	Orange	Silt	Flat	C	55	Dry		
121135	10/06/2011	DarcyHudson	629528	7053255	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	70	Moist		
121136	10/06/2011	DarcyHudson	629541	7053302	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	50	Moist		
121137	10/06/2011	DarcyHudson	629546	7053351	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Moist		
121138	10/06/2011	DarcyHudson	629547	7053406	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	80	Moist		
121139	10/06/2011	DarcyHudson	629549	7053458	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	70	Moist		
121141	10/06/2011	DarcyHudson	629554	7053504	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	C	55	Moist		
121142	10/06/2011	DarcyHudson	629555	7053562	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	C	65	Moist		
121143	10/06/2011	DarcyHudson	629568	7053604	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	B	75	Moist		
121144	11/06/2011	DarcyHudson	633484	7049763	UTMZ7N_WGS84	Soil	Green	Silt	Flat	C	50	Dry		
121145	11/06/2011	DarcyHudson	633506	7049808	UTMZ7N_WGS84	Soil	Green	Gravel	Flat	C	50	Dry		
121146	11/06/2011	DarcyHudson	633525	7049855	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Dry		
121147	11/06/2011	DarcyHudson	633547	7049900	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	55	Dry		
121148	11/06/2011	DarcyHudson	633562	7049945	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	45	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121149	11/06/2011	DarcyHudson	633579	7049988	UTMZ7N_WGS84	Soil	Brown	Gravel	Flat	C	55	Dry		
121150	11/06/2011	DarcyHudson	633600	7050031	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	50	Dry		
121151	11/06/2011	DarcyHudson	633623	7050084	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	45	Dry		
121152	11/06/2011	DarcyHudson	633638	7050129	UTMZ7N_WGS84	Soil	BrownLight	Gravel	ModerateE	C	65	Dry		
121153	11/06/2011	DarcyHudson	633661	7050180	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	65	Dry		
121154	11/06/2011	DarcyHudson	633688	7050221	UTMZ7N_WGS84	Soil	Brown	Gravel	Flat	B	45	Dry		
121155	11/06/2011	DarcyHudson	633705	7050272	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	60	Dry		
121156	11/06/2011	DarcyHudson	633702	7050317	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	60	Dry		
121157	11/06/2011	DarcyHudson	633693	7050363	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	50	Dry		
121158	11/06/2011	DarcyHudson	633693	7050407	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	65	Dry		
121159	11/06/2011	DarcyHudson	633690	7050463	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	45	Moist		
121160	11/06/2011	DarcyHudson	633682	7050515	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	60			
121161	11/06/2011	DarcyHudson	633687	7050565	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateS	B	50	Dry		
121162	11/06/2011	DarcyHudson	633686	7050615	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	65	Moist		
121163	11/06/2011	DarcyHudson	633682	7050670	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	55	Dry		

Appendix D – Analytical Certificates



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 17, 2011

Report Date: June 27, 2011

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000246.1

CLIENT JOB INFORMATION

Project: Aussie-Melba
Shipment ID: 20110614090537
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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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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:

Aussie-Melba

Report Date:

June 27, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000246.1

	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
104083	Soil		0.8	107.3	6.4	94	<0.1	53.9	13.9	507	3.55	3.3	1.8	1.9	10.7	9	0.2	0.2	0.1	43	0.16	0.064		
104084	Soil		0.2	15.8	17.1	48	<0.1	19.3	7.1	680	2.00	<0.5	1.9	2.2	15.3	22	<0.1	<0.1	0.1	15	0.24	0.063		
104085	Soil		0.2	29.3	11.4	38	<0.1	5.4	4.4	423	1.56	<0.5	1.9	1.8	16.0	16	<0.1	0.2	0.1	7	0.14	0.042		
104086	Soil		1.2	49.7	72.7	131	0.1	31.1	10.2	1318	2.99	1.1	3.8	3.3	16.3	9	0.6	0.2	0.3	5	0.10	0.049		
104087	Soil		0.4	47.1	11.0	75	<0.1	54.7	17.9	777	3.45	1.4	1.1	1.6	8.0	18	0.1	0.2	0.1	52	0.36	0.068		
104088	Soil		0.7	45.7	5.8	74	0.1	51.5	17.4	440	3.33	1.2	0.5	0.8	2.0	17	0.2	<0.1	<0.1	62	0.43	0.097		
104089	Soil		1.0	38.9	16.9	96	<0.1	39.8	14.3	486	3.30	3.9	0.8	1.6	3.4	22	0.4	0.2	0.2	57	0.35	0.076		
104090	Soil		1.3	52.6	12.5	96	<0.1	44.7	13.1	483	3.29	6.0	1.4	<0.5	6.3	17	0.4	0.3	0.2	55	0.28	0.066		
104091	Soil		0.7	46.2	6.7	102	<0.1	43.4	17.3	624	3.63	1.4	0.8	1.5	2.7	19	0.3	0.1	<0.1	56	0.38	0.098		
104092	Soil		0.8	38.8	10.0	90	<0.1	48.0	13.3	429	3.35	3.0	1.1	1.6	5.5	20	0.1	0.2	0.1	53	0.25	0.046		
104093	Soil		0.7	33.4	5.9	66	<0.1	35.4	13.7	372	3.19	3.5	0.7	2.5	3.2	14	<0.1	0.3	<0.1	59	0.22	0.035		
104094	Soil		0.4	64.3	7.1	60	<0.1	31.5	19.2	766	3.80	1.7	0.9	1.0	1.6	28	0.1	0.2	<0.1	61	0.35	0.025		
104095	Soil		0.3	30.0	3.7	97	<0.1	25.3	10.7	398	2.99	1.1	0.7	0.7	1.4	25	<0.1	0.2	<0.1	38	0.48	0.114		
104096	Soil		0.6	50.1	5.8	88	<0.1	37.7	12.8	382	3.60	3.6	1.4	2.1	3.8	24	<0.1	0.3	0.2	68	0.39	0.059		
104097	Soil		0.9	144.6	8.8	85	<0.1	50.8	29.7	915	5.21	2.9	0.9	4.7	1.7	24	0.3	0.4	0.1	110	0.42	0.085		
104098	Soil		0.5	80.1	8.4	65	<0.1	44.1	20.2	629	4.20	2.5	0.7	11.4	2.1	20	<0.1	0.4	0.1	116	0.30	0.039		
104099	Soil		1.3	64.3	14.8	78	0.2	73.9	21.5	1621	3.79	2.2	1.2	5.5	9.8	20	0.4	0.2	0.2	62	0.46	0.098		
104100	Soil		0.4	46.7	3.8	65	<0.1	106.1	26.3	738	2.41	2.3	0.6	10.2	2.0	30	<0.1	0.3	<0.1	49	0.56	0.145		
104101	Soil		0.5	46.8	5.5	50	<0.1	59.2	17.2	284	2.30	5.7	0.5	3.9	3.0	19	<0.1	0.4	0.1	51	0.25	0.053		
104102	Soil		0.4	69.8	5.1	77	<0.1	118.2	31.2	627	3.18	2.0	0.5	5.1	1.4	19	<0.1	0.3	<0.1	71	0.47	0.133		
104103	Soil		0.5	87.3	3.7	65	<0.1	119.0	30.3	560	3.50	2.3	0.5	7.2	1.3	27	<0.1	0.3	<0.1	86	0.58	0.110		
104104	Soil		0.7	46.8	13.0	72	0.1	32.1	12.0	366	2.29	6.2	1.4	5.8	6.5	27	0.3	0.7	0.2	48	0.52	0.066		
104105	Soil		0.3	7.2	27.6	69	<0.1	9.4	6.4	256	1.95	0.9	1.8	3.4	12.6	18	0.1	0.1	0.3	11	0.18	0.054		
104106	Soil		0.3	13.7	19.5	67	<0.1	17.1	7.6	373	2.31	1.5	1.6	3.1	18.1	23	<0.1	0.1	0.1	17	0.17	0.039		
104107	Soil		0.2	10.1	28.1	61	<0.1	10.0	5.7	240	1.90	<0.5	2.0	1.7	14.7	26	<0.1	0.1	0.4	10	0.20	0.036		
104108	Soil		0.2	7.0	40.0	36	<0.1	5.4	3.2	151	0.89	<0.5	2.9	2.2	17.3	27	0.2	0.1	0.2	5	0.16	0.045		
104109	Soil		1.5	10.7	24.3	41	0.2	8.5	4.4	191	1.03	3.3	4.0	2.6	15.7	6	<0.1	0.3	0.4	16	0.05	0.041		
104110	Soil		0.5	8.0	17.5	45	0.1	8.9	4.1	133	1.29	2.6	1.5	2.4	12.2	8	0.1	0.2	0.2	17	0.06	0.022		
104111	Soil		0.6	16.6	8.1	16	<0.1	19.3	6.3	106	1.11	0.5	1.8	0.9	10.6	23	<0.1	0.2	<0.1	14	0.17	0.044		
104112	Soil		0.3	13.5	30.0	79	<0.1	7.3	6.6	294	1.67	1.6	4.4	<0.5	30.6	9	<0.1	0.3	<0.1	7	0.12	0.043		



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Project: Aussie-Melba
Report Date: June 27, 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	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
104083	Soil	22	41	1.53	94	0.096	1	1.83	0.002	0.04	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
104084	Soil	24	19	0.88	97	0.085	<1	1.12	0.003	0.27	<0.1	<0.01	3.4	0.2	<0.05	4	<0.5	<0.2
104085	Soil	33	7	0.46	133	0.074	<1	0.92	0.003	0.38	<0.1	<0.01	2.4	0.2	<0.05	3	<0.5	<0.2
104086	Soil	42	24	0.43	177	0.012	<1	0.82	0.002	0.13	<0.1	0.02	3.5	<0.1	<0.05	2	<0.5	<0.2
104087	Soil	16	82	1.99	228	0.091	<1	2.36	0.004	0.27	<0.1	<0.01	4.1	0.2	<0.05	6	<0.5	<0.2
104088	Soil	5	83	2.05	216	0.111	<1	2.29	0.003	0.34	<0.1	<0.01	2.7	0.2	<0.05	6	<0.5	<0.2
104089	Soil	10	54	1.54	205	0.071	<1	2.08	0.005	0.10	<0.1	<0.01	2.8	0.1	<0.05	6	<0.5	<0.2
104090	Soil	21	55	1.19	233	0.044	<1	2.00	0.004	0.06	<0.1	0.01	4.0	0.2	<0.05	6	0.5	<0.2
104091	Soil	6	63	1.60	215	0.072	<1	2.22	0.002	0.15	<0.1	<0.01	2.3	0.1	<0.05	6	<0.5	<0.2
104092	Soil	14	67	1.60	241	0.111	<1	2.30	0.006	0.24	<0.1	<0.01	3.3	0.3	<0.05	7	<0.5	<0.2
104093	Soil	10	73	1.53	172	0.099	<1	2.11	0.004	0.06	0.1	<0.01	2.9	<0.1	<0.05	6	0.7	<0.2
104094	Soil	4	30	1.95	316	0.121	1	2.72	0.004	0.43	<0.1	<0.01	3.5	0.3	<0.05	5	<0.5	<0.2
104095	Soil	4	40	1.59	265	0.086	<1	2.05	0.003	0.20	<0.1	<0.01	3.0	0.1	<0.05	5	<0.5	<0.2
104096	Soil	11	63	1.72	314	0.127	<1	2.47	0.004	0.24	<0.1	0.02	4.7	0.3	<0.05	7	<0.5	<0.2
104097	Soil	5	54	1.88	332	0.102	<1	3.07	0.004	0.35	<0.1	0.03	5.3	0.2	<0.05	8	0.6	<0.2
104098	Soil	7	85	2.10	203	0.075	<1	2.70	0.004	0.05	<0.1	0.02	7.4	<0.1	<0.05	8	<0.5	<0.2
104099	Soil	27	91	1.68	255	0.045	<1	2.37	0.004	0.11	<0.1	<0.01	6.6	0.1	<0.05	7	<0.5	<0.2
104100	Soil	7	127	1.72	236	0.074	<1	1.91	0.003	0.13	0.2	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
104101	Soil	10	89	1.27	166	0.088	<1	1.80	0.006	0.04	0.2	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
104102	Soil	5	164	2.49	224	0.066	<1	2.43	0.004	0.14	0.2	0.01	6.1	<0.1	<0.05	6	<0.5	<0.2
104103	Soil	4	167	2.62	426	0.159	<1	2.73	0.008	0.29	0.7	<0.01	5.8	0.2	<0.05	6	<0.5	<0.2
104104	Soil	17	41	0.84	307	0.069	1	1.51	0.009	0.12	0.2	0.03	3.5	<0.1	<0.05	4	0.7	<0.2
104105	Soil	27	15	1.34	182	0.139	<1	1.43	0.003	0.47	<0.1	<0.01	1.6	0.3	<0.05	5	<0.5	<0.2
104106	Soil	46	26	1.32	156	0.159	<1	1.54	0.003	0.55	<0.1	<0.01	2.2	0.4	<0.05	6	<0.5	<0.2
104107	Soil	48	17	1.06	191	0.142	<1	1.21	0.003	0.25	<0.1	<0.01	2.0	0.2	<0.05	4	<0.5	<0.2
104108	Soil	29	8	0.44	81	0.060	<1	0.64	0.006	0.11	<0.1	<0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
104109	Soil	40	14	0.24	117	0.031	<1	0.81	0.003	0.07	<0.1	<0.01	0.9	<0.1	<0.05	3	<0.5	<0.2
104110	Soil	23	13	0.42	132	0.046	<1	1.13	0.003	0.11	<0.1	<0.01	1.3	0.1	<0.05	4	<0.5	<0.2
104111	Soil	51	17	0.35	65	0.150	<1	0.61	0.004	0.14	<0.1	<0.01	1.3	0.1	<0.05	2	<0.5	<0.2
104112	Soil	72	9	1.17	153	0.156	<1	1.33	0.003	0.39	<0.1	<0.01	1.1	0.6	<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
104113	Soil				0.4	4.2	35.1	61	<0.1	4.8	2.5	133	0.83	1.0	1.0	0.9	11.5	5	<0.1	0.2	0.2	6	0.07	0.014
104114	Soil				0.4	6.3	36.7	24	<0.1	4.0	2.1	121	0.73	1.3	2.8	1.5	11.8	45	0.4	0.3	0.2	9	0.11	0.022
104115	Soil				0.3	5.1	49.8	20	<0.1	4.5	2.3	108	0.45	<0.5	2.8	0.8	17.5	29	0.5	0.2	0.3	4	0.10	0.017
104116	Soil				0.6	12.8	35.6	63	<0.1	9.9	5.6	189	1.07	4.1	1.4	2.8	13.7	8	0.3	0.4	0.3	17	0.06	0.012
104117	Soil				0.3	6.1	42.4	39	<0.1	4.2	2.7	151	0.75	<0.5	3.6	1.2	24.2	16	0.2	0.3	0.4	4	0.12	0.024
104118	Soil				0.4	5.2	24.2	32	0.1	2.6	2.0	97	0.72	2.3	2.4	<0.5	20.5	6	0.1	0.2	0.2	5	0.05	0.021
104119	Soil				0.5	14.5	45.8	33	<0.1	3.9	1.9	99	0.71	2.2	4.5	<0.5	24.7	7	<0.1	0.3	0.1	5	0.06	0.014
104120	Soil				0.6	25.8	45.7	57	<0.1	4.9	3.0	126	0.96	3.5	4.8	0.9	24.8	8	<0.1	0.4	0.3	8	0.04	0.020
104121	Soil				0.4	10.1	8.5	66	<0.1	12.1	7.8	279	2.41	3.1	1.7	<0.5	7.4	20	<0.1	0.2	<0.1	29	0.17	0.046
104122	Soil				0.3	5.9	35.5	16	<0.1	3.5	2.2	74	0.49	1.1	2.1	1.2	13.1	36	0.2	0.1	0.2	5	0.08	0.014
104123	Soil				0.4	10.1	27.6	45	<0.1	14.8	7.1	196	1.48	4.0	0.9	13.1	12.6	13	0.1	0.2	0.2	20	0.09	0.032
104124	Soil				0.9	74.9	24.3	88	0.3	22.6	15.5	529	3.38	9.9	1.9	7.8	7.6	10	<0.1	0.6	0.2	65	0.11	0.022
104125	Soil				0.8	60.4	29.1	94	0.2	15.7	11.3	468	2.62	6.2	1.3	3.9	6.2	11	<0.1	0.4	0.2	40	0.10	0.034
104126	Soil				0.6	42.9	8.6	58	<0.1	47.9	16.5	398	3.07	3.3	0.6	0.8	2.5	22	0.1	0.3	0.1	68	0.22	0.031
104127	Soil				0.4	20.5	7.3	65	<0.1	16.2	11.7	451	2.97	1.9	0.7	0.8	3.0	16	<0.1	0.2	<0.1	53	0.24	0.041
104128	Soil				0.4	18.3	6.2	54	<0.1	12.7	9.9	335	2.53	2.0	0.6	12.0	3.7	15	<0.1	0.2	<0.1	47	0.25	0.034
104129	Soil				0.2	120.5	1.6	84	<0.1	17.6	21.6	842	5.01	0.6	0.2	3.1	0.9	16	<0.1	<0.1	<0.1	193	0.39	0.124
104130	Soil				0.3	74.9	1.4	100	0.1	37.9	27.0	697	4.78	0.9	0.2	19.5	0.5	30	<0.1	<0.1	<0.1	130	0.55	0.116
104131	Soil				0.7	37.5	5.1	74	0.1	27.9	12.1	348	2.82	3.6	0.6	1.5	3.4	17	<0.1	0.3	<0.1	56	0.27	0.070
104132	Soil				0.5	18.0	11.2	46	<0.1	13.5	6.0	198	1.84	5.1	0.9	4.2	8.0	19	<0.1	0.3	0.1	25	0.21	0.054
104133	Soil				0.2	5.4	24.4	31	<0.1	4.3	1.2	273	0.82	3.7	1.4	<0.5	9.9	18	<0.1	0.1	0.5	3	0.13	0.026
104134	Soil				0.4	11.2	14.5	28	<0.1	6.4	1.6	212	0.98	5.2	1.4	5.5	11.2	23	<0.1	0.3	0.2	7	0.19	0.009
104135	Soil				0.3	48.0	6.8	28	<0.1	20.6	8.8	212	1.53	3.7	0.5	1.0	3.4	16	<0.1	0.2	<0.1	22	0.16	0.014
104136	Soil				0.1	6.9	35.2	56	<0.1	2.5	1.7	157	1.67	1.4	1.7	0.6	25.7	11	<0.1	<0.1	0.4	3	0.14	0.011
104137	Soil				0.2	13.4	39.1	23	<0.1	1.7	1.2	106	0.85	6.6	2.2	<0.5	20.1	7	<0.1	0.1	0.2	3	0.06	0.013
104138	Soil				0.3	5.9	16.2	65	<0.1	2.5	2.1	404	1.87	<0.5	1.8	0.8	6.6	19	<0.1	<0.1	0.1	2	0.16	0.033
104139	Soil				0.4	9.0	11.6	80	<0.1	4.3	2.4	340	2.20	1.5	2.1	0.9	8.1	16	<0.1	0.1	0.1	8	0.11	0.015
104140	Soil				0.3	9.6	11.8	72	<0.1	4.5	2.4	295	2.20	1.8	1.9	1.0	7.9	15	<0.1	0.2	0.1	9	0.10	0.013
104141	Soil				0.3	7.8	14.9	58	<0.1	3.9	3.5	254	1.94	0.9	1.8	<0.5	7.1	21	<0.1	0.1	0.1	8	0.16	0.042
104142	Soil				6.3	94.9	13.8	222	0.2	87.5	18.3	941	4.99	1.1	4.0	1.0	10.2	66	0.8	0.1	0.3	176	0.48	0.102



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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
104113	Soil	16	7	0.64	95	0.057	1	1.01	0.002	0.08	<0.1	<0.01	0.9	0.1	<0.05	3	<0.5
104114	Soil	21	8	0.30	53	0.041	<1	0.57	0.002	0.07	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5
104115	Soil	30	6	0.25	53	0.030	<1	0.54	0.002	0.06	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5
104116	Soil	19	14	0.31	93	0.042	<1	0.88	0.004	0.07	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5
104117	Soil	80	7	0.37	89	0.054	<1	0.69	0.003	0.08	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5
104118	Soil	42	4	0.28	281	0.034	<1	0.69	0.002	0.07	<0.1	<0.01	0.9	0.1	<0.05	2	<0.5
104119	Soil	71	6	0.26	251	0.077	<1	0.61	0.002	0.07	<0.1	<0.01	1.2	0.1	<0.05	2	<0.5
104120	Soil	57	6	0.25	222	0.055	<1	0.73	0.002	0.07	<0.1	<0.01	1.0	0.1	<0.05	2	<0.5
104121	Soil	11	19	0.84	194	0.128	<1	1.41	0.004	0.34	<0.1	<0.01	2.2	0.2	<0.05	6	<0.5
104122	Soil	28	7	0.17	55	0.041	<1	0.50	0.001	0.06	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5
104123	Soil	20	17	0.54	128	0.081	<1	1.08	0.003	0.19	<0.1	0.01	1.6	0.2	<0.05	3	<0.5
104124	Soil	21	32	1.32	272	0.085	<1	2.05	0.005	0.07	<0.1	0.04	5.8	0.1	<0.05	6	<0.5
104125	Soil	20	27	1.05	158	0.043	<1	1.62	0.010	0.07	<0.1	<0.01	2.5	0.1	<0.05	5	<0.5
104126	Soil	8	93	1.55	158	0.113	<1	1.99	0.003	0.04	<0.1	<0.01	3.3	<0.1	<0.05	6	<0.5
104127	Soil	10	24	1.46	227	0.104	<1	1.97	0.004	0.33	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5
104128	Soil	9	19	1.25	205	0.087	<1	1.77	0.003	0.15	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5
104129	Soil	2	38	2.75	563	0.229	<1	2.98	0.003	1.13	0.1	<0.01	17.5	0.1	<0.05	12	<0.5
104130	Soil	1	60	2.99	340	0.157	<1	3.14	0.004	0.71	<0.1	<0.01	3.9	0.1	<0.05	10	<0.5
104131	Soil	11	39	1.33	149	0.074	<1	1.75	0.004	0.06	0.1	0.01	3.1	<0.1	<0.05	5	<0.5
104132	Soil	19	16	0.55	212	0.071	<1	1.12	0.003	0.21	0.1	<0.01	2.1	0.2	<0.05	3	<0.5
104133	Soil	22	4	0.11	91	0.019	<1	0.50	0.002	0.16	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5
104134	Soil	23	6	0.16	179	0.017	<1	0.64	0.005	0.14	<0.1	0.01	1.8	<0.1	<0.05	3	<0.5
104135	Soil	7	36	0.66	137	0.063	<1	1.03	0.003	0.04	<0.1	0.01	2.8	<0.1	<0.05	3	<0.5
104136	Soil	48	1	1.06	145	0.078	<1	1.31	0.002	0.46	<0.1	0.01	2.7	0.2	<0.05	4	<0.5
104137	Soil	32	2	0.24	89	0.046	<1	0.53	0.002	0.21	<0.1	<0.01	2.0	0.1	<0.05	2	<0.5
104138	Soil	13	2	0.54	169	0.080	<1	1.02	0.002	0.43	<0.1	<0.01	2.2	0.3	<0.05	4	<0.5
104139	Soil	15	6	0.68	148	0.083	<1	1.30	0.003	0.09	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5
104140	Soil	15	6	0.61	124	0.080	<1	1.31	0.002	0.07	<0.1	<0.01	1.9	<0.1	<0.05	5	<0.5
104141	Soil	13	4	0.49	176	0.087	<1	1.13	0.003	0.43	<0.1	<0.01	2.3	0.2	0.07	4	<0.5
104142	Soil	30	92	2.22	507	0.081	<1	4.06	0.032	0.69	<0.1	0.02	8.9	0.6	0.16	13	2.3



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
104143	Soil	1.1	76.2	13.5	104	0.2	56.9	12.6	230	3.67	4.3	0.9	<0.5	8.5	48	0.1	0.3	0.2	88	0.18	0.079
104144	Soil	0.7	79.8	9.1	56	<0.1	83.5	22.0	789	3.36	0.6	1.0	<0.5	2.3	65	<0.1	<0.1	0.1	106	0.57	0.080
104145	Soil	1.4	74.9	11.4	156	0.1	47.2	10.0	117	3.34	2.0	2.8	0.7	14.3	41	0.6	0.1	0.2	75	0.12	0.051
104146	Soil	0.6	113.0	6.1	71	<0.1	51.5	32.9	624	5.59	4.6	0.5	<0.5	0.8	45	0.1	0.2	<0.1	226	0.69	0.103
104147	Soil	1.6	56.5	13.9	86	0.2	28.4	12.9	590	3.27	14.0	1.5	1.0	7.1	12	<0.1	0.4	0.6	64	0.10	0.115
104148	Soil	1.7	52.3	12.3	68	0.2	30.6	9.3	339	2.90	10.9	0.9	1.9	4.5	12	<0.1	0.5	0.4	63	0.10	0.036
104149	Soil	0.9	46.3	19.7	107	0.1	39.5	11.8	337	3.63	2.5	1.6	<0.5	7.2	20	0.1	0.2	0.2	97	0.40	0.046
104150	Soil	0.9	41.0	11.6	72	0.1	24.8	9.0	260	2.27	6.8	0.9	5.1	4.6	20	0.2	0.7	0.2	53	0.28	0.068
104151	Soil	0.8	29.5	8.9	62	<0.1	24.4	8.1	370	2.04	7.9	0.5	22.0	4.5	23	0.1	0.8	0.2	41	0.31	0.072
104152	Soil	0.8	27.9	10.7	61	0.1	24.5	8.3	315	2.08	9.9	0.6	5.6	4.5	23	<0.1	0.9	0.1	37	0.36	0.063
104153	Soil	0.9	30.7	10.7	59	0.1	25.6	8.3	314	2.16	11.0	0.5	3.8	4.3	20	0.2	1.0	0.2	37	0.35	0.058
104154	Soil	0.8	33.7	10.5	64	0.1	26.5	9.6	352	2.31	10.9	0.5	3.4	4.4	23	0.2	0.8	0.2	42	0.36	0.055
104155	Soil	0.9	30.7	10.1	62	0.1	23.5	8.9	301	2.24	10.1	0.5	4.0	4.3	24	0.2	0.8	0.2	43	0.36	0.056
104156	Soil	1.2	35.0	12.3	89	0.2	28.2	9.8	348	2.47	12.4	0.7	3.2	5.3	23	0.5	1.1	0.2	40	0.30	0.075
107095	Soil	5.2	84.7	6.4	152	0.1	101.9	23.8	797	5.45	2.8	1.0	1.4	2.8	5	0.6	0.2	<0.1	64	0.13	0.047
107096	Soil	0.2	39.2	2.3	39	<0.1	41.1	14.0	453	2.78	1.9	0.2	1.2	0.5	11	<0.1	0.1	<0.1	45	0.18	0.031
107097	Soil	2.4	66.9	42.8	89	0.5	49.4	12.4	590	3.24	5.3	1.0	1.2	12.2	3	0.2	0.4	0.7	34	0.03	0.020
107098	Soil	9.2	222.6	53.2	130	0.3	106.2	20.9	1188	3.45	52.4	3.9	2.9	15.3	14	0.2	0.7	0.7	69	0.03	0.040
107099	Soil	1.5	74.6	9.9	115	<0.1	83.8	21.3	676	4.26	4.5	1.2	<0.5	5.5	7	0.3	0.2	0.2	54	0.19	0.087
107100	Soil	6.3	98.8	15.1	198	0.1	76.4	13.5	653	4.32	4.5	1.6	2.3	7.0	12	0.7	0.4	0.2	74	0.11	0.046
107101	Soil	15.5	117.8	46.6	138	0.5	43.6	9.2	333	4.10	<0.5	4.6	3.9	6.5	20	0.6	0.2	0.8	62	0.09	0.044
107102	Soil	4.7	92.9	8.8	185	0.2	94.9	29.5	1292	4.02	2.3	1.1	2.2	4.6	13	0.6	0.2	0.1	62	0.24	0.098
107103	Soil	0.5	36.5	39.9	118	<0.1	36.8	11.7	548	2.96	2.2	2.5	1.7	38.4	9	0.1	0.3	0.7	29	0.08	0.016
107104	Soil	2.8	110.0	31.5	220	<0.1	67.9	17.8	470	4.07	6.9	3.1	1.9	9.4	25	0.8	0.1	0.3	62	0.48	0.158
107105	Soil	5.2	106.9	31.4	182	<0.1	96.7	27.1	555	4.39	1.5	3.3	3.2	6.4	17	0.8	0.1	0.5	45	0.43	0.158
107106	Soil	1.5	78.9	27.7	253	0.1	74.6	23.0	777	4.07	3.3	2.0	1.0	15.8	7	0.4	0.7	0.2	46	0.09	0.040
107107	Soil	0.4	11.7	2.1	52	<0.1	28.0	7.0	266	1.93	1.5	0.6	2.0	2.1	10	<0.1	<0.1	<0.1	9	0.13	0.012
107108	Soil	3.2	54.4	16.9	150	<0.1	74.4	17.0	642	2.99	4.6	1.8	1.5	6.7	6	0.3	<0.1	0.2	37	0.13	0.030
107109	Soil	0.3	27.6	9.8	90	<0.1	14.6	6.8	319	2.91	1.1	2.3	1.0	10.6	6	0.2	<0.1	0.1	21	0.13	0.050
107110	Soil	0.2	70.3	4.4	51	<0.1	15.8	17.2	416	3.19	0.8	0.4	2.3	1.1	27	<0.1	<0.1	<0.1	60	0.22	0.018



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
104143	Soil	10	73	0.93	227	0.034	<1	2.74	0.003	0.18	<0.1	0.01	3.7	0.2	<0.05	9	<0.5
104144	Soil	7	126	1.56	852	0.128	<1	2.55	0.016	0.43	<0.1	0.01	10.1	0.3	<0.05	8	<0.5
104145	Soil	38	46	0.87	736	0.073	<1	1.94	0.005	0.28	<0.1	0.01	4.7	0.3	<0.05	6	1.4
104146	Soil	4	88	1.53	250	0.078	<1	2.76	0.027	0.02	0.1	<0.01	19.0	<0.1	<0.05	11	<0.5
104147	Soil	19	45	0.72	154	0.046	<1	1.87	0.004	0.09	<0.1	<0.01	2.9	<0.1	<0.05	7	<0.5
104148	Soil	12	47	0.63	154	0.055	<1	1.75	0.006	0.04	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5
104149	Soil	21	76	1.22	286	0.112	<1	2.17	0.011	0.15	<0.1	0.01	5.5	0.1	<0.05	9	<0.5
104150	Soil	14	35	0.56	294	0.065	<1	1.23	0.008	0.08	0.2	0.03	3.4	<0.1	<0.05	4	<0.5
104151	Soil	14	23	0.41	305	0.049	<1	0.92	0.012	0.05	0.4	0.05	2.9	<0.1	<0.05	3	<0.5
104152	Soil	13	22	0.41	370	0.035	<1	1.03	0.010	0.05	0.2	0.05	2.6	<0.1	<0.05	3	<0.5
104153	Soil	13	25	0.44	388	0.041	1	1.08	0.010	0.04	0.2	0.04	2.5	<0.1	<0.05	3	<0.5
104154	Soil	13	24	0.48	340	0.058	1	1.19	0.014	0.06	0.2	0.04	3.0	<0.1	<0.05	4	0.5
104155	Soil	12	25	0.45	369	0.067	<1	1.23	0.014	0.07	0.2	0.04	2.9	<0.1	<0.05	4	<0.5
104156	Soil	14	27	0.46	397	0.057	1	1.13	0.012	0.08	0.2	0.04	3.2	<0.1	<0.05	3	<0.5
107095	Soil	17	122	2.15	202	0.126	<1	2.89	0.003	0.08	<0.1	0.01	6.4	0.3	<0.05	7	1.9
107096	Soil	2	83	1.84	34	0.101	<1	1.95	0.002	0.01	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5
107097	Soil	30	42	1.28	195	0.009	<1	2.16	0.003	0.04	<0.1	0.01	2.4	0.1	<0.05	6	1.0
107098	Soil	46	50	1.31	238	0.025	<1	2.23	0.003	0.04	0.1	0.04	2.9	0.1	<0.05	6	1.2
107099	Soil	8	89	1.81	212	0.107	<1	2.54	0.002	0.04	<0.1	<0.01	4.3	0.3	<0.05	6	0.6
107100	Soil	24	72	1.55	223	0.015	<1	2.45	0.005	0.06	<0.1	0.04	4.1	0.1	<0.05	6	1.4
107101	Soil	27	79	1.86	162	0.203	<1	2.34	0.004	0.06	<0.1	<0.01	3.7	0.2	0.06	6	5.4
107102	Soil	19	80	1.73	195	0.053	<1	2.38	0.003	0.06	<0.1	0.02	3.8	0.2	<0.05	6	1.6
107103	Soil	53	25	1.68	278	0.010	<1	2.37	0.005	0.06	<0.1	0.03	3.8	0.2	<0.05	8	0.6
107104	Soil	20	41	1.61	172	0.005	<1	2.20	0.003	0.04	<0.1	<0.01	2.4	<0.1	<0.05	7	1.3
107105	Soil	24	68	1.82	96	0.023	<1	2.15	0.001	0.03	<0.1	<0.01	2.6	0.2	<0.05	6	0.7
107106	Soil	42	49	1.72	235	0.019	<1	2.42	0.003	0.04	<0.1	0.02	3.4	0.2	<0.05	6	1.3
107107	Soil	4	10	1.05	60	0.083	<1	1.46	0.005	0.03	<0.1	<0.01	0.9	<0.1	<0.05	3	<0.5
107108	Soil	18	60	1.50	171	0.075	<1	1.78	0.003	0.02	<0.1	<0.01	2.8	<0.1	<0.05	5	0.9
107109	Soil	37	10	1.33	119	0.046	<1	1.80	0.002	0.03	<0.1	<0.01	2.7	<0.1	<0.05	6	<0.5
107110	Soil	2	22	1.58	177	0.127	<1	2.11	0.002	0.30	<0.1	<0.01	1.8	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 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
107111	Soil	<0.1	21.8	6.8	117	<0.1	43.8	5.7	252	3.06	0.7	0.8	0.6	7.4	7	0.1	0.1	<0.1	21	0.10	0.027
107112	Soil	<0.1	27.6	4.5	58	<0.1	5.6	3.1	331	1.91	0.6	1.0	1.5	5.1	10	<0.1	<0.1	<0.1	22	0.16	0.022
107113	Soil	<0.1	85.6	1.3	33	<0.1	82.6	24.3	749	2.72	0.8	<0.1	4.1	0.2	12	<0.1	<0.1	<0.1	54	0.30	0.044
107114	Soil	<0.1	16.1	5.4	64	<0.1	32.1	4.8	47	1.17	1.3	0.3	0.9	14.4	7	<0.1	0.1	<0.1	15	0.11	0.008
107115	Soil	0.2	24.3	6.4	84	<0.1	39.1	7.7	223	1.89	1.2	0.7	2.4	22.4	9	<0.1	0.1	<0.1	28	0.18	0.018
107116	Soil	0.4	36.6	14.3	110	<0.1	25.4	5.7	356	2.27	2.2	1.0	4.3	12.2	7	0.1	0.2	0.1	25	0.12	0.025
107117	Soil	0.4	28.9	3.5	99	<0.1	15.0	13.9	748	5.58	1.4	1.1	1.6	5.2	13	0.2	0.2	<0.1	49	0.19	0.057
107118	Soil	0.5	140.8	3.5	106	<0.1	22.1	35.3	1268	4.89	3.1	0.5	2.8	1.2	19	<0.1	0.2	<0.1	115	0.35	0.112
107119	Soil	0.4	20.3	2.2	101	<0.1	10.1	5.6	512	2.46	1.8	0.8	4.0	1.4	17	<0.1	0.3	<0.1	15	0.21	0.016
107120	Soil	0.6	35.1	6.8	79	<0.1	19.8	11.0	478	3.10	6.4	0.8	2.9	3.2	17	<0.1	0.5	0.1	50	0.19	0.029
107121	Soil	0.7	37.2	9.2	64	<0.1	22.3	11.5	472	2.60	10.1	0.5	3.7	4.2	23	0.1	0.8	0.2	46	0.30	0.058
107122	Soil	0.7	42.4	8.4	68	<0.1	23.9	10.7	540	2.94	11.3	0.6	9.7	4.6	23	<0.1	0.8	0.1	47	0.31	0.059
107123	Soil	0.9	28.6	9.9	75	<0.1	23.3	9.8	470	2.44	8.9	0.7	4.8	4.6	27	0.3	0.8	0.2	43	0.35	0.061
107124	Soil	0.6	25.1	9.0	68	<0.1	19.7	7.5	372	2.32	6.7	0.5	3.9	4.5	24	<0.1	0.6	0.1	36	0.29	0.041
107125	Soil	0.9	23.6	8.9	63	<0.1	18.6	7.3	328	2.26	5.6	0.7	14.1	4.9	20	0.1	0.6	0.1	35	0.25	0.036
107126	Soil	1.0	77.0	7.2	67	<0.1	78.9	28.8	621	4.30	10.4	0.6	3.3	2.3	17	0.1	0.4	<0.1	84	0.36	0.031
107127	Soil	0.3	6.9	30.4	51	<0.1	3.3	1.9	112	1.78	5.7	1.1	1.6	17.9	11	<0.1	0.1	0.3	5	0.06	0.006
107128	Soil	0.3	5.4	19.6	33	<0.1	2.2	2.2	101	1.14	6.3	1.0	<0.5	12.2	11	<0.1	<0.1	0.2	5	0.06	0.013
107129	Soil	1.1	31.9	23.7	60	<0.1	23.5	8.3	406	2.50	5.8	0.8	3.4	7.3	19	<0.1	0.4	0.2	38	0.26	0.018
107130	Soil	1.2	67.3	19.0	79	<0.1	48.8	18.6	876	4.56	11.5	1.2	2.2	5.7	14	0.1	0.3	0.2	109	0.26	0.042
107131	Soil	0.5	60.6	4.8	73	<0.1	12.1	25.0	607	5.35	1.1	0.4	2.2	1.7	23	<0.1	0.2	<0.1	156	0.31	0.023
107132	Soil	0.5	6.3	7.0	84	<0.1	3.4	1.9	387	2.00	0.5	0.5	1.4	2.5	24	<0.1	0.2	<0.1	7	0.25	0.021
107133	Soil	0.3	7.9	4.7	54	<0.1	3.5	1.4	170	1.34	3.6	0.6	0.9	2.5	13	<0.1	0.2	<0.1	7	0.14	0.010
107134	Soil	0.8	17.1	9.1	85	<0.1	13.5	17.5	956	4.79	6.4	0.4	<0.5	2.3	19	<0.1	0.4	<0.1	120	0.23	0.064
107135	Soil	0.4	4.5	4.5	77	<0.1	3.2	3.9	292	2.41	<0.5	0.3	0.5	1.5	15	<0.1	<0.1	<0.1	46	0.15	0.021
107136	Soil	0.3	95.2	2.1	54	<0.1	28.7	21.7	647	3.31	1.6	0.2	0.5	0.7	16	<0.1	0.2	<0.1	66	0.33	0.037
107137	Soil	2.1	16.5	40.2	70	0.4	10.4	6.1	334	2.31	1.7	2.3	1.1	14.0	39	0.2	0.2	0.4	16	0.23	0.068
107138	Soil	0.5	6.0	26.0	57	0.4	6.6	4.5	183	1.78	1.7	0.9	<0.5	13.7	11	<0.1	0.1	0.2	13	0.15	0.017
107139	Soil	1.6	56.7	12.6	91	0.2	45.0	18.0	543	3.93	8.6	1.9	3.6	5.3	22	0.2	0.5	0.2	96	0.44	0.072
107140	Soil	1.7	64.3	18.2	96	0.2	53.0	18.7	526	4.07	8.9	1.7	3.1	5.4	21	0.2	0.5	0.2	98	0.45	0.089



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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
107111	Soil	27	23	0.92	138	0.051	<1	1.65	0.003	0.04	<0.1	<0.01	5.3	<0.1	<0.05	8	<0.5	<0.2
107112	Soil	18	7	0.52	132	0.052	<1	0.99	0.003	0.05	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
107113	Soil	<1	168	2.75	54	0.063	<1	2.29	0.001	0.02	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
107114	Soil	31	6	0.67	102	0.028	<1	0.94	0.005	0.08	<0.1	0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
107115	Soil	31	11	1.26	114	0.040	<1	1.38	0.003	0.09	<0.1	0.02	2.5	<0.1	<0.05	4	0.7	<0.2
107116	Soil	25	32	1.08	103	0.038	<1	1.54	0.002	0.03	<0.1	0.02	3.6	<0.1	<0.05	5	1.0	<0.2
107117	Soil	18	32	2.09	150	0.009	<1	3.21	0.003	0.04	<0.1	0.01	5.5	<0.1	<0.05	9	0.8	<0.2
107118	Soil	5	14	2.55	121	0.078	<1	3.17	0.003	0.03	<0.1	0.01	6.4	<0.1	<0.05	10	<0.5	<0.2
107119	Soil	4	12	1.46	95	0.098	<1	1.92	0.003	0.02	<0.1	<0.01	2.2	<0.1	<0.05	5	0.7	<0.2
107120	Soil	10	25	1.09	234	0.071	<1	2.05	0.010	0.05	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
107121	Soil	12	21	0.68	266	0.055	<1	1.35	0.012	0.05	0.1	0.02	3.0	<0.1	<0.05	4	0.5	<0.2
107122	Soil	13	23	0.75	300	0.060	<1	1.62	0.011	0.06	0.2	0.03	4.1	<0.1	<0.05	5	0.9	<0.2
107123	Soil	14	25	0.54	312	0.065	<1	1.30	0.015	0.07	0.2	0.03	3.2	<0.1	<0.05	4	0.6	<0.2
107124	Soil	15	24	0.63	272	0.066	<1	1.45	0.011	0.07	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
107125	Soil	15	24	0.54	258	0.063	<1	1.31	0.009	0.10	<0.1	0.03	3.4	<0.1	<0.05	4	0.6	<0.2
107126	Soil	5	159	1.48	175	0.085	<1	2.55	0.007	0.12	<0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
107127	Soil	21	3	0.39	130	0.063	<1	0.95	0.003	0.35	<0.1	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
107128	Soil	18	3	0.26	70	0.054	<1	0.67	<0.001	0.21	<0.1	<0.01	2.0	0.2	<0.05	4	<0.5	<0.2
107129	Soil	15	38	0.72	193	0.051	<1	1.76	0.008	0.07	<0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
107130	Soil	10	80	1.89	182	0.047	<1	2.84	0.004	0.11	<0.1	0.03	10.8	0.1	<0.05	10	<0.5	<0.2
107131	Soil	3	12	1.73	300	0.188	<1	2.58	0.010	0.81	<0.1	<0.01	4.9	0.2	<0.05	7	<0.5	<0.2
107132	Soil	6	6	0.55	133	0.037	<1	1.36	0.003	0.08	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
107133	Soil	5	5	0.18	159	0.052	<1	0.77	0.003	0.10	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
107134	Soil	4	17	1.12	265	0.068	<1	2.29	0.008	0.15	0.1	0.01	4.5	<0.1	<0.05	9	<0.5	<0.2
107135	Soil	2	4	0.50	128	0.064	<1	1.18	0.003	0.26	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
107136	Soil	2	36	1.91	108	0.099	<1	2.14	0.002	0.06	<0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
107137	Soil	21	20	1.43	244	0.133	<1	1.53	0.005	0.63	<0.1	<0.01	2.6	0.5	0.07	6	<0.5	<0.2
107138	Soil	18	10	1.08	193	0.099	<1	1.37	0.005	0.74	<0.1	<0.01	1.3	0.4	<0.05	5	<0.5	<0.2
107139	Soil	13	55	0.82	355	0.075	<1	2.24	0.014	0.11	<0.1	0.02	5.6	<0.1	<0.05	8	0.7	<0.2
107140	Soil	14	64	0.89	336	0.080	<1	2.38	0.013	0.15	0.1	0.02	6.0	<0.1	<0.05	9	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
		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
107141	Soil	1.3	55.8	12.0	91	0.1	42.3	16.3	480	3.35	7.6	1.4	1.7	4.9	15	0.2	0.5	0.2	82	0.31
107142	Soil	1.2	33.1	9.4	62	<0.1	28.5	8.9	228	2.53	8.3	0.9	3.5	4.5	16	<0.1	0.4	0.1	55	0.28
107143	Soil	1.6	48.1	14.5	86	<0.1	38.7	14.3	460	3.33	11.1	0.8	3.2	4.9	20	0.3	0.8	0.2	65	0.29
107144	Soil	1.2	39.0	9.6	65	<0.1	29.0	8.6	257	2.51	7.1	1.1	7.1	4.6	16	<0.1	0.6	0.1	52	0.25
107145	Soil	0.8	123.4	4.1	54	<0.1	82.0	15.2	488	3.28	1.1	0.8	2.0	2.6	13	<0.1	<0.1	<0.1	86	0.44
107146	Soil	1.2	54.0	12.3	88	0.1	62.5	16.4	508	3.62	7.2	1.3	2.4	6.4	20	0.1	0.5	0.1	83	0.36
107147	Soil	1.3	62.8	9.4	83	0.2	43.2	18.4	559	3.43	3.3	1.6	1.7	3.6	15	0.2	0.3	0.1	93	0.42
107148	Soil	1.9	49.9	13.3	110	0.3	39.7	12.7	438	3.06	11.7	0.7	4.4	5.4	28	0.3	0.8	0.2	59	1.11
107149	Soil	1.7	56.5	13.4	107	0.2	42.9	11.6	384	3.24	9.7	1.2	5.2	6.4	19	0.3	0.7	0.2	65	0.33
107150	Soil	1.4	36.9	15.7	100	0.2	33.6	10.3	485	2.76	12.4	0.7	3.1	5.4	24	0.4	0.9	0.2	40	0.38
107151	Soil	0.6	107.2	18.2	99	0.2	59.3	20.2	760	5.34	7.9	1.0	2.8	8.9	12	0.1	0.3	<0.1	153	0.39
107152	Soil	1.5	75.9	11.5	111	<0.1	158.9	18.8	731	4.27	9.1	1.0	1.7	6.2	8	0.1	0.2	0.2	112	0.39
107153	Soil	2.6	57.2	18.0	116	<0.1	236.0	36.7	1190	6.66	11.3	1.1	<0.5	4.9	11	0.3	<0.1	<0.1	250	0.44
107154	Soil	1.1	32.3	12.5	78	0.2	41.6	13.1	332	3.49	6.3	1.0	1.1	6.7	17	0.2	0.3	0.1	79	0.30
107155	Soil	0.8	45.4	11.4	102	<0.1	54.4	15.8	388	4.39	3.1	1.1	1.2	7.1	21	0.1	0.2	<0.1	105	0.41
107156	Soil	0.9	56.5	13.9	65	<0.1	101.8	20.0	659	4.28	2.4	1.3	2.2	7.0	14	<0.1	0.2	<0.1	117	0.43
107157	Soil	1.1	62.2	7.2	118	0.2	31.4	18.5	572	6.03	1.3	1.0	<0.5	1.7	15	<0.1	<0.1	<0.1	120	0.38
107158	Soil	2.6	88.9	8.3	82	<0.1	76.5	26.8	756	4.27	1.4	0.5	0.7	1.9	11	0.4	<0.1	<0.1	144	0.26
107159	Soil	0.8	53.3	8.4	68	<0.1	135.7	21.0	699	4.24	1.0	0.9	<0.5	2.5	15	0.1	0.1	<0.1	124	0.30
107160	Soil	1.2	56.6	12.2	139	<0.1	77.4	17.9	843	4.45	4.0	2.0	<0.5	12.6	24	0.3	0.1	0.1	97	0.48
107161	Soil	1.2	39.4	11.0	70	<0.1	31.3	10.0	341	2.66	9.1	1.0	2.1	5.3	27	0.1	0.7	0.2	60	0.30
107162	Soil	1.3	31.6	11.2	71	0.1	25.8	7.9	333	2.29	8.5	1.1	2.9	4.7	26	0.2	0.8	0.2	47	0.32
107163	Soil	1.4	37.7	11.7	83	0.2	30.2	11.2	391	2.65	9.9	1.0	20.3	5.0	31	0.3	0.9	0.2	53	0.41
107164	Soil	0.9	26.4	9.1	60	0.1	21.2	6.5	223	2.09	7.4	0.8	3.4	4.4	25	0.2	0.7	0.2	42	0.32
107165	Soil	0.9	25.3	8.1	57	0.1	20.4	6.3	201	1.99	7.0	0.8	2.6	4.0	24	<0.1	0.5	0.2	39	0.31
107166	Soil	0.8	30.7	9.3	66	<0.1	23.6	6.8	196	2.22	6.5	1.1	2.4	4.6	28	0.1	0.6	0.2	52	0.35
107167	Soil	0.8	23.3	9.1	57	<0.1	20.4	7.6	204	2.12	7.3	1.1	6.4	4.1	28	0.1	0.6	0.2	43	0.37
107168	Soil	0.9	26.4	9.1	59	<0.1	23.9	7.3	192	2.17	7.6	1.0	3.7	4.3	26	0.1	0.6	0.2	45	0.36
107169	Soil	1.0	32.1	10.9	60	0.1	27.4	13.3	591	2.36	10.3	7.3	3.6	2.4	45	0.4	0.9	0.2	43	0.63
107170	Soil	0.8	30.9	9.9	54	0.1	25.5	8.1	235	2.25	8.9	2.3	3.1	4.0	31	0.2	0.6	0.2	44	0.42



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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
107141	Soil	11	54	0.79	271	0.072	<1	1.84	0.012	0.05	0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
107142	Soil	12	38	0.57	242	0.045	<1	1.35	0.010	0.04	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
107143	Soil	12	43	0.63	321	0.060	<1	1.58	0.014	0.05	0.2	0.04	4.3	<0.1	<0.05	6	<0.5	<0.2
107144	Soil	11	35	0.54	274	0.045	<1	1.31	0.010	0.04	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
107145	Soil	4	119	1.29	542	0.150	<1	2.15	0.014	0.78	<0.1	<0.01	3.9	0.3	<0.05	6	<0.5	<0.2
107146	Soil	13	97	1.33	416	0.113	<1	2.37	0.013	0.24	<0.1	0.02	5.9	0.2	<0.05	8	<0.5	<0.2
107147	Soil	8	61	0.90	254	0.100	<1	1.85	0.014	0.10	<0.1	<0.01	5.4	<0.1	<0.05	7	<0.5	<0.2
107148	Soil	12	37	0.72	430	0.051	<1	1.49	0.014	0.06	0.2	0.04	3.4	<0.1	<0.05	5	0.6	<0.2
107149	Soil	15	43	0.75	401	0.052	<1	1.66	0.011	0.07	0.1	0.05	4.0	<0.1	<0.05	6	0.6	<0.2
107150	Soil	12	26	0.53	496	0.041	1	1.09	0.014	0.06	0.2	0.05	2.5	<0.1	<0.05	4	0.8	<0.2
107151	Soil	16	96	2.33	332	0.138	<1	2.98	0.010	0.42	<0.1	0.04	10.4	0.2	<0.05	12	0.6	<0.2
107152	Soil	10	212	3.19	239	0.153	<1	3.36	0.006	0.27	<0.1	<0.01	10.8	0.3	<0.05	11	0.7	<0.2
107153	Soil	7	521	4.60	318	0.166	<1	4.76	0.007	0.49	0.2	<0.01	17.6	0.3	<0.05	17	<0.5	<0.2
107154	Soil	11	84	1.51	419	0.139	<1	2.45	0.009	0.68	0.1	0.01	5.8	0.3	<0.05	9	<0.5	<0.2
107155	Soil	17	107	2.02	367	0.106	<1	3.03	0.009	0.15	<0.1	<0.01	6.6	0.1	<0.05	12	<0.5	<0.2
107156	Soil	13	168	3.09	352	0.180	<1	3.36	0.008	0.33	0.2	0.03	10.8	0.2	<0.05	11	<0.5	<0.2
107157	Soil	5	44	2.50	754	0.260	<1	3.65	0.011	2.01	<0.1	<0.01	3.2	0.9	<0.05	8	0.7	<0.2
107158	Soil	5	127	2.64	458	0.152	<1	3.18	0.008	0.60	0.1	<0.01	10.6	0.3	<0.05	9	1.1	<0.2
107159	Soil	6	201	2.53	454	0.125	<1	3.11	0.005	0.34	<0.1	<0.01	9.4	0.2	<0.05	10	<0.5	<0.2
107160	Soil	20	117	2.30	374	0.093	<1	3.22	0.011	0.25	<0.1	0.02	8.9	0.2	<0.05	11	0.7	<0.2
107161	Soil	16	41	0.60	390	0.069	<1	1.49	0.011	0.06	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
107162	Soil	15	30	0.47	361	0.046	<1	1.17	0.011	0.04	0.3	0.03	2.9	<0.1	<0.05	3	0.5	<0.2
107163	Soil	16	33	0.55	482	0.054	<1	1.37	0.014	0.05	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
107164	Soil	13	26	0.43	368	0.048	<1	1.15	0.011	0.04	0.2	0.02	2.8	<0.1	<0.05	3	0.6	<0.2
107165	Soil	13	24	0.41	343	0.049	<1	1.12	0.011	0.04	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
107166	Soil	15	33	0.54	350	0.067	<1	1.35	0.012	0.04	0.2	0.02	3.2	<0.1	<0.05	4	0.5	<0.2
107167	Soil	15	27	0.47	311	0.046	<1	1.33	0.010	0.04	0.3	0.05	2.7	<0.1	<0.05	3	<0.5	<0.2
107168	Soil	15	28	0.52	275	0.053	<1	1.32	0.011	0.05	0.3	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
107169	Soil	15	27	0.45	474	0.032	1	1.33	0.011	0.04	0.2	0.04	2.9	<0.1	<0.05	4	1.8	<0.2
107170	Soil	15	28	0.46	380	0.043	<1	1.38	0.011	0.05	0.2	0.04	3.2	<0.1	<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	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
107171	Soil	1.2	32.4	12.0	71	0.2	28.5	10.6	348	2.67	11.1	2.2	3.3	4.9	34	0.2	0.9	0.2	53	0.41	0.067
107172	Soil	1.1	36.8	11.6	72	0.1	32.2	13.2	299	2.95	6.5	1.8	2.6	4.3	28	0.1	0.5	0.2	66	0.37	0.047
107173	Soil	1.5	46.7	14.8	97	<0.1	32.8	10.2	325	3.23	14.1	1.0	1.3	4.4	9	0.2	0.7	0.3	73	0.07	0.049
107174	Soil	0.7	31.6	10.1	47	<0.1	21.9	8.6	249	2.43	10.3	0.7	3.3	4.2	11	0.1	0.7	0.2	48	0.14	0.021
107175	Soil	0.9	32.7	10.0	49	<0.1	21.8	9.0	236	2.70	11.6	0.7	1.8	4.7	10	<0.1	0.7	0.2	57	0.11	0.029
107176	Soil	0.8	67.6	7.4	40	<0.1	18.8	9.8	286	2.18	8.3	1.0	3.7	3.7	11	<0.1	0.6	0.1	48	0.17	0.020
107177	Soil	1.2	46.7	9.5	45	<0.1	16.5	7.9	255	2.42	8.7	1.0	2.4	4.1	9	<0.1	0.6	0.2	58	0.10	0.017
107178	Soil	0.9	49.2	7.5	52	0.3	26.8	10.8	280	3.00	10.2	0.4	2.6	2.9	14	<0.1	0.7	0.1	70	0.17	0.038
107179	Soil	2.5	79.7	27.6	240	0.5	97.8	27.8	541	5.10	9.2	1.4	1.8	5.7	12	0.7	0.4	0.3	101	0.08	0.060
107180	Soil	1.8	93.5	14.7	192	<0.1	74.4	14.7	246	3.93	7.0	2.8	3.0	5.8	27	0.3	0.5	0.3	92	0.28	0.108
107181	Soil	0.5	85.7	14.3	43	0.2	37.9	14.9	424	2.38	2.4	0.6	10.3	1.3	20	0.1	0.3	0.2	82	0.27	0.013
107182	Soil	1.4	28.1	11.4	69	0.3	29.1	11.9	333	3.07	8.9	1.2	2.2	4.7	16	0.1	0.6	0.2	71	0.15	0.027
107183	Soil	2.1	71.2	13.2	103	0.2	26.3	8.6	251	3.32	6.6	1.5	1.4	6.9	12	0.6	0.4	0.2	70	0.07	0.056
107184	Soil	2.4	83.3	12.1	246	0.2	72.9	18.7	580	5.35	7.2	1.2	1.4	5.9	14	1.8	0.4	0.2	182	0.25	0.126
107185	Soil	1.0	39.9	10.3	78	<0.1	44.9	13.2	424	3.08	8.0	1.3	4.0	4.7	18	0.2	0.5	0.1	84	0.29	0.044
107186	Soil	0.9	19.8	9.0	53	<0.1	17.4	5.8	213	2.22	7.7	0.8	2.4	5.3	16	0.1	0.5	0.1	42	0.16	0.016
107187	Soil	2.2	33.5	12.0	155	<0.1	7.5	5.2	1103	4.31	3.9	1.3	0.5	9.8	10	0.3	0.2	0.2	16	0.08	0.058
107188	Soil	1.9	28.3	7.5	123	<0.1	18.8	4.7	651	3.26	4.0	0.9	2.1	10.2	19	0.3	0.4	0.1	28	0.24	0.044
107189	Soil	2.1	68.9	11.6	120	0.1	78.7	18.1	645	4.31	6.4	1.1	2.5	5.5	36	0.5	0.5	0.2	116	0.64	0.152
107190	Soil	1.8	54.3	10.5	104	0.2	50.3	13.0	435	3.50	6.6	1.2	2.0	5.6	32	0.4	0.5	0.2	78	0.42	0.080
107191	Soil	2.1	58.9	9.5	118	<0.1	62.6	23.0	565	4.89	3.6	0.7	1.4	4.5	23	0.5	0.3	0.1	136	0.37	0.105
107192	Soil	2.6	44.3	9.9	86	<0.1	41.5	12.7	337	3.39	5.5	1.1	6.3	5.1	19	0.1	0.4	0.2	74	0.28	0.031
107193	Soil	4.7	120.0	11.5	154	0.2	131.3	39.2	1315	6.41	1.2	1.7	1.7	7.0	34	0.7	<0.1	0.2	178	0.87	0.199
107194	Soil	11.7	115.9	16.6	338	0.4	127.0	28.1	986	6.34	1.3	3.9	2.4	11.4	44	1.2	0.2	0.2	98	0.71	0.171
107195	Soil	2.1	10.0	3.6	153	<0.1	17.5	3.6	909	2.89	1.1	1.5	<0.5	10.2	10	0.5	0.2	<0.1	14	0.17	0.056
108181	Soil	0.4	9.8	7.1	73	0.1	50.2	16.3	497	3.30	1.9	1.2	0.8	12.6	6	<0.1	0.2	0.1	42	0.11	0.047
108182	Soil	0.2	31.3	44.8	46	<0.1	2.4	4.5	297	2.00	1.2	1.0	0.6	7.2	16	0.1	<0.1	2.1	11	0.19	0.105
108183	Soil	0.3	23.1	12.7	51	<0.1	3.1	5.4	358	2.29	1.3	0.9	<0.5	6.8	15	0.1	<0.1	0.1	12	0.18	0.079
108184	Soil	0.5	20.8	17.3	51	0.1	4.3	4.1	212	2.23	4.1	0.7	6.7	8.2	5	<0.1	0.3	0.2	15	0.04	0.032
108186	Soil	0.2	44.0	4.7	53	<0.1	87.3	21.0	499	3.38	1.9	0.7	1.1	3.0	17	<0.1	0.1	<0.1	65	0.25	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
107171	Soil	16	35	0.54	435	0.057	<1	1.62	0.015	0.06	<0.1	0.05	3.8	<0.1	<0.05	5	0.6
107172	Soil	17	58	0.73	362	0.061	<1	2.14	0.012	0.06	<0.1	0.03	5.0	<0.1	<0.05	6	0.6
107173	Soil	13	37	0.67	179	0.045	<1	1.77	0.003	0.09	0.2	0.02	2.3	0.1	<0.05	6	0.6
107174	Soil	12	32	0.46	183	0.063	1	1.56	0.008	0.04	0.2	0.02	2.8	<0.1	<0.05	4	0.5
107175	Soil	11	32	0.46	152	0.062	<1	1.95	0.009	0.04	0.2	0.03	2.9	<0.1	<0.05	5	0.7
107176	Soil	12	43	0.48	133	0.088	<1	1.28	0.017	0.03	0.1	0.04	5.1	<0.1	<0.05	3	<0.5
107177	Soil	12	35	0.40	156	0.076	<1	1.65	0.009	0.04	0.1	0.06	3.9	0.1	<0.05	5	0.6
107178	Soil	8	48	0.62	142	0.067	<1	1.89	0.011	0.05	0.2	0.02	3.7	<0.1	<0.05	5	<0.5
107179	Soil	17	114	1.56	242	0.048	<1	3.44	0.005	0.11	0.1	0.02	6.0	0.2	<0.05	10	0.8
107180	Soil	29	47	0.90	511	0.081	<1	2.20	0.009	0.11	0.1	0.02	6.1	0.2	<0.05	7	1.5
107181	Soil	5	83	0.79	123	0.149	<1	1.61	0.017	0.02	<0.1	0.02	6.7	<0.1	<0.05	5	<0.5
107182	Soil	13	49	0.73	412	0.072	<1	1.86	0.012	0.05	0.2	0.03	5.5	<0.1	<0.05	6	<0.5
107183	Soil	15	40	0.74	154	0.085	<1	1.94	0.006	0.26	0.1	0.01	3.2	0.3	<0.05	7	0.7
107184	Soil	17	97	1.30	252	0.055	<1	2.87	0.005	0.07	0.1	<0.01	8.5	<0.1	<0.05	10	0.6
107185	Soil	14	68	1.17	319	0.105	<1	1.93	0.010	0.06	0.1	0.03	7.5	<0.1	<0.05	6	0.5
107186	Soil	17	26	0.45	207	0.054	<1	1.31	0.007	0.05	0.2	0.02	3.2	<0.1	<0.05	4	<0.5
107187	Soil	26	6	0.49	163	0.093	<1	1.57	0.004	0.35	<0.1	<0.01	1.3	<0.1	<0.05	14	0.6
107188	Soil	33	16	0.59	325	0.066	<1	1.51	0.008	0.23	0.1	0.02	2.5	<0.1	<0.05	10	<0.5
107189	Soil	21	111	2.15	527	0.144	<1	3.05	0.014	0.26	0.1	0.03	9.9	0.2	0.20	9	1.2
107190	Soil	19	67	1.26	411	0.109	<1	2.12	0.011	0.14	0.2	0.03	6.2	0.2	0.08	7	0.8
107191	Soil	10	107	2.21	382	0.188	<1	3.99	0.011	0.25	<0.1	<0.01	7.6	0.2	0.05	10	1.1
107192	Soil	15	61	1.25	285	0.084	<1	2.11	0.011	0.06	0.1	0.02	5.7	0.2	0.05	6	1.1
107193	Soil	21	272	3.30	815	0.241	<1	4.17	0.013	0.88	0.5	<0.01	13.6	0.7	<0.05	13	1.3
107194	Soil	35	138	2.64	339	0.077	<1	2.77	0.011	0.18	<0.1	0.02	10.6	0.3	0.14	9	3.2
107195	Soil	75	6	0.62	257	0.109	<1	1.38	0.003	0.63	<0.1	<0.01	2.4	0.1	<0.05	9	<0.5
108181	Soil	9	72	1.94	95	0.112	1	2.28	0.003	0.17	<0.1	0.01	3.3	0.1	<0.05	7	<0.5
108182	Soil	13	2	0.46	82	0.059	1	0.99	0.009	0.33	0.1	<0.01	1.3	0.2	<0.05	3	<0.5
108183	Soil	12	4	0.65	73	0.048	<1	1.14	0.002	0.27	<0.1	<0.01	1.5	0.1	<0.05	4	<0.5
108184	Soil	22	8	0.43	97	0.008	<1	1.37	0.002	0.10	<0.1	0.01	1.9	0.1	<0.05	4	<0.5
108186	Soil	7	152	2.56	246	0.150	<1	2.49	0.005	0.63	<0.1	<0.01	4.1	0.4	<0.05	7	<0.5



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15				
					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
108187	Soil					0.3	38.6	30.1	75	<0.1	7.7	7.6	407	3.18	2.3	0.8	<0.5	12.0	5	0.2	0.2	0.5	16	0.06	0.038
108188	Soil					0.2	21.1	5.7	56	<0.1	13.3	7.8	710	2.60	1.4	0.6	1.2	7.0	38	<0.1	<0.1	<0.1	23	0.28	0.109
108189	Soil					0.3	3.0	4.3	57	<0.1	5.6	5.9	449	2.46	2.4	0.3	<0.5	6.9	37	0.1	0.2	<0.1	16	0.26	0.131
108190	Soil					0.3	5.0	4.7	63	<0.1	8.2	6.6	507	2.71	2.8	0.5	1.2	10.9	30	0.1	0.3	<0.1	18	0.23	0.112
108191	Soil					2.0	31.5	9.6	60	0.2	37.5	8.7	423	2.95	8.3	0.9	1.8	4.4	8	0.2	0.5	0.2	59	0.07	0.039
108192	Soil					5.7	86.4	5.0	130	<0.1	35.4	13.3	479	4.47	1.5	0.8	2.0	3.3	18	0.4	<0.1	<0.1	67	0.09	0.051
108193	Soil					5.0	77.3	8.6	181	0.5	118.4	31.7	816	5.41	2.4	1.0	<0.5	3.9	10	0.9	0.2	<0.1	64	0.19	0.105
108194	Soil					2.7	58.6	6.4	112	0.3	64.1	15.5	570	4.74	3.8	1.2	0.6	6.4	3	0.1	0.3	<0.1	53	0.06	0.022
108195	Soil					1.8	34.9	9.3	100	0.3	34.7	11.0	378	3.71	5.3	0.9	<0.5	5.6	5	0.3	0.2	0.1	47	0.10	0.041
108196	Soil					3.8	53.1	13.1	80	0.3	33.7	7.3	295	2.94	8.0	2.8	2.6	6.8	10	<0.1	0.7	0.2	49	0.07	0.021
108197	Soil					4.5	85.2	11.0	114	<0.1	70.9	14.9	673	4.59	3.5	2.4	3.5	10.3	10	0.4	0.3	0.2	58	0.10	0.039
108198	Soil					0.6	25.2	11.7	77	<0.1	33.2	10.8	484	3.29	3.5	1.2	0.6	13.3	4	0.1	0.3	0.2	35	0.05	0.020
108199	Soil					0.2	90.1	5.5	75	0.1	97.4	27.2	1057	4.11	0.9	0.4	1.5	3.2	11	<0.1	<0.1	<0.1	72	0.19	0.029
108201	Soil					0.1	84.9	6.4	100	<0.1	45.4	20.3	923	5.57	1.0	0.3	1.4	1.6	24	<0.1	<0.1	<0.1	85	0.47	0.149
108202	Soil					0.1	19.9	9.9	94	<0.1	19.4	3.6	119	1.82	1.0	0.5	0.8	15.8	19	<0.1	<0.1	0.2	7	0.17	0.033
108203	Soil					0.5	27.5	7.3	37	<0.1	11.5	8.1	268	2.07	5.2	0.5	0.7	5.3	9	<0.1	0.3	<0.1	30	0.08	0.029
108204	Soil					0.3	56.6	5.2	115	<0.1	15.2	34.6	1665	7.17	1.6	0.2	1.2	3.1	25	<0.1	<0.1	<0.1	211	0.50	0.192
108205	Soil					0.6	7.1	6.0	94	<0.1	10.0	4.7	678	2.85	4.1	0.4	2.6	2.1	23	<0.1	0.2	<0.1	22	0.18	0.039
108206	Soil					<0.1	68.0	7.3	45	<0.1	53.7	17.3	525	2.94	1.1	0.5	1.6	2.9	15	<0.1	<0.1	<0.1	55	0.28	0.062
108207	Soil					0.3	26.3	16.2	68	<0.1	12.9	10.2	370	3.42	3.9	2.4	0.7	11.4	15	<0.1	0.2	0.3	24	0.21	0.042
108208	Soil					0.2	47.5	3.7	53	<0.1	12.8	17.3	602	3.37	13.7	0.2	<0.5	1.0	21	<0.1	0.2	<0.1	56	0.21	0.034
108209	Soil					0.3	53.9	3.4	42	<0.1	19.0	13.3	417	2.49	1.6	0.6	<0.5	2.9	44	<0.1	0.1	<0.1	39	0.44	0.017
108210	Soil					0.3	106.8	2.5	63	<0.1	168.7	48.6	922	5.40	15.4	0.4	2.8	1.0	30	0.1	<0.1	<0.1	155	1.49	0.078
108211	Soil					0.4	16.0	10.7	29	<0.1	13.2	4.2	194	1.44	4.0	1.0	<0.5	10.1	16	<0.1	0.2	0.1	20	0.13	0.011
108212	Soil					0.7	88.2	6.0	75	<0.1	15.3	12.8	817	3.96	2.1	0.9	3.2	4.3	14	<0.1	0.2	<0.1	42	0.14	0.028
108213	Soil					0.3	7.6	14.2	24	<0.1	2.7	1.3	173	0.90	1.1	0.8	<0.5	17.7	5	<0.1	0.1	0.2	7	0.09	0.021
108214	Soil					0.6	8.4	9.5	81	<0.1	3.2	2.5	430	2.42	1.9	1.0	1.6	3.6	56	<0.1	0.1	0.2	9	0.23	0.018
108215	Soil					0.6	7.3	9.9	86	<0.1	2.6	2.2	420	2.40	1.6	1.0	<0.5	3.9	64	<0.1	0.1	0.2	9	0.23	0.018
108216	Soil					0.2	65.8	1.9	93	<0.1	6.4	21.4	775	5.92	1.5	0.4	<0.5	0.7	18	<0.1	0.1	<0.1	142	0.35	0.050
108217	Soil					0.2	10.2	2.7	44	<0.1	3.0	5.2	253	1.53	1.1	0.5	1.2	3.1	11	<0.1	0.1	<0.1	16	0.13	0.008



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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
108187	Soil	22	10	0.84	107	0.022	<1	1.61	0.002	0.09	<0.1	<0.01	2.6	0.1	<0.05	6	<0.5
108188	Soil	21	14	1.15	276	0.126	<1	1.43	0.003	0.61	<0.1	<0.01	1.9	0.2	<0.05	5	<0.5
108189	Soil	17	7	0.75	191	0.127	<1	1.35	0.002	0.43	<0.1	<0.01	1.7	0.2	<0.05	4	0.6
108190	Soil	28	9	0.86	225	0.130	<1	1.48	0.003	0.46	<0.1	0.01	1.9	0.2	<0.05	4	0.7
108191	Soil	14	30	0.47	253	0.027	<1	1.90	0.003	0.03	<0.1	0.02	2.0	0.1	<0.05	7	0.7
108192	Soil	10	39	2.02	97	0.022	<1	2.46	0.002	0.07	<0.1	<0.01	4.2	0.1	<0.05	7	6.2
108193	Soil	8	94	1.85	210	0.057	<1	2.90	0.002	0.05	<0.1	0.02	3.6	0.3	<0.05	6	1.5
108194	Soil	7	64	1.94	133	0.057	<1	2.78	0.002	0.03	<0.1	0.01	4.0	<0.1	<0.05	7	<0.5
108195	Soil	6	50	1.38	153	0.068	<1	2.23	<0.001	0.06	<0.1	0.01	3.5	0.1	<0.05	6	0.9
108196	Soil	14	38	0.91	130	0.078	<1	1.87	0.004	0.04	<0.1	0.03	4.0	<0.1	<0.05	5	0.6
108197	Soil	47	74	1.80	216	0.008	<1	2.89	0.004	0.07	<0.1	0.02	6.5	0.1	<0.05	7	1.1
108198	Soil	25	41	1.41	79	0.041	<1	2.11	0.002	0.05	<0.1	<0.01	4.0	<0.1	<0.05	7	<0.5
108199	Soil	6	195	3.45	75	0.126	<1	3.22	0.006	0.19	<0.1	<0.01	6.4	<0.1	<0.05	8	<0.5
108201	Soil	5	37	3.03	284	0.274	<1	3.51	0.004	1.34	<0.1	<0.01	7.5	0.6	<0.05	9	0.5
108202	Soil	21	7	0.66	93	0.030	<1	1.19	0.002	0.04	<0.1	<0.01	2.3	<0.1	<0.05	3	<0.5
108203	Soil	10	17	0.66	83	0.050	<1	1.43	0.004	0.14	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5
108204	Soil	6	10	3.48	235	0.236	<1	4.13	0.004	0.99	<0.1	<0.01	11.9	0.2	<0.05	13	<0.5
108205	Soil	7	20	0.95	145	0.035	<1	2.27	0.003	0.05	<0.1	0.01	2.7	<0.1	<0.05	7	<0.5
108206	Soil	10	125	2.24	91	0.119	<1	2.09	0.003	0.13	<0.1	<0.01	3.8	<0.1	<0.05	6	<0.5
108207	Soil	24	10	1.00	125	0.059	<1	1.96	0.002	0.04	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5
108208	Soil	2	12	1.36	94	0.072	<1	1.97	0.002	0.11	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5
108209	Soil	5	24	1.33	72	0.087	<1	1.78	0.002	0.04	<0.1	<0.01	3.2	<0.1	<0.05	4	<0.5
108210	Soil	4	274	3.80	46	0.137	1	3.70	0.003	0.06	0.1	<0.01	10.9	<0.1	<0.05	9	<0.5
108211	Soil	22	26	0.47	148	0.018	<1	1.23	0.003	0.06	<0.1	0.02	4.0	<0.1	<0.05	3	<0.5
108212	Soil	19	19	1.68	191	0.005	<1	2.32	0.002	0.05	<0.1	0.02	5.4	<0.1	<0.05	7	<0.5
108213	Soil	30	3	0.26	69	0.005	<1	0.46	0.002	0.08	<0.1	0.02	1.4	<0.1	<0.05	1	<0.5
108214	Soil	14	5	0.57	185	0.064	<1	1.38	0.007	0.13	<0.1	<0.01	3.7	<0.1	<0.05	5	<0.5
108215	Soil	14	4	0.58	194	0.059	<1	1.37	0.007	0.12	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5
108216	Soil	2	6	1.82	380	0.194	<1	2.76	0.011	0.58	<0.1	<0.01	5.1	0.2	<0.05	9	<0.5
108217	Soil	4	4	0.47	67	0.093	<1	1.01	0.002	0.10	<0.1	0.01	1.2	<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	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
108218	Soil	1.0	3.3	11.2	13	<0.1	4.9	1.7	116	1.03	3.4	0.5	<0.5	2.7	10	<0.1	0.2	<0.1	14	0.06	0.016
108219	Soil	0.5	64.8	2.8	72	<0.1	27.3	22.9	684	4.58	2.3	0.3	1.8	0.9	18	<0.1	0.2	<0.1	126	0.26	0.049
108220	Soil	0.4	14.4	20.4	48	<0.1	11.0	5.2	160	1.80	4.0	1.5	0.5	13.9	9	<0.1	0.2	0.2	21	0.08	0.016
108221	Soil	0.8	10.4	17.5	30	0.1	9.9	4.7	120	1.29	5.5	0.6	2.7	10.6	6	<0.1	0.4	0.2	24	0.04	0.016
108222	Soil	0.3	27.8	73.7	78	<0.1	23.7	11.6	1122	1.72	1.2	1.9	1.9	20.8	15	0.2	0.1	0.7	13	0.21	0.073
108223	Soil	1.0	82.9	5.3	76	<0.1	20.7	21.3	676	4.74	4.3	0.3	1.9	1.3	13	<0.1	0.3	<0.1	142	0.20	0.068
108224	Soil	2.2	64.4	17.0	48	0.2	40.0	15.9	323	3.48	9.1	0.9	1.8	8.3	8	<0.1	0.5	0.2	41	0.08	0.031
108225	Soil	0.7	124.3	6.2	63	<0.1	130.8	25.9	1303	5.18	1.1	0.7	2.8	1.4	12	<0.1	0.1	0.1	105	0.24	0.052
108226	Soil	3.9	52.2	11.7	118	0.1	48.9	12.4	457	3.51	3.0	1.5	3.5	12.4	5	0.2	0.5	0.1	86	0.11	0.056
108227	Soil	5.7	70.7	10.1	164	0.1	72.2	17.0	666	4.46	1.6	3.2	1.6	9.0	10	0.3	0.1	0.2	84	0.23	0.078
108228	Soil	6.6	98.6	12.5	139	<0.1	65.8	21.5	650	5.04	2.5	2.4	1.2	10.8	9	0.3	0.3	0.2	78	0.14	0.059
108229	Soil	1.6	202.2	8.7	90	0.1	45.1	15.2	529	4.55	1.7	2.5	0.7	17.3	21	0.3	0.2	<0.1	67	0.32	0.101
108230	Soil	0.9	27.7	10.7	88	0.2	56.0	14.8	460	3.62	5.7	0.9	0.9	5.5	10	<0.1	0.5	<0.1	74	0.14	0.022
108231	Soil	0.2	30.1	5.1	77	<0.1	18.7	9.0	476	3.73	1.3	0.4	0.5	2.9	4	<0.1	0.1	<0.1	48	0.10	0.040
108232	Soil	1.2	72.6	82.8	139	0.1	18.6	6.2	403	3.32	1.4	3.0	2.0	7.4	7	0.2	0.2	1.0	46	0.12	0.035
108233	Soil	7.6	122.8	7.3	83	<0.1	72.9	21.6	694	5.29	2.5	1.9	1.2	4.9	10	0.2	0.3	<0.1	124	0.18	0.058
108234	Soil	0.3	29.0	4.8	57	<0.1	120.8	23.0	387	3.77	1.7	0.4	<0.5	2.1	15	<0.1	0.2	<0.1	99	0.32	0.024
108235	Soil	2.9	31.9	7.6	90	<0.1	16.7	8.0	325	2.74	1.4	2.7	1.1	13.1	12	<0.1	0.2	<0.1	33	0.20	0.053
108236	Soil	0.1	58.9	1.6	57	<0.1	17.5	13.4	406	2.89	0.6	0.3	1.6	1.1	12	<0.1	<0.1	<0.1	66	0.25	0.040
108237	Soil	0.3	61.6	4.2	72	<0.1	22.2	13.1	437	3.35	2.0	0.7	1.7	2.5	25	<0.1	<0.1	<0.1	77	0.37	0.027
108238	Soil	0.1	23.1	2.1	52	<0.1	7.4	5.0	377	2.18	<0.5	0.5	1.0	1.2	15	<0.1	<0.1	<0.1	34	0.23	0.059
108239	Soil	0.2	61.1	2.6	61	<0.1	9.8	8.3	505	2.98	1.0	0.9	1.2	2.4	16	<0.1	0.1	<0.1	77	0.21	0.047
108240	Soil	0.2	53.2	2.9	57	<0.1	9.6	7.8	755	2.82	0.7	0.8	1.5	2.1	18	<0.1	0.1	<0.1	77	0.26	0.060
108241	Soil	0.3	7.0	12.8	33	<0.1	7.0	2.9	95	0.91	2.0	2.4	<0.5	14.6	11	<0.1	0.1	<0.1	12	0.11	0.053
108242	Soil	0.2	10.5	9.1	48	<0.1	6.9	2.5	141	1.24	0.8	2.2	0.5	11.3	23	<0.1	0.1	<0.1	9	0.19	0.029
108243	Soil	<0.1	15.7	3.8	54	<0.1	32.7	14.3	526	2.61	0.6	0.7	<0.5	3.5	26	<0.1	<0.1	<0.1	44	0.57	0.152
108244	Soil	<0.1	34.7	7.5	98	<0.1	36.0	20.6	501	3.94	1.1	2.0	2.3	2.9	33	<0.1	0.1	<0.1	65	0.59	0.162
108245	Soil	0.3	18.8	11.2	81	<0.1	14.0	5.4	328	2.25	2.1	3.3	0.6	17.2	18	0.2	0.2	0.4	26	0.28	0.079
108246	Soil	0.6	37.9	13.5	91	0.1	34.5	11.8	464	2.98	5.0	1.4	1.6	7.2	23	0.2	0.5	0.2	54	0.39	0.076
108247	Soil	1.1	45.8	11.0	93	<0.1	55.9	13.1	347	3.71	5.4	1.6	1.0	10.3	23	0.2	0.4	0.2	59	0.34	0.076



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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
108218	Soil	4	11	0.17	64	0.013	<1	0.73	0.003	0.04	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
108219	Soil	2	30	2.71	177	0.133	<1	3.04	0.008	0.20	<0.1	0.01	2.7	<0.1	<0.05	8	<0.5	<0.2
108220	Soil	41	21	0.77	198	0.070	<1	1.25	0.004	0.14	<0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
108221	Soil	23	15	0.23	189	0.021	<1	1.05	0.003	0.06	0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
108222	Soil	47	22	0.80	911	0.047	<1	0.96	0.003	0.21	<0.1	<0.01	2.7	0.2	<0.05	3	<0.5	<0.2
108223	Soil	4	23	2.09	167	0.118	<1	2.70	0.005	0.16	<0.1	<0.01	5.7	<0.1	<0.05	9	<0.5	<0.2
108224	Soil	15	26	0.63	189	0.011	1	2.09	0.005	0.04	0.1	0.02	3.0	<0.1	<0.05	4	0.6	<0.2
108225	Soil	7	98	2.44	154	0.033	<1	2.44	0.004	0.08	<0.1	0.05	13.4	0.1	<0.05	7	<0.5	<0.2
108226	Soil	17	70	1.74	128	0.028	<1	2.49	0.005	0.07	<0.1	0.02	4.7	<0.1	<0.05	9	1.7	<0.2
108227	Soil	21	84	2.56	183	0.142	<1	3.10	0.004	0.08	<0.1	0.02	4.3	0.2	<0.05	9	4.3	<0.2
108228	Soil	18	51	1.85	191	0.122	<1	2.84	0.005	0.23	<0.1	0.01	5.0	0.4	<0.05	8	2.3	<0.2
108229	Soil	47	29	1.76	345	0.176	<1	2.62	0.007	0.51	<0.1	0.01	5.8	0.4	<0.05	8	1.3	<0.2
108230	Soil	20	93	1.76	222	0.094	<1	2.72	0.007	0.05	<0.1	0.03	5.5	0.1	<0.05	8	0.8	<0.2
108231	Soil	7	28	1.71	108	0.007	<1	2.35	0.004	0.04	<0.1	<0.01	6.7	<0.1	<0.05	7	<0.5	<0.2
108232	Soil	18	23	1.74	80	0.118	<1	2.17	0.003	0.02	<0.1	<0.01	4.6	<0.1	<0.05	6	1.1	<0.2
108233	Soil	8	76	2.05	242	0.168	<1	3.27	0.005	0.27	<0.1	0.02	6.2	0.3	<0.05	9	1.0	<0.2
108234	Soil	8	374	2.72	347	0.194	<1	3.00	0.007	0.44	<0.1	<0.01	3.2	0.3	<0.05	9	0.9	<0.2
108235	Soil	22	23	1.23	134	0.106	<1	1.65	0.004	0.11	<0.1	0.01	4.5	0.2	<0.05	6	1.1	<0.2
108236	Soil	3	60	1.51	223	0.085	<1	1.84	0.014	0.28	<0.1	<0.01	6.9	<0.1	<0.05	5	0.5	<0.2
108237	Soil	6	55	1.50	131	0.087	<1	2.07	0.005	0.07	<0.1	0.01	7.4	<0.1	<0.05	7	0.6	<0.2
108238	Soil	4	10	0.80	176	0.062	<1	1.30	0.005	0.21	<0.1	<0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
108239	Soil	7	16	1.09	400	0.136	<1	1.72	0.008	0.50	<0.1	<0.01	7.6	<0.1	<0.05	6	<0.5	<0.2
108240	Soil	6	14	1.04	384	0.136	<1	1.59	0.006	0.51	<0.1	0.01	8.6	<0.1	<0.05	6	0.6	<0.2
108241	Soil	39	11	0.19	101	0.038	<1	0.70	0.004	0.11	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
108242	Soil	19	10	0.71	125	0.067	<1	1.04	0.004	0.12	<0.1	0.01	2.0	0.1	<0.05	4	0.5	<0.2
108243	Soil	7	79	1.58	347	0.120	<1	1.97	0.007	0.55	<0.1	<0.01	4.7	0.3	<0.05	6	<0.5	<0.2
108244	Soil	8	49	1.84	505	0.134	<1	2.56	0.006	0.63	<0.1	<0.01	3.0	0.4	<0.05	6	0.5	<0.2
108245	Soil	63	23	0.59	293	0.070	<1	1.20	0.005	0.13	<0.1	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
108246	Soil	20	52	1.13	274	0.070	<1	1.86	0.008	0.10	<0.1	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
108247	Soil	33	72	1.51	279	0.071	<1	2.33	0.009	0.05	<0.1	<0.01	5.6	0.1	<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
108248	Soil	1.0	50.0	6.9	95	<0.1	56.0	18.8	544	3.26	2.3	0.8	1.5	5.6	19	0.2	0.2	<0.1	61	0.42	0.095
108249	Soil	0.8	31.8	10.0	81	0.1	28.3	10.6	410	2.50	10.0	0.7	23.6	5.2	27	0.3	1.0	0.1	43	0.37	0.079
108250	Soil	0.8	28.0	9.0	67	<0.1	24.6	9.0	319	2.33	10.0	0.7	3.6	5.0	25	0.3	0.8	0.1	41	0.33	0.067
108251	Soil	0.9	32.5	10.1	69	0.1	27.5	9.2	307	2.68	10.3	1.0	2.9	5.2	29	0.1	0.8	0.1	49	0.39	0.059
108252	Soil	1.0	31.9	11.7	76	0.1	26.3	11.0	390	2.80	11.5	0.8	4.2	5.4	34	0.3	1.1	0.2	54	0.43	0.070
108253	Soil	1.0	26.9	10.4	66	0.1	23.5	8.5	278	2.54	9.8	1.1	3.4	4.1	31	<0.1	0.8	0.2	44	0.41	0.060
108254	Soil	0.9	29.0	10.8	75	0.1	25.5	9.7	384	2.67	10.9	0.8	3.2	4.5	33	0.2	0.9	0.2	43	0.42	0.072
108255	Soil	1.1	24.9	10.1	65	0.1	22.8	8.7	327	2.49	9.5	1.1	2.6	3.2	38	0.2	0.7	0.2	40	0.51	0.071
108256	Soil	0.6	21.0	9.0	55	0.1	18.0	6.1	184	2.13	7.5	1.0	0.7	2.1	38	0.3	0.4	0.2	37	0.52	0.061
108257	Soil	1.1	26.2	9.7	61	0.2	21.2	8.5	271	2.38	9.3	1.1	2.9	3.5	34	0.3	0.7	0.2	40	0.47	0.068
108258	Soil	1.1	27.6	8.8	60	0.1	27.0	9.5	279	2.55	9.6	0.8	3.8	4.8	26	0.1	0.6	0.2	48	0.32	0.055
108259	Soil	0.9	28.0	10.0	57	<0.1	24.4	9.8	297	2.53	9.7	1.7	1.7	4.3	29	0.2	0.6	0.2	45	0.43	0.066
108260	Soil	1.0	31.1	14.0	95	0.2	32.8	8.4	247	2.66	6.1	1.7	2.3	11.5	26	0.2	0.5	0.3	40	0.38	0.048
108261	Soil	1.2	39.1	11.4	73	0.2	41.3	12.2	346	3.34	8.9	2.5	1.0	5.9	35	0.4	0.6	0.2	60	0.48	0.064
108262	Soil	0.8	26.0	8.9	57	<0.1	24.5	9.5	213	2.28	6.7	1.4	2.0	3.9	21	0.1	0.5	0.1	46	0.27	0.035
108263	Soil	1.4	39.1	11.2	76	0.1	40.9	12.2	337	3.12	7.9	1.4	6.4	5.2	29	0.1	0.7	0.2	59	0.40	0.050
111117	Soil	0.7	28.4	7.0	80	0.2	44.2	12.6	432	3.73	9.5	0.8	4.8	3.4	13	<0.1	0.4	0.1	60	0.15	0.025
111118	Soil	4.0	90.0	17.3	94	0.1	67.9	17.3	755	4.20	6.0	1.8	4.2	11.5	7	0.2	0.4	0.4	38	0.06	0.040
111119	Soil	3.6	100.7	27.2	126	<0.1	62.9	17.0	666	4.03	15.4	1.8	3.5	16.4	6	0.1	0.6	0.4	41	0.05	0.023
111120	Soil	3.0	72.3	15.4	100	0.1	61.8	15.9	1024	4.20	15.2	1.4	3.3	10.1	12	<0.1	0.7	0.4	46	0.23	0.018
111121	Soil	1.0	29.0	11.0	57	0.2	29.1	9.9	375	2.88	10.2	1.2	0.7	5.9	23	<0.1	0.5	0.2	56	0.28	0.015
111122	Soil	3.0	61.5	11.2	114	<0.1	40.5	13.0	493	3.64	6.9	1.1	1.7	5.2	15	0.1	0.7	0.2	56	0.17	0.014
111123	Soil	4.4	104.2	6.2	146	0.1	106.0	33.3	1224	5.54	21.3	0.9	3.8	6.0	13	0.3	0.3	<0.1	98	0.36	0.080
111124	Soil	1.7	38.2	23.1	108	<0.1	14.3	6.9	425	3.32	13.2	2.8	29.3	26.9	21	0.2	0.5	0.8	32	0.36	0.025
111125	Soil	1.4	26.5	11.8	93	<0.1	41.5	12.8	678	4.07	19.5	1.1	1.7	23.6	25	0.2	0.2	0.2	14	3.21	0.082
111126	Soil	3.1	33.1	6.5	108	<0.1	148.9	37.0	1160	5.53	55.0	2.6	4.5	4.1	74	0.2	0.4	<0.1	38	7.29	0.072
111127	Soil	3.0	67.5	24.3	154	0.4	61.7	26.6	1460	5.01	2.7	0.8	2.5	19.1	18	0.5	0.1	0.2	37	2.25	0.117
111128	Soil	0.6	10.6	5.5	111	<0.1	5.5	9.7	574	4.62	2.6	0.6	1.7	4.3	8	<0.1	0.2	<0.1	42	0.14	0.013
111129	Soil	0.4	8.3	7.4	88	<0.1	5.0	2.3	469	2.58	2.3	0.6	<0.5	3.8	10	<0.1	0.2	<0.1	9	0.10	0.012
111130	Soil	6.2	74.3	14.0	143	0.2	82.6	24.8	611	5.12	4.7	1.0	7.6	4.3	38	0.5	0.3	0.5	40	0.56	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
108248	Soil	15	70	1.42	291	0.079	<1	2.04	0.006	0.12	0.3	0.01	5.4	<0.1	<0.05	6	0.7	<0.2
108249	Soil	16	31	0.52	344	0.056	<1	1.26	0.013	0.07	0.1	0.04	3.2	<0.1	<0.05	4	0.5	<0.2
108250	Soil	15	29	0.48	335	0.054	<1	1.22	0.011	0.05	0.2	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
108251	Soil	16	36	0.55	406	0.058	<1	1.50	0.013	0.06	0.1	0.05	3.9	<0.1	<0.05	5	1.1	<0.2
108252	Soil	17	33	0.52	466	0.060	1	1.60	0.016	0.06	0.1	0.05	3.7	<0.1	<0.05	5	0.5	<0.2
108253	Soil	16	27	0.52	470	0.044	2	1.51	0.011	0.04	0.2	0.04	3.4	<0.1	0.11	4	<0.5	<0.2
108254	Soil	15	26	0.52	455	0.051	1	1.46	0.014	0.05	0.2	0.05	3.6	<0.1	0.08	4	<0.5	<0.2
108255	Soil	15	25	0.50	454	0.038	1	1.43	0.011	0.04	0.2	0.04	2.9	<0.1	0.06	4	1.3	<0.2
108256	Soil	13	23	0.45	409	0.030	<1	1.39	0.011	0.04	0.2	0.04	2.5	<0.1	0.08	4	1.1	<0.2
108257	Soil	14	25	0.49	417	0.039	2	1.48	0.012	0.04	0.2	0.04	3.1	<0.1	0.05	4	0.5	<0.2
108258	Soil	16	35	0.58	341	0.056	1	1.56	0.009	0.05	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
108259	Soil	15	31	0.51	429	0.039	<1	1.54	0.011	0.04	<0.1	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
108260	Soil	29	38	1.02	366	0.042	<1	1.88	0.009	0.06	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
108261	Soil	20	52	0.74	487	0.050	3	2.20	0.010	0.05	<0.1	0.05	5.2	<0.1	<0.05	6	<0.5	<0.2
108262	Soil	13	37	0.52	287	0.049	<1	1.59	0.007	0.04	<0.1	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
108263	Soil	18	55	0.69	410	0.053	<1	2.18	0.010	0.06	<0.1	0.03	5.4	<0.1	<0.05	7	0.7	<0.2
111117	Soil	7	60	1.77	178	0.148	3	2.68	0.002	0.04	<0.1	<0.01	3.3	0.2	<0.05	7	<0.5	<0.2
111118	Soil	27	53	1.23	148	0.021	<1	2.26	0.004	0.03	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
111119	Soil	42	51	1.45	189	0.034	<1	2.51	0.004	0.03	<0.1	0.05	4.9	<0.1	<0.05	7	0.7	<0.2
111120	Soil	26	53	1.08	302	0.049	1	2.15	0.006	0.04	<0.1	0.04	5.1	<0.1	<0.05	6	1.1	<0.2
111121	Soil	19	39	0.62	399	0.051	<1	2.04	0.009	0.04	0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
111122	Soil	17	36	1.08	232	0.045	<1	2.26	0.007	0.04	<0.1	0.04	5.8	<0.1	<0.05	7	<0.5	<0.2
111123	Soil	14	116	2.51	187	0.032	1	3.12	0.004	0.05	<0.1	<0.01	9.4	0.1	<0.05	8	<0.5	<0.2
111124	Soil	79	13	0.60	300	0.004	<1	1.53	0.006	0.11	<0.1	0.05	5.3	0.2	<0.05	4	<0.5	<0.2
111125	Soil	41	27	0.86	82	0.008	1	1.05	0.002	0.07	<0.1	<0.01	3.0	<0.1	0.11	3	<0.5	<0.2
111126	Soil	13	81	0.62	276	0.004	2	0.80	0.003	0.10	<0.1	<0.01	6.8	<0.1	0.16	3	1.2	<0.2
111127	Soil	52	30	1.45	450	0.001	<1	1.90	0.003	0.05	<0.1	<0.01	4.3	<0.1	0.09	5	2.8	<0.2
111128	Soil	19	6	1.42	158	0.039	<1	2.64	0.003	0.05	<0.1	<0.01	4.3	<0.1	<0.05	9	<0.5	<0.2
111129	Soil	11	8	0.70	114	0.022	<1	1.70	0.003	0.04	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
111130	Soil	17	102	1.30	201	0.009	<1	2.13	0.007	0.06	<0.1	<0.01	3.9	<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
		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	%
111131	Soil	0.1	31.8	5.8	72	<0.1	297.1	43.9	1920	5.93	1.4	0.4	3.7	2.5	51	<0.1	0.2	<0.1	160	1.53
111132	Soil	0.4	18.4	25.8	63	<0.1	4.5	4.3	450	2.61	2.7	1.1	<0.5	10.0	8	<0.1	0.2	0.2	12	0.07
111133	Soil	0.1	2.9	8.5	86	<0.1	2.5	3.3	340	2.38	1.4	1.1	1.8	19.6	10	<0.1	0.2	<0.1	5	0.12
111134	Soil	0.4	10.9	30.3	88	<0.1	122.4	13.0	454	2.60	1.9	0.2	<0.5	4.9	35	<0.1	0.2	0.3	31	0.20
111135	Soil	0.2	63.1	1.2	118	<0.1	28.5	38.7	1391	9.23	1.5	0.1	0.9	0.3	25	<0.1	0.1	<0.1	268	0.68
111136	Soil	0.4	80.3	3.2	58	<0.1	116.6	24.7	622	4.64	0.6	0.2	2.2	1.0	18	<0.1	<0.1	<0.1	102	0.38
111137	Soil	0.4	28.6	5.9	76	<0.1	66.1	12.6	253	2.88	2.6	0.6	7.8	2.8	15	<0.1	0.4	<0.1	56	0.19
111138	Soil	0.1	10.5	2.0	57	<0.1	4.7	3.8	801	2.67	2.3	0.7	2.4	1.0	9	<0.1	0.2	<0.1	27	0.27
111139	Soil	0.4	80.9	1.6	72	<0.1	21.5	21.9	730	4.51	1.1	0.3	3.2	0.5	26	0.1	0.1	<0.1	96	0.24
111140	Soil	0.5	50.3	4.8	62	0.1	23.2	16.4	468	3.21	2.8	0.3	2.8	1.1	9	<0.1	0.3	<0.1	76	0.15
111141	Soil	0.2	10.0	1.0	64	<0.1	3.7	5.1	520	2.52	0.9	0.2	1.4	0.4	7	<0.1	<0.1	<0.1	33	0.31
111142	Soil	0.2	39.4	2.7	49	<0.1	8.5	4.2	355	1.50	1.4	0.2	0.5	1.1	16	<0.1	<0.1	<0.1	23	0.21
111143	Soil	<0.1	7.9	0.7	61	<0.1	2.8	3.5	426	2.13	<0.5	0.4	0.9	0.5	10	<0.1	<0.1	<0.1	19	0.37
111144	Soil	0.1	9.4	1.4	77	<0.1	6.2	6.2	956	2.99	<0.5	0.4	1.6	0.6	12	0.1	<0.1	<0.1	30	0.39
111145	Soil	0.1	14.6	0.9	51	<0.1	4.0	6.8	408	2.37	1.2	0.3	<0.5	0.5	9	<0.1	<0.1	<0.1	32	0.29
111146	Soil	<0.1	17.6	0.6	59	<0.1	5.3	7.0	569	2.33	0.7	0.2	<0.5	0.1	9	<0.1	<0.1	<0.1	31	0.35
111147	Soil	0.2	32.5	1.3	72	<0.1	14.1	12.9	606	3.58	1.0	0.5	1.2	0.7	14	<0.1	<0.1	<0.1	60	0.34
111148	Soil	0.3	19.3	2.7	59	<0.1	8.6	7.5	400	2.30	2.7	0.3	<0.5	0.7	16	<0.1	<0.1	<0.1	33	0.15
111149	Soil	0.2	33.1	4.4	86	<0.1	37.0	10.1	486	3.22	1.7	1.2	0.6	3.8	22	0.1	<0.1	<0.1	50	0.55
111150	Soil	0.3	3.1	19.3	20	<0.1	3.6	1.1	30	0.42	1.7	1.0	<0.5	17.9	4	<0.1	<0.1	0.2	4	0.04
111151	Soil	0.3	18.8	16.7	65	<0.1	12.4	5.7	300	2.10	3.0	1.3	1.8	12.8	15	<0.1	0.3	0.1	21	0.30
111152	Soil	1.9	41.4	77.0	230	<0.1	31.6	11.5	462	3.88	4.0	1.7	2.9	11.4	14	0.5	0.3	0.4	39	0.28
111153	Soil	0.2	13.7	20.1	62	<0.1	10.1	5.0	307	1.82	2.3	1.7	2.3	18.8	14	<0.1	0.2	0.1	14	0.27
111154	Soil	1.2	5.2	14.4	39	0.2	6.7	2.9	189	1.74	5.9	0.9	<0.5	9.3	6	0.2	0.3	0.2	31	0.05
111155	Soil	0.6	21.9	8.8	59	0.2	17.9	5.8	199	1.58	6.2	0.8	2.7	2.0	23	0.3	0.5	0.1	34	0.54
111156	Soil	0.9	27.5	9.9	83	0.2	25.8	11.9	444	2.71	9.3	1.0	5.6	4.1	22	0.4	0.7	0.2	43	0.51
111157	Soil	2.4	29.4	10.0	67	0.2	23.5	16.3	2014	3.83	29.4	1.4	2.7	0.8	35	0.8	0.5	0.2	48	1.08
111158	Soil	0.8	18.4	9.2	49	<0.1	21.2	7.6	237	2.59	8.4	0.5	1.9	3.6	12	<0.1	0.4	0.2	55	0.14
111159	Soil	0.7	41.6	11.2	74	0.1	44.4	16.1	315	3.98	8.2	0.5	4.6	3.8	15	0.2	0.3	0.1	87	0.32
111160	Soil	1.4	41.6	25.2	75	0.5	11.9	4.9	121	2.63	9.3	1.2	3.7	16.6	22	<0.1	0.4	0.3	28	0.07



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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
111131	Soil	9	633	7.13	569	0.143	1	5.49	0.006	1.48	<0.1	<0.01	13.6	0.7	<0.05	11	<0.5	<0.2
111132	Soil	25	7	0.90	123	0.038	<1	1.58	0.002	0.03	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
111133	Soil	37	3	1.67	89	0.013	<1	2.03	0.003	0.03	<0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
111134	Soil	7	121	2.27	67	0.117	<1	2.59	0.002	0.03	<0.1	<0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
111135	Soil	1	28	5.51	535	0.227	1	5.85	0.003	1.01	<0.1	<0.01	7.0	0.2	<0.05	19	<0.5	<0.2
111136	Soil	5	232	4.49	160	0.133	<1	3.65	0.003	0.24	<0.1	<0.01	4.3	<0.1	<0.05	10	<0.5	<0.2
111137	Soil	10	95	1.40	211	0.075	<1	2.18	0.004	0.05	<0.1	<0.01	5.5	<0.1	<0.05	6	<0.5	<0.2
111138	Soil	12	3	0.30	213	0.003	<1	0.73	0.002	0.10	<0.1	<0.01	5.9	<0.1	<0.05	3	<0.5	<0.2
111139	Soil	2	26	2.29	356	0.203	<1	2.66	0.001	0.58	<0.1	<0.01	2.6	0.2	<0.05	7	<0.5	<0.2
111140	Soil	3	28	1.37	83	0.166	1	1.91	0.003	0.04	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
111141	Soil	1	4	0.80	181	0.094	<1	1.21	0.004	0.51	<0.1	<0.01	2.6	<0.1	0.06	5	<0.5	<0.2
111142	Soil	2	8	0.43	121	0.056	<1	0.80	0.003	0.24	<0.1	<0.01	1.3	<0.1	0.05	3	<0.5	<0.2
111143	Soil	6	3	0.43	159	0.017	<1	0.86	0.003	0.18	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
111144	Soil	7	9	0.81	272	0.039	<1	1.27	0.004	0.34	<0.1	<0.01	4.9	<0.1	<0.05	6	<0.5	<0.2
111145	Soil	5	4	0.62	228	0.068	<1	1.10	0.003	0.38	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
111146	Soil	3	6	0.83	236	0.084	<1	1.16	0.002	0.41	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
111147	Soil	4	17	1.48	325	0.077	<1	1.80	0.004	0.28	<0.1	<0.01	4.8	<0.1	<0.05	7	<0.5	<0.2
111148	Soil	2	10	0.89	88	0.057	<1	1.31	0.002	0.15	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
111149	Soil	12	43	1.22	358	0.039	<1	1.73	0.007	0.06	<0.1	<0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
111150	Soil	34	3	0.14	69	0.008	<1	0.38	0.002	0.09	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
111151	Soil	35	14	1.06	243	0.040	<1	1.31	0.006	0.06	<0.1	0.01	3.0	0.1	<0.05	5	<0.5	<0.2
111152	Soil	38	150	2.44	249	0.009	<1	2.72	0.006	0.06	<0.1	0.02	4.2	<0.1	<0.05	8	0.6	<0.2
111153	Soil	51	9	1.16	263	0.087	<1	1.37	0.006	0.35	<0.1	<0.01	3.2	0.3	<0.05	5	<0.5	<0.2
111154	Soil	21	13	0.31	108	0.028	<1	0.86	0.004	0.06	0.1	<0.01	1.3	0.1	<0.05	4	<0.5	<0.2
111155	Soil	11	22	0.42	283	0.033	2	1.10	0.012	0.04	0.1	0.05	2.5	<0.1	0.16	3	<0.5	<0.2
111156	Soil	14	27	0.53	338	0.042	1	1.30	0.013	0.06	0.2	0.05	3.4	<0.1	0.09	4	0.6	<0.2
111157	Soil	13	22	0.37	420	0.019	3	0.89	0.015	0.05	0.1	0.12	2.2	<0.1	0.24	3	1.3	<0.2
111158	Soil	11	35	0.57	193	0.058	<1	1.66	0.007	0.05	0.1	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
111159	Soil	10	79	1.08	326	0.097	<1	2.55	0.015	0.25	0.1	<0.01	7.7	0.2	<0.05	8	<0.5	<0.2
111160	Soil	44	15	0.43	165	0.023	<1	1.29	0.013	0.09	0.1	0.01	1.9	<0.1	0.10	4	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
111161	Soil	0.9	17.2	33.1	66	0.5	9.3	4.6	230	2.21	7.8	0.7	<0.5	6.5	12	0.2	0.3	0.3	38	0.12	0.055
111162	Soil	0.2	34.0	2.6	75	<0.1	11.0	9.1	241	2.99	3.2	0.6	<0.5	1.0	27	<0.1	<0.1	<0.1	59	0.55	0.184
111163	Soil	2.2	53.7	7.1	148	0.2	84.1	16.9	577	4.32	7.6	1.6	<0.5	6.5	16	0.3	0.3	0.1	100	0.24	0.048
111164	Soil	0.4	11.2	1.9	65	<0.1	10.0	6.4	573	2.54	2.8	0.7	<0.5	4.2	10	<0.1	<0.1	<0.1	42	0.41	0.173
111165	Soil	2.6	104.6	8.9	143	<0.1	86.9	20.9	1473	4.48	5.4	1.7	9.0	10.0	15	0.9	0.2	0.2	67	0.46	0.105
111166	Soil	0.1	19.4	1.7	56	<0.1	20.7	10.0	412	2.21	1.6	0.5	0.8	2.3	14	<0.1	<0.1	<0.1	47	0.49	0.146
111167	Soil	0.4	34.0	7.6	85	0.2	36.7	14.1	385	3.81	3.7	1.2	0.9	5.1	25	0.1	0.1	0.1	93	0.51	0.071
111168	Soil	0.6	18.2	7.2	64	0.1	16.7	7.0	216	1.81	4.5	0.9	2.4	3.4	20	0.2	0.4	0.1	34	0.33	0.074
111169	Soil	0.5	14.7	17.7	66	<0.1	9.8	7.5	238	1.64	3.3	1.7	<0.5	9.9	19	0.2	0.3	<0.1	9	0.15	0.039
111170	Soil	1.9	20.1	74.9	166	0.1	12.5	18.0	973	2.84	2.3	2.9	1.8	18.7	14	0.2	0.2	0.9	13	0.26	0.114
111171	Soil	7.5	38.1	318.2	186	0.5	10.2	6.3	701	2.55	4.2	5.0	9.5	24.1	9	0.6	0.3	2.7	7	0.20	0.082
111172	Soil	1.5	19.3	33.6	52	<0.1	6.4	7.5	276	1.71	18.1	2.8	1.7	18.0	15	0.3	0.4	0.4	4	0.17	0.068
111173	Soil	0.5	14.2	15.5	133	<0.1	8.5	8.2	671	2.87	2.5	1.7	<0.5	15.0	10	0.2	0.2	<0.1	18	0.17	0.055
111174	Soil	0.7	6.1	19.7	40	<0.1	5.9	4.4	191	1.28	3.8	1.0	<0.5	8.9	9	0.2	0.3	0.2	15	0.06	0.024
111175	Soil	3.6	14.6	54.1	47	0.3	6.5	4.0	143	2.01	4.6	4.1	0.8	31.1	26	<0.1	0.1	0.1	6	0.05	0.051
111176	Soil	0.6	11.4	41.2	37	<0.1	5.9	3.4	132	0.92	2.3	2.0	1.4	15.0	23	0.3	0.2	0.3	11	0.09	0.027
111177	Soil	0.5	14.3	26.7	81	<0.1	11.3	6.8	330	2.34	4.3	2.2	<0.5	16.9	11	0.2	0.2	0.2	17	0.07	0.024
111178	Soil	0.6	30.6	37.1	91	<0.1	65.8	18.4	305	3.48	4.6	2.4	1.5	19.6	14	<0.1	0.2	<0.1	42	0.20	0.009
111179	Soil	0.5	15.4	10.4	60	<0.1	13.6	7.7	302	1.83	4.5	1.9	2.8	10.9	15	0.1	0.3	<0.1	19	0.16	0.045
111180	Soil	0.9	31.5	25.2	80	0.2	11.6	8.9	301	2.16	4.8	1.7	2.0	7.5	10	0.2	0.3	0.1	22	0.16	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
111161	Soil	21	18	0.34	139	0.032	<1	1.09	0.007	0.06	0.1	<0.01	1.7	<0.1	<0.05	5	<0.5	0.2
111162	Soil	5	6	1.20	194	0.122	<1	1.94	0.012	0.37	<0.1	<0.01	2.3	0.1	<0.05	6	<0.5	<0.2
111163	Soil	18	94	1.45	273	0.073	<1	2.59	0.007	0.25	<0.1	<0.01	5.1	0.2	<0.05	9	1.1	<0.2
111164	Soil	12	14	0.65	135	0.039	<1	1.28	0.004	0.27	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
111165	Soil	40	40	1.83	133	0.005	<1	2.28	0.008	0.03	<0.1	0.01	8.2	<0.1	<0.05	6	0.9	<0.2
111166	Soil	6	31	0.95	139	0.108	<1	1.42	0.007	0.45	<0.1	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
111167	Soil	13	78	1.41	402	0.077	<1	2.37	0.012	0.15	<0.1	0.01	8.4	0.1	<0.05	8	1.5	<0.2
111168	Soil	13	20	0.48	246	0.043	1	1.09	0.012	0.05	0.1	0.02	2.5	<0.1	<0.05	3	0.5	<0.2
111169	Soil	19	9	0.59	113	0.092	<1	1.03	0.002	0.11	<0.1	<0.01	1.5	0.2	<0.05	3	<0.5	<0.2
111170	Soil	100	14	1.89	573	0.113	<1	1.77	0.004	0.39	<0.1	<0.01	2.1	0.4	<0.05	5	0.8	<0.2
111171	Soil	41	10	1.35	136	0.105	<1	1.27	0.002	0.09	<0.1	0.04	2.4	0.2	<0.05	4	<0.5	<0.2
111172	Soil	22	6	0.32	75	0.060	<1	0.77	0.002	0.07	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
111173	Soil	42	57	2.00	259	0.150	<1	1.83	0.003	0.51	<0.1	<0.01	2.6	0.5	<0.05	5	<0.5	<0.2
111174	Soil	17	9	0.38	87	0.036	<1	0.90	0.003	0.07	<0.1	<0.01	1.4	0.1	<0.05	3	<0.5	<0.2
111175	Soil	87	8	0.58	253	0.022	<1	0.90	0.009	0.15	<0.1	<0.01	1.4	0.2	0.22	4	<0.5	<0.2
111176	Soil	32	8	0.38	75	0.031	1	0.73	0.003	0.07	<0.1	<0.01	1.2	<0.1	<0.05	2	0.6	<0.2
111177	Soil	40	12	1.07	138	0.065	<1	1.48	0.003	0.23	<0.1	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
111178	Soil	48	88	3.04	276	0.238	<1	2.78	0.005	0.57	<0.1	<0.01	4.1	0.8	<0.05	8	0.8	<0.2
111179	Soil	20	16	0.98	144	0.064	<1	1.11	0.003	0.13	0.1	<0.01	1.7	0.1	<0.05	4	<0.5	<0.2
111180	Soil	24	19	1.28	257	0.048	<1	1.47	0.002	0.04	<0.1	0.02	2.2	<0.1	<0.05	4	0.8	<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																					
104088	Soil	0.7	45.7	5.8	74	0.1	51.5	17.4	440	3.33	1.2	0.5	0.8	2.0	17	0.2	<0.1	<0.1	62	0.43	0.097
REP 104088	QC	0.8	43.7	5.4	72	<0.1	49.4	17.5	440	3.46	1.1	0.5	0.8	1.9	18	0.2	<0.1	<0.1	61	0.41	0.090
104102	Soil	0.4	69.8	5.1	77	<0.1	118.2	31.2	627	3.18	2.0	0.5	5.1	1.4	19	<0.1	0.3	<0.1	71	0.47	0.133
REP 104102	QC	0.4	69.1	5.1	78	<0.1	119.1	30.5	609	3.11	2.0	0.5	5.3	1.3	19	<0.1	0.3	<0.1	71	0.47	0.135
104124	Soil	0.9	74.9	24.3	88	0.3	22.6	15.5	529	3.38	9.9	1.9	7.8	7.6	10	<0.1	0.6	0.2	65	0.11	0.022
REP 104124	QC	0.8	69.3	24.5	82	0.2	21.1	14.9	513	3.30	9.1	1.9	5.4	7.2	10	<0.1	0.7	0.2	62	0.11	0.022
104143	Soil	1.1	76.2	13.5	104	0.2	56.9	12.6	230	3.67	4.3	0.9	<0.5	8.5	48	0.1	0.3	0.2	88	0.18	0.079
REP 104143	QC	1.1	77.9	13.7	104	0.2	54.6	11.8	229	3.71	4.4	0.9	0.9	8.5	49	0.1	0.3	0.2	88	0.19	0.073
107106	Soil	1.5	78.9	27.7	253	0.1	74.6	23.0	777	4.07	3.3	2.0	1.0	15.8	7	0.4	0.7	0.2	46	0.09	0.040
REP 107106	QC	1.5	80.6	28.2	255	0.1	74.8	23.0	797	4.12	3.1	2.1	1.0	16.0	7	0.5	0.6	0.3	48	0.10	0.041
107111	Soil	<0.1	21.8	6.8	117	<0.1	43.8	5.7	252	3.06	0.7	0.8	0.6	7.4	7	0.1	0.1	<0.1	21	0.10	0.027
REP 107111	QC	0.1	21.2	6.4	110	<0.1	43.0	5.3	244	2.92	1.1	0.7	0.9	7.0	7	<0.1	<0.1	<0.1	20	0.10	0.025
107139	Soil	1.6	56.7	12.6	91	0.2	45.0	18.0	543	3.93	8.6	1.9	3.6	5.3	22	0.2	0.5	0.2	96	0.44	0.072
REP 107139	QC	1.7	56.7	12.5	91	0.2	45.9	17.7	532	3.92	8.6	1.9	2.7	5.3	22	0.2	0.5	0.2	95	0.44	0.072
107154	Soil	1.1	32.3	12.5	78	0.2	41.6	13.1	332	3.49	6.3	1.0	1.1	6.7	17	0.2	0.3	0.1	79	0.30	0.022
REP 107154	QC	1.1	32.9	11.6	82	0.2	42.4	13.9	357	3.68	6.3	1.0	10.0	7.2	18	0.1	0.4	0.1	82	0.31	0.023
107166	Soil	0.8	30.7	9.3	66	<0.1	23.6	6.8	196	2.22	6.5	1.1	2.4	4.6	28	0.1	0.6	0.2	52	0.35	0.063
REP 107166	QC	0.9	30.5	9.4	66	0.1	23.4	6.8	189	2.20	6.7	1.2	8.8	4.5	29	<0.1	0.5	0.2	50	0.35	0.061
107195	Soil	2.1	10.0	3.6	153	<0.1	17.5	3.6	909	2.89	1.1	1.5	<0.5	10.2	10	0.5	0.2	<0.1	14	0.17	0.056
REP 107195	QC	2.2	10.1	3.7	157	<0.1	18.1	3.7	905	3.07	1.4	1.6	1.6	10.2	9	0.3	0.2	<0.1	14	0.18	0.055
108188	Soil	0.2	21.1	5.7	56	<0.1	13.3	7.8	710	2.60	1.4	0.6	1.2	7.0	38	<0.1	<0.1	<0.1	23	0.28	0.109
REP 108188	QC	0.2	20.5	6.2	57	<0.1	13.0	7.9	682	2.71	1.4	0.6	<0.5	6.9	37	0.1	<0.1	<0.1	23	0.28	0.110
108211	Soil	0.4	16.0	10.7	29	<0.1	13.2	4.2	194	1.44	4.0	1.0	<0.5	10.1	16	<0.1	0.2	0.1	20	0.13	0.011
REP 108211	QC	0.5	15.8	10.9	29	<0.1	13.2	4.3	196	1.59	4.0	1.0	1.6	10.0	17	<0.1	0.2	0.1	19	0.14	0.009
108220	Soil	0.4	14.4	20.4	48	<0.1	11.0	5.2	160	1.80	4.0	1.5	0.5	13.9	9	<0.1	0.2	0.2	21	0.08	0.016
REP 108220	QC	0.4	15.1	20.1	50	<0.1	11.1	5.3	169	1.85	3.8	1.5	1.9	13.9	9	<0.1	0.3	0.2	21	0.08	0.017
108250	Soil	0.8	28.0	9.0	67	<0.1	24.6	9.0	319	2.33	10.0	0.7	3.6	5.0	25	0.3	0.8	0.1	41	0.33	0.067
REP 108250	QC	0.9	29.2	9.3	70	<0.1	26.0	9.0	332	2.36	10.1	0.7	2.2	5.1	25	0.2	0.8	<0.1	41	0.34	0.068



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Project:

Aussie-Melba

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Part 2

QUALITY CONTROL REPORT

WHI11000246.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
104088	Soil	5	83	2.05	216	0.111	<1	2.29	0.003	0.34	<0.1	<0.01	2.7	0.2	<0.05	6	<0.5	<0.2
REP 104088	QC	5	83	1.96	217	0.118	<1	2.22	0.003	0.32	<0.1	<0.01	2.7	0.2	<0.05	6	<0.5	<0.2
104102	Soil	5	164	2.49	224	0.066	<1	2.43	0.004	0.14	0.2	0.01	6.1	<0.1	<0.05	6	<0.5	<0.2
REP 104102	QC	5	161	2.40	223	0.066	<1	2.39	0.003	0.14	0.2	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
104124	Soil	21	32	1.32	272	0.085	<1	2.05	0.005	0.07	<0.1	0.04	5.8	0.1	<0.05	6	<0.5	<0.2
REP 104124	QC	21	30	1.28	286	0.080	<1	2.01	0.005	0.07	0.1	0.05	5.7	<0.1	<0.05	5	<0.5	<0.2
104143	Soil	10	73	0.93	227	0.034	<1	2.74	0.003	0.18	<0.1	0.01	3.7	0.2	<0.05	9	<0.5	<0.2
REP 104143	QC	10	73	0.97	240	0.038	<1	2.85	0.004	0.19	<0.1	<0.01	4.0	0.2	<0.05	9	<0.5	<0.2
107106	Soil	42	49	1.72	235	0.019	<1	2.42	0.003	0.04	<0.1	0.02	3.4	0.2	<0.05	6	1.3	<0.2
REP 107106	QC	42	49	1.75	235	0.019	<1	2.49	0.004	0.04	<0.1	0.01	3.5	0.1	<0.05	7	1.5	<0.2
107111	Soil	27	23	0.92	138	0.051	<1	1.65	0.003	0.04	<0.1	<0.01	5.3	<0.1	<0.05	8	<0.5	<0.2
REP 107111	QC	26	22	0.88	131	0.048	<1	1.54	0.002	0.04	<0.1	<0.01	4.9	<0.1	<0.05	7	<0.5	<0.2
107139	Soil	13	55	0.82	355	0.075	<1	2.24	0.014	0.11	<0.1	0.02	5.6	<0.1	<0.05	8	0.7	<0.2
REP 107139	QC	13	55	0.81	355	0.079	<1	2.27	0.014	0.12	0.1	0.02	5.6	<0.1	<0.05	8	0.8	<0.2
107154	Soil	11	84	1.51	419	0.139	<1	2.45	0.009	0.68	0.1	0.01	5.8	0.3	<0.05	9	<0.5	<0.2
REP 107154	QC	11	88	1.61	441	0.140	<1	2.56	0.010	0.70	0.2	0.01	6.2	0.3	<0.05	9	<0.5	<0.2
107166	Soil	15	33	0.54	350	0.067	<1	1.35	0.012	0.04	0.2	0.02	3.2	<0.1	<0.05	4	0.5	<0.2
REP 107166	QC	15	32	0.51	363	0.063	<1	1.34	0.011	0.04	0.2	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
107195	Soil	75	6	0.62	257	0.109	<1	1.38	0.003	0.63	<0.1	<0.01	2.4	0.1	<0.05	9	<0.5	<0.2
REP 107195	QC	75	7	0.63	272	0.115	<1	1.43	0.004	0.65	<0.1	<0.01	2.6	0.1	0.06	10	0.5	<0.2
108188	Soil	21	14	1.15	276	0.126	<1	1.43	0.003	0.61	<0.1	<0.01	1.9	0.2	<0.05	5	<0.5	<0.2
REP 108188	QC	20	14	1.12	286	0.127	<1	1.47	0.003	0.59	<0.1	<0.01	1.9	0.2	<0.05	4	<0.5	<0.2
108211	Soil	22	26	0.47	148	0.018	<1	1.23	0.003	0.06	<0.1	0.02	4.0	<0.1	<0.05	3	<0.5	<0.2
REP 108211	QC	22	28	0.48	150	0.018	<1	1.22	0.003	0.06	<0.1	0.01	3.9	<0.1	<0.05	3	<0.5	<0.2
108220	Soil	41	21	0.77	198	0.070	<1	1.25	0.004	0.14	<0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
REP 108220	QC	41	21	0.79	211	0.072	<1	1.25	0.004	0.14	<0.1	0.01	2.4	0.1	<0.05	4	<0.5	<0.2
108250	Soil	15	29	0.48	335	0.054	<1	1.22	0.011	0.05	0.2	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
REP 108250	QC	16	31	0.51	332	0.055	<1	1.23	0.011	0.06	0.1	0.04	3.3	<0.1	<0.05	4	0.6	<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
108263	Soil	1.4	39.1	11.2	76	0.1	40.9	12.2	337	3.12	7.9	1.4	6.4	5.2	29	0.1	0.7	0.2	59	0.40
REP 108263	QC	1.3	39.2	10.6	76	0.1	41.0	12.1	338	3.16	8.5	1.4	2.8	5.4	29	0.2	0.7	0.2	61	0.41
111127	Soil	3.0	67.5	24.3	154	0.4	61.7	26.6	1460	5.01	2.7	0.8	2.5	19.1	18	0.5	0.1	0.2	37	2.25
REP 111127	QC	2.7	65.9	24.2	152	0.4	63.5	25.9	1394	4.75	2.6	0.7	<0.5	19.5	18	0.2	0.2	0.3	36	2.20
111145	Soil	0.1	14.6	0.9	51	<0.1	4.0	6.8	408	2.37	1.2	0.3	<0.5	0.5	9	<0.1	<0.1	<0.1	32	0.29
REP 111145	QC	0.1	14.1	1.0	50	<0.1	4.1	6.5	399	2.37	0.9	0.3	1.0	0.6	9	<0.1	<0.1	<0.1	32	0.29
111171	Soil	7.5	38.1	318.2	186	0.5	10.2	6.3	701	2.55	4.2	5.0	9.5	24.1	9	0.6	0.3	2.7	7	0.20
REP 111171	QC	7.7	37.6	323.3	186	0.6	10.3	6.4	709	2.56	4.2	5.1	6.3	24.4	9	0.6	0.3	2.7	7	0.20
Reference Materials																				
STD DS8	Standard	12.2	111.2	128.8	308	1.7	39.0	7.5	580	2.39	25.3	2.7	105.4	6.6	54	2.2	4.7	5.9	42	0.63
STD DS8	Standard	14.6	122.2	137.9	356	1.9	41.7	8.4	662	2.64	29.0	3.2	118.2	7.7	62	2.5	5.6	6.5	46	0.75
STD DS8	Standard	13.1	118.2	128.9	329	1.8	40.7	8.2	635	2.51	25.2	2.9	124.0	6.7	66	2.3	6.1	6.7	43	0.68
STD DS8	Standard	13.9	122.1	131.7	335	1.8	40.8	8.2	643	2.57	26.7	2.8	119.1	6.6	68	2.6	6.1	6.7	46	0.69
STD DS8	Standard	13.0	111.1	127.9	311	1.7	37.3	7.5	623	2.45	26.9	2.9	119.0	7.1	65	2.2	6.3	6.6	42	0.66
STD DS8	Standard	12.9	109.2	125.9	309	1.7	37.6	7.4	598	2.45	26.2	2.9	103.6	6.9	68	2.2	5.7	6.5	41	0.67
STD DS8	Standard	12.8	107.1	125.0	300	1.7	36.8	7.2	592	2.40	25.2	2.7	105.9	6.6	62	2.2	5.4	6.6	41	0.63
STD DS8	Standard	12.8	102.9	122.4	302	1.7	37.5	7.6	581	2.35	25.6	2.7	95.9	6.4	64	2.2	5.7	6.5	43	0.65
STD DS8	Standard	14.0	114.3	127.8	318	1.9	39.0	8.0	630	2.45	26.8	3.0	105.9	7.2	68	2.6	6.1	6.9	42	0.67
STD DS8	Standard	13.0	112.0	121.4	310	1.8	37.7	7.7	599	2.38	25.5	2.9	111.8	6.8	67	2.5	6.0	6.6	40	0.66
STD DS8	Standard	11.9	103.3	120.4	308	1.8	36.5	7.3	612	2.47	26.4	2.6	122.7	6.1	60	2.3	5.4	6.2	39	0.68
STD DS8	Standard	13.4	104.5	122.4	312	1.8	37.5	7.3	621	2.49	26.5	2.7	118.6	6.6	63	2.3	5.4	6.1	40	0.70
STD DS8	Standard	13.7	113.8	131.4	323	1.8	39.0	7.7	627	2.46	27.0	2.9	111.6	7.2	66	1.9	5.9	6.9	43	0.69
STD DS8	Standard	13.8	118.0	126.8	335	1.8	39.7	7.8	640	2.47	27.5	2.9	109.6	7.2	67	2.4	6.2	6.9	44	0.68
STD DS8	Standard	13.4	121.0	136.0	328	1.7	39.8	7.7	645	2.54	28.0	2.8	114.1	7.1	73	2.4	6.1	7.3	45	0.72
STD DS8	Standard	14.9	126.3	129.2	340	1.9	42.4	8.4	685	2.69	29.6	3.0	105.7	7.2	76	2.6	6.1	6.8	50	0.79
STD DS8	Standard	12.5	111.5	133.0	328	1.8	37.6	7.6	599	2.42	25.1	2.8	124.1	6.7	52	2.4	5.1	5.5	40	0.62
STD DS8	Standard	14.1	115.2	135.8	320	1.9	39.8	7.8	622	2.50	26.3	3.0	115.8	7.3	61	2.5	5.2	5.6	42	0.73
STD DS8	Standard	14.6	114.4	130.6	351	2.0	41.9	7.7	657	2.66	28.7	2.9	133.4	7.1	73	2.6	6.2	7.1	45	0.76
STD DS8	Standard	14.2	107.3	126.7	320	1.7	36.1	7.4	636	2.53	28.4	2.9	109.4	7.2	74	2.5	6.0	6.9	43	0.74



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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
108263	Soil	18	55	0.69	410	0.053	<1	2.18	0.010	0.06	<0.1	0.03	5.4	<0.1	<0.05	7	0.7	<0.2
REP 108263	QC	18	55	0.71	407	0.052	<1	2.18	0.010	0.07	<0.1	0.05	5.1	<0.1	<0.05	7	<0.5	<0.2
111127	Soil	52	30	1.45	450	0.001	<1	1.90	0.003	0.05	<0.1	<0.01	4.3	<0.1	0.09	5	2.8	<0.2
REP 111127	QC	53	29	1.41	443	0.002	1	1.87	0.003	0.05	<0.1	<0.01	4.0	<0.1	<0.05	5	2.1	<0.2
111145	Soil	5	4	0.62	228	0.068	<1	1.10	0.003	0.38	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
REP 111145	QC	5	4	0.62	227	0.064	<1	1.10	0.003	0.37	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
111171	Soil	41	10	1.35	136	0.105	<1	1.27	0.002	0.09	<0.1	0.04	2.4	0.2	<0.05	4	<0.5	<0.2
REP 111171	QC	41	9	1.36	135	0.105	<1	1.28	<0.001	0.09	<0.1	0.04	2.4	0.2	<0.05	4	0.5	<0.2
Reference Materials																		
STD DS8	Standard	12	116	0.59	256	0.100	3	0.87	0.083	0.38	3.0	0.20	1.7	5.4	0.17	4	5.6	4.6
STD DS8	Standard	15	129	0.67	301	0.114	3	0.97	0.100	0.45	3.3	0.21	2.1	5.9	0.16	5	6.5	5.1
STD DS8	Standard	14	123	0.63	287	0.125	3	0.92	0.090	0.44	3.0	0.22	2.2	5.6	0.16	5	6.1	5.7
STD DS8	Standard	14	124	0.65	293	0.126	3	0.96	0.091	0.46	3.0	0.21	2.3	5.8	0.21	5	5.1	5.1
STD DS8	Standard	14	117	0.60	269	0.113	3	0.89	0.094	0.41	2.9	0.22	2.1	5.4	0.14	5	4.9	5.6
STD DS8	Standard	14	112	0.58	279	0.114	2	0.90	0.091	0.39	3.1	0.19	2.2	5.3	0.12	5	5.0	5.6
STD DS8	Standard	13	113	0.55	265	0.106	2	0.87	0.083	0.40	2.8	0.21	2.0	5.1	0.13	5	6.2	4.6
STD DS8	Standard	14	113	0.56	265	0.109	2	0.90	0.087	0.41	2.8	0.20	1.9	5.2	0.14	4	5.6	4.9
STD DS8	Standard	16	122	0.61	285	0.127	4	0.92	0.090	0.43	3.2	0.20	2.1	5.5	0.16	5	5.6	4.9
STD DS8	Standard	14	117	0.60	272	0.122	1	0.88	0.090	0.43	3.0	0.19	2.1	5.2	0.15	5	4.9	5.0
STD DS8	Standard	14	112	0.61	263	0.108	3	0.87	0.089	0.41	3.0	0.19	2.2	5.6	0.20	5	5.2	4.9
STD DS8	Standard	16	114	0.61	273	0.113	3	0.91	0.089	0.41	3.0	0.22	2.3	5.6	0.17	5	5.7	5.3
STD DS8	Standard	15	120	0.64	280	0.118	1	0.93	0.087	0.41	3.0	0.21	2.0	5.4	0.14	5	5.4	5.1
STD DS8	Standard	15	121	0.63	278	0.121	2	0.91	0.088	0.42	2.9	0.22	2.1	5.5	0.16	5	5.0	5.2
STD DS8	Standard	15	124	0.63	305	0.126	3	0.94	0.101	0.43	3.1	0.22	2.2	5.3	0.17	5	6.1	4.6
STD DS8	Standard	16	133	0.69	297	0.137	2	1.03	0.102	0.49	3.2	0.21	2.8	5.5	0.32	5	6.0	5.3
STD DS8	Standard	9	115	0.60	249	0.096	2	0.84	0.076	0.40	3.1	0.20	1.6	5.4	0.17	5	5.0	4.8
STD DS8	Standard	12	119	0.64	279	0.113	2	0.97	0.090	0.45	2.9	0.21	1.9	5.6	0.16	5	5.1	5.0
STD DS8	Standard	15	124	0.68	304	0.122	5	1.01	0.087	0.45	3.3	0.20	2.2	5.8	0.18	5	4.3	5.5
STD DS8	Standard	16	118	0.65	306	0.122	4	0.95	0.086	0.43	3.3	0.21	2.2	5.5	0.14	5	6.0	5.4



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Project:

Aussie-Melba

Report Date:

June 27, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000246.1

		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	13.2	108.4	132.4	321	1.8	39.2	7.5	652	2.55	26.8	2.9	103.9	7.2	74	2.2	5.7	6.9	40	0.70	0.087
STD DS8	Standard	13.3	105.1	133.7	325	1.9	40.5	7.7	678	2.68	27.1	2.8	107.9	7.1	73	2.4	5.9	7.0	41	0.72	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	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	0.7	<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

WHI11000246.1

		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	15	117	0.64	280	0.125	3	0.95	0.101	0.44	3.2	0.20	2.0	5.8	0.14	5	5.1	5.4
STD DS8	Standard	15	126	0.62	268	0.127	3	0.98	0.099	0.44	3.0	0.19	2.2	5.7	0.16	5	5.1	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
BLK	Blank	<1	<1	<0.01	<1	<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 17, 2011
Report Date: July 02, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000247.1

CLIENT JOB INFORMATION

Project: Aussie-Melba
Shipment ID: 20110614090537
P.O. Number
Number of Samples: 304

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	304	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	304	Dry at 60C			WHI
1DX2	304	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:

Aussie-Melba

Report Date:

July 02, 2011

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CERTIFICATE OF ANALYSIS

WHI11000247.1

	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
111181	Soil	0.5	44.3	16.2	98	0.2	14.1	10.1	366	2.11	2.0	2.3	2.8	14.5	17	0.6	0.2	<0.1	12	0.27	0.056
111182	Soil	0.9	170.6	10.1	96	0.5	25.7	33.1	1077	7.10	3.7	0.6	2.6	3.0	10	0.2	0.2	<0.1	206	0.24	0.072
111183	Soil	0.6	12.8	12.8	72	<0.1	11.5	6.3	214	2.30	2.4	1.5	<0.5	9.9	19	0.2	0.2	<0.1	16	0.16	0.045
111184	Soil	0.5	123.6	13.2	78	0.5	29.5	28.4	553	6.08	3.8	0.2	5.8	1.1	7	0.1	0.3	<0.1	163	0.12	0.039
111185	Soil	0.3	16.2	9.3	57	0.1	7.2	5.0	220	2.01	4.1	0.8	2.8	7.0	8	<0.1	0.2	0.1	21	0.05	0.019
111186	Soil	1.4	56.9	5.3	85	<0.1	49.9	20.9	704	4.25	4.7	0.8	2.8	2.2	17	0.1	0.3	<0.1	86	0.19	0.052
111187	Soil	0.3	72.9	2.4	75	<0.1	24.8	19.5	591	3.67	2.1	0.3	2.8	0.9	20	<0.1	0.2	<0.1	77	0.29	0.054
111188	Soil	0.7	19.8	8.5	61	<0.1	13.0	11.0	350	3.50	7.2	0.5	1.2	3.8	9	0.2	0.3	<0.1	60	0.08	0.027
111189	Soil	<0.1	32.7	4.2	33	<0.1	58.9	13.4	277	2.13	1.3	0.2	0.6	1.4	8	<0.1	<0.1	<0.1	32	0.12	0.024
111190	Soil	0.2	33.9	4.2	33	<0.1	59.7	13.6	296	2.17	1.3	0.2	<0.5	1.5	9	<0.1	0.1	<0.1	34	0.12	0.028
111191	Soil	0.8	8.8	10.2	35	<0.1	13.6	3.7	298	1.48	4.9	1.3	3.6	10.7	8	<0.1	0.1	0.1	9	0.08	0.035
111192	Soil	0.7	6.0	15.3	39	<0.1	7.0	3.7	199	1.60	7.2	1.1	<0.5	5.7	12	<0.1	0.3	0.2	19	0.08	0.026
111193	Soil	0.3	36.5	6.9	25	<0.1	16.8	7.8	174	1.55	3.3	0.7	1.5	2.6	10	<0.1	0.2	<0.1	19	0.12	0.013
111194	Soil	0.4	6.5	9.0	66	<0.1	4.7	3.2	349	2.05	2.1	0.9	0.6	6.1	15	<0.1	0.1	<0.1	7	0.12	0.030
111195	Soil	0.2	69.6	3.1	47	<0.1	90.9	24.4	674	3.76	3.9	0.4	1.7	1.2	10	<0.1	<0.1	<0.1	59	0.22	0.062
111196	Soil	0.9	31.8	11.6	50	<0.1	12.4	5.3	375	2.26	3.3	0.8	1.0	6.4	6	0.1	0.2	0.3	25	0.06	0.020
111197	Soil	0.1	5.9	3.1	48	<0.1	1.9	2.7	273	1.61	0.6	0.1	<0.5	0.8	14	0.1	<0.1	<0.1	11	0.24	0.095
111198	Soil	0.2	13.9	1.5	77	<0.1	9.0	5.1	381	2.13	0.6	0.5	1.1	1.6	14	<0.1	<0.1	<0.1	13	0.23	0.065
111199	Soil	0.3	26.6	4.9	66	<0.1	12.3	7.5	383	2.48	1.2	0.5	1.3	2.9	11	0.1	<0.1	<0.1	18	0.15	0.023
111200	Soil	1.1	59.4	21.1	94	<0.1	38.1	16.1	958	4.53	3.1	1.3	4.9	3.7	14	0.9	0.2	<0.1	69	0.22	0.053
111201	Soil	0.8	60.2	10.0	79	<0.1	64.5	17.7	496	4.04	5.4	2.1	2.2	6.1	21	<0.1	0.3	0.1	72	0.28	0.056
111202	Soil	6.3	77.4	18.7	151	0.1	63.0	20.2	805	3.70	5.4	3.1	3.1	8.5	11	0.3	0.5	0.3	50	0.08	0.037
111203	Soil	0.4	99.2	7.9	73	<0.1	89.6	29.5	775	4.36	1.7	0.5	1.6	1.6	27	0.4	0.1	<0.1	108	0.48	0.083
111204	Soil	1.7	39.6	19.9	75	0.1	37.4	12.6	436	2.99	10.2	1.3	1.8	5.1	31	0.6	0.9	0.2	60	0.42	0.062
111205	Soil	1.1	37.8	13.0	75	0.2	31.9	10.5	406	2.75	11.1	0.8	3.5	5.1	29	0.2	0.9	0.2	52	0.43	0.068
111206	Soil	0.9	44.1	10.3	76	0.1	34.1	11.3	403	2.91	9.6	0.6	3.0	4.7	29	0.2	0.8	0.2	57	0.40	0.069
111207	Soil	1.1	56.9	14.1	76	0.1	38.0	16.8	705	3.51	8.7	0.8	3.0	5.1	26	0.3	0.7	0.2	72	0.39	0.060
111208	Soil	1.4	32.7	13.6	80	<0.1	34.1	11.4	296	3.19	7.6	1.2	2.2	6.0	21	0.2	0.7	0.2	61	0.22	0.026
111209	Soil	0.9	31.4	14.8	59	0.1	19.0	9.6	331	3.20	9.9	0.6	3.0	3.8	10	0.4	0.7	0.2	67	0.09	0.025
111210	Soil	1.3	58.0	17.2	93	<0.1	45.2	20.1	906	4.67	1.5	1.6	1.3	13.5	6	0.4	<0.1	0.4	42	0.26	0.124



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000247.1

	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
111181	Soil	38	15	1.55	356	0.051	<1	1.59	0.002	0.04	<0.1	0.02	2.4	<0.1	0.14	4	<0.5	<0.2
111182	Soil	5	96	4.83	342	0.164	2	4.80	0.003	0.13	<0.1	0.02	14.3	<0.1	<0.05	14	<0.5	<0.2
111183	Soil	22	18	1.57	124	0.139	<1	1.73	0.003	0.35	<0.1	0.02	1.8	0.3	<0.05	6	<0.5	<0.2
111184	Soil	3	28	4.57	178	0.060	1	4.51	0.003	0.02	<0.1	0.03	17.0	<0.1	<0.05	10	0.6	<0.2
111185	Soil	18	11	0.79	192	0.085	<1	1.33	0.004	0.22	<0.1	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
111186	Soil	4	63	1.87	165	0.141	<1	2.41	0.003	0.22	<0.1	0.02	3.0	0.2	<0.05	6	1.4	<0.2
111187	Soil	3	31	2.28	169	0.117	<1	2.41	0.002	0.10	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
111188	Soil	6	19	0.95	142	0.086	<1	2.05	0.007	0.22	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
111189	Soil	3	172	1.49	33	0.081	<1	1.56	0.002	0.05	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
111190	Soil	3	172	1.49	38	0.076	<1	1.60	0.003	0.05	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
111191	Soil	21	10	0.27	84	0.034	<1	0.84	0.003	0.16	<0.1	0.02	1.5	0.1	<0.05	3	<0.5	<0.2
111192	Soil	13	12	0.24	67	0.026	<1	0.97	0.004	0.12	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
111193	Soil	7	32	0.61	62	0.055	<1	1.02	0.003	0.03	<0.1	0.02	1.5	<0.1	<0.05	2	0.6	<0.2
111194	Soil	9	6	0.60	60	0.052	2	1.31	0.002	0.06	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
111195	Soil	5	209	2.60	50	0.089	<1	2.69	0.002	0.02	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
111196	Soil	21	35	0.42	117	0.012	<1	1.46	0.003	0.08	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
111197	Soil	2	2	0.41	115	0.089	<1	0.86	0.002	0.37	<0.1	0.03	1.2	0.2	<0.05	3	<0.5	<0.2
111198	Soil	5	14	0.90	104	0.073	<1	1.34	0.005	0.10	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
111199	Soil	6	20	1.39	118	0.076	1	1.81	<0.001	0.11	<0.1	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
111200	Soil	11	51	2.00	188	0.108	1	2.71	0.010	0.09	<0.1	0.04	6.2	<0.1	<0.05	7	<0.5	<0.2
111201	Soil	15	102	1.98	247	0.088	<1	2.52	0.004	0.05	<0.1	0.04	5.7	0.1	<0.05	6	<0.5	0.2
111202	Soil	26	55	1.31	251	0.045	<1	2.16	0.005	0.05	<0.1	0.02	3.6	<0.1	<0.05	5	1.2	<0.2
111203	Soil	3	227	3.51	493	0.143	<1	3.39	0.007	0.63	<0.1	0.03	4.2	0.3	<0.05	7	0.7	<0.2
111204	Soil	15	45	0.81	466	0.065	<1	1.78	0.017	0.06	0.2	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2
111205	Soil	16	36	0.68	465	0.054	<1	1.54	0.016	0.05	0.2	0.06	3.7	<0.1	<0.05	5	0.9	<0.2
111206	Soil	14	42	0.83	440	0.066	2	1.57	0.013	0.06	0.1	0.05	3.9	<0.1	<0.05	4	0.8	<0.2
111207	Soil	15	51	1.08	571	0.076	<1	1.96	0.014	0.07	0.1	0.04	4.9	<0.1	<0.05	6	<0.5	<0.2
111208	Soil	19	54	0.95	374	0.086	<1	1.89	0.010	0.07	0.1	0.03	4.6	0.1	<0.05	6	0.7	<0.2
111209	Soil	11	30	0.80	156	0.062	<1	2.07	0.008	0.05	0.1	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
111210	Soil	33	34	2.34	98	0.045	<1	2.66	0.005	0.16	<0.1	0.02	3.7	0.3	<0.05	7	<0.5	<0.2



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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
111211	Soil	0.4	98.8	12.3	58	<0.1	61.4	30.8	1172	6.09	2.3	0.3	<0.5	1.6	5	<0.1	0.1	<0.1	231	0.15	0.052
111212	Soil	0.6	59.4	7.1	99	0.2	73.7	18.6	519	4.89	4.2	0.6	<0.5	1.9	12	0.2	0.2	<0.1	119	0.21	0.074
111213	Soil	1.4	51.2	12.4	102	0.2	53.3	21.1	639	4.38	2.7	1.0	<0.5	5.5	15	0.3	0.1	0.1	94	0.22	0.096
111214	Soil	0.6	99.0	13.3	79	<0.1	50.2	19.9	702	4.29	2.0	1.4	3.3	6.3	22	0.2	0.3	0.1	95	0.29	0.055
111215	Soil	0.4	100.3	6.3	80	<0.1	44.1	21.4	863	4.05	1.3	1.1	2.4	3.8	29	0.1	0.1	<0.1	94	0.35	0.065
111216	Soil	1.0	62.7	10.4	73	<0.1	48.0	17.3	544	4.67	3.6	0.7	0.8	4.9	11	<0.1	0.3	0.2	90	0.11	0.035
111217	Soil	1.0	53.4	12.0	69	<0.1	45.9	16.0	380	3.77	8.2	2.0	3.5	8.2	17	<0.1	0.8	0.2	82	0.15	0.022
111218	Soil	0.6	16.1	6.7	50	<0.1	15.9	6.4	172	1.59	3.0	2.5	1.5	11.2	15	<0.1	0.3	<0.1	24	0.08	0.028
111219	Soil	0.4	48.5	8.4	68	<0.1	33.6	13.6	464	2.94	1.5	2.0	<0.5	14.0	20	<0.1	0.2	<0.1	68	0.24	0.047
111220	Soil	0.5	30.3	15.9	89	<0.1	21.2	7.9	463	2.36	1.3	3.8	1.2	18.1	19	<0.1	0.1	0.2	28	0.28	0.079
111221	Soil	0.5	63.1	4.4	55	<0.1	61.0	15.4	349	3.01	3.7	0.5	1.4	2.9	12	<0.1	0.4	<0.1	77	0.19	0.031
111222	Soil	0.7	38.6	3.3	68	<0.1	53.2	17.9	471	3.99	2.4	0.2	<0.5	1.3	8	<0.1	0.2	<0.1	73	0.12	0.026
111223	Soil	0.7	33.0	7.8	49	<0.1	21.1	8.8	354	2.13	2.0	0.8	2.2	8.2	14	<0.1	0.2	<0.1	36	0.11	0.024
111224	Soil	0.7	31.3	5.4	70	<0.1	15.9	14.0	399	3.41	3.5	0.8	<0.5	5.4	18	<0.1	0.3	<0.1	74	0.18	0.014
111225	Soil	0.8	35.8	79.0	144	0.1	33.9	12.4	564	3.64	8.4	1.2	4.2	7.4	17	0.3	0.6	0.3	71	0.20	0.018
111226	Soil	0.4	54.8	6.9	78	<0.1	34.2	15.8	475	3.65	1.8	0.5	<0.5	3.2	13	<0.1	0.2	<0.1	76	0.13	0.013
111227	Soil	0.5	60.5	4.5	90	<0.1	51.4	24.1	875	4.90	1.6	0.5	2.0	3.2	11	<0.1	0.2	<0.1	132	0.20	0.057
111228	Soil	0.7	40.6	4.1	80	<0.1	40.2	16.2	423	3.64	1.0	0.7	1.2	2.4	16	0.2	0.1	<0.1	94	0.51	0.130
112111	Soil	1.2	53.1	9.8	77	<0.1	11.7	5.8	1077	5.02	1.3	1.0	3.3	12.6	38	<0.1	0.1	<0.1	52	0.46	0.101
112112	Soil	0.6	64.9	8.0	69	<0.1	5.5	4.0	547	3.67	1.9	0.6	<0.5	6.2	35	<0.1	0.1	<0.1	26	0.27	0.077
112113	Soil	0.6	20.0	23.9	93	<0.1	98.5	26.7	1530	5.35	2.3	1.2	4.1	6.8	29	0.2	0.2	0.1	94	0.54	0.038
112114	Soil	0.4	46.7	10.3	94	0.1	106.1	25.5	786	4.20	6.7	0.4	1.9	3.0	29	0.1	<0.1	<0.1	59	0.94	0.072
112115	Soil	0.6	50.1	13.0	122	0.1	105.4	26.1	889	4.67	7.4	0.4	1.6	3.8	34	0.2	0.1	<0.1	68	1.18	0.075
112116	Soil	0.5	42.0	11.3	104	0.1	87.0	20.7	1327	4.81	3.2	0.6	0.9	6.8	17	0.5	0.2	<0.1	73	0.39	0.115
112117	Soil	1.6	44.2	8.6	123	<0.1	58.1	15.9	976	4.51	3.4	1.1	0.7	5.6	19	0.5	0.1	<0.1	57	0.38	0.118
112118	Soil	0.9	35.8	6.2	78	<0.1	61.2	14.5	582	3.75	3.8	0.8	2.0	2.9	13	<0.1	0.3	<0.1	55	0.18	0.032
112119	Soil	14.1	106.5	20.4	186	0.2	104.5	18.9	1101	4.85	2.7	3.4	3.4	13.3	21	0.5	0.4	0.4	66	0.19	0.090
112120	Soil	0.9	32.0	7.5	77	0.2	41.3	15.1	463	3.44	6.9	0.9	2.8	3.3	25	0.1	0.6	0.1	61	0.27	0.028
112121	Soil	0.4	29.3	3.2	91	<0.1	25.9	11.0	389	3.51	0.9	0.6	0.5	1.4	16	<0.1	<0.1	<0.1	35	0.29	0.086
112122	Soil	0.3	32.6	4.8	49	<0.1	57.2	13.9	327	2.66	2.6	0.8	0.9	1.3	16	<0.1	0.2	<0.1	36	0.22	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	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
111211	Soil	3	215	3.33	132	0.143	<1	4.04	0.004	0.21	<0.1	0.01	21.6	0.2	<0.05	9	<0.5
111212	Soil	5	156	2.58	229	0.142	<1	3.66	0.005	0.11	0.1	0.02	5.2	0.1	<0.05	10	<0.5
111213	Soil	7	87	2.05	400	0.183	<1	3.03	0.009	0.50	0.1	<0.01	4.4	0.3	<0.05	8	<0.5
111214	Soil	19	66	1.97	393	0.129	<1	2.79	0.012	0.22	<0.1	0.02	6.8	0.1	<0.05	8	<0.5
111215	Soil	13	57	1.99	351	0.123	<1	2.55	0.009	0.19	<0.1	0.02	5.9	<0.1	<0.05	7	<0.5
111216	Soil	7	72	1.79	137	0.142	<1	3.04	0.006	0.13	<0.1	0.01	4.4	0.2	<0.05	8	<0.5
111217	Soil	26	71	1.17	273	0.115	1	2.43	0.010	0.07	0.1	0.05	8.1	0.1	<0.05	7	<0.5
111218	Soil	19	15	0.34	138	0.068	<1	1.25	0.004	0.17	<0.1	0.02	2.4	0.2	<0.05	4	<0.5
111219	Soil	55	52	1.35	466	0.174	<1	2.00	0.010	0.70	<0.1	0.01	3.5	0.3	<0.05	6	<0.5
111220	Soil	30	24	1.08	352	0.137	<1	1.53	0.005	0.47	<0.1	<0.01	4.0	0.4	<0.05	5	<0.5
111221	Soil	10	128	1.69	331	0.152	<1	2.23	0.007	0.23	0.1	<0.01	2.8	0.1	<0.05	5	<0.5
111222	Soil	3	135	2.48	544	0.244	<1	3.12	0.009	0.68	0.1	<0.01	1.6	0.3	<0.05	6	<0.5
111223	Soil	14	30	0.82	242	0.122	<1	1.46	0.006	0.35	<0.1	<0.01	1.4	0.3	<0.05	4	<0.5
111224	Soil	11	16	1.70	427	0.190	<1	2.74	0.011	0.71	0.1	0.01	2.8	0.4	<0.05	6	<0.5
111225	Soil	19	52	1.17	364	0.108	<1	2.35	0.008	0.08	<0.1	0.03	4.4	0.1	<0.05	7	0.7
111226	Soil	8	48	2.14	406	0.228	<1	2.82	0.010	0.82	<0.1	<0.01	1.9	0.4	<0.05	6	<0.5
111227	Soil	7	134	2.68	554	0.284	<1	3.37	0.012	1.29	<0.1	<0.01	7.2	0.5	<0.05	10	<0.5
111228	Soil	5	87	1.80	565	0.208	<1	2.54	0.012	1.15	<0.1	0.02	4.6	0.4	<0.05	8	<0.5
112111	Soil	43	37	1.78	466	0.241	<1	2.70	0.007	1.39	<0.1	<0.01	3.9	0.6	<0.05	9	<0.5
112112	Soil	12	22	1.14	217	0.156	<1	1.86	0.004	0.73	<0.1	0.01	1.5	0.3	<0.05	6	<0.5
112113	Soil	23	177	2.85	392	0.165	<1	3.28	0.006	0.68	<0.1	0.06	11.9	0.4	<0.05	9	<0.5
112114	Soil	8	175	2.54	62	0.063	<1	2.79	0.002	0.05	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5
112115	Soil	9	168	2.63	69	0.055	<1	2.95	0.003	0.08	<0.1	0.01	4.1	<0.1	<0.05	6	<0.5
112116	Soil	24	110	2.85	129	0.027	<1	3.14	0.003	0.08	<0.1	0.02	10.6	<0.1	<0.05	9	<0.5
112117	Soil	19	75	2.53	134	0.078	<1	2.89	0.002	0.16	<0.1	<0.01	5.6	0.2	<0.05	8	0.6
112118	Soil	8	79	1.87	136	0.120	1	2.67	0.004	0.03	0.1	0.02	3.3	0.1	<0.05	6	<0.5
112119	Soil	52	59	1.89	373	0.012	<1	3.04	0.006	0.10	<0.1	0.04	4.8	0.1	<0.05	7	2.1
112120	Soil	11	62	1.42	339	0.130	1	2.45	0.007	0.11	0.1	0.02	4.2	0.1	<0.05	6	<0.5
112121	Soil	4	41	1.79	154	0.082	<1	2.17	0.003	0.06	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5
112122	Soil	4	77	1.64	98	0.123	<1	1.95	0.002	0.02	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	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
112123	Soil	0.7	37.8	10.7	101	<0.1	113.6	23.8	957	5.36	4.5	0.9	1.1	6.2	20	0.2	0.1	<0.1	127	0.46	0.098
112124	Soil	1.0	19.6	13.0	66	0.1	22.5	6.5	221	2.31	3.6	0.7	0.7	6.3	10	<0.1	0.3	0.2	26	0.12	0.026
112125	Soil	1.0	29.7	7.6	63	0.2	57.9	13.9	367	3.31	5.8	1.2	2.4	5.1	12	<0.1	0.4	0.1	53	0.16	0.021
112126	Soil	3.2	55.2	11.6	109	<0.1	56.9	13.3	572	3.89	9.8	1.4	1.0	9.7	9	0.3	0.2	0.3	50	0.18	0.062
112127	Soil	0.9	59.0	7.6	109	<0.1	56.5	17.6	674	4.77	2.3	1.1	1.2	8.5	17	0.2	0.2	<0.1	98	0.35	0.101
112128	Soil	0.7	42.1	5.8	84	<0.1	30.7	14.9	504	4.38	4.0	0.8	1.4	3.2	17	<0.1	0.2	<0.1	82	0.28	0.063
112129	Soil	0.8	47.2	21.9	93	<0.1	37.0	12.4	343	3.21	4.7	0.9	2.3	3.5	15	0.1	0.3	0.2	59	0.21	0.036
112130	Soil	0.8	19.3	10.2	49	<0.1	19.0	7.8	210	2.36	4.5	0.6	2.2	2.9	14	<0.1	0.3	0.1	51	0.19	0.032
112131	Soil	1.0	43.9	9.8	89	<0.1	42.3	14.0	344	3.72	3.9	1.3	0.9	5.8	18	0.2	0.3	0.3	70	0.26	0.057
112133	Soil	0.8	36.9	6.4	58	<0.1	105.3	21.2	505	4.32	5.1	0.8	2.6	4.8	13	<0.1	0.5	0.1	88	0.16	0.026
112134	Soil	0.5	15.5	8.9	79	<0.1	8.5	3.2	282	2.08	2.5	0.6	<0.5	4.8	8	<0.1	0.2	0.1	13	0.06	0.014
112135	Soil	0.3	10.5	9.5	52	<0.1	6.5	1.5	259	1.78	1.7	0.8	1.7	9.2	8	<0.1	0.3	0.2	7	0.07	0.008
112136	Soil	0.4	20.3	6.5	71	<0.1	17.4	3.9	376	1.93	0.7	0.7	0.6	6.4	12	<0.1	0.2	0.1	12	0.08	0.006
112137	Soil	0.6	12.4	13.6	49	<0.1	10.2	2.9	344	1.80	3.4	1.0	1.2	9.4	18	<0.1	0.4	0.2	13	0.17	0.013
112138	Soil	0.5	87.9	7.1	52	0.1	17.6	14.2	501	3.30	5.4	7.1	5.1	2.3	60	<0.1	0.3	<0.1	51	1.12	0.036
112139	Soil	0.8	35.4	10.9	58	0.1	25.9	10.5	404	2.47	8.1	3.7	3.3	4.6	57	0.3	0.7	0.2	38	0.85	0.063
112140	Soil	0.8	33.9	12.5	60	0.1	23.7	10.5	463	2.45	8.0	2.3	4.8	4.6	52	0.3	0.7	0.2	38	0.75	0.056
112141	Soil	1.0	24.3	10.9	55	0.1	22.7	8.9	438	2.36	10.0	0.8	4.0	4.9	33	0.1	0.8	0.2	38	0.43	0.064
112142	Soil	0.4	60.5	11.1	61	0.1	13.4	6.4	800	3.56	3.3	1.0	5.4	4.1	11	0.2	0.4	0.1	39	0.13	0.037
112143	Soil	0.4	30.5	6.9	57	0.1	14.3	7.7	387	2.84	3.8	0.4	<0.5	2.1	11	<0.1	0.3	0.1	70	0.11	0.069
112144	Soil	0.7	124.5	13.8	59	<0.1	56.9	25.6	1287	5.55	3.4	1.9	1.7	4.3	8	0.3	0.4	0.8	110	0.14	0.053
112145	Soil	0.2	28.5	8.3	34	<0.1	32.2	7.6	702	1.88	1.1	1.0	1.3	22.9	4	<0.1	0.1	0.2	18	0.11	0.037
112146	Soil	1.5	63.8	10.8	147	0.3	76.4	22.4	996	4.95	12.9	0.8	2.6	9.8	12	0.8	0.4	0.1	41	0.36	0.083
112147	Soil	0.2	107.1	2.1	59	<0.1	100.8	29.3	490	2.74	1.5	0.2	5.2	0.5	31	<0.1	0.1	<0.1	61	0.50	0.076
112148	Soil	0.6	46.7	17.4	66	<0.1	16.2	6.3	689	2.56	3.2	1.2	1.0	11.3	12	0.2	0.2	0.2	35	0.29	0.067
112149	Soil	2.7	42.8	9.8	133	<0.1	43.5	15.6	523	3.66	12.6	1.7	1.7	13.1	14	0.2	0.4	0.2	47	0.28	0.066
112150	Soil	0.6	7.9	7.3	26	<0.1	9.8	4.4	411	1.31	4.9	0.7	<0.5	7.9	14	<0.1	0.3	<0.1	17	0.16	0.063
112151	Soil	0.1	51.6	2.8	58	<0.1	91.3	12.9	557	3.37	1.8	0.4	<0.5	1.5	19	<0.1	0.2	<0.1	70	0.43	0.065
112152	Soil	0.2	66.3	7.9	63	<0.1	110.8	42.2	1039	4.94	1.7	0.9	1.0	1.2	30	<0.1	0.2	0.2	109	0.49	0.066
112153	Soil	0.4	27.7	3.2	46	<0.1	15.9	16.6	354	3.11	3.9	0.3	1.3	2.3	13	<0.1	0.2	<0.1	79	0.24	0.056



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Project: Aussie-Melba
Report Date: July 02, 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
112123	Soil	19	189	3.79	322	0.139	<1	3.76	0.004	0.16	<0.1	0.02	16.4	0.1	<0.05	12	<0.5	<0.2
112124	Soil	12	30	1.09	118	0.047	<1	1.65	0.003	0.04	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
112125	Soil	14	90	1.63	180	0.122	1	2.48	0.006	0.05	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
112126	Soil	26	63	1.86	262	0.024	<1	2.45	0.003	0.05	<0.1	0.02	6.6	<0.1	<0.05	6	<0.5	<0.2
112127	Soil	26	90	2.40	326	0.094	<1	3.14	0.004	0.29	<0.1	<0.01	7.8	0.2	<0.05	10	<0.5	<0.2
112128	Soil	9	50	1.80	204	0.119	<1	2.63	0.004	0.15	0.1	<0.01	4.4	0.1	<0.05	7	<0.5	<0.2
112129	Soil	12	70	1.38	174	0.074	<1	2.03	0.006	0.04	0.2	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
112130	Soil	11	38	0.89	150	0.064	<1	1.70	0.007	0.05	0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
112131	Soil	19	66	1.57	268	0.098	<1	2.46	0.003	0.21	0.1	0.02	5.1	0.2	<0.05	7	0.5	<0.2
112133	Soil	12	256	2.16	154	0.054	<1	2.91	0.005	0.09	<0.1	0.01	9.1	<0.1	<0.05	8	<0.5	<0.2
112134	Soil	9	11	0.70	107	0.060	<1	1.33	0.004	0.15	<0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
112135	Soil	27	6	0.36	187	0.012	<1	0.93	0.004	0.10	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
112136	Soil	25	27	0.92	112	0.055	<1	1.35	0.002	0.11	<0.1	<0.01	3.6	0.1	<0.05	5	<0.5	<0.2
112137	Soil	29	10	0.35	194	0.024	<1	1.00	0.004	0.11	<0.1	<0.01	2.7	<0.1	<0.05	3	<0.5	<0.2
112138	Soil	6	23	1.23	93	0.049	2	2.13	0.005	0.13	<0.1	0.01	3.1	0.1	0.08	4	1.6	<0.2
112139	Soil	14	24	0.56	383	0.050	2	1.45	0.013	0.07	0.2	0.02	3.3	<0.1	<0.05	4	0.9	<0.2
112140	Soil	15	25	0.52	379	0.048	1	1.37	0.012	0.06	0.1	0.03	3.3	<0.1	<0.05	4	0.7	<0.2
112141	Soil	16	25	0.45	351	0.053	<1	1.33	0.017	0.05	0.2	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
112142	Soil	20	14	1.25	212	0.006	<1	2.05	0.005	0.10	<0.1	<0.01	5.4	0.2	<0.05	5	<0.5	<0.2
112143	Soil	5	27	1.09	291	0.130	<1	1.83	0.005	0.46	<0.1	<0.01	4.4	0.2	<0.05	6	<0.5	<0.2
112144	Soil	14	81	1.82	161	0.080	<1	2.27	0.003	0.20	<0.1	0.03	15.3	0.3	<0.05	6	0.8	0.4
112145	Soil	32	42	1.12	98	0.006	<1	1.32	0.001	0.04	<0.1	<0.01	3.5	<0.1	<0.05	3	<0.5	<0.2
112146	Soil	27	61	0.97	223	0.007	<1	1.37	0.003	0.08	<0.1	0.02	6.0	<0.1	<0.05	4	0.6	<0.2
112147	Soil	2	148	1.91	232	0.117	<1	1.94	0.004	0.17	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
112148	Soil	26	15	0.85	353	0.025	<1	1.39	0.009	0.15	<0.1	<0.01	4.4	0.1	<0.05	4	<0.5	<0.2
112149	Soil	41	54	0.74	313	0.006	<1	1.52	0.007	0.10	<0.1	<0.01	5.6	<0.1	<0.05	4	0.8	<0.2
112150	Soil	9	10	0.27	72	0.033	<1	0.84	0.002	0.07	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
112151	Soil	5	114	2.85	329	0.362	<1	2.82	0.006	0.75	<0.1	<0.01	2.7	1.0	<0.05	5	<0.5	<0.2
112152	Soil	10	142	3.36	563	0.282	<1	3.68	0.011	1.03	<0.1	<0.01	11.0	0.8	<0.05	9	<0.5	<0.2
112153	Soil	4	17	2.08	434	0.170	<1	2.37	0.014	1.01	<0.1	<0.01	2.3	0.3	<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
112154	Soil	1.7	45.3	13.6	104	0.2	67.2	19.6	613	4.91	6.5	0.4	<0.5	6.3	6	0.2	0.4	0.3	79	0.11	0.044
112155	Soil	7.4	171.6	9.8	239	<0.1	67.3	22.7	825	5.72	2.0	3.2	4.0	7.4	8	0.7	0.5	0.1	63	0.10	0.064
112156	Soil	0.9	13.4	13.7	31	<0.1	13.6	4.7	179	1.32	4.4	1.0	0.6	15.7	4	<0.1	0.3	0.2	15	0.03	0.013
112157	Soil	0.1	44.7	1.8	59	<0.1	82.5	23.6	618	2.26	1.9	0.3	2.8	0.9	18	<0.1	0.1	<0.1	60	0.54	0.169
112158	Soil	0.4	28.5	3.6	74	<0.1	23.9	10.3	357	2.73	2.2	0.4	<0.5	1.8	21	<0.1	0.1	<0.1	46	0.34	0.080
112159	Soil	0.7	55.7	22.4	61	<0.1	204.7	31.7	1987	7.17	11.9	1.0	0.8	8.8	9	0.1	0.4	0.3	59	0.20	0.045
112160	Soil	0.3	81.6	11.5	48	<0.1	123.9	25.0	733	4.11	4.0	0.4	3.2	3.6	16	<0.1	0.2	<0.1	106	0.39	0.040
112161	Soil	3.9	79.5	23.2	122	0.3	51.6	26.1	816	4.45	13.3	0.7	14.3	8.3	16	0.4	0.3	0.3	43	0.66	0.072
112162	Soil	0.3	5.7	8.6	69	<0.1	5.8	8.6	1842	3.37	1.5	1.3	1.4	15.3	88	0.1	0.1	<0.1	17	0.85	0.309
112163	Soil	0.4	82.8	14.1	110	<0.1	94.7	24.9	566	4.21	3.7	0.4	1.4	2.2	14	<0.1	0.2	0.1	83	0.16	0.032
112164	Soil	1.0	77.4	29.4	118	<0.1	68.8	27.4	1015	4.48	4.7	0.9	0.7	8.7	10	0.4	0.3	0.3	55	0.13	0.047
112165	Soil	0.4	30.2	14.9	77	<0.1	14.5	8.2	505	3.70	3.4	1.0	1.6	10.8	33	0.2	0.3	0.2	31	0.56	0.204
112166	Soil	0.4	25.4	16.4	76	<0.1	13.2	7.1	589	3.48	2.5	1.0	2.1	13.3	36	0.2	0.2	0.2	26	0.62	0.237
112167	Soil	1.8	61.6	9.2	104	<0.1	67.1	20.1	1145	4.15	2.8	1.1	1.1	10.1	12	0.2	0.2	0.1	57	0.25	0.074
112168	Soil	0.7	37.6	7.3	68	<0.1	86.5	21.2	480	3.82	4.5	0.5	1.7	2.6	18	0.1	0.3	0.1	78	0.38	0.115
112169	Soil	0.8	39.2	9.6	74	<0.1	54.2	14.6	268	3.74	3.7	0.4	2.2	3.9	9	0.1	0.2	0.2	64	0.22	0.075
112170	Soil	0.7	61.6	8.2	69	0.2	28.1	10.7	529	2.89	7.0	0.4	6.1	3.9	17	0.3	0.4	0.1	51	0.44	0.084
112171	Soil	0.5	80.6	6.7	74	0.1	27.3	14.8	482	3.48	5.3	0.3	5.1	3.1	16	0.3	0.4	0.1	82	0.47	0.081
112172	Soil	1.1	22.2	9.8	67	0.1	23.6	13.3	538	2.41	8.7	0.6	4.2	3.7	24	0.1	0.7	0.1	45	0.42	0.063
112173	Soil	0.8	18.1	8.6	67	0.1	19.5	8.6	268	2.18	5.6	1.2	3.8	3.4	32	0.4	0.3	0.1	36	0.46	0.071
112174	Soil	0.4	16.7	23.0	77	<0.1	8.3	9.5	342	2.49	3.8	1.2	1.6	7.6	52	<0.1	0.2	0.1	31	0.40	0.039
112175	Soil	0.4	16.8	12.0	66	<0.1	8.1	7.6	300	2.20	3.2	0.9	2.3	5.9	71	<0.1	0.2	<0.1	27	0.49	0.063
112176	Soil	0.5	24.1	39.6	131	<0.1	8.1	7.9	622	2.89	3.4	1.7	2.7	12.9	40	0.2	0.2	0.1	27	0.35	0.072
112177	Soil	0.3	22.2	6.8	96	<0.1	11.0	14.0	546	3.27	2.7	0.6	<0.5	3.4	39	0.1	0.1	<0.1	54	0.34	0.072
112178	Soil	0.4	72.2	27.1	115	<0.1	35.5	23.8	537	4.41	3.6	0.7	1.1	4.4	26	0.2	0.3	<0.1	112	0.23	0.032
112179	Soil	0.8	45.7	67.9	111	0.2	17.3	10.2	517	3.17	7.6	1.5	6.6	11.5	21	0.2	0.4	0.2	49	0.19	0.037
112180	Soil	0.5	45.4	28.8	93	0.1	14.3	11.0	869	3.30	3.7	3.2	2.6	30.3	31	0.2	0.3	0.2	47	0.25	0.083
112181	Soil	1.0	34.3	18.9	72	0.2	19.1	9.1	331	2.68	6.8	3.0	3.6	18.3	20	0.2	0.4	0.3	44	0.19	0.051
112182	Soil	1.5	43.5	18.7	121	<0.1	24.7	7.2	400	3.17	1.8	4.3	1.7	51.6	36	0.3	0.1	0.2	25	0.35	0.102
112183	Soil	0.9	39.5	17.8	87	<0.1	20.4	12.9	448	3.70	9.6	0.9	1.4	6.2	25	0.2	0.5	0.2	71	0.19	0.109



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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
112154	Soil	9	111	2.21	198	0.013	<1	3.44	0.003	0.03	<0.1	<0.01	6.6	<0.1	<0.05	9	<0.5	<0.2
112155	Soil	31	41	1.60	161	0.009	<1	2.43	0.004	0.05	<0.1	<0.01	4.4	<0.1	<0.05	6	1.5	<0.2
112156	Soil	29	17	0.35	148	0.014	<1	1.11	0.005	0.07	<0.1	<0.01	1.5	0.1	<0.05	2	<0.5	<0.2
112157	Soil	4	97	1.62	200	0.076	<1	1.71	0.003	0.31	<0.1	<0.01	2.8	0.1	<0.05	4	<0.5	<0.2
112158	Soil	5	42	1.50	175	0.080	<1	1.96	0.002	0.15	<0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
112159	Soil	26	354	2.03	157	0.017	<1	2.70	0.002	0.04	<0.1	0.02	13.1	<0.1	<0.05	6	0.5	<0.2
112160	Soil	14	319	3.03	131	0.075	<1	3.14	0.005	0.03	<0.1	<0.01	8.2	0.1	<0.05	6	<0.5	<0.2
112161	Soil	22	64	1.53	154	0.017	<1	2.06	0.014	0.02	0.1	0.02	5.4	<0.1	<0.05	5	1.1	0.4
112162	Soil	57	4	1.25	869	0.125	<1	1.71	0.006	1.24	<0.1	<0.01	2.0	0.5	<0.05	4	<0.5	<0.2
112163	Soil	2	172	3.10	69	0.080	<1	3.14	0.002	0.04	<0.1	<0.01	4.9	0.1	<0.05	7	<0.5	<0.2
112164	Soil	14	89	1.85	230	0.036	<1	2.58	0.002	0.06	<0.1	<0.01	5.6	0.2	<0.05	6	0.8	0.3
112165	Soil	28	20	1.19	556	0.118	<1	1.93	0.006	0.65	<0.1	0.02	3.6	0.3	<0.05	6	<0.5	<0.2
112166	Soil	36	17	1.14	521	0.101	<1	1.80	0.005	0.71	<0.1	0.01	2.8	0.3	<0.05	5	<0.5	<0.2
112167	Soil	20	81	2.12	215	0.078	<1	2.66	0.002	0.15	<0.1	<0.01	4.9	0.2	<0.05	7	0.5	<0.2
112168	Soil	11	111	1.65	314	0.121	<1	2.58	0.005	0.17	<0.1	<0.01	3.5	0.1	<0.05	6	<0.5	<0.2
112169	Soil	9	76	1.32	186	0.073	<1	2.12	0.003	0.04	<0.1	<0.01	3.4	<0.1	<0.05	7	0.6	<0.2
112170	Soil	15	30	0.86	252	0.039	<1	1.33	0.008	0.08	0.2	0.04	3.8	<0.1	<0.05	4	0.9	<0.2
112171	Soil	8	30	1.13	299	0.052	<1	1.75	0.009	0.13	0.1	0.03	3.9	<0.1	<0.05	6	0.6	<0.2
112172	Soil	12	27	0.52	421	0.034	<1	1.33	0.015	0.05	0.3	0.04	2.4	<0.1	<0.05	4	1.0	<0.2
112173	Soil	11	26	0.66	275	0.035	1	1.21	0.008	0.04	0.2	0.04	2.1	0.1	<0.05	4	0.6	<0.2
112174	Soil	13	10	1.48	142	0.063	<1	2.46	0.007	0.04	<0.1	0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
112175	Soil	12	9	1.33	213	0.048	<1	2.23	0.006	0.08	<0.1	<0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
112176	Soil	17	8	1.17	339	0.098	<1	1.95	0.009	0.19	<0.1	0.02	2.2	0.2	<0.05	7	<0.5	<0.2
112177	Soil	7	13	1.78	512	0.186	<1	2.62	0.007	0.54	0.1	<0.01	1.7	0.3	<0.05	7	<0.5	<0.2
112178	Soil	15	62	2.79	539	0.209	<1	3.66	0.009	0.57	<0.1	0.01	3.3	0.3	<0.05	10	<0.5	<0.2
112179	Soil	26	22	1.01	378	0.063	<1	2.11	0.008	0.11	0.2	0.05	4.6	<0.1	<0.05	6	0.5	<0.2
112180	Soil	46	16	1.23	317	0.134	<1	2.13	0.007	0.48	0.1	0.01	3.5	0.2	<0.05	8	<0.5	<0.2
112181	Soil	59	22	0.70	220	0.071	<1	1.75	0.007	0.12	0.2	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
112182	Soil	107	13	1.50	460	0.125	<1	2.15	0.008	0.54	<0.1	<0.01	3.5	0.3	<0.05	7	1.1	<0.2
112183	Soil	12	28	1.01	173	0.105	<1	2.37	0.006	0.16	0.2	0.03	2.5	<0.1	<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
112184	Soil	0.8	44.7	9.9	76	<0.1	28.5	12.4	357	3.01	6.0	1.5	1.3	16.2	35	0.1	0.4	<0.1	52	0.33	0.050
112185	Soil	0.4	105.3	8.2	79	<0.1	64.7	29.2	686	3.89	2.2	1.2	2.0	10.4	57	<0.1	0.2	<0.1	97	0.53	0.104
112186	Soil	0.9	26.5	9.1	51	<0.1	31.9	12.6	229	2.56	8.9	0.4	11.4	3.7	13	0.1	0.6	0.1	53	0.17	0.046
112187	Soil	1.1	39.1	9.2	49	<0.1	35.2	11.2	204	2.78	9.3	0.7	2.6	3.9	14	<0.1	0.5	0.1	54	0.19	0.039
112188	Soil	6.0	93.0	55.0	187	0.2	50.7	14.4	630	4.73	5.7	4.7	2.5	22.2	41	0.6	0.3	0.6	60	0.31	0.086
112189	Soil	1.0	64.4	13.4	128	<0.1	12.2	20.7	1147	5.05	3.3	0.8	1.6	3.0	87	0.2	0.2	<0.1	106	0.68	0.149
112190	Soil	0.9	89.1	11.4	113	<0.1	12.0	16.4	727	4.29	3.5	0.8	2.1	3.6	64	<0.1	0.2	<0.1	76	0.54	0.110
112191	Soil	0.9	51.5	18.9	89	0.2	66.3	15.1	678	3.87	11.0	1.7	28.8	14.4	20	0.2	0.6	0.2	74	0.35	0.047
112192	Soil	1.4	39.2	370.2	214	0.2	28.8	8.2	348	2.65	10.6	1.6	7.9	15.2	9	0.5	0.4	0.4	41	0.11	0.027
112193	Soil	0.9	13.1	8.0	43	0.1	7.0	5.6	473	1.95	3.3	0.8	1.2	6.8	8	<0.1	0.1	0.1	38	0.08	0.067
112194	Soil	1.3	13.7	11.7	50	<0.1	16.3	7.2	299	3.01	5.2	0.5	1.5	6.4	8	<0.1	0.3	0.2	44	0.09	0.058
112195	Soil	1.9	29.2	13.1	52	0.1	22.1	7.4	343	2.98	8.1	1.4	2.9	11.6	9	<0.1	0.5	0.1	39	0.08	0.017
112196	Soil	0.8	10.5	18.0	72	<0.1	9.8	4.5	198	2.40	4.0	1.1	<0.5	17.2	5	<0.1	0.2	0.1	18	0.06	0.029
112197	Soil	1.8	66.4	9.2	113	0.2	87.2	16.8	662	4.46	4.6	1.6	0.5	5.6	6	0.1	0.3	0.1	78	0.09	0.036
112198	Soil	4.9	62.8	15.8	99	0.2	53.0	15.6	434	4.08	4.9	2.1	<0.5	13.4	13	0.3	0.4	0.4	81	0.23	0.084
112199	Soil	0.3	47.5	4.4	56	<0.1	23.1	11.4	309	3.51	2.1	0.5	3.6	3.1	9	<0.1	0.2	<0.1	93	0.19	0.028
112200	Soil	0.1	39.0	3.2	66	<0.1	13.3	8.9	304	2.99	1.5	0.4	<0.5	2.1	12	<0.1	0.2	<0.1	58	0.20	0.053
112201	Soil	0.5	28.7	7.4	49	<0.1	21.5	7.9	214	2.42	6.6	0.4	<0.5	3.8	16	<0.1	0.5	<0.1	49	0.25	0.036
112202	Soil	0.6	30.7	7.9	60	<0.1	25.4	10.4	251	2.84	6.2	0.4	1.0	4.5	17	<0.1	0.5	0.1	54	0.28	0.027
112203	Soil	0.5	34.0	7.0	59	<0.1	20.2	7.3	301	2.56	6.0	0.5	5.0	4.0	18	<0.1	0.4	0.1	48	0.34	0.056
112204	Soil	0.3	40.6	13.0	93	0.1	48.9	11.6	413	3.68	2.7	2.0	1.8	11.9	25	0.2	0.2	0.2	67	0.55	0.099
112205	Soil	0.8	33.8	9.8	72	<0.1	39.0	9.7	239	2.89	6.4	1.0	2.8	6.4	14	0.1	0.6	0.2	54	0.22	0.019
112206	Soil	0.6	43.8	9.9	90	<0.1	64.9	12.4	302	3.32	2.1	2.0	1.9	8.8	15	0.2	0.3	0.2	60	0.27	0.029
112207	Soil	0.6	37.0	6.3	72	<0.1	65.1	16.5	317	3.30	4.9	0.6	1.4	2.7	14	<0.1	0.4	0.1	73	0.23	0.027
112208	Soil	0.3	80.4	10.9	101	<0.1	96.6	19.3	634	5.27	2.0	1.9	0.9	8.7	28	0.1	0.1	0.2	100	0.66	0.219
112209	Soil	0.2	22.9	18.5	45	<0.1	18.1	3.5	113	1.62	0.9	2.8	0.8	21.0	8	<0.1	0.2	0.2	26	0.12	0.017
112210	Soil	1.1	38.6	10.8	71	<0.1	34.8	8.7	261	2.67	9.6	1.0	3.8	7.1	15	<0.1	0.9	0.2	47	0.16	0.022
112211	Soil	0.3	43.7	6.5	91	<0.1	42.3	12.8	392	3.18	1.8	1.2	1.8	5.1	20	0.2	0.3	0.1	71	0.33	0.044
112212	Soil	1.5	66.0	13.6	223	0.8	63.2	18.3	1948	4.11	6.1	3.0	1.0	5.4	34	2.1	0.1	0.2	78	0.56	0.195
112213	Soil	0.6	53.5	7.8	155	0.2	48.1	11.4	455	3.77	3.7	2.5	3.5	5.0	33	0.4	0.3	0.1	86	0.45	0.103



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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
112184	Soil	21	43	1.25	435	0.118	<1	2.06	0.009	0.26	0.1	<0.01	2.9	0.1	<0.05	7	<0.5
112185	Soil	18	155	2.09	753	0.191	<1	2.70	0.014	0.65	<0.1	0.01	4.6	0.2	<0.05	8	0.5
112186	Soil	8	39	0.77	121	0.068	<1	1.88	0.009	0.05	0.2	0.02	2.1	<0.1	<0.05	4	<0.5
112187	Soil	9	44	0.63	167	0.065	<1	1.89	0.010	0.04	0.1	0.03	2.3	<0.1	<0.05	5	<0.5
112188	Soil	58	42	1.70	287	0.074	<1	2.12	0.021	0.11	0.1	0.05	6.6	0.2	0.12	7	2.3
112189	Soil	5	20	2.20	209	0.260	<1	2.91	0.005	0.10	0.2	<0.01	2.4	<0.1	<0.05	12	<0.5
112190	Soil	6	17	1.98	201	0.227	<1	2.71	0.005	0.10	0.2	0.01	2.1	<0.1	<0.05	9	<0.5
112191	Soil	34	113	1.52	325	0.021	<1	2.33	0.008	0.13	<0.1	0.06	8.6	<0.1	<0.05	10	0.8
112192	Soil	29	42	0.60	155	0.035	<1	1.77	0.006	0.09	0.1	0.04	3.1	0.1	<0.05	5	0.9
112193	Soil	9	15	0.54	66	0.033	<1	0.97	0.003	0.09	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5
112194	Soil	10	28	0.64	101	0.028	<1	1.55	0.004	0.10	0.1	0.02	2.0	0.1	<0.05	6	<0.5
112195	Soil	25	25	1.02	192	0.029	<1	1.95	0.007	0.04	0.1	0.04	4.3	<0.1	<0.05	5	<0.5
112196	Soil	12	13	0.90	140	0.061	<1	1.82	0.002	0.13	<0.1	<0.01	1.8	0.3	<0.05	6	<0.5
112197	Soil	7	94	1.85	155	0.105	<1	3.10	0.003	0.04	<0.1	0.01	3.9	0.1	<0.05	9	<0.5
112198	Soil	44	72	1.79	224	0.091	<1	2.57	0.005	0.10	<0.1	<0.01	6.3	0.2	<0.05	8	1.8
112199	Soil	6	67	1.37	164	0.098	<1	1.83	0.008	0.28	<0.1	<0.01	9.5	<0.1	<0.05	7	<0.5
112200	Soil	6	21	1.08	254	0.059	<1	1.72	0.005	0.22	<0.1	0.01	5.2	<0.1	<0.05	5	<0.5
112201	Soil	10	36	0.75	231	0.049	<1	1.41	0.008	0.04	0.1	0.02	3.9	<0.1	<0.05	4	<0.5
112202	Soil	13	48	0.94	246	0.055	<1	1.73	0.008	0.04	0.1	0.02	4.1	<0.1	<0.05	5	<0.5
112203	Soil	12	30	0.75	239	0.041	<1	1.41	0.007	0.05	0.1	0.02	4.4	<0.1	<0.05	5	<0.5
112204	Soil	29	98	1.61	232	0.078	<1	2.22	0.004	0.13	<0.1	0.03	6.8	0.1	<0.05	7	<0.5
112205	Soil	18	52	1.05	281	0.068	<1	1.75	0.006	0.04	0.1	0.04	4.9	<0.1	<0.05	5	<0.5
112206	Soil	20	112	1.77	192	0.090	<1	2.14	0.008	0.10	<0.1	0.02	6.5	0.1	<0.05	6	<0.5
112207	Soil	8	116	1.31	276	0.120	<1	2.03	0.005	0.06	<0.1	<0.01	4.9	<0.1	<0.05	5	<0.5
112208	Soil	37	170	2.42	199	0.089	<1	3.06	0.003	0.07	<0.1	0.02	8.5	0.1	<0.05	10	0.6
112209	Soil	41	32	0.54	104	0.030	<1	0.89	0.004	0.03	<0.1	<0.01	3.8	<0.1	<0.05	3	<0.5
112210	Soil	19	42	0.72	265	0.058	<1	1.37	0.007	0.05	0.1	0.05	4.5	<0.1	<0.05	4	<0.5
112211	Soil	13	78	1.48	251	0.096	<1	1.99	0.005	0.10	<0.1	0.02	4.8	0.1	<0.05	6	<0.5
112212	Soil	24	34	1.32	355	0.050	<1	1.78	0.002	0.04	<0.1	<0.01	5.3	0.4	<0.05	6	0.8
112213	Soil	16	76	1.69	257	0.092	<1	2.35	0.006	0.09	<0.1	0.02	6.5	0.2	<0.05	7	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo 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
112214	Soil	0.6	25.2	10.0	59	0.1	20.7	7.1	228	2.23	5.1	3.3	1.2	8.9	16	<0.1	0.4	0.2	42	0.18	0.021
112215	Soil	0.7	25.6	10.0	71	0.1	22.4	8.4	254	2.39	5.4	2.7	1.3	7.1	20	<0.1	0.4	0.1	48	0.20	0.024
112216	Soil	0.6	11.9	9.2	26	0.4	6.8	5.9	155	1.23	2.6	0.2	5.4	1.6	6	<0.1	0.2	0.1	37	0.12	0.019
112217	Soil	0.6	18.8	6.7	84	0.3	30.7	10.1	257	2.24	4.9	0.2	<0.5	1.6	10	0.3	0.3	0.1	59	0.18	0.106
112218	Soil	0.9	57.9	7.0	36	0.3	20.3	8.2	163	2.14	7.4	0.2	2.7	2.1	9	<0.1	0.5	<0.1	49	0.13	0.024
112219	Soil	0.6	15.2	4.5	55	0.1	14.1	7.2	192	1.50	2.4	0.1	<0.5	0.7	4	<0.1	0.2	0.2	52	0.21	0.030
112220	Soil	0.6	32.1	5.6	32	0.2	18.8	8.5	142	1.88	5.2	0.2	<0.5	1.3	5	<0.1	0.3	0.1	52	0.17	0.031
112221	Soil	1.0	10.8	12.7	38	0.8	10.7	8.4	452	2.13	5.9	0.4	1.3	2.7	13	0.2	0.3	0.3	52	0.14	0.087
112222	Soil	1.2	15.3	10.6	43	0.5	14.5	8.4	247	2.42	8.8	0.5	2.1	4.0	9	0.1	0.5	0.2	53	0.08	0.034
112223	Soil	1.1	24.5	18.8	57	0.7	20.1	8.0	286	2.50	11.7	0.5	15.1	4.8	9	0.2	0.5	1.0	58	0.08	0.023
112224	Soil	1.3	25.6	10.1	55	0.3	17.7	8.8	180	2.81	10.4	0.4	1.9	2.9	10	0.2	0.6	0.2	60	0.09	0.030
112225	Soil	1.2	13.6	11.1	123	0.5	18.0	7.7	786	2.88	6.3	0.4	<0.5	2.5	12	0.6	0.5	0.2	69	0.15	0.109
112226	Soil	1.1	44.3	10.4	95	0.2	55.8	13.0	461	3.60	4.3	1.2	<0.5	7.8	55	<0.1	0.3	0.1	119	0.24	0.043
112227	Soil	0.5	37.5	6.6	58	0.1	36.6	13.5	236	2.95	3.8	0.4	1.1	2.6	18	<0.1	0.2	0.1	74	0.21	0.043
112228	Soil	0.6	16.2	7.8	52	0.1	19.3	9.1	213	2.51	8.0	0.5	2.7	3.3	21	<0.1	0.4	0.1	45	0.19	0.030
112229	Soil	0.9	23.9	11.9	59	0.1	61.3	13.3	421	2.99	10.1	1.9	3.0	5.6	15	<0.1	0.6	0.2	66	0.15	0.027
112230	Soil	1.5	12.0	11.8	50	0.1	19.1	8.6	195	2.92	12.3	0.5	5.5	4.2	10	0.1	0.6	0.2	48	0.09	0.033
112231	Soil	1.1	25.3	15.1	66	0.7	26.8	12.1	246	3.33	12.4	0.9	2.3	6.1	8	0.2	0.8	0.2	59	0.07	0.032
112232	Soil	1.2	12.5	12.9	50	0.3	16.3	7.7	318	2.72	9.5	0.4	1.1	3.9	9	<0.1	0.6	0.2	59	0.09	0.027
112233	Soil	0.7	13.7	11.6	105	0.3	35.6	13.6	315	3.79	7.5	0.8	0.7	4.7	13	0.2	0.4	0.2	98	0.17	0.052
112234	Soil	0.3	16.1	8.2	90	0.1	22.9	11.2	309	3.79	2.7	0.4	<0.5	1.5	49	0.1	0.2	<0.1	104	0.38	0.120
112235	Soil	1.0	37.8	9.3	79	0.5	34.0	12.3	318	3.12	8.2	0.4	<0.5	2.4	18	0.3	0.5	0.1	78	0.19	0.059
112236	Soil	0.7	39.3	11.1	107	0.2	32.4	10.4	318	3.58	6.7	1.1	<0.5	6.6	23	0.2	0.3	0.1	83	0.28	0.058
113071	Soil	0.2	5.6	42.4	32	<0.1	12.5	3.0	645	1.09	<0.5	3.4	1.5	32.3	9	<0.1	<0.1	0.6	3	0.09	0.022
113072	Soil	0.2	21.2	17.0	41	<0.1	2.4	4.2	266	1.85	0.7	1.1	<0.5	10.7	9	<0.1	0.1	0.2	7	0.11	0.034
113073	Soil	0.2	22.1	9.5	30	<0.1	2.5	2.4	328	1.14	<0.5	1.0	<0.5	10.2	9	<0.1	<0.1	<0.1	4	0.10	0.050
113074	Soil	0.2	18.6	3.9	23	<0.1	3.4	2.7	183	0.90	0.7	0.4	<0.5	2.7	11	<0.1	<0.1	<0.1	6	0.15	0.056
113075	Soil	0.2	7.7	9.0	22	<0.1	3.0	1.6	239	0.84	0.6	0.6	<0.5	9.5	8	<0.1	0.1	0.1	4	0.08	0.035
113076	Soil	0.8	102.2	85.1	290	0.1	45.7	26.4	2238	3.78	2.7	0.3	0.7	0.7	6	1.0	0.3	0.3	79	0.16	0.038
113077	Soil	0.4	17.9	14.2	64	<0.1	10.9	7.6	322	2.48	0.6	1.4	<0.5	12.1	11	0.3	0.1	0.1	10	0.10	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
		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
112214	Soil	22	33	0.68	252	0.062	<1	1.34	0.005	0.07	<0.1	0.02	3.4	0.1	<0.05	4	<0.5
112215	Soil	18	40	0.78	260	0.067	<1	1.51	0.006	0.07	<0.1	0.02	3.4	0.1	<0.05	4	<0.5
112216	Soil	7	15	0.17	95	0.036	<1	0.74	0.006	0.01	0.1	<0.01	1.0	<0.1	<0.05	4	<0.5
112217	Soil	6	53	0.50	365	0.049	<1	1.31	0.011	0.03	0.1	<0.01	2.3	<0.1	<0.05	4	<0.5
112218	Soil	5	45	0.52	137	0.050	<1	1.50	0.007	0.02	0.1	0.01	1.9	<0.1	<0.05	4	<0.5
112219	Soil	3	34	0.38	92	0.075	<1	0.91	0.012	0.01	0.1	<0.01	2.2	<0.1	<0.05	3	<0.5
112220	Soil	5	40	0.47	121	0.079	<1	1.35	0.010	0.02	0.1	<0.01	1.6	<0.1	<0.05	4	<0.5
112221	Soil	10	18	0.23	277	0.034	<1	1.13	0.005	0.05	0.2	0.02	1.3	0.1	<0.05	6	<0.5
112222	Soil	10	28	0.40	195	0.065	<1	1.52	0.004	0.08	0.2	0.03	2.1	0.1	<0.05	5	<0.5
112223	Soil	12	33	0.56	163	0.029	<1	1.71	0.004	0.04	0.2	0.02	2.0	0.1	<0.05	6	<0.5
112224	Soil	10	27	0.49	163	0.052	<1	1.79	0.006	0.04	0.2	0.02	2.0	<0.1	<0.05	5	<0.5
112225	Soil	9	34	0.48	210	0.042	<1	1.54	0.004	0.06	0.2	0.03	2.1	<0.1	<0.05	7	<0.5
112226	Soil	52	129	1.94	596	0.150	<1	3.09	0.008	0.71	0.1	<0.01	6.4	0.5	<0.05	11	<0.5
112227	Soil	8	108	1.46	250	0.172	<1	2.16	0.008	0.38	0.1	<0.01	2.0	0.3	<0.05	6	<0.5
112228	Soil	11	33	0.74	157	0.092	<1	1.65	0.006	0.12	0.2	0.02	1.9	0.2	<0.05	5	<0.5
112229	Soil	15	81	0.95	316	0.082	<1	2.02	0.007	0.10	0.1	0.04	5.4	0.1	<0.05	5	0.5
112230	Soil	12	26	0.42	195	0.050	<1	1.44	0.004	0.05	0.2	0.02	1.5	<0.1	<0.05	4	0.6
112231	Soil	12	37	0.45	249	0.048	<1	2.28	0.005	0.05	0.2	0.04	2.3	0.1	<0.05	5	0.6
112232	Soil	13	29	0.41	210	0.046	<1	1.70	0.005	0.04	0.2	0.02	1.7	<0.1	<0.05	5	<0.5
112233	Soil	12	53	0.88	346	0.105	2	2.58	0.006	0.05	<0.1	0.01	3.8	<0.1	<0.05	9	<0.5
112234	Soil	4	48	1.36	560	0.087	<1	3.08	0.007	0.30	<0.1	<0.01	4.1	0.1	<0.05	10	<0.5
112235	Soil	6	60	0.89	419	0.097	<1	2.22	0.006	0.17	0.1	<0.01	2.9	<0.1	<0.05	7	0.8
112236	Soil	8	66	1.25	464	0.130	<1	2.56	0.006	0.35	<0.1	<0.01	3.8	0.2	<0.05	10	0.6
113071	Soil	61	11	0.33	101	0.059	<1	0.58	0.002	0.22	<0.1	0.02	2.2	0.2	<0.05	2	<0.5
113072	Soil	21	4	0.53	86	0.047	<1	1.00	0.001	0.20	<0.1	<0.01	1.4	0.1	<0.05	3	<0.5
113073	Soil	25	2	0.17	84	0.040	<1	0.47	0.002	0.20	<0.1	<0.01	2.1	0.1	0.07	2	<0.5
113074	Soil	4	4	0.27	52	0.052	<1	0.52	0.001	0.24	<0.1	<0.01	0.6	0.1	0.06	2	<0.5
113075	Soil	12	3	0.09	66	0.019	<1	0.41	0.002	0.12	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5
113076	Soil	3	38	2.46	75	0.081	<1	2.58	0.001	0.01	<0.1	0.02	7.4	<0.1	0.05	6	0.5
113077	Soil	25	10	0.72	93	0.064	<1	1.28	0.002	0.22	<0.1	0.02	3.6	0.2	<0.05	4	0.8



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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
113078	Soil	0.6	14.4	15.5	57	<0.1	5.6	5.7	310	2.54	2.2	0.6	0.6	7.8	6	<0.1	0.2	0.1	14	0.09	0.033
113079	Soil	0.2	30.7	5.5	49	<0.1	2.4	3.8	236	1.84	0.8	1.1	<0.5	7.3	12	<0.1	<0.1	<0.1	6	0.14	0.041
113080	Soil	0.7	59.7	9.0	55	<0.1	74.4	18.7	414	3.43	2.0	0.4	<0.5	3.0	12	<0.1	0.2	<0.1	52	0.16	0.025
113081	Soil	0.4	3.0	5.7	37	<0.1	5.4	2.6	260	1.34	2.2	0.6	<0.5	10.9	13	<0.1	0.2	<0.1	10	0.07	0.036
113082	Soil	0.7	12.0	7.1	42	<0.1	8.9	3.8	536	2.02	3.4	0.8	1.0	9.0	18	<0.1	0.3	<0.1	17	0.11	0.036
113083	Soil	6.3	69.0	14.7	140	0.2	57.9	12.6	1245	3.84	11.5	1.3	1.7	7.9	12	0.3	0.4	0.2	61	0.15	0.036
113084	Soil	3.9	64.4	7.3	105	0.2	83.8	21.9	889	4.09	2.1	0.9	1.2	3.9	21	0.3	<0.1	<0.1	60	1.24	0.064
113085	Soil	2.6	90.1	5.5	160	<0.1	99.6	22.9	637	4.14	11.9	0.8	3.6	4.7	14	0.3	0.3	0.1	54	0.40	0.085
113086	Soil	0.5	74.1	14.4	102	<0.1	109.2	27.5	1266	4.70	23.2	0.2	<0.5	1.6	5	0.2	0.1	<0.1	48	0.16	0.059
113087	Soil	3.6	124.7	10.2	115	0.2	111.0	38.1	1411	4.86	2.7	0.5	1.3	3.1	10	0.7	0.2	<0.1	48	0.81	0.091
113088	Soil	0.7	34.7	11.8	97	<0.1	32.8	13.4	548	4.64	5.8	0.4	<0.5	8.6	11	<0.1	0.3	0.2	49	0.27	0.090
113089	Soil	0.5	84.7	5.9	64	<0.1	146.4	29.8	1342	5.32	51.2	0.2	2.5	2.9	10	<0.1	0.3	<0.1	93	0.25	0.065
113090	Soil	0.4	72.4	4.7	58	<0.1	124.4	36.9	1523	4.80	48.8	0.2	1.7	2.4	31	0.2	0.3	0.1	68	3.93	0.059
113091	Soil	0.3	58.7	5.1	95	<0.1	130.6	32.5	1084	5.95	17.2	0.4	3.2	3.1	16	<0.1	0.3	<0.1	58	0.44	0.067
113092	Soil	0.2	28.9	3.2	53	<0.1	30.0	11.2	502	2.82	1.7	0.6	<0.5	3.3	17	<0.1	0.2	<0.1	27	0.29	0.045
113094	Soil	0.2	60.2	7.7	72	<0.1	9.0	3.5	803	2.42	1.1	1.0	<0.5	5.8	11	<0.1	0.2	0.1	13	0.13	0.031
113095	Soil	0.2	9.5	9.5	51	<0.1	4.5	1.3	203	1.42	0.8	0.7	<0.5	7.1	7	<0.1	0.2	0.1	4	0.05	0.011
113096	Soil	0.8	14.0	14.8	54	<0.1	15.8	3.7	535	1.86	5.6	0.8	<0.5	6.4	11	<0.1	0.4	0.2	13	0.11	0.013
113097	Soil	0.8	54.2	9.8	55	<0.1	21.1	9.9	308	3.11	7.3	1.9	2.3	5.6	28	<0.1	0.6	0.2	56	0.32	0.016
113098	Soil	0.8	42.8	10.4	55	0.1	27.0	10.4	517	2.49	8.2	3.2	3.4	4.6	50	0.3	0.7	0.2	42	0.68	0.041
113099	Soil	0.6	25.7	8.8	57	<0.1	23.1	9.5	346	2.33	11.9	0.5	1.8	5.0	29	0.2	0.8	0.1	46	0.39	0.062
113100	Soil	0.9	27.9	10.2	67	0.1	24.7	9.6	299	2.43	10.8	0.8	2.4	4.4	37	0.3	0.8	0.2	42	0.50	0.064
113101	Soil	0.2	2.7	2.3	24	<0.1	1.9	0.7	943	0.72	0.5	0.4	<0.5	4.2	4	<0.1	<0.1	<0.1	3	0.03	0.014
113102	Soil	<0.1	56.6	2.4	33	<0.1	57.8	18.9	469	2.50	2.8	0.3	<0.5	1.9	11	<0.1	<0.1	<0.1	36	0.23	0.032
113103	Soil	0.5	18.3	6.2	72	<0.1	10.7	9.9	802	4.71	2.9	0.5	1.8	5.2	15	<0.1	0.3	<0.1	49	0.18	0.050
113104	Soil	0.3	3.3	2.1	76	<0.1	2.6	1.7	397	1.92	1.2	0.2	<0.5	1.1	15	<0.1	<0.1	<0.1	6	0.15	0.031
113105	Soil	0.4	19.6	3.2	80	<0.1	29.5	8.6	667	2.24	1.4	0.4	<0.5	1.4	16	<0.1	0.1	<0.1	17	0.15	0.014
113106	Soil	0.4	83.0	3.5	96	0.1	21.2	28.4	892	5.49	2.1	0.1	1.0	0.9	14	<0.1	0.2	<0.1	101	0.14	0.054
113107	Soil	0.6	9.2	5.1	34	<0.1	9.1	3.2	214	1.48	3.5	0.6	<0.5	5.7	8	<0.1	0.3	0.1	20	0.06	0.015
113109	Soil	0.2	62.1	8.5	40	<0.1	13.8	13.2	385	2.45	1.5	0.3	<0.5	2.7	9	<0.1	0.2	0.1	38	0.11	0.011



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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
113078	Soil	10	8	0.71	65	0.015	<1	1.34	0.004	0.07	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5
113079	Soil	11	2	0.52	73	0.108	<1	1.01	0.002	0.48	<0.1	<0.01	1.5	0.3	<0.05	3	<0.5
113080	Soil	6	123	2.09	96	0.056	<1	2.36	0.002	0.17	<0.1	<0.01	4.1	0.1	<0.05	6	<0.5
113081	Soil	20	5	0.30	96	0.047	<1	0.73	0.003	0.25	<0.1	<0.01	1.0	0.1	<0.05	3	<0.5
113082	Soil	17	12	0.27	167	0.040	<1	0.84	0.004	0.14	<0.1	<0.01	2.5	<0.1	<0.05	3	<0.5
113083	Soil	27	60	1.29	405	0.004	<1	2.19	0.003	0.07	0.1	0.04	4.8	<0.1	<0.05	7	1.7
113084	Soil	9	93	2.10	130	0.059	<1	2.47	0.002	0.03	<0.1	0.02	4.6	<0.1	<0.05	6	0.9
113085	Soil	19	71	1.67	217	0.022	<1	2.18	0.003	0.05	<0.1	0.02	5.9	<0.1	<0.05	5	1.9
113086	Soil	7	131	2.05	81	0.010	<1	2.91	0.002	0.03	<0.1	<0.01	5.9	<0.1	<0.05	6	<0.5
113087	Soil	15	130	2.27	81	0.005	<1	2.75	0.002	0.02	<0.1	0.01	4.7	<0.1	<0.05	7	2.5
113088	Soil	13	18	1.58	137	0.035	<1	2.64	0.002	0.05	<0.1	<0.01	5.4	<0.1	<0.05	8	<0.5
113089	Soil	10	194	3.37	103	0.012	<1	3.35	0.002	0.03	<0.1	0.03	12.0	<0.1	<0.05	8	<0.5
113090	Soil	8	153	3.14	79	0.006	<1	2.94	<0.001	0.03	<0.1	0.01	8.0	<0.1	<0.05	7	<0.5
113091	Soil	12	152	3.07	150	0.006	<1	3.50	0.003	0.06	<0.1	0.03	7.8	<0.1	<0.05	8	0.6
113092	Soil	6	44	1.83	111	0.070	<1	2.05	0.002	0.05	<0.1	0.03	4.2	<0.1	<0.05	6	<0.5
113094	Soil	23	11	0.59	212	0.012	<1	1.25	0.003	0.09	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5
113095	Soil	24	4	0.39	186	0.007	<1	0.77	0.002	0.08	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5
113096	Soil	21	12	0.29	162	0.032	1	0.82	0.003	0.13	<0.1	0.02	3.4	<0.1	<0.05	3	<0.5
113097	Soil	16	28	0.72	281	0.060	<1	1.81	0.007	0.08	0.1	0.03	5.2	<0.1	<0.05	5	0.7
113098	Soil	17	25	0.53	362	0.054	2	1.50	0.011	0.07	0.2	0.03	3.9	<0.1	<0.05	5	1.8
113099	Soil	16	25	0.43	321	0.067	1	1.29	0.017	0.06	0.1	0.03	3.0	<0.1	<0.05	4	<0.5
113100	Soil	18	27	0.45	408	0.058	1	1.27	0.014	0.06	0.2	0.04	3.1	<0.1	<0.05	4	0.8
113101	Soil	12	2	0.09	54	0.008	<1	0.41	0.001	0.07	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5
113102	Soil	3	130	1.51	36	0.094	1	1.69	0.002	0.02	<0.1	0.03	2.4	<0.1	<0.05	3	<0.5
113103	Soil	22	11	0.72	238	0.006	<1	2.02	0.004	0.17	<0.1	<0.01	5.6	<0.1	<0.05	6	<0.5
113104	Soil	3	3	1.04	34	0.058	<1	1.37	0.001	0.03	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5
113105	Soil	2	40	1.05	39	0.067	<1	1.59	0.002	0.02	<0.1	0.01	2.1	<0.1	<0.05	5	0.5
113106	Soil	2	9	2.76	63	0.102	<1	3.42	0.002	0.08	<0.1	0.01	6.9	<0.1	<0.05	11	<0.5
113107	Soil	22	14	0.29	124	0.022	<1	0.88	0.004	0.10	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5
113109	Soil	4	12	1.26	27	0.068	<1	1.55	0.001	0.03	<0.1	0.01	2.8	<0.1	<0.05	4	0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	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
113110	Soil	0.2	48.6	4.9	55	<0.1	21.6	17.5	506	3.59	4.9	0.2	1.4	1.3	12	<0.1	<0.1	0.1	61	0.18	0.009
113111	Soil	0.3	4.8	18.9	26	<0.1	1.6	1.1	145	0.97	2.9	1.1	<0.5	9.4	18	<0.1	<0.1	0.3	2	0.13	0.018
113112	Soil	<0.1	6.4	13.5	28	<0.1	2.3	2.8	152	1.06	3.0	0.8	<0.5	5.5	16	<0.1	<0.1	0.2	7	0.15	0.034
113113	Soil	0.4	35.2	7.0	37	0.1	28.2	11.3	424	1.93	5.7	0.9	0.9	4.6	23	<0.1	0.2	0.1	27	0.31	0.023
113114	Soil	0.6	24.7	8.0	55	0.2	22.6	17.8	2154	3.07	5.5	0.7	0.9	3.5	13	<0.1	0.3	0.1	58	0.17	0.038
113115	Soil	0.5	25.5	7.4	58	0.1	22.8	14.9	1052	3.10	6.0	0.7	0.7	3.7	13	<0.1	0.3	0.1	59	0.17	0.037
113116	Soil	0.5	15.9	12.8	50	<0.1	12.3	6.5	350	2.28	4.2	0.8	1.4	8.4	11	<0.1	0.3	0.2	36	0.14	0.017
113117	Soil	0.5	20.5	6.2	68	<0.1	11.5	6.4	320	2.69	6.2	1.5	1.1	3.6	28	<0.1	0.4	0.1	37	0.20	0.017
113118	Soil	0.2	4.1	4.9	52	<0.1	3.7	1.0	239	1.39	4.8	0.6	0.5	2.6	20	<0.1	0.1	<0.1	4	0.18	0.033
113119	Soil	0.3	16.0	10.3	21	<0.1	4.4	2.1	215	0.99	3.8	1.3	0.8	19.4	14	<0.1	0.3	0.2	7	0.13	0.006
113120	Soil	0.6	34.1	18.1	62	<0.1	17.6	7.1	205	1.90	3.9	1.2	2.3	16.9	10	<0.1	0.2	0.3	26	0.16	0.031
113121	Soil	0.2	10.1	11.1	53	<0.1	7.2	5.1	218	1.75	3.4	1.8	<0.5	12.1	17	0.1	0.2	<0.1	11	0.17	0.034
113122	Soil	0.5	174.6	3.2	111	0.1	16.7	23.6	785	4.82	6.0	0.3	10.8	1.2	24	<0.1	0.3	<0.1	95	0.28	0.089
113123	Soil	0.2	218.7	2.2	133	<0.1	27.2	37.1	812	5.34	4.7	0.3	1.1	0.9	40	<0.1	0.2	<0.1	154	0.42	0.092
113124	Soil	0.2	247.5	1.7	119	<0.1	25.0	32.5	784	4.96	3.8	0.3	5.3	1.0	25	<0.1	0.2	<0.1	142	0.34	0.099
113125	Soil	0.5	166.9	5.2	106	0.1	28.8	25.0	638	7.42	5.8	0.2	1.5	1.3	18	<0.1	0.2	<0.1	284	0.29	0.079
113126	Soil	0.1	168.7	3.3	88	<0.1	30.2	24.2	842	5.92	3.0	0.5	7.1	2.9	15	<0.1	<0.1	<0.1	167	0.30	0.092
113127	Soil	0.9	114.0	4.7	144	0.1	396.1	64.9	1322	7.93	82.7	0.7	4.0	4.5	27	0.1	0.3	0.1	175	1.38	0.073
113128	Soil	0.3	27.8	3.4	66	<0.1	26.6	14.2	450	3.28	4.1	0.6	<0.5	2.9	22	<0.1	0.2	<0.1	77	0.32	0.084
113129	Soil	0.3	107.7	1.6	42	<0.1	19.0	16.3	335	2.45	6.1	0.1	<0.5	0.6	51	<0.1	0.2	<0.1	70	0.35	0.038
113130	Soil	0.4	20.0	7.7	37	<0.1	7.9	3.3	164	1.90	6.5	0.4	<0.5	4.2	9	<0.1	0.2	<0.1	16	0.11	0.017
113131	Soil	0.3	110.4	1.2	87	<0.1	29.4	24.3	790	5.20	4.2	0.2	<0.5	0.4	27	<0.1	0.2	<0.1	147	0.36	0.058
113132	Soil	0.6	49.9	4.8	85	<0.1	44.8	13.3	414	3.40	9.9	0.9	<0.5	4.8	13	<0.1	0.3	<0.1	64	0.24	0.073
113133	Soil	0.2	77.0	1.6	76	<0.1	19.7	11.7	442	2.57	4.2	0.3	<0.5	0.9	24	<0.1	<0.1	<0.1	47	0.37	0.112
113134	Soil	1.7	62.1	6.1	69	0.3	50.7	19.5	340	3.58	14.0	0.8	0.6	3.6	29	<0.1	0.4	0.1	69	0.35	0.048
113136	Soil	1.0	60.7	9.8	76	0.5	53.2	15.8	518	3.13	27.4	0.9	6.1	5.3	52	0.2	0.7	0.2	51	2.97	0.076
113137	Soil	0.6	49.7	16.2	79	<0.1	9.0	6.1	639	2.77	5.1	3.1	<0.5	28.7	31	<0.1	0.1	0.2	25	0.26	0.122
113138	Soil	0.5	15.2	6.8	107	<0.1	14.6	12.0	328	4.00	8.0	0.5	<0.5	3.8	37	<0.1	0.4	<0.1	46	0.22	0.030
113139	Soil	0.6	83.7	11.9	89	<0.1	19.1	16.3	566	5.06	6.1	0.5	<0.5	2.6	25	0.2	0.2	<0.1	103	0.25	0.100
113140	Soil	0.6	80.8	11.0	89	<0.1	17.7	16.9	551	4.92	5.7	0.5	<0.5	2.7	28	0.2	0.2	<0.1	98	0.29	0.110



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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
113110	Soil	3	31	1.79	79	0.034	<1	2.41	0.003	0.04	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
113111	Soil	13	2	0.19	79	0.024	<1	0.60	0.002	0.19	<0.1	<0.01	1.1	0.1	<0.05	2	<0.5	<0.2
113112	Soil	6	3	0.24	88	0.053	<1	0.57	0.002	0.22	<0.1	<0.01	0.9	0.2	<0.05	3	<0.5	<0.2
113113	Soil	11	52	1.21	212	0.032	<1	1.49	0.005	0.05	0.1	<0.01	2.9	<0.1	<0.05	3	<0.5	<0.2
113114	Soil	10	42	1.07	256	0.066	<1	1.84	0.007	0.09	<0.1	<0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
113115	Soil	10	43	1.10	232	0.075	1	1.93	0.006	0.11	<0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
113116	Soil	24	19	0.70	197	0.067	<1	1.35	0.004	0.22	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
113117	Soil	12	14	0.61	246	0.054	<1	1.49	0.006	0.07	<0.1	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
113118	Soil	6	1	0.23	108	0.040	<1	0.66	0.003	0.18	<0.1	<0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
113119	Soil	35	4	0.32	206	0.006	<1	0.96	0.004	0.07	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
113120	Soil	29	32	0.68	442	0.038	<1	1.01	0.004	0.10	<0.1	0.01	4.3	<0.1	<0.05	3	<0.5	<0.2
113121	Soil	30	10	0.48	273	0.063	<1	1.05	0.003	0.10	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
113122	Soil	4	13	1.64	226	0.059	<1	2.72	0.003	0.05	<0.1	<0.01	4.3	<0.1	<0.05	8	<0.5	<0.2
113123	Soil	6	16	2.62	344	0.116	1	3.14	0.002	0.10	<0.1	<0.01	4.5	<0.1	<0.05	11	<0.5	<0.2
113124	Soil	8	17	2.42	160	0.091	<1	2.95	0.002	0.09	<0.1	<0.01	6.3	<0.1	<0.05	10	<0.5	<0.2
113125	Soil	4	31	2.38	656	0.351	<1	3.87	0.006	1.32	<0.1	<0.01	14.2	0.7	<0.05	13	<0.5	<0.2
113126	Soil	12	38	2.66	262	0.037	<1	3.26	0.002	0.12	<0.1	<0.01	10.8	<0.1	<0.05	12	<0.5	<0.2
113127	Soil	18	322	5.15	223	0.009	<1	5.26	0.004	0.04	<0.1	<0.01	16.1	<0.1	<0.05	14	<0.5	<0.2
113128	Soil	10	47	1.83	188	0.100	<1	2.15	0.003	0.17	<0.1	<0.01	5.6	<0.1	<0.05	7	<0.5	<0.2
113129	Soil	1	22	1.05	243	0.148	<1	1.44	0.004	0.12	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
113130	Soil	20	9	0.58	230	0.004	<1	1.61	0.003	0.09	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
113131	Soil	2	46	2.84	346	0.181	<1	3.20	0.004	0.43	<0.1	<0.01	4.6	0.1	<0.05	8	0.8	<0.2
113132	Soil	9	59	1.46	150	0.082	<1	2.07	0.003	0.05	<0.1	<0.01	5.7	<0.1	<0.05	6	0.6	<0.2
113133	Soil	3	22	1.04	248	0.103	<1	1.39	0.002	0.32	<0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
113134	Soil	7	55	1.01	409	0.105	1	1.87	0.004	0.07	<0.1	<0.01	5.5	<0.1	<0.05	6	0.8	<0.2
113136	Soil	19	47	1.04	331	0.058	1	1.59	0.012	0.06	0.3	0.04	3.9	<0.1	<0.05	5	0.8	<0.2
113137	Soil	26	8	0.87	176	0.101	<1	1.68	0.005	0.43	<0.1	<0.01	1.8	0.2	<0.05	5	<0.5	<0.2
113138	Soil	13	17	1.92	681	0.185	<1	3.20	0.011	0.61	<0.1	<0.01	1.9	0.2	<0.05	8	0.5	<0.2
113139	Soil	4	22	1.91	374	0.230	<1	3.03	0.008	0.51	0.1	<0.01	3.1	0.1	<0.05	9	<0.5	<0.2
113140	Soil	4	21	1.83	430	0.239	<1	2.94	0.008	0.55	0.1	0.01	3.0	0.1	<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
113141	Soil	0.3	22.7	11.5	104	<0.1	7.1	7.3	377	2.75	5.3	1.2	<0.5	6.7	52	<0.1	0.2	<0.1	26	0.27	0.056
113142	Soil	0.9	30.8	11.9	82	0.1	17.8	10.3	338	3.35	13.3	0.8	<0.5	3.9	18	0.1	0.6	0.2	58	0.16	0.110
113143	Soil	1.0	21.9	14.0	87	0.1	15.0	11.0	316	3.60	13.8	0.9	55.7	5.0	60	0.1	0.5	0.2	56	0.23	0.081
113144	Soil	0.4	63.7	8.0	82	<0.1	26.5	24.8	643	3.92	6.4	0.9	1.4	5.1	55	<0.1	0.2	0.2	101	0.56	0.157
113145	Soil	0.6	32.7	11.5	52	0.8	8.6	9.0	673	2.02	8.1	0.6	0.6	3.6	41	0.2	0.3	0.1	36	0.25	0.096
113146	Soil	0.2	21.5	2.8	49	<0.1	2.7	7.3	406	1.92	<0.5	0.7	<0.5	2.9	30	<0.1	<0.1	<0.1	33	0.29	0.096
113147	Soil	1.3	10.5	9.9	74	0.4	7.1	5.9	290	2.75	4.0	1.2	<0.5	8.5	29	<0.1	0.2	0.2	27	0.18	0.054
113148	Soil	0.3	9.8	3.1	51	<0.1	85.3	23.1	327	3.37	2.0	0.3	<0.5	1.5	25	<0.1	0.1	<0.1	132	0.66	0.212
113149	Soil	6.0	41.8	7.9	169	0.7	36.5	8.6	266	3.22	4.3	1.4	<0.5	7.7	11	0.4	0.2	0.2	55	0.12	0.035
113150	Soil	2.6	63.0	7.2	140	0.1	103.6	38.2	767	6.09	4.6	0.9	<0.5	3.7	16	0.2	0.2	0.1	183	0.34	0.121
113151	Soil	1.0	26.0	12.3	72	0.6	29.0	11.5	302	2.92	10.1	0.5	<0.5	3.4	14	0.1	0.5	0.2	63	0.15	0.037
113152	Soil	2.0	115.3	10.5	142	0.5	59.7	19.9	798	3.98	12.1	2.4	1.1	5.8	13	0.5	0.3	0.2	109	0.28	0.159
113153	Soil	1.7	72.1	10.2	186	1.1	127.4	27.5	1166	5.49	7.4	1.1	<0.5	4.1	13	0.4	0.4	0.2	184	0.17	0.063
113154	Soil	1.5	28.7	9.3	123	2.9	28.1	11.3	680	2.74	9.2	0.7	1.7	2.5	18	0.8	0.5	0.2	63	0.17	0.142
113155	Soil	0.8	27.7	6.2	63	<0.1	15.2	11.7	709	2.05	3.2	0.2	1.0	0.8	19	0.3	0.3	<0.1	61	0.37	0.078
113156	Soil	0.8	90.0	6.2	76	0.2	37.8	18.9	671	3.87	6.6	0.2	0.7	1.4	23	0.1	0.4	<0.1	111	0.34	0.088
113157	Soil	1.6	133.7	885.4	1038	1.3	78.0	16.4	1232	4.05	8.8	1.7	0.8	5.3	20	1.7	0.5	0.5	153	0.37	0.220
113158	Soil	1.1	48.5	16.2	69	1.0	31.5	8.2	231	2.61	12.9	1.0	4.4	5.1	11	0.2	0.9	0.2	49	0.10	0.032
113159	Soil	0.9	23.7	12.6	84	1.2	35.5	11.3	329	2.52	7.5	0.6	<0.5	3.2	16	0.3	0.4	0.3	55	0.20	0.094
113160	Soil	1.3	58.2	9.2	98	0.3	44.7	10.1	254	3.37	6.7	1.1	14.8	4.4	17	0.1	0.4	0.2	80	0.16	0.043
113161	Soil	3.8	81.0	58.8	118	2.9	49.8	10.6	194	3.52	36.3	1.7	3.4	4.8	13	0.4	0.6	0.2	65	0.06	0.061
113162	Soil	1.0	141.7	9.3	81	0.1	33.9	22.3	779	5.64	4.2	1.4	3.6	1.8	25	<0.1	0.4	0.1	160	0.39	0.087
113163	Soil	1.0	20.0	18.0	61	0.1	19.0	6.6	220	2.22	10.3	1.4	3.5	12.1	9	0.1	0.5	0.2	36	0.07	0.013
113164	Soil	1.8	39.2	15.0	94	1.2	56.9	13.2	537	3.06	16.7	0.5	2.6	4.7	16	0.3	0.7	0.2	68	0.24	0.064
113165	Soil	1.7	29.7	12.7	104	1.1	50.4	12.6	689	3.03	13.7	0.5	1.7	3.3	16	0.4	0.6	0.2	69	0.24	0.066
113166	Soil	0.9	46.2	4.8	99	<0.1	237.3	26.6	457	5.38	2.2	0.4	<0.5	3.1	7	<0.1	0.3	<0.1	156	0.10	0.038
113167	Soil	0.5	123.9	1.8	75	<0.1	26.0	15.5	500	3.65	0.9	0.3	0.7	1.3	12	<0.1	<0.1	<0.1	111	0.29	0.105
113168	Soil	0.5	103.5	3.2	96	<0.1	122.2	28.3	828	6.07	2.0	0.4	<0.5	2.6	10	<0.1	0.2	<0.1	206	0.20	0.067
113169	Soil	1.1	65.9	5.4	67	<0.1	106.8	23.7	669	3.99	2.2	0.4	1.4	1.9	16	0.1	0.2	<0.1	133	0.20	0.047
113170	Soil	0.7	38.8	10.3	78	0.2	33.2	18.7	417	4.27	5.5	0.6	0.8	3.7	14	0.2	0.3	0.1	67	0.18	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
113141	Soil	11	7	1.23	251	0.162	<1	2.65	0.011	0.22	<0.1	<0.01	1.4	0.2	<0.05	8	<0.5
113142	Soil	10	24	0.78	220	0.072	1	2.41	0.008	0.11	0.2	0.02	2.2	<0.1	<0.05	7	<0.5
113143	Soil	9	20	1.36	249	0.113	2	2.92	0.006	0.13	0.2	<0.01	2.1	0.1	<0.05	8	<0.5
113144	Soil	7	29	2.40	706	0.272	<1	3.00	0.020	0.75	0.3	0.01	2.0	0.1	<0.05	9	<0.5
113145	Soil	6	12	0.50	185	0.112	<1	1.40	0.012	0.26	0.1	0.02	2.1	0.1	<0.05	4	<0.5
113146	Soil	5	4	0.87	353	0.135	<1	1.28	0.004	0.61	<0.1	0.01	0.8	0.2	<0.05	5	<0.5
113147	Soil	11	9	1.21	271	0.150	1	2.17	0.006	0.39	0.1	0.02	1.4	0.1	<0.05	6	<0.5
113148	Soil	11	197	2.51	287	0.202	<1	2.63	0.009	0.57	<0.1	<0.01	9.0	0.6	<0.05	8	<0.5
113149	Soil	16	31	1.03	139	0.067	<1	2.00	0.004	0.27	<0.1	0.01	2.1	0.3	<0.05	9	0.6
113150	Soil	11	156	3.12	362	0.323	<1	4.01	0.012	1.23	<0.1	<0.01	12.6	0.5	<0.05	14	1.1
113151	Soil	9	48	0.97	193	0.083	<1	1.89	0.006	0.15	0.1	<0.01	3.2	0.1	<0.05	6	<0.5
113152	Soil	22	58	0.99	211	0.015	<1	2.02	0.004	0.13	<0.1	<0.01	3.7	<0.1	<0.05	8	0.7
113153	Soil	19	131	1.47	330	0.131	<1	3.35	0.007	0.10	<0.1	0.02	12.6	0.1	<0.05	12	<0.5
113154	Soil	11	27	0.30	338	0.024	<1	1.10	0.004	0.04	0.1	0.02	1.7	<0.1	<0.05	6	<0.5
113155	Soil	5	26	0.35	265	0.048	<1	1.04	0.020	0.03	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5
113156	Soil	4	80	0.94	366	0.106	<1	1.83	0.017	0.08	<0.1	0.01	5.1	<0.1	<0.05	7	<0.5
113157	Soil	23	48	0.83	383	0.072	<1	1.83	0.005	0.24	0.1	0.01	3.1	0.2	<0.05	6	<0.5
113158	Soil	13	32	0.47	157	0.052	<1	1.34	0.005	0.07	0.2	0.03	3.0	<0.1	<0.05	4	<0.5
113159	Soil	11	41	0.62	249	0.056	<1	1.48	0.004	0.14	0.2	0.02	3.3	0.1	<0.05	5	<0.5
113160	Soil	19	58	0.90	371	0.087	<1	1.76	0.006	0.18	<0.1	0.03	5.1	0.1	<0.05	7	<0.5
113161	Soil	17	52	0.50	235	0.016	<1	1.45	0.003	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	2.1
113162	Soil	5	36	1.44	259	0.026	<1	2.70	0.004	0.10	<0.1	<0.01	7.1	<0.1	<0.05	10	<0.5
113163	Soil	32	31	0.54	153	0.050	<1	1.30	0.004	0.06	0.1	<0.01	2.7	<0.1	<0.05	5	<0.5
113164	Soil	11	69	0.84	208	0.060	<1	2.00	0.004	0.08	0.2	0.02	2.9	<0.1	<0.05	7	<0.5
113165	Soil	10	69	0.74	233	0.048	<1	1.98	0.005	0.08	0.2	0.01	2.5	<0.1	<0.05	7	0.6
113166	Soil	5	418	2.98	124	0.099	<1	3.68	0.003	0.15	<0.1	<0.01	11.8	0.2	<0.05	11	<0.5
113167	Soil	3	49	1.71	730	0.196	<1	2.44	0.015	1.11	0.1	<0.01	5.3	0.3	<0.05	8	<0.5
113168	Soil	12	166	3.33	399	0.172	<1	3.80	0.008	0.78	<0.1	<0.01	12.7	0.2	<0.05	10	<0.5
113169	Soil	4	182	2.23	424	0.188	<1	2.89	0.009	0.58	<0.1	<0.01	6.3	0.2	<0.05	9	0.5
113170	Soil	7	34	1.89	418	0.189	<1	3.15	0.008	0.76	0.1	<0.01	2.4	0.5	<0.05	9	<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
113171	Soil	2.8	91.0	12.8	93	<0.1	68.9	16.0	407	4.22	3.6	2.3	<0.5	8.9	16	0.1	0.3	0.3	102	0.16	0.047
113172	Soil	4.4	74.7	16.0	219	0.1	98.2	24.2	1121	4.88	4.8	1.2	1.0	8.1	17	0.4	0.2	0.3	164	0.21	0.067
113173	Soil	1.1	43.4	8.4	101	<0.1	36.0	14.0	381	4.22	5.3	1.7	1.9	6.7	19	0.2	0.4	<0.1	98	0.17	0.031
113174	Soil	0.4	30.6	9.2	57	<0.1	26.5	6.6	152	1.95	4.7	2.0	1.4	11.4	14	0.1	0.3	<0.1	27	0.10	0.031
113175	Soil	0.1	6.6	4.0	48	<0.1	4.9	3.2	183	1.02	1.3	1.7	1.1	10.2	18	<0.1	0.1	<0.1	6	0.17	0.052
113176	Soil	1.2	20.7	8.4	49	0.2	16.8	5.6	137	1.77	5.7	1.5	3.4	4.3	24	0.2	0.6	0.1	37	0.46	0.033
114052	Soil	0.7	13.4	16.6	78	<0.1	9.9	5.5	255	2.14	5.3	0.6	1.0	4.9	22	<0.1	0.2	0.2	39	0.40	0.055
114053	Soil	0.5	16.2	13.3	34	<0.1	4.3	4.3	455	1.32	1.5	1.4	1.3	16.9	33	<0.1	0.2	0.1	17	0.21	0.108
114054	Soil	0.4	24.1	3.0	55	<0.1	6.5	8.5	411	2.42	0.7	0.4	1.2	1.9	26	<0.1	<0.1	0.1	48	0.30	0.088
114055	Soil	1.1	58.9	249.8	285	0.3	23.0	9.6	682	2.32	2.0	1.0	4.3	9.9	59	0.4	0.2	0.5	44	0.43	0.118
114056	Soil	1.1	34.5	5.7	65	<0.1	43.6	13.7	261	2.91	2.7	0.5	1.3	2.4	14	0.1	0.2	<0.1	72	0.30	0.071
114057	Soil	0.7	37.0	4.9	66	<0.1	47.3	13.7	330	2.77	3.1	0.8	2.6	3.0	16	<0.1	0.2	<0.1	63	0.53	0.120
114058	Soil	1.3	27.3	7.3	61	0.3	32.2	9.8	230	2.64	3.4	0.6	<0.5	2.0	14	0.2	0.2	0.1	66	0.29	0.057
114059	Soil	0.4	31.9	6.1	56	<0.1	18.4	8.4	342	2.12	1.9	0.6	0.9	5.5	35	<0.1	0.1	<0.1	42	0.42	0.119
114060	Soil	0.6	31.8	5.5	66	<0.1	27.6	11.6	280	2.62	2.7	0.4	1.6	2.4	21	<0.1	0.1	<0.1	62	0.31	0.077
114061	Soil	0.8	25.6	24.3	79	<0.1	24.4	10.5	313	2.33	4.5	0.7	1.2	6.1	23	<0.1	0.2	0.2	47	0.28	0.076
114062	Soil	0.6	27.4	19.1	78	<0.1	24.9	9.5	297	2.35	4.4	0.7	<0.5	5.4	21	<0.1	0.2	0.2	50	0.29	0.080
114063	Soil	0.8	20.6	12.9	60	<0.1	18.9	8.4	209	2.11	5.7	0.8	4.5	6.6	20	<0.1	0.4	0.2	41	0.19	0.043
114064	Soil	0.8	18.2	7.4	62	0.1	17.4	7.3	215	1.70	4.7	0.9	3.7	3.5	20	0.2	0.5	0.1	34	0.34	0.068
114065	Soil	0.6	34.5	14.5	82	<0.1	12.8	10.2	429	3.17	6.2	1.6	1.4	7.5	25	<0.1	0.4	0.1	41	0.14	0.018
114066	Soil	0.2	49.9	4.0	50	<0.1	13.2	16.0	296	2.37	1.1	0.6	0.5	3.6	43	<0.1	<0.1	<0.1	68	0.37	0.086
114067	Soil	0.7	29.4	9.7	78	<0.1	12.9	10.2	349	2.72	4.8	1.2	1.2	8.0	41	<0.1	0.3	0.2	40	0.26	0.104
114068	Soil	0.3	60.3	5.7	49	<0.1	12.0	12.7	227	2.28	2.2	1.0	<0.5	6.3	40	<0.1	0.1	<0.1	42	0.29	0.063
114069	Soil	0.4	75.3	6.5	72	<0.1	20.2	21.4	428	3.15	1.9	1.2	24.2	5.9	58	<0.1	0.1	<0.1	82	0.49	0.098
114070	Soil	0.6	38.9	10.2	75	<0.1	16.3	11.4	316	2.70	3.0	1.4	3.6	11.9	40	<0.1	0.3	0.1	47	0.26	0.042
114071	Soil	0.7	39.7	9.7	67	<0.1	12.5	12.0	507	3.07	2.9	1.2	<0.5	6.3	45	<0.1	0.1	0.1	65	0.26	0.077
114072	Soil	0.8	24.4	8.4	71	<0.1	14.8	10.7	256	2.64	6.4	1.2	4.1	6.2	29	<0.1	0.4	0.1	44	0.30	0.064
114073	Soil	0.8	19.4	7.8	56	<0.1	16.7	7.5	205	2.20	5.9	0.6	1.6	4.5	19	<0.1	0.4	0.1	42	0.20	0.051
114074	Soil	1.0	19.5	8.3	60	<0.1	14.3	8.0	225	2.44	5.7	0.6	1.9	4.5	22	<0.1	0.4	0.1	48	0.19	0.046
114075	Soil	1.0	16.4	8.8	56	<0.1	11.1	5.7	202	2.32	3.6	0.8	1.6	1.7	39	<0.1	0.2	0.1	43	0.21	0.083



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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
113171	Soil	23	81	1.86	419	0.188	<1	2.50	0.009	0.74	<0.1	0.01	7.6	0.6	<0.05	9	1.3
113172	Soil	13	181	2.92	739	0.249	<1	3.74	0.014	1.29	<0.1	<0.01	13.1	0.7	<0.05	12	1.0
113173	Soil	23	57	1.65	621	0.222	<1	2.60	0.011	0.76	<0.1	<0.01	7.0	0.6	<0.05	9	0.7
113174	Soil	33	41	0.72	146	0.120	<1	1.27	0.004	0.30	<0.1	<0.01	2.0	0.2	<0.05	4	<0.5
113175	Soil	27	6	0.38	81	0.074	<1	0.80	0.003	0.31	<0.1	<0.01	1.0	0.2	<0.05	3	<0.5
113176	Soil	12	23	0.40	278	0.061	<1	1.13	0.008	0.10	0.1	0.02	2.3	<0.1	<0.05	4	0.7
114052	Soil	13	19	0.59	316	0.054	<1	1.32	0.006	0.05	0.1	0.01	1.8	0.1	<0.05	5	<0.5
114053	Soil	25	7	0.32	108	0.042	<1	0.75	0.002	0.15	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5
114054	Soil	4	6	1.00	385	0.142	<1	1.43	0.003	0.56	<0.1	<0.01	1.0	0.2	<0.05	5	<0.5
114055	Soil	28	31	1.08	331	0.091	<1	1.48	0.006	0.37	<0.1	0.04	2.4	0.2	<0.05	5	<0.5
114056	Soil	8	71	1.07	187	0.101	<1	1.72	0.009	0.08	<0.1	0.01	3.1	<0.1	<0.05	6	<0.5
114057	Soil	11	63	1.13	325	0.095	<1	1.79	0.011	0.19	<0.1	<0.01	3.7	<0.1	<0.05	5	<0.5
114058	Soil	9	54	0.86	209	0.084	<1	1.64	0.009	0.06	0.1	0.03	3.2	<0.1	<0.05	6	<0.5
114059	Soil	11	25	0.87	279	0.063	<1	1.30	0.004	0.22	<0.1	<0.01	1.9	0.1	<0.05	4	<0.5
114060	Soil	6	41	1.06	212	0.115	<1	1.68	0.006	0.21	<0.1	<0.01	2.2	0.1	<0.05	5	<0.5
114061	Soil	12	41	0.78	136	0.077	<1	1.38	0.005	0.09	<0.1	<0.01	2.0	0.1	<0.05	4	<0.5
114062	Soil	13	42	0.88	140	0.085	<1	1.45	0.005	0.12	0.1	0.01	2.2	0.1	<0.05	5	<0.5
114063	Soil	15	28	0.63	173	0.067	<1	1.34	0.006	0.05	0.2	0.02	2.0	<0.1	<0.05	4	<0.5
114064	Soil	12	21	0.45	209	0.044	2	0.98	0.009	0.04	0.1	0.03	2.1	<0.1	<0.05	3	<0.5
114065	Soil	17	17	1.43	251	0.180	<1	2.54	0.007	0.14	<0.1	<0.01	2.3	0.1	<0.05	9	<0.5
114066	Soil	6	15	1.59	549	0.212	<1	1.87	0.005	0.69	<0.1	<0.01	1.0	0.1	<0.05	6	<0.5
114067	Soil	11	18	1.20	110	0.104	<1	1.75	0.004	0.15	0.2	<0.01	1.3	<0.1	<0.05	7	<0.5
114068	Soil	12	10	1.33	416	0.146	<1	1.70	0.004	0.66	0.1	<0.01	1.1	0.3	<0.05	5	<0.5
114069	Soil	10	24	1.90	793	0.233	<1	2.36	0.008	0.84	0.1	<0.01	1.5	0.2	<0.05	7	<0.5
114070	Soil	34	23	1.11	325	0.133	<1	2.01	0.006	0.21	<0.1	<0.01	2.1	0.1	<0.05	6	<0.5
114071	Soil	10	19	1.25	283	0.182	<1	1.82	0.005	0.49	<0.1	<0.01	2.1	0.2	<0.05	7	<0.5
114072	Soil	24	20	0.89	320	0.109	<1	1.64	0.007	0.11	0.2	0.02	2.4	<0.1	<0.05	5	<0.5
114073	Soil	12	23	0.63	159	0.083	<1	1.32	0.006	0.09	0.2	0.02	1.9	<0.1	<0.05	4	<0.5
114074	Soil	11	20	0.73	147	0.114	<1	1.47	0.005	0.10	0.2	<0.01	1.7	0.2	<0.05	5	<0.5
114075	Soil	9	15	0.61	99	0.100	<1	1.45	0.005	0.08	0.1	0.01	1.3	<0.1	<0.05	6	<0.5



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Project: Aussie-Melba
Report Date: July 02, 2011

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CERTIFICATE OF ANALYSIS

WHI11000247.1

	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
114076	Soil	0.7	17.0	10.3	96	<0.1	13.6	8.1	460	3.63	3.8	1.1	1.1	9.9	55	0.1	0.3	<0.1	39	0.47	0.149
114077	Soil	1.3	33.3	9.6	72	<0.1	31.4	9.9	297	2.51	8.5	0.8	6.7	5.0	24	0.1	0.7	0.2	50	0.32	0.063
114078	Soil	1.4	48.2	8.9	107	<0.1	56.5	17.2	535	3.71	5.0	0.7	5.8	4.5	26	0.2	0.5	0.1	83	0.51	0.089
114079	Soil	1.9	61.1	8.0	105	0.1	74.1	21.3	805	4.70	3.7	1.3	1.6	7.2	23	0.2	0.3	0.1	103	0.54	0.093



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CERTIFICATE OF ANALYSIS

WHI11000247.1

	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
114076	Soil	18	16	1.72	462	0.196	<1	2.46	0.011	0.69	0.1	<0.01	2.4	0.2	<0.05	9	<0.5	<0.2
114077	Soil	15	38	0.61	310	0.072	<1	1.34	0.010	0.04	0.2	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
114078	Soil	16	66	1.34	374	0.194	<1	2.15	0.010	0.50	0.1	0.02	5.6	0.2	<0.05	8	<0.5	<0.2
114079	Soil	27	135	2.14	318	0.216	<1	2.80	0.010	0.25	<0.1	0.01	8.6	0.2	<0.05	11	0.6	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000247.1

	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																					
111199	Soil	0.3	26.6	4.9	66	<0.1	12.3	7.5	383	2.48	1.2	0.5	1.3	2.9	11	0.1	<0.1	<0.1	18	0.15	0.023
REP 111199	QC	0.3	27.0	5.5	64	<0.1	12.6	7.4	383	2.50	1.3	0.5	1.2	2.9	12	0.2	<0.1	<0.1	18	0.15	0.023
111218	Soil	0.6	16.1	6.7	50	<0.1	15.9	6.4	172	1.59	3.0	2.5	1.5	11.2	15	<0.1	0.3	<0.1	24	0.08	0.028
REP 111218	QC	0.6	15.8	6.5	51	<0.1	15.9	6.5	168	1.55	3.0	2.6	1.9	11.3	15	<0.1	0.3	<0.1	23	0.08	0.027
112126	Soil	3.2	55.2	11.6	109	<0.1	56.9	13.3	572	3.89	9.8	1.4	1.0	9.7	9	0.3	0.2	0.3	50	0.18	0.062
REP 112126	QC	3.2	55.0	11.2	112	<0.1	56.3	13.5	582	3.81	9.2	1.5	1.1	10.0	8	0.2	0.2	0.3	48	0.17	0.060
112150	Soil	0.6	7.9	7.3	26	<0.1	9.8	4.4	411	1.31	4.9	0.7	<0.5	7.9	14	<0.1	0.3	<0.1	17	0.16	0.063
REP 112150	QC	0.6	8.7	7.7	27	<0.1	10.6	4.7	418	1.31	5.2	0.7	<0.5	8.1	14	<0.1	0.3	<0.1	17	0.16	0.070
112156	Soil	0.9	13.4	13.7	31	<0.1	13.6	4.7	179	1.32	4.4	1.0	0.6	15.7	4	<0.1	0.3	0.2	15	0.03	0.013
REP 112156	QC	0.8	13.2	13.8	28	<0.1	13.1	4.8	180	1.26	3.9	1.0	1.0	15.9	4	<0.1	0.3	0.2	15	0.03	0.014
112175	Soil	0.4	16.8	12.0	66	<0.1	8.1	7.6	300	2.20	3.2	0.9	2.3	5.9	71	<0.1	0.2	<0.1	27	0.49	0.063
REP 112175	QC	0.4	16.7	11.6	68	<0.1	8.2	7.5	309	2.24	3.5	0.9	2.0	5.9	73	<0.1	0.2	<0.1	27	0.47	0.067
112191	Soil	0.9	51.5	18.9	89	0.2	66.3	15.1	678	3.87	11.0	1.7	28.8	14.4	20	0.2	0.6	0.2	74	0.35	0.047
REP 112191	QC	1.0	52.6	19.9	91	0.2	66.8	15.1	669	3.84	10.7	1.9	34.4	14.6	20	0.2	0.6	0.2	73	0.34	0.049
112211	Soil	0.3	43.7	6.5	91	<0.1	42.3	12.8	392	3.18	1.8	1.2	1.8	5.1	20	0.2	0.3	0.1	71	0.33	0.044
REP 112211	QC	0.3	42.9	6.4	89	<0.1	42.2	12.2	387	3.18	1.7	1.2	1.7	5.0	20	0.2	0.3	<0.1	68	0.31	0.046
112236	Soil	0.7	39.3	11.1	107	0.2	32.4	10.4	318	3.58	6.7	1.1	<0.5	6.6	23	0.2	0.3	0.1	83	0.28	0.058
REP 112236	QC	0.7	40.2	11.0	105	0.2	34.0	11.0	321	3.62	7.2	1.1	0.6	6.6	24	0.2	0.3	0.1	85	0.28	0.059
113079	Soil	0.2	30.7	5.5	49	<0.1	2.4	3.8	236	1.84	0.8	1.1	<0.5	7.3	12	<0.1	<0.1	<0.1	6	0.14	0.041
REP 113079	QC	0.2	30.8	5.0	51	<0.1	2.4	3.8	239	1.95	1.0	1.0	<0.5	6.8	12	<0.1	<0.1	<0.1	6	0.12	0.041
113098	Soil	0.8	42.8	10.4	55	0.1	27.0	10.4	517	2.49	8.2	3.2	3.4	4.6	50	0.3	0.7	0.2	42	0.68	0.041
REP 113098	QC	0.8	44.1	10.8	55	0.1	27.5	10.6	531	2.51	8.3	3.2	3.8	4.9	50	0.3	0.7	0.2	43	0.72	0.043
113119	Soil	0.3	16.0	10.3	21	<0.1	4.4	2.1	215	0.99	3.8	1.3	0.8	19.4	14	<0.1	0.3	0.2	7	0.13	0.006
REP 113119	QC	0.2	16.0	10.3	20	<0.1	4.3	2.1	208	0.98	3.7	1.3	1.0	19.0	14	<0.1	0.3	0.2	8	0.13	0.006
113141	Soil	0.3	22.7	11.5	104	<0.1	7.1	7.3	377	2.75	5.3	1.2	<0.5	6.7	52	<0.1	0.2	<0.1	26	0.27	0.056
REP 113141	QC	0.3	22.4	11.0	100	<0.1	7.0	7.3	380	2.73	5.1	1.2	<0.5	6.5	51	<0.1	0.2	<0.1	27	0.28	0.059
113157	Soil	1.6	133.7	885.4	1038	1.3	78.0	16.4	1232	4.05	8.8	1.7	0.8	5.3	20	1.7	0.5	0.5	153	0.37	0.220
REP 113157	QC	1.7	130.8	877.9	1020	1.3	73.6	15.7	1187	3.87	8.6	1.7	0.8	5.3	20	1.6	0.4	0.6	149	0.38	0.227



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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																		
111199	Soil	6	20	1.39	118	0.076	1	1.81	<0.001	0.11	<0.1	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
REP 111199	QC	6	21	1.43	118	0.082	<1	1.83	0.014	0.10	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
111218	Soil	19	15	0.34	138	0.068	<1	1.25	0.004	0.17	<0.1	0.02	2.4	0.2	<0.05	4	<0.5	<0.2
REP 111218	QC	18	15	0.34	146	0.066	<1	1.25	0.004	0.17	<0.1	0.03	2.3	0.2	<0.05	4	<0.5	<0.2
112126	Soil	26	63	1.86	262	0.024	<1	2.45	0.003	0.05	<0.1	0.02	6.6	<0.1	<0.05	6	<0.5	<0.2
REP 112126	QC	26	64	1.86	257	0.023	<1	2.43	0.003	0.05	<0.1	0.02	6.5	<0.1	<0.05	7	0.7	<0.2
112150	Soil	9	10	0.27	72	0.033	<1	0.84	0.002	0.07	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
REP 112150	QC	9	11	0.29	76	0.032	<1	0.89	0.003	0.08	0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
112156	Soil	29	17	0.35	148	0.014	<1	1.11	0.005	0.07	<0.1	<0.01	1.5	0.1	<0.05	2	<0.5	<0.2
REP 112156	QC	27	17	0.34	154	0.013	<1	1.06	0.003	0.07	<0.1	<0.01	1.4	0.1	<0.05	2	<0.5	<0.2
112175	Soil	12	9	1.33	213	0.048	<1	2.23	0.006	0.08	<0.1	<0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
REP 112175	QC	12	9	1.36	217	0.049	<1	2.31	0.007	0.08	<0.1	<0.01	1.7	0.1	<0.05	6	<0.5	<0.2
112191	Soil	34	113	1.52	325	0.021	<1	2.33	0.008	0.13	<0.1	0.06	8.6	<0.1	<0.05	10	0.8	<0.2
REP 112191	QC	35	109	1.56	330	0.020	<1	2.42	0.008	0.13	<0.1	0.07	8.4	<0.1	<0.05	10	<0.5	<0.2
112211	Soil	13	78	1.48	251	0.096	<1	1.99	0.005	0.10	<0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
REP 112211	QC	13	75	1.44	244	0.093	<1	1.94	0.005	0.09	<0.1	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
112236	Soil	8	66	1.25	464	0.130	<1	2.56	0.006	0.35	<0.1	<0.01	3.8	0.2	<0.05	10	0.6	<0.2
REP 112236	QC	8	66	1.24	472	0.137	<1	2.55	0.007	0.36	<0.1	<0.01	3.8	0.1	<0.05	10	0.5	<0.2
113079	Soil	11	2	0.52	73	0.108	<1	1.01	0.002	0.48	<0.1	<0.01	1.5	0.3	<0.05	3	<0.5	<0.2
REP 113079	QC	10	3	0.55	74	0.110	<1	1.03	0.002	0.51	<0.1	<0.01	1.4	0.3	<0.05	3	<0.5	<0.2
113098	Soil	17	25	0.53	362	0.054	2	1.50	0.011	0.07	0.2	0.03	3.9	<0.1	<0.05	5	1.8	<0.2
REP 113098	QC	18	26	0.54	369	0.056	2	1.50	0.011	0.08	0.2	0.04	4.0	<0.1	<0.05	5	1.8	<0.2
113119	Soil	35	4	0.32	206	0.006	<1	0.96	0.004	0.07	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
REP 113119	QC	34	4	0.32	206	0.007	<1	0.98	0.004	0.07	<0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
113141	Soil	11	7	1.23	251	0.162	<1	2.65	0.011	0.22	<0.1	<0.01	1.4	0.2	<0.05	8	<0.5	<0.2
REP 113141	QC	11	8	1.23	253	0.163	<1	2.60	0.010	0.23	<0.1	<0.01	1.4	0.2	<0.05	8	<0.5	<0.2
113157	Soil	23	48	0.83	383	0.072	<1	1.83	0.005	0.24	0.1	0.01	3.1	0.2	<0.05	6	<0.5	0.4
REP 113157	QC	23	47	0.82	381	0.067	<1	1.81	0.004	0.23	0.1	0.02	2.9	0.2	<0.05	6	0.7	0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000247.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 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
113163	Soil	1.0	20.0	18.0	61	0.1	19.0	6.6	220	2.22	10.3	1.4	3.5	12.1	9	0.1	0.5	0.2	36	0.07	0.013
REP 113163	QC	1.1	20.4	18.5	59	0.1	19.5	6.8	213	2.17	9.8	1.4	3.5	11.9	9	<0.1	0.5	0.1	36	0.08	0.012
114056	Soil	1.1	34.5	5.7	65	<0.1	43.6	13.7	261	2.91	2.7	0.5	1.3	2.4	14	0.1	0.2	<0.1	72	0.30	0.071
REP 114056	QC	1.0	34.8	5.8	66	<0.1	43.5	13.0	253	2.88	2.7	0.5	1.2	2.4	15	0.1	0.2	0.1	68	0.30	0.076
114062	Soil	0.6	27.4	19.1	78	<0.1	24.9	9.5	297	2.35	4.4	0.7	<0.5	5.4	21	<0.1	0.2	0.2	50	0.29	0.080
REP 114062	QC	0.8	27.9	19.4	78	<0.1	24.7	10.0	293	2.35	4.0	0.7	3.9	5.5	21	<0.1	0.2	0.1	50	0.30	0.082
114076	Soil	0.7	17.0	10.3	96	<0.1	13.6	8.1	460	3.63	3.8	1.1	1.1	9.9	55	0.1	0.3	<0.1	39	0.47	0.149
REP 114076	QC	0.7	16.3	10.0	96	<0.1	14.1	8.0	455	3.55	3.7	1.0	<0.5	9.6	53	0.1	0.3	<0.1	39	0.47	0.152
Reference Materials																					
STD DS8	Standard	13.7	111.9	118.5	320	1.9	39.4	7.7	623	2.46	25.1	2.5	111.7	6.3	58	2.4	5.2	5.6	44	0.69	0.080
STD DS8	Standard	13.6	117.0	122.8	324	1.8	40.0	8.1	627	2.54	26.5	2.5	105.5	6.5	60	2.3	5.1	5.7	45	0.74	0.082
STD DS8	Standard	13.1	98.5	117.9	308	1.6	35.9	6.9	604	2.44	25.3	2.7	104.8	6.9	75	2.1	5.5	6.1	39	0.67	0.077
STD DS8	Standard	11.9	101.0	121.5	310	1.7	36.4	6.9	598	2.28	25.8	2.8	105.2	7.0	75	2.2	5.9	6.2	39	0.75	0.082
STD DS8	Standard	13.5	109.8	124.0	325	1.9	40.5	7.9	701	2.66	27.8	2.9	113.8	7.1	75	2.2	5.9	6.6	45	0.75	0.084
STD DS8	Standard	13.7	111.3	124.7	332	1.9	40.1	8.0	643	2.56	27.8	3.0	118.3	7.3	75	2.3	5.8	6.4	43	0.73	0.089
STD DS8	Standard	15.0	118.3	132.6	352	2.1	43.2	8.3	683	2.67	28.5	3.0	120.2	7.7	78	2.7	6.3	7.3	46	0.76	0.090
STD DS8	Standard	14.8	121.1	131.3	339	2.1	43.2	8.2	676	2.67	28.8	3.0	117.0	7.5	79	2.5	6.5	7.4	44	0.78	0.093
STD DS8	Standard	13.4	110.7	116.4	314	1.7	37.1	7.4	597	2.39	26.6	2.6	143.2	6.4	68	2.1	5.9	5.9	42	0.67	0.075
STD DS8	Standard	13.0	114.3	115.0	329	1.8	38.6	7.7	637	2.48	27.6	2.7	107.2	6.3	71	2.3	5.9	5.6	44	0.70	0.077
STD DS8	Standard	12.8	112.1	114.0	310	1.8	37.6	7.6	620	2.48	27.4	2.6	116.5	6.1	67	2.4	5.8	5.8	42	0.64	0.081
STD DS8	Standard	13.7	113.4	110.5	325	1.7	38.4	7.6	617	2.48	27.5	2.5	112.9	6.0	69	2.4	5.8	5.7	42	0.68	0.081
STD DS8	Standard	13.8	122.2	127.9	326	1.9	40.9	8.3	634	2.47	25.9	2.9	113.7	7.3	69	2.4	6.0	6.9	44	0.68	0.082
STD DS8	Standard	13.3	113.8	123.9	322	1.8	39.4	8.0	625	2.41	24.2	2.8	108.7	7.0	69	2.3	5.9	6.5	42	0.66	0.080
STD DS8	Standard	12.8	113.7	130.6	320	1.8	37.8	7.8	621	2.49	26.3	2.8	112.3	6.5	63	2.2	6.1	6.6	43	0.64	0.081
STD DS8	Standard	13.6	113.2	128.4	316	1.8	40.4	7.7	614	2.45	26.6	2.7	112.6	6.8	62	2.2	5.9	6.5	43	0.65	0.079
STD DS8	Standard	13.1	109.6	125.2	323	1.8	37.0	7.4	597	2.45	26.4	2.4	125.8	6.7	58	2.3	5.1	5.7	40	0.68	0.084
STD DS8	Standard	12.4	110.4	130.3	325	1.8	37.1	7.6	630	2.52	27.6	2.3	99.6	6.7	58	2.7	5.1	5.9	42	0.72	0.085
STD DS8	Standard	14.3	114.0	135.9	335	1.7	39.5	7.9	640	2.63	28.1	2.9	102.3	7.1	70	3.0	5.8	6.9	43	0.74	0.091
STD DS8	Standard	14.7	118.9	135.1	350	1.9	40.3	8.1	654	2.63	28.5	2.7	118.5	7.1	71	2.3	6.3	7.0	45	0.74	0.087



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Project:

Aussie-Melba

Report Date:

July 02, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11000247.1

		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
113163	Soil	32	31	0.54	153	0.050	<1	1.30	0.004	0.06	0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
REP 113163	QC	32	31	0.55	151	0.049	<1	1.36	0.005	0.06	0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
114056	Soil	8	71	1.07	187	0.101	<1	1.72	0.009	0.08	<0.1	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
REP 114056	QC	8	68	1.10	190	0.100	<1	1.81	0.010	0.08	<0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
114062	Soil	13	42	0.88	140	0.085	<1	1.45	0.005	0.12	0.1	0.01	2.2	0.1	<0.05	5	<0.5	<0.2
REP 114062	QC	13	41	0.86	139	0.080	<1	1.42	0.005	0.12	0.1	0.01	2.2	0.1	<0.05	4	<0.5	<0.2
114076	Soil	18	16	1.72	462	0.196	<1	2.46	0.011	0.69	0.1	<0.01	2.4	0.2	<0.05	9	<0.5	<0.2
REP 114076	QC	18	16	1.70	456	0.196	<1	2.48	0.010	0.71	0.1	<0.01	2.5	0.2	<0.05	9	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	119	0.60	267	0.110	3	0.90	0.096	0.42	3.0	0.19	1.9	5.2	0.20	5	4.8	5.1
STD DS8	Standard	14	123	0.62	284	0.115	2	0.96	0.103	0.43	3.0	0.21	2.1	5.3	0.18	5	5.0	5.0
STD DS8	Standard	16	112	0.59	277	0.120	2	0.95	0.103	0.43	3.0	0.17	2.3	5.2	0.12	5	5.8	5.3
STD DS8	Standard	15	107	0.57	269	0.122	2	0.90	0.107	0.46	3.0	0.19	2.5	5.1	0.07	5	5.0	5.2
STD DS8	Standard	15	132	0.64	274	0.133	3	1.02	0.104	0.45	3.0	0.22	2.0	5.6	0.18	5	5.1	5.1
STD DS8	Standard	15	124	0.64	270	0.123	2	1.02	0.100	0.46	3.0	0.20	2.2	5.4	0.15	5	5.1	4.5
STD DS8	Standard	16	128	0.66	312	0.125	2	1.01	0.112	0.48	3.0	0.24	2.1	5.5	0.10	5	6.3	5.2
STD DS8	Standard	16	131	0.69	314	0.124	3	1.08	0.112	0.49	3.1	0.22	2.3	5.5	0.13	5	5.7	5.0
STD DS8	Standard	15	114	0.58	278	0.121	3	0.84	0.085	0.42	2.9	0.20	1.9	5.2	0.17	5	4.9	5.0
STD DS8	Standard	16	120	0.59	295	0.126	3	0.88	0.101	0.43	2.9	0.19	2.1	4.9	0.21	5	5.3	5.3
STD DS8	Standard	14	117	0.59	280	0.116	2	0.84	0.086	0.41	2.6	0.19	1.8	5.0	0.12	5	4.9	5.3
STD DS8	Standard	15	117	0.58	284	0.116	<1	0.88	0.090	0.40	2.9	0.18	1.8	5.2	0.11	5	5.5	4.9
STD DS8	Standard	14	125	0.62	279	0.129	1	0.92	0.087	0.42	3.0	0.22	2.0	5.5	0.17	5	5.3	5.2
STD DS8	Standard	15	121	0.61	279	0.128	2	0.88	0.083	0.41	2.9	0.20	2.0	5.3	0.16	5	4.9	4.9
STD DS8	Standard	12	121	0.61	268	0.116	3	0.88	0.084	0.41	2.9	0.20	1.7	5.3	0.22	4	5.1	5.1
STD DS8	Standard	13	118	0.59	271	0.120	3	0.85	0.083	0.41	3.2	0.21	1.8	5.3	0.19	4	4.7	4.8
STD DS8	Standard	13	112	0.61	275	0.103	2	0.92	0.093	0.42	3.1	0.23	1.7	5.2	0.15	5	5.6	4.3
STD DS8	Standard	14	117	0.63	283	0.109	3	0.92	0.097	0.45	3.1	0.23	1.9	5.4	0.16	5	5.3	4.8
STD DS8	Standard	15	124	0.65	296	0.116	3	0.96	0.095	0.44	3.3	0.23	2.2	5.7	0.17	5	5.8	6.0
STD DS8	Standard	15	126	0.65	302	0.122	4	0.96	0.089	0.45	3.1	0.23	2.4	5.5	0.17	5	6.7	5.5



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Project:

Aussie-Melba

Report Date:

July 02, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000247.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	14.8	121.0	134.6	333	1.8	40.0	8.1	653	2.58	27.4	2.8	113.6	7.2	64	2.5	5.4	6.6	48	0.73	0.087
STD DS8	Standard	14.3	117.8	132.7	332	1.8	40.4	8.2	644	2.53	28.3	2.8	126.7	7.4	65	2.3	5.7	6.6	47	0.73	0.086
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project:

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Part 2

QUALITY CONTROL REPORT

WHI11000247.1

		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	15	129	0.59	292	0.130	3	0.96	0.091	0.43	3.0	0.19	2.0	5.5	0.14	5	5.3	4.9
STD DS8	Standard	16	128	0.57	297	0.132	3	0.98	0.093	0.43	3.0	0.20	1.9	5.1	0.14	5	5.2	4.8
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<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 17, 2011
Report Date: June 29, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000248.1

CLIENT JOB INFORMATION

Project: Aussie-Melba
Shipment ID: 20110614090537
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:

Aussie-Melba

Report Date:

June 29, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000248.1

	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
114080	Soil	1.5	33.2	12.4	84	0.1	35.2	12.0	390	3.02	7.6	1.0	7.0	7.6	17	0.2	0.5	0.2	51	0.27	0.072
114081	Soil	0.9	22.5	9.9	52	0.1	22.2	9.2	407	2.17	8.3	1.0	5.5	4.3	23	<0.1	0.5	0.2	44	0.32	0.042
114082	Soil	2.1	59.7	15.2	82	<0.1	47.8	13.4	502	3.43	9.1	0.9	3.2	10.6	13	0.2	0.6	0.2	55	0.23	0.052
114083	Soil	2.2	45.4	8.8	87	<0.1	44.2	14.2	378	3.54	5.1	1.1	2.4	5.0	18	0.2	0.4	0.2	72	0.24	0.035
114084	Soil	0.5	16.8	13.3	41	<0.1	12.6	3.5	122	1.43	2.2	1.4	3.7	20.0	5	<0.1	0.3	0.2	21	0.05	0.011
114085	Soil	0.4	59.0	4.3	71	<0.1	67.9	24.9	766	4.20	2.6	0.4	1.9	1.4	22	<0.1	0.4	<0.1	113	0.39	0.071
114086	Soil	0.7	31.1	9.8	72	<0.1	25.0	9.4	199	2.69	3.1	1.3	0.6	8.2	10	0.1	0.4	0.1	47	0.09	0.014
114087	Soil	0.8	55.6	10.5	88	<0.1	67.5	22.5	519	4.53	5.0	1.3	2.1	5.0	24	0.2	0.5	0.2	119	0.33	0.026
114088	Soil	1.6	57.9	10.2	163	0.2	44.1	11.9	424	3.91	4.3	1.6	2.2	3.6	22	0.5	0.4	0.3	98	0.27	0.048
114089	Soil	5.0	143.7	8.3	127	<0.1	88.9	24.6	784	4.91	1.3	1.7	2.0	10.0	16	0.5	0.2	0.2	116	0.34	0.127
114090	Soil	3.3	95.3	7.4	100	<0.1	62.5	18.1	602	3.66	1.7	1.6	1.5	12.6	14	0.5	0.1	0.2	85	0.31	0.115
114091	Soil	1.7	76.7	8.5	170	<0.1	66.3	17.4	569	4.77	4.3	0.9	2.5	6.1	20	0.4	0.3	0.5	135	0.43	0.094
114092	Soil	1.8	64.3	15.5	115	0.3	74.5	15.1	715	3.93	5.5	2.0	2.1	10.2	16	0.2	0.4	1.5	70	0.29	0.041
115050	Soil	0.5	15.0	10.3	61	0.1	5.9	3.0	231	1.65	3.0	0.5	2.6	2.4	8	0.1	0.2	0.2	18	0.07	0.020
115051	Soil	0.5	6.3	9.8	84	<0.1	6.2	3.7	268	2.05	2.6	0.8	2.0	3.1	6	<0.1	0.2	0.2	19	0.05	0.029
115052	Soil	0.3	19.7	10.2	58	<0.1	16.2	11.5	374	1.88	2.3	0.4	1.3	2.7	8	<0.1	0.4	0.1	20	0.04	0.004
115053	Soil	0.3	18.7	5.6	78	<0.1	22.2	8.4	452	2.34	2.0	0.7	<0.5	2.7	17	<0.1	0.2	<0.1	26	0.14	0.037
115054	Soil	0.6	31.0	11.6	87	0.1	19.6	6.6	604	2.80	3.7	1.0	<0.5	7.3	5	<0.1	0.2	0.2	27	0.07	0.018
115055	Soil	0.3	8.6	5.4	40	<0.1	5.7	2.8	185	1.15	4.2	0.6	<0.5	2.0	14	<0.1	0.3	<0.1	15	0.10	0.012
115056	Soil	0.3	12.7	6.0	61	<0.1	7.5	2.9	176	1.22	3.2	0.7	<0.5	2.0	9	<0.1	0.2	<0.1	14	0.08	0.010
115057	Soil	0.2	2.7	4.1	13	<0.1	2.9	1.5	229	0.51	2.0	1.2	<0.5	6.1	8	<0.1	<0.1	<0.1	7	0.10	0.077
115058	Soil	0.4	8.7	6.3	32	<0.1	7.7	3.1	271	1.19	4.3	0.7	<0.5	3.0	6	<0.1	0.2	0.1	14	0.06	0.023
115059	Soil	0.5	11.2	13.7	60	<0.1	7.2	3.3	132	1.99	3.1	1.2	0.5	6.9	6	<0.1	0.4	0.1	20	0.04	0.010
115060	Soil	0.6	15.9	13.5	109	0.1	21.2	8.3	746	3.26	3.4	0.6	0.8	6.9	5	0.1	0.3	0.2	27	0.05	0.020
115061	Soil	0.9	37.2	7.4	84	0.3	22.3	7.9	366	3.06	3.4	1.0	<0.5	3.7	9	0.1	0.2	<0.1	36	0.12	0.025
115062	Soil	0.3	6.7	3.9	27	<0.1	4.6	3.1	133	1.18	3.2	0.6	<0.5	2.2	6	<0.1	0.2	<0.1	12	0.07	0.019
115063	Soil	0.4	31.6	6.4	92	0.1	28.1	9.6	576	3.02	2.5	1.0	2.1	5.5	6	<0.1	0.3	0.1	32	0.08	0.011
115064	Soil	0.3	23.5	4.3	87	0.2	25.1	9.1	387	2.65	2.7	0.6	1.1	1.8	15	<0.1	0.3	<0.1	32	0.12	0.014
115065	Soil	0.3	7.9	3.9	29	<0.1	6.1	2.8	121	1.21	2.4	0.5	1.1	1.7	13	<0.1	0.1	<0.1	15	0.11	0.020
115066	Soil	0.8	68.6	4.7	90	<0.1	19.1	9.2	423	3.02	3.4	0.6	<0.5	2.1	17	<0.1	0.2	<0.1	30	0.13	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	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
114080	Soil	24	49	0.97	214	0.061	2	1.78	0.007	0.05	0.1	0.01	4.0	<0.1	<0.05	6	1.0	<0.2
114081	Soil	15	31	0.49	401	0.049	2	1.29	0.009	0.05	0.2	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
114082	Soil	25	52	1.23	312	0.068	2	2.09	0.004	0.07	0.1	0.03	6.4	0.1	<0.05	6	1.0	<0.2
114083	Soil	17	63	1.38	296	0.110	2	2.33	0.006	0.11	0.1	<0.01	4.9	0.2	<0.05	7	0.8	<0.2
114084	Soil	49	16	0.51	94	0.033	1	1.16	<0.001	0.04	<0.1	<0.01	2.9	0.2	<0.05	4	<0.5	<0.2
114085	Soil	3	126	2.76	540	0.176	2	3.22	0.005	0.50	<0.1	0.01	7.2	0.2	<0.05	8	<0.5	<0.2
114086	Soil	26	45	1.10	200	0.096	2	1.94	0.004	0.11	<0.1	<0.01	3.2	0.1	<0.05	6	<0.5	<0.2
114087	Soil	16	162	2.37	441	0.178	2	3.44	0.006	0.18	<0.1	<0.01	12.0	0.3	<0.05	9	<0.5	<0.2
114088	Soil	16	50	1.23	237	0.095	<1	2.27	0.005	0.04	<0.1	<0.01	4.5	0.2	<0.05	7	1.0	<0.2
114089	Soil	15	117	2.57	210	0.149	2	2.81	0.004	0.54	<0.1	0.03	11.0	0.7	<0.05	8	2.0	<0.2
114090	Soil	16	73	2.04	165	0.109	1	2.17	0.003	0.39	<0.1	0.02	7.6	0.5	<0.05	6	1.5	<0.2
114091	Soil	20	115	2.44	314	0.099	2	3.14	0.004	0.29	<0.1	<0.01	11.7	0.4	<0.05	11	1.2	<0.2
114092	Soil	39	82	2.00	303	0.101	<1	2.58	0.003	0.17	<0.1	0.03	8.0	0.6	<0.05	8	1.2	<0.2
115050	Soil	3	8	0.68	184	0.017	2	1.48	0.004	0.05	<0.1	0.01	3.3	0.3	<0.05	4	<0.5	<0.2
115051	Soil	7	9	0.99	226	0.012	1	1.61	0.002	0.04	<0.1	<0.01	3.4	0.2	<0.05	5	<0.5	<0.2
115052	Soil	3	22	1.93	62	0.049	2	2.04	0.001	0.02	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
115053	Soil	8	62	2.02	85	0.114	<1	2.07	0.001	0.02	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
115054	Soil	6	34	1.87	188	0.055	2	2.35	0.003	0.04	<0.1	<0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
115055	Soil	4	8	0.35	147	0.061	1	0.90	0.002	0.06	<0.1	<0.01	1.6	0.1	<0.05	2	<0.5	<0.2
115056	Soil	4	10	0.72	91	0.075	2	1.15	0.002	0.04	<0.1	<0.01	1.5	0.1	<0.05	3	<0.5	<0.2
115057	Soil	20	4	0.14	157	0.033	<1	0.43	0.002	0.10	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
115058	Soil	8	8	0.20	220	0.012	1	0.86	0.002	0.09	<0.1	<0.01	2.3	<0.1	<0.05	2	<0.5	<0.2
115059	Soil	16	11	0.39	182	0.009	1	1.22	0.003	0.05	<0.1	<0.01	4.9	<0.1	<0.05	4	<0.5	<0.2
115060	Soil	14	29	1.81	178	0.014	<1	2.47	0.002	0.04	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
115061	Soil	6	27	1.49	139	0.112	2	2.13	0.002	0.04	<0.1	<0.01	4.3	<0.1	<0.05	6	0.5	<0.2
115062	Soil	3	5	0.24	95	0.035	1	0.63	0.002	0.11	<0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
115063	Soil	14	38	1.59	142	0.114	1	2.02	0.002	0.06	<0.1	0.02	3.3	<0.1	<0.05	6	0.8	<0.2
115064	Soil	4	36	1.74	126	0.160	<1	2.15	0.002	0.07	<0.1	<0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
115065	Soil	3	8	0.40	116	0.077	<1	0.82	0.002	0.16	<0.1	<0.01	1.6	0.2	<0.05	2	<0.5	<0.2
115066	Soil	5	25	1.76	177	0.147	<1	2.21	0.002	0.18	<0.1	<0.01	2.5	0.2	<0.05	6	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
115067	Soil	3.3	54.1	13.6	109	0.1	51.5	12.2	492	3.54	4.9	1.5	1.3	9.4	5	0.2	0.4	0.2	36	0.06	0.014
115068	Soil	1.3	25.6	5.9	85	<0.1	33.7	13.5	497	3.53	3.3	0.7	<0.5	1.7	20	<0.1	0.2	<0.1	49	0.25	0.039
115069	Soil	4.8	76.4	25.1	139	0.2	77.1	23.6	1175	4.38	13.3	1.5	6.0	10.8	22	0.4	0.5	0.4	50	0.39	0.060
115070	Soil	0.5	72.9	10.2	47	<0.1	19.0	13.7	771	3.51	6.7	0.5	<0.5	5.4	8	<0.1	0.2	0.3	77	0.11	0.012
115071	Soil	0.3	25.2	18.0	76	<0.1	9.5	5.8	306	3.09	3.6	1.1	1.5	12.8	6	<0.1	0.2	0.5	24	0.09	0.011
115072	Soil	0.4	80.0	6.4	50	<0.1	22.8	21.0	545	3.93	11.7	0.5	1.1	2.4	20	<0.1	0.3	<0.1	77	0.16	0.010
115073	Soil	0.9	38.2	14.3	52	<0.1	12.9	11.7	720	3.61	9.3	0.3	<0.5	2.3	15	0.1	0.2	0.2	68	0.18	0.021
115074	Soil	0.4	63.2	7.0	51	<0.1	99.3	22.0	497	3.78	4.8	0.5	1.5	4.6	9	<0.1	0.2	0.1	64	0.19	0.027
115075	Soil	0.7	41.9	12.3	47	<0.1	24.1	11.5	365	2.89	13.6	1.0	8.2	5.5	16	<0.1	0.8	0.2	48	0.25	0.012
115076	Soil	0.5	35.1	5.3	63	<0.1	26.0	20.7	624	4.68	6.3	0.5	2.2	2.4	17	<0.1	0.4	<0.1	80	0.27	0.011
115077	Soil	0.5	57.0	7.6	74	<0.1	18.8	17.4	418	4.54	9.4	0.7	1.3	4.8	10	<0.1	0.4	0.2	73	0.11	0.021
115078	Soil	0.3	37.4	7.2	41	<0.1	11.3	8.0	336	2.35	2.2	0.9	0.5	5.4	8	<0.1	0.2	<0.1	22	0.10	0.010
115079	Soil	0.3	30.7	10.5	65	<0.1	10.1	9.3	374	2.85	1.8	1.2	<0.5	9.0	17	<0.1	0.2	0.1	17	0.18	0.021
115080	Soil	0.3	8.6	7.5	26	<0.1	6.7	2.5	111	1.18	3.7	1.1	<0.5	5.4	9	<0.1	0.2	0.1	7	0.07	0.009
115081	Soil	0.3	9.2	10.2	21	<0.1	7.1	2.0	106	1.12	2.3	0.8	0.7	8.2	8	<0.1	0.2	0.2	9	0.08	0.006
115082	Soil	0.3	8.4	9.1	23	<0.1	5.1	1.4	138	0.89	2.6	0.7	2.2	9.5	14	<0.1	0.1	0.1	6	0.12	0.013
115083	Soil	1.7	84.5	10.7	74	0.2	88.4	14.8	321	4.53	9.3	1.1	<0.5	5.2	15	<0.1	0.4	0.3	87	0.19	0.041
115084	Soil	0.3	58.8	3.3	63	<0.1	39.9	20.3	282	3.11	1.1	0.2	<0.5	1.3	14	<0.1	<0.1	<0.1	86	0.31	0.070
115085	Soil	0.9	62.9	9.3	89	0.2	45.1	15.2	320	3.54	3.5	0.5	0.5	3.6	10	<0.1	0.2	<0.1	88	0.19	0.059
115086	Soil	0.3	46.7	2.2	123	<0.1	33.0	18.7	566	5.00	2.5	0.3	<0.5	2.8	22	<0.1	0.1	0.1	158	0.57	0.176
115087	Soil	2.8	69.8	33.9	120	0.5	11.6	4.4	208	2.74	6.4	5.6	3.3	32.1	12	<0.1	0.3	0.3	16	0.03	0.047
115088	Soil	2.1	51.2	68.4	250	0.1	12.1	14.0	1674	3.49	2.2	2.8	1.3	28.2	15	0.3	0.3	0.2	51	0.18	0.096
115089	Soil	0.8	53.4	4.2	58	<0.1	14.1	10.9	396	2.94	2.0	0.5	<0.5	1.5	18	<0.1	0.1	<0.1	77	0.27	0.096
115090	Soil	0.5	39.9	10.2	156	0.2	44.8	9.1	674	5.13	8.1	2.0	0.7	13.2	28	0.3	0.4	0.1	84	0.27	0.035
115091	Soil	0.3	30.7	1.0	18	<0.1	13.5	5.1	109	0.90	<0.5	<0.1	<0.5	<0.1	11	<0.1	<0.1	<0.1	24	0.23	0.036
115092	Soil	1.6	72.3	11.0	83	0.3	48.9	15.2	452	3.13	11.7	3.0	6.2	7.2	13	0.1	0.9	0.2	62	0.11	0.025
115093	Soil	1.4	78.7	7.4	73	0.3	54.8	16.5	471	3.58	12.5	1.9	3.3	4.5	22	<0.1	0.6	0.2	65	0.09	0.043
115094	Soil	0.6	95.6	4.3	58	0.2	120.8	20.5	528	3.34	4.4	0.9	7.1	1.8	84	<0.1	0.3	0.1	59	0.39	0.040
115095	Soil	1.1	32.5	8.0	57	0.2	25.9	10.5	762	3.60	8.2	0.7	5.8	2.8	7	0.2	0.4	0.3	53	0.07	0.140
115096	Soil	0.8	69.6	5.5	47	0.3	96.6	12.7	348	3.02	7.1	1.2	<0.5	4.9	19	<0.1	0.3	0.2	71	0.26	0.040



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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
115067	Soil	15	55	1.44	168	0.108	<1	2.08	0.002	0.04	<0.1	<0.01	4.6	0.1	<0.05	6	1.3	<0.2
115068	Soil	5	58	1.73	233	0.090	1	2.29	0.003	0.07	<0.1	<0.01	3.3	0.1	<0.05	5	0.6	<0.2
115069	Soil	28	51	0.70	476	0.006	1	1.51	0.006	0.08	<0.1	0.02	7.4	0.1	<0.05	4	1.0	<0.2
115070	Soil	8	30	1.48	181	0.051	1	2.13	0.002	0.07	0.1	0.01	5.4	<0.1	<0.05	7	<0.5	<0.2
115071	Soil	26	12	1.40	94	0.008	1	2.02	0.007	0.04	<0.1	0.01	5.6	<0.1	<0.05	7	<0.5	<0.2
115072	Soil	9	28	1.74	175	0.131	<1	2.44	0.003	0.20	<0.1	<0.01	4.3	0.2	<0.05	6	<0.5	<0.2
115073	Soil	6	18	1.06	261	0.030	<1	2.41	0.004	0.05	<0.1	<0.01	3.6	<0.1	<0.05	7	<0.5	<0.2
115074	Soil	7	150	1.26	97	0.032	1	2.15	0.002	0.02	<0.1	<0.01	5.4	<0.1	<0.05	6	<0.5	<0.2
115075	Soil	16	28	0.56	258	0.052	2	1.41	0.008	0.05	0.2	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
115076	Soil	8	25	2.01	190	0.159	<1	2.85	0.005	0.21	<0.1	<0.01	3.8	0.2	<0.05	6	<0.5	<0.2
115077	Soil	8	21	1.20	191	0.085	1	2.41	0.004	0.15	<0.1	<0.01	4.7	<0.1	<0.05	7	<0.5	<0.2
115078	Soil	10	10	1.13	57	0.089	<1	1.55	0.001	0.04	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
115079	Soil	24	7	1.10	79	0.062	<1	1.87	0.002	0.02	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
115080	Soil	14	5	0.14	143	0.027	<1	0.63	0.002	0.14	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
115081	Soil	16	6	0.17	143	0.036	<1	0.60	0.003	0.18	<0.1	<0.01	1.6	0.1	<0.05	2	<0.5	<0.2
115082	Soil	25	3	0.21	94	0.023	<1	0.52	0.002	0.11	<0.1	<0.01	1.6	<0.1	<0.05	2	<0.5	<0.2
115083	Soil	10	76	1.33	232	0.104	<1	2.32	0.005	0.22	<0.1	<0.01	4.1	0.3	<0.05	6	0.5	<0.2
115084	Soil	3	57	1.56	359	0.193	<1	2.04	0.012	0.74	<0.1	<0.01	3.1	0.3	<0.05	6	<0.5	<0.2
115085	Soil	6	85	1.67	216	0.159	<1	2.59	0.008	0.61	<0.1	<0.01	5.2	0.4	<0.05	7	<0.5	<0.2
115086	Soil	5	63	2.78	440	0.184	<1	3.70	0.010	0.90	<0.1	<0.01	5.9	1.1	<0.05	9	<0.5	<0.2
115087	Soil	48	8	0.43	78	0.007	<1	1.17	0.003	0.05	<0.1	0.01	1.5	0.1	<0.05	3	1.6	0.4
115088	Soil	38	9	1.63	272	0.142	<1	2.81	0.006	0.73	<0.1	<0.01	4.9	0.6	<0.05	8	<0.5	<0.2
115089	Soil	4	16	1.67	647	0.128	<1	2.07	0.005	0.48	<0.1	<0.01	1.9	0.2	<0.05	6	<0.5	<0.2
115090	Soil	34	106	1.71	468	0.031	<1	3.09	0.007	0.05	<0.1	<0.01	7.8	0.1	<0.05	20	0.8	<0.2
115091	Soil	<1	24	0.27	90	0.074	<1	0.51	0.009	0.02	<0.1	<0.01	2.0	<0.1	<0.05	1	<0.5	<0.2
115092	Soil	24	42	0.57	386	0.074	1	1.83	0.006	0.06	0.2	0.07	7.1	0.1	<0.05	5	0.5	<0.2
115093	Soil	11	56	0.74	357	0.141	<1	2.07	0.005	0.37	<0.1	0.02	3.9	0.3	<0.05	6	<0.5	<0.2
115094	Soil	7	130	1.15	408	0.092	<1	1.95	0.011	0.06	<0.1	0.02	7.4	0.1	<0.05	6	<0.5	<0.2
115095	Soil	9	26	0.42	214	0.047	<1	1.58	0.004	0.18	0.1	<0.01	2.7	0.1	<0.05	6	<0.5	<0.2
115096	Soil	11	92	1.21	318	0.085	<1	1.85	0.003	0.12	<0.1	0.01	5.9	0.4	<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
115097	Soil	0.5	69.8	6.3	106	0.5	47.3	12.0	273	3.92	7.5	0.8	2.5	2.6	48	0.2	0.3	0.4	107	0.38	0.044
115098	Soil	1.4	26.7	10.7	68	0.3	25.1	8.1	268	2.66	13.5	0.7	1.4	4.3	14	0.1	0.8	0.2	51	0.13	0.055
115099	Soil	0.7	49.1	5.2	56	<0.1	59.6	16.0	256	2.80	7.8	0.3	1.4	3.1	27	<0.1	0.4	<0.1	67	0.31	0.071
115100	Soil	0.7	28.1	6.8	57	<0.1	77.1	19.0	244	3.38	7.9	0.3	3.0	2.8	19	<0.1	0.4	<0.1	105	0.25	0.057
115101	Soil	0.6	21.6	6.1	79	0.2	60.4	22.3	607	4.09	4.3	0.4	1.0	2.3	21	<0.1	0.3	<0.1	94	0.38	0.135
115102	Soil	0.9	34.5	12.4	63	0.4	15.0	8.1	268	2.42	4.9	0.9	0.7	4.4	31	0.2	0.2	0.1	46	0.20	0.034
115103	Soil	0.8	41.2	6.5	57	0.2	22.5	11.9	229	2.63	7.8	0.7	0.7	3.6	23	<0.1	0.6	<0.1	62	0.20	0.023
115104	Soil	0.5	88.7	16.0	89	0.2	32.9	21.2	443	3.82	3.3	0.6	<0.5	2.4	26	<0.1	0.2	<0.1	90	0.26	0.026
115105	Soil	0.6	112.6	10.4	101	<0.1	35.6	20.3	593	4.29	2.8	1.6	<0.5	13.1	38	<0.1	0.1	<0.1	127	0.57	0.087
115106	Soil	0.6	28.6	7.4	65	<0.1	13.4	9.3	295	2.38	4.6	0.7	0.7	5.2	30	<0.1	0.4	0.1	40	0.38	0.055
115107	Soil	1.0	41.8	11.6	71	0.1	31.1	10.7	466	2.74	11.9	0.6	4.1	5.7	36	0.1	0.9	0.2	50	0.54	0.047
115108	Soil	0.5	17.8	13.5	36	<0.1	5.0	5.1	383	1.45	1.6	3.0	<0.5	16.3	65	<0.1	0.1	<0.1	19	0.30	0.128
115109	Soil	0.4	92.1	45.4	65	0.2	22.1	17.4	392	2.87	1.4	1.2	1.0	3.3	41	<0.1	0.2	0.3	92	0.50	0.096
115110	Soil	0.9	15.4	15.3	56	0.1	17.8	9.7	265	2.74	11.3	1.1	2.6	7.5	12	0.1	0.6	0.2	51	0.09	0.023
115111	Soil	0.4	10.6	39.1	61	<0.1	11.5	7.3	277	1.98	2.7	1.7	0.8	14.1	18	0.2	0.1	0.2	13	0.11	0.025
115112	Soil	1.1	7.9	18.3	37	<0.1	9.6	3.7	114	1.56	4.6	1.1	<0.5	9.0	10	<0.1	0.2	0.2	20	0.08	0.019
115113	Soil	0.7	101.4	19.3	80	0.1	24.0	23.7	700	5.45	6.7	0.6	2.9	3.5	8	0.2	0.4	0.2	144	0.11	0.034
115114	Soil	1.4	48.9	6.7	102	<0.1	56.5	11.1	505	4.22	2.9	1.0	0.6	1.9	19	0.2	0.1	<0.1	68	0.24	0.055
115115	Soil	1.6	48.1	7.4	100	<0.1	56.3	11.3	514	4.06	2.5	1.0	0.6	1.8	18	<0.1	0.1	<0.1	66	0.25	0.062
115116	Soil	0.7	19.7	7.4	76	<0.1	12.5	9.2	339	3.21	5.5	0.6	0.6	3.2	15	0.1	0.4	0.1	49	0.12	0.026
115117	Soil	0.2	44.0	1.6	56	<0.1	71.9	16.3	506	3.12	2.7	0.2	0.6	1.1	7	<0.1	<0.1	<0.1	70	0.15	0.023
115118	Soil	4.4	31.9	12.9	89	0.4	31.2	8.4	320	3.40	7.0	1.0	2.1	2.7	14	0.3	0.4	0.2	79	0.12	0.044
115119	Soil	0.9	6.6	11.3	31	<0.1	3.6	1.7	232	1.57	4.3	0.9	0.7	5.5	9	0.1	0.1	0.2	14	0.05	0.035
115120	Soil	0.2	51.5	4.7	49	<0.1	80.3	18.8	498	3.42	3.2	0.5	0.7	3.3	22	<0.1	0.2	<0.1	56	0.25	0.048
115121	Soil	0.2	56.4	3.5	42	<0.1	77.7	21.7	496	3.04	2.5	0.3	1.1	1.2	16	<0.1	0.1	<0.1	41	0.31	0.038
115122	Soil	0.7	7.9	7.5	89	<0.1	10.4	3.5	393	2.45	5.2	0.7	<0.5	3.7	19	<0.1	0.3	0.1	34	0.14	0.027
115123	Soil	0.2	6.4	1.8	100	<0.1	3.0	8.4	521	3.39	2.4	0.3	<0.5	1.0	18	<0.1	<0.1	<0.1	23	0.28	0.117
115124	Soil	0.3	21.2	3.3	97	<0.1	23.9	14.5	690	5.45	2.6	0.2	<0.5	0.8	36	<0.1	0.2	<0.1	62	0.45	0.139
115125	Soil	0.4	26.3	6.4	113	<0.1	22.1	10.7	611	4.27	3.5	0.6	<0.5	1.4	39	0.1	0.2	<0.1	78	0.20	0.073
115126	Soil	0.6	8.4	29.1	68	<0.1	6.5	5.0	211	3.16	3.2	1.1	<0.5	14.5	8	<0.1	0.2	0.4	15	0.06	0.037



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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
115097	Soil	10	103	1.32	326	0.049	<1	2.45	0.006	0.08	<0.1	<0.01	10.0	0.1	<0.05	8	0.6	<0.2
115098	Soil	10	36	0.47	292	0.039	<1	1.44	0.006	0.05	0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
115099	Soil	9	83	1.23	120	0.082	<1	1.79	0.008	0.12	<0.1	<0.01	3.6	0.1	<0.05	5	<0.5	<0.2
115100	Soil	7	137	1.52	177	0.114	<1	2.32	0.007	0.39	0.1	<0.01	6.9	0.4	<0.05	6	<0.5	<0.2
115101	Soil	7	80	1.54	271	0.045	<1	2.34	0.005	0.14	0.1	<0.01	5.6	<0.1	<0.05	8	<0.5	<0.2
115102	Soil	7	13	0.73	449	0.090	<1	1.32	0.004	0.32	<0.1	<0.01	2.1	0.2	<0.05	4	<0.5	<0.2
115103	Soil	7	25	1.11	431	0.103	<1	1.61	0.008	0.29	0.2	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
115104	Soil	5	50	2.05	540	0.151	<1	2.57	0.009	0.60	0.1	<0.01	2.7	0.2	<0.05	9	<0.5	<0.2
115105	Soil	15	71	2.08	800	0.211	<1	2.84	0.009	0.93	<0.1	<0.01	5.2	0.3	<0.05	10	<0.5	<0.2
115106	Soil	10	17	1.12	347	0.083	<1	1.64	0.007	0.29	0.1	<0.01	2.4	0.2	<0.05	5	<0.5	<0.2
115107	Soil	15	28	0.74	509	0.071	2	1.69	0.013	0.11	0.2	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
115108	Soil	30	6	0.36	177	0.078	1	0.87	0.002	0.35	<0.1	<0.01	1.2	0.2	<0.05	3	<0.5	<0.2
115109	Soil	5	38	1.57	1238	0.137	<1	2.07	0.016	0.68	<0.1	<0.01	3.2	<0.1	<0.05	7	<0.5	<0.2
115110	Soil	17	30	0.45	230	0.060	2	1.95	0.008	0.05	0.2	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
115111	Soil	29	21	1.07	182	0.120	<1	1.44	0.003	0.43	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2
115112	Soil	15	15	0.47	106	0.054	<1	0.92	0.003	0.08	0.1	<0.01	0.9	0.1	<0.05	3	<0.5	<0.2
115113	Soil	11	45	2.79	259	0.141	<1	3.49	0.004	0.32	<0.1	0.01	11.7	0.2	<0.05	10	<0.5	<0.2
115114	Soil	5	78	1.68	139	0.156	<1	2.27	0.002	0.06	<0.1	<0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
115115	Soil	4	76	1.62	136	0.146	<1	2.24	0.003	0.07	<0.1	<0.01	2.8	<0.1	<0.05	7	0.6	<0.2
115116	Soil	7	19	1.00	130	0.127	<1	1.95	0.004	0.21	0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
115117	Soil	2	153	2.18	99	0.168	<1	2.26	0.002	0.18	<0.1	<0.01	3.0	<0.1	<0.05	7	<0.5	<0.2
115118	Soil	12	43	0.88	194	0.071	<1	2.24	0.006	0.05	<0.1	0.02	3.3	0.1	<0.05	7	0.9	<0.2
115119	Soil	15	9	0.20	83	0.009	<1	0.96	0.004	0.13	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
115120	Soil	10	164	2.49	106	0.100	<1	2.87	0.003	0.03	<0.1	<0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
115121	Soil	3	129	2.04	68	0.104	<1	2.41	0.002	0.02	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
115122	Soil	9	20	0.72	137	0.069	<1	1.83	0.004	0.08	<0.1	0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
115123	Soil	2	4	1.17	55	0.031	<1	1.93	<0.001	0.06	<0.1	<0.01	1.8	<0.1	<0.05	7	<0.5	<0.2
115124	Soil	2	11	2.53	101	0.145	<1	3.48	0.002	0.17	<0.1	<0.01	2.8	<0.1	<0.05	10	<0.5	<0.2
115125	Soil	4	54	1.78	330	0.145	<1	2.64	0.004	0.21	<0.1	<0.01	3.7	0.2	<0.05	10	<0.5	<0.2
115126	Soil	45	8	0.85	196	0.121	<1	1.78	0.003	0.80	<0.1	<0.01	1.4	0.6	<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			
					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
115127	Soil				0.3	10.5	14.7	77	<0.1	9.5	6.5	251	2.87	4.6	1.2	1.5	7.9	24	<0.1	0.3	0.2	17	0.15	0.030
115128	Soil				0.4	6.7	8.9	18	<0.1	3.3	1.4	65	1.15	3.4	2.4	0.7	26.7	11	<0.1	0.1	0.1	10	0.07	0.011
115129	Soil				0.3	50.7	4.4	71	<0.1	45.9	22.2	463	4.11	1.2	0.4	<0.5	2.1	35	<0.1	<0.1	<0.1	77	0.33	0.028
115130	Soil				0.2	42.0	3.4	42	<0.1	66.3	16.6	277	2.34	2.6	0.3	0.5	1.3	21	<0.1	0.2	<0.1	41	0.38	0.039
115131	Soil				<0.1	57.3	1.7	36	<0.1	163.2	22.4	696	2.27	0.7	<0.1	5.0	0.5	8	<0.1	<0.1	<0.1	41	0.28	0.053
115132	Soil				0.2	80.7	4.4	67	<0.1	194.3	44.1	786	5.24	2.5	0.3	1.1	1.3	22	<0.1	0.2	<0.1	125	0.36	0.009
115133	Soil				1.9	49.2	6.0	131	<0.1	66.6	19.6	734	5.02	4.6	1.3	0.6	4.2	17	0.2	0.3	<0.1	102	0.23	0.034
115134	Soil				2.8	80.0	16.6	156	<0.1	57.5	13.2	719	3.95	3.5	2.8	4.2	9.2	19	0.4	0.3	0.2	66	0.24	0.052
115135	Soil				0.7	38.7	14.8	68	0.2	23.9	8.3	290	2.76	7.6	1.8	1.8	11.2	15	<0.1	0.6	0.2	46	0.10	0.015
115136	Soil				0.7	43.8	9.7	73	<0.1	39.3	17.2	445	4.21	4.7	1.4	<0.5	7.7	35	0.2	0.4	0.1	64	0.34	0.032
115137	Soil				0.2	65.0	5.4	42	<0.1	55.2	17.5	369	2.06	1.4	0.4	<0.5	2.3	32	<0.1	0.1	<0.1	38	0.36	0.034
115138	Soil				0.3	32.4	5.4	67	<0.1	77.1	19.7	303	2.81	2.1	0.8	0.6	8.5	35	<0.1	0.2	<0.1	60	0.28	0.026
115139	Soil				0.3	45.4	6.1	60	<0.1	58.4	16.6	242	2.22	2.9	1.4	<0.5	11.0	40	<0.1	0.3	0.2	31	0.45	0.064
115140	Soil				0.3	11.2	3.4	14	<0.1	5.7	4.0	197	0.74	3.3	1.3	<0.5	12.0	12	<0.1	<0.1	<0.1	10	0.12	0.088
115141	Soil				0.3	76.1	3.4	94	<0.1	89.7	30.8	364	3.55	3.8	0.2	<0.5	1.3	39	<0.1	0.2	<0.1	84	0.72	0.187
115142	Soil				0.2	129.7	2.8	68	<0.1	55.9	27.5	485	2.96	3.7	0.2	4.5	1.5	29	<0.1	0.2	<0.1	84	0.49	0.099
115143	Soil				0.9	28.7	6.6	21	<0.1	13.8	3.8	136	1.39	5.3	0.2	<0.5	0.4	6	0.1	0.2	0.1	40	0.15	0.060
115144	Soil				1.1	32.6	9.8	53	<0.1	19.2	8.6	211	2.70	10.4	0.4	0.9	2.6	8	0.2	0.6	0.2	63	0.10	0.035
115145	Soil				2.2	32.4	14.4	85	0.4	23.1	10.5	393	3.26	14.5	1.2	3.7	4.6	11	0.2	0.9	0.3	77	0.10	0.065
115146	Soil				5.0	130.5	22.8	303	0.5	82.5	10.9	248	3.35	8.8	6.5	<0.5	4.2	22	1.1	0.6	0.6	117	0.10	0.138
115147	Soil				1.3	52.6	13.9	107	0.8	64.5	17.9	525	3.96	7.1	0.6	<0.5	2.9	16	0.5	0.5	0.3	87	0.19	0.150
115148	Soil				1.2	90.5	10.0	80	0.8	50.3	12.4	799	3.43	14.4	0.8	1.3	3.7	9	0.2	0.6	0.3	72	0.09	0.067
115149	Soil				1.7	78.8	14.4	144	1.5	71.3	15.7	480	4.26	18.0	1.4	1.8	4.5	14	0.4	0.5	0.3	117	0.11	0.062
115150	Soil				1.6	92.0	13.5	263	0.8	107.0	21.6	651	5.64	19.9	1.3	0.8	2.8	16	0.6	0.5	0.3	150	0.19	0.111
115151	Soil				1.8	94.6	13.3	203	0.6	126.3	27.8	1187	6.23	16.3	2.2	<0.5	2.8	27	0.5	0.3	0.4	150	0.21	0.100
115152	Soil				3.0	89.7	17.6	134	0.5	47.1	12.0	381	3.76	8.0	1.7	1.5	4.1	32	0.7	0.5	0.4	90	0.16	0.192
115153	Soil				1.7	150.3	11.9	462	0.6	57.9	12.3	375	4.34	3.8	1.6	<0.5	5.7	21	0.7	0.1	0.2	104	0.18	0.123
115154	Soil				1.1	38.9	11.6	93	0.3	43.6	13.3	366	3.16	10.9	0.7	1.3	3.6	18	0.3	0.5	0.2	70	0.17	0.118
115155	Soil				3.2	142.3	24.8	222	0.5	75.6	10.2	267	4.91	16.7	2.4	<0.5	6.3	23	0.4	0.7	1.1	142	0.12	0.118
115156	Soil				2.7	157.4	21.9	223	1.3	78.0	18.1	488	5.34	7.6	3.2	<0.5	4.4	22	0.7	0.2	0.4	194	0.22	0.183



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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
115127	Soil	20	14	0.69	235	0.054	<1	1.56	0.005	0.11	<0.1	0.02	2.5	0.1	<0.05	6	<0.5
115128	Soil	84	8	0.11	152	0.030	<1	0.88	0.003	0.18	<0.1	<0.01	1.2	0.1	<0.05	2	<0.5
115129	Soil	4	67	3.06	214	0.242	<1	3.42	0.003	0.55	<0.1	<0.01	2.9	0.3	<0.05	7	<0.5
115130	Soil	4	113	1.71	91	0.143	<1	1.90	0.003	0.04	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5
115131	Soil	1	490	2.28	71	0.093	<1	1.89	0.002	0.01	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5
115132	Soil	5	348	4.35	230	0.271	<1	4.47	0.003	0.23	<0.1	0.01	5.3	0.2	<0.05	8	<0.5
115133	Soil	14	108	2.66	171	0.233	<1	3.52	0.004	0.14	<0.1	<0.01	5.4	0.2	<0.05	9	0.6
115134	Soil	32	46	1.55	286	0.131	<1	2.32	0.004	0.06	<0.1	0.04	6.9	0.2	<0.05	7	1.0
115135	Soil	27	31	0.81	244	0.065	1	2.10	0.005	0.06	<0.1	0.03	4.2	<0.1	<0.05	6	<0.5
115136	Soil	12	81	1.78	204	0.170	1	3.13	0.004	0.17	<0.1	<0.01	4.2	0.2	<0.05	8	<0.5
115137	Soil	6	127	1.71	112	0.096	<1	1.83	0.003	0.10	<0.1	<0.01	2.7	0.1	<0.05	3	<0.5
115138	Soil	20	151	2.18	199	0.142	<1	2.55	0.004	0.14	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5
115139	Soil	23	49	1.11	306	0.208	<1	1.72	0.005	0.34	<0.1	0.01	4.1	0.2	0.21	4	<0.5
115140	Soil	27	7	0.12	115	0.012	<1	0.53	0.002	0.09	<0.1	<0.01	1.1	<0.1	0.14	1	<0.5
115141	Soil	5	88	1.98	263	0.150	<1	2.60	0.004	0.31	<0.1	<0.01	3.8	<0.1	0.07	6	<0.5
115142	Soil	5	82	2.88	193	0.108	<1	2.52	0.003	0.11	<0.1	<0.01	4.0	<0.1	<0.05	7	<0.5
115143	Soil	5	22	0.24	76	0.024	<1	0.72	0.009	0.02	0.1	0.02	0.7	<0.1	<0.05	4	<0.5
115144	Soil	9	35	0.43	185	0.043	<1	1.90	0.008	0.03	0.1	0.02	2.6	<0.1	<0.05	6	0.8
115145	Soil	13	44	0.50	239	0.046	1	2.34	0.006	0.07	0.2	0.04	3.4	0.1	0.12	6	1.2
115146	Soil	36	44	0.75	272	0.053	<1	1.65	0.003	0.09	<0.1	0.02	3.3	<0.1	<0.05	7	1.2
115147	Soil	8	85	1.15	473	0.094	<1	2.18	0.005	0.17	0.2	0.01	4.8	0.1	<0.05	8	0.8
115148	Soil	10	44	0.73	460	0.072	<1	2.06	0.005	0.19	0.1	0.01	3.3	0.1	<0.05	7	0.7
115149	Soil	10	69	1.01	948	0.147	<1	2.54	0.006	0.35	0.1	0.02	3.6	0.2	<0.05	8	0.8
115150	Soil	9	72	1.48	962	0.170	<1	3.25	0.006	0.57	<0.1	0.02	4.7	0.3	<0.05	11	1.1
115151	Soil	11	135	1.91	1359	0.163	<1	3.49	0.007	0.61	<0.1	<0.01	6.0	0.3	<0.05	13	<0.5
115152	Soil	17	42	0.70	660	0.068	<1	1.68	0.011	0.28	0.2	0.01	2.7	0.2	0.10	7	0.7
115153	Soil	20	58	1.35	758	0.167	<1	2.59	0.004	0.73	<0.1	<0.01	3.3	0.4	<0.05	9	0.7
115154	Soil	10	44	0.73	579	0.072	<1	1.81	0.006	0.19	0.2	<0.01	3.0	0.1	<0.05	6	0.7
115155	Soil	23	63	1.22	644	0.123	<1	2.75	0.003	0.33	<0.1	0.01	2.9	0.3	0.08	8	1.3
115156	Soil	15	109	1.48	893	0.200	<1	3.18	0.008	0.78	<0.1	0.02	7.0	0.5	<0.05	11	1.0



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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
115157	Soil	2.1	90.8	15.2	86	0.9	26.2	10.0	927	3.29	9.0	1.0	<0.5	5.1	15	0.2	0.4	0.2	63	0.15	0.127
115158	Soil	1.2	65.8	11.6	149	0.5	80.0	15.9	371	3.56	4.1	0.9	<0.5	3.5	21	0.3	0.2	0.3	111	0.33	0.198
116046	Soil	0.2	7.1	15.1	21	<0.1	3.8	2.0	140	0.53	1.8	2.3	<0.5	17.2	6	<0.1	<0.1	0.2	7	0.08	0.055
116047	Soil	0.2	14.4	4.7	26	<0.1	6.2	2.9	179	1.14	1.7	0.5	<0.5	2.9	8	<0.1	<0.1	<0.1	18	0.08	0.039
116048	Soil	1.1	64.2	13.4	115	0.2	138.3	15.6	493	4.20	17.1	1.0	2.2	5.7	8	0.1	0.7	0.2	73	0.06	0.024
116049	Soil	0.8	40.7	12.5	85	<0.1	46.5	11.8	275	3.52	3.6	0.8	<0.5	8.5	8	0.1	0.3	0.2	48	0.06	0.019
116050	Soil	1.5	96.5	9.3	90	0.2	61.9	24.3	623	4.27	3.4	1.0	<0.5	4.7	9	0.3	0.2	0.1	102	0.22	0.103
116051	Soil	0.7	24.2	7.1	135	<0.1	92.5	28.7	1557	5.09	2.6	1.2	<0.5	4.1	7	0.2	0.2	<0.1	115	0.19	0.087
116052	Soil	1.5	48.0	9.6	74	0.1	44.9	9.9	202	3.01	6.0	1.1	0.5	12.7	5	0.1	0.4	0.4	36	0.04	0.025
116053	Soil	0.9	89.8	8.8	87	<0.1	27.1	13.6	627	4.17	2.3	0.9	<0.5	5.9	6	0.1	0.2	0.2	59	0.11	0.073
116054	Soil	0.7	37.2	6.0	98	<0.1	34.1	15.0	614	4.09	3.4	0.8	1.0	2.4	19	0.1	0.3	0.1	61	0.25	0.056
116055	Soil	0.8	83.9	8.7	80	0.1	68.5	23.2	688	4.63	7.6	0.7	2.2	3.7	15	0.3	0.3	0.2	104	0.35	0.063
116056	Soil	0.7	11.2	16.6	38	0.1	9.3	3.8	111	1.49	4.5	0.8	1.0	7.1	10	<0.1	0.3	0.6	28	0.06	0.021
116057	Soil	1.4	81.6	9.2	100	<0.1	87.0	21.3	520	4.70	3.5	1.8	1.7	11.9	12	0.1	0.3	0.3	82	0.24	0.060
116058	Soil	2.1	15.6	5.9	36	<0.1	13.2	7.0	208	1.70	2.6	0.7	<0.5	5.1	11	<0.1	0.1	<0.1	26	0.11	0.037
116059	Soil	0.3	28.9	3.4	103	<0.1	70.6	29.6	586	4.93	3.5	0.3	<0.5	0.7	37	0.1	0.2	<0.1	95	0.59	0.177
116060	Soil	0.5	44.8	16.5	94	<0.1	28.8	10.5	391	2.50	7.3	1.0	1.0	10.7	9	<0.1	0.4	0.2	41	0.09	0.023
116061	Soil	0.2	30.6	12.1	108	<0.1	11.6	6.3	504	1.62	1.2	0.5	<0.5	4.3	15	0.1	<0.1	<0.1	19	0.28	0.080
116062	Soil	0.2	23.3	1.5	60	<0.1	76.1	29.9	353	3.10	1.7	0.1	<0.5	0.4	18	<0.1	0.1	<0.1	76	0.26	0.035
116063	Soil	0.3	8.5	3.9	21	<0.1	11.9	4.1	121	0.96	2.9	1.0	<0.5	5.7	8	<0.1	0.2	<0.1	14	0.09	0.008
116064	Soil	0.2	17.9	8.9	31	<0.1	11.2	4.6	131	0.82	0.7	0.4	<0.5	3.5	7	0.1	0.1	<0.1	15	0.08	0.021
116065	Soil	0.2	19.5	9.1	32	<0.1	11.6	4.5	131	0.82	1.1	0.5	<0.5	3.9	7	0.2	0.1	<0.1	15	0.08	0.020
116066	Soil	0.5	17.6	7.5	44	0.1	38.9	12.8	305	2.32	2.8	0.4	3.6	2.3	8	0.1	0.2	<0.1	42	0.10	0.026
116067	Soil	0.2	5.3	4.1	12	<0.1	4.2	1.7	96	0.44	1.7	0.6	<0.5	9.3	7	<0.1	0.1	<0.1	7	0.06	0.023
116068	Soil	0.2	14.8	1.9	26	<0.1	26.2	5.6	153	1.09	1.0	0.6	<0.5	2.6	10	<0.1	<0.1	<0.1	18	0.15	0.020
116069	Soil	0.2	43.3	1.0	34	<0.1	28.7	15.7	401	2.72	0.8	0.2	<0.5	0.7	5	<0.1	<0.1	<0.1	51	0.13	0.024
116070	Soil	0.3	42.6	3.6	42	<0.1	41.0	12.7	290	2.19	2.2	0.8	4.2	4.4	19	<0.1	0.2	<0.1	32	0.34	0.054
116071	Soil	0.2	7.4	3.9	13	<0.1	12.1	2.8	56	0.49	1.4	0.5	<0.5	9.8	9	<0.1	<0.1	<0.1	8	0.06	0.017
116072	Soil	0.2	54.5	3.0	76	<0.1	16.4	16.3	189	2.16	2.2	0.8	0.7	1.9	16	<0.1	0.1	<0.1	38	0.20	0.044
116073	Soil	0.1	50.6	1.8	95	<0.1	63.7	24.7	329	2.56	1.8	0.1	<0.5	0.6	5	<0.1	<0.1	<0.1	57	0.25	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
		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
115157	Soil	13	31	0.67	421	0.067	<1	2.02	0.004	0.30	0.1	0.02	2.7	0.2	<0.05	7	<0.5
115158	Soil	8	62	1.32	590	0.171	<1	2.36	0.006	0.80	<0.1	<0.01	3.4	0.6	<0.05	8	0.5
116046	Soil	41	4	0.12	62	0.026	<1	0.47	0.001	0.10	<0.1	<0.01	0.5	<0.1	<0.05	1	<0.5
116047	Soil	6	8	0.44	63	0.027	<1	0.80	0.002	0.10	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5
116048	Soil	15	142	1.70	172	0.048	<1	2.76	0.008	0.07	0.1	0.02	6.1	0.2	<0.05	7	0.6
116049	Soil	15	73	1.55	196	0.112	<1	2.42	0.003	0.27	<0.1	0.01	4.3	0.3	<0.05	6	<0.5
116050	Soil	10	91	2.16	122	0.088	<1	2.71	0.002	0.19	<0.1	<0.01	5.6	0.2	<0.05	6	0.9
116051	Soil	10	184	3.27	195	0.118	<1	3.67	0.002	0.18	<0.1	0.01	10.7	0.2	<0.05	9	<0.5
116052	Soil	27	36	1.06	162	0.061	<1	1.83	0.003	0.16	<0.1	<0.01	2.9	0.2	<0.05	5	0.9
116053	Soil	13	22	1.68	163	0.077	<1	2.23	0.003	0.30	<0.1	<0.01	5.3	0.2	<0.05	6	0.7
116054	Soil	8	56	1.92	233	0.115	<1	2.59	0.003	0.27	<0.1	0.01	4.7	0.2	<0.05	7	<0.5
116055	Soil	13	82	1.96	294	0.067	<1	2.66	0.006	0.26	0.1	0.01	8.4	0.2	<0.05	7	0.6
116056	Soil	10	15	0.24	111	0.037	<1	0.99	0.004	0.09	0.2	0.01	1.1	<0.1	<0.05	3	<0.5
116057	Soil	60	122	1.87	264	0.098	<1	2.52	0.005	0.24	<0.1	0.01	9.0	0.3	0.06	7	0.9
116058	Soil	6	27	0.63	145	0.087	<1	1.14	0.003	0.35	<0.1	<0.01	1.9	0.2	<0.05	3	<0.5
116059	Soil	2	23	2.18	353	0.132	<1	2.74	0.003	0.44	0.1	<0.01	2.9	0.2	<0.05	6	<0.5
116060	Soil	16	42	1.15	146	0.118	<1	1.72	0.003	0.24	<0.1	0.02	3.4	0.2	<0.05	4	0.6
116061	Soil	5	11	0.84	213	0.058	<1	1.13	0.003	0.35	<0.1	<0.01	1.2	0.2	<0.05	3	<0.5
116062	Soil	3	112	2.27	518	0.159	<1	2.35	0.004	0.47	<0.1	<0.01	3.1	0.2	<0.05	5	<0.5
116063	Soil	7	18	0.55	79	0.120	<1	0.87	0.002	0.04	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5
116064	Soil	4	13	0.53	87	0.032	<1	0.86	0.002	0.07	<0.1	0.01	1.0	<0.1	<0.05	2	<0.5
116065	Soil	5	13	0.53	90	0.032	<1	0.89	0.002	0.06	<0.1	0.01	1.0	<0.1	<0.05	2	<0.5
116066	Soil	4	52	1.37	156	0.054	<1	1.99	0.003	0.04	0.1	0.01	2.5	<0.1	<0.05	5	<0.5
116067	Soil	10	4	0.10	45	0.011	<1	0.44	0.001	0.06	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5
116068	Soil	4	25	0.68	139	0.102	<1	0.88	0.002	0.21	<0.1	<0.01	1.0	0.2	<0.05	2	<0.5
116069	Soil	<1	43	2.05	123	0.107	<1	2.01	0.002	0.11	<0.1	0.01	1.5	0.1	<0.05	3	<0.5
116070	Soil	9	37	1.59	215	0.113	<1	1.71	0.004	0.30	<0.1	0.01	3.1	0.2	<0.05	4	<0.5
116071	Soil	12	7	0.21	57	0.023	<1	0.47	0.001	0.07	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5
116072	Soil	5	9	0.84	57	0.017	<1	1.38	0.003	0.02	0.2	0.01	2.3	<0.1	<0.05	3	<0.5
116073	Soil	1	103	1.31	101	0.083	<1	1.62	0.002	0.30	<0.1	0.01	2.7	0.1	<0.05	4	<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
116074	Soil	0.2	60.2	3.8	70	<0.1	84.7	20.4	709	3.21	1.2	0.2	<0.5	1.0	8	<0.1	0.1	<0.1	80	0.28	0.102
116075	Soil	0.3	51.6	7.6	70	<0.1	20.1	18.7	502	4.22	0.9	0.6	0.8	2.9	4	<0.1	0.2	0.1	97	0.06	0.021
116076	Soil	1.6	67.6	8.4	91	<0.1	37.8	8.6	409	3.66	1.1	2.3	0.5	17.0	5	0.2	0.2	0.2	28	0.07	0.025
116077	Soil	0.4	164.6	2.8	70	<0.1	45.8	19.6	649	4.53	2.6	0.7	5.5	1.5	8	<0.1	0.2	<0.1	105	0.16	0.062
116078	Soil	0.3	64.1	3.8	39	<0.1	58.5	21.6	372	2.67	1.3	0.4	1.8	1.5	23	<0.1	0.1	<0.1	67	0.29	0.015
116079	Soil	0.5	6.7	14.4	39	0.3	8.7	4.3	194	0.99	2.5	0.4	2.0	7.0	7	0.1	0.2	0.3	17	0.10	0.032
116080	Soil	0.1	32.1	3.4	187	0.3	148.0	30.7	951	4.22	2.4	0.2	0.8	1.5	31	0.4	0.1	<0.1	100	1.26	0.068
116081	Soil	0.4	62.5	4.7	71	<0.1	118.3	26.0	639	4.86	4.4	0.6	<0.5	3.3	14	<0.1	0.2	0.1	91	0.43	0.147
116082	Soil	0.2	28.5	5.6	43	<0.1	56.0	14.2	486	2.01	1.1	0.8	2.7	12.6	52	<0.1	0.2	0.1	32	3.70	0.061
116083	Soil	0.8	53.8	7.1	61	0.2	74.4	18.7	570	2.90	6.9	0.7	6.3	3.9	101	0.1	0.6	0.1	57	6.70	0.047
116084	Soil	0.3	24.3	2.7	62	<0.1	28.6	8.7	331	2.53	2.5	0.2	<0.5	0.8	15	<0.1	0.1	<0.1	28	0.24	0.014
116085	Soil	0.4	25.3	3.8	87	<0.1	13.2	12.2	488	3.71	1.2	0.8	<0.5	1.8	26	<0.1	0.2	<0.1	61	0.23	0.040
116086	Soil	0.6	29.2	10.3	91	<0.1	15.9	5.2	255	2.27	3.2	1.6	<0.5	8.8	7	0.1	0.4	0.2	20	0.10	0.018
116087	Soil	0.5	23.1	7.4	51	<0.1	17.1	8.0	274	1.86	3.7	1.0	3.2	4.5	17	0.1	0.3	0.1	25	0.19	0.026
116088	Soil	0.3	55.7	15.7	48	<0.1	9.1	5.3	281	2.03	2.1	0.9	<0.5	17.4	4	<0.1	0.1	0.2	10	0.08	0.047
116089	Soil	0.5	28.7	21.5	59	0.1	7.2	6.8	286	2.26	3.9	0.7	<0.5	6.3	8	<0.1	0.2	0.2	13	0.07	0.033
116090	Soil	0.7	21.9	24.0	57	0.1	9.2	7.2	387	2.35	4.2	0.8	<0.5	8.3	8	<0.1	0.2	0.2	16	0.09	0.045
116091	Soil	0.4	8.2	11.8	41	<0.1	23.5	7.0	208	1.93	1.2	0.6	<0.5	6.1	6	<0.1	<0.1	0.1	12	0.09	0.030
116092	Soil	0.7	90.4	15.8	48	<0.1	11.7	6.2	268	2.58	4.9	0.9	1.5	11.5	11	0.1	0.4	0.2	19	0.09	0.028
116093	Soil	0.3	21.6	8.3	46	<0.1	35.0	7.8	322	1.96	1.8	0.6	<0.5	5.4	12	<0.1	<0.1	<0.1	30	0.12	0.045
116094	Soil	0.2	20.1	6.8	33	<0.1	9.5	5.4	259	1.43	1.6	0.4	<0.5	2.2	16	0.1	<0.1	<0.1	17	0.12	0.040
116095	Soil	0.5	24.5	8.7	95	<0.1	24.1	11.4	627	3.22	2.3	0.5	<0.5	2.8	13	0.1	<0.1	<0.1	42	0.21	0.098
116096	Soil	0.3	68.0	6.9	54	<0.1	10.4	9.9	439	2.83	1.6	0.5	<0.5	3.1	9	<0.1	<0.1	<0.1	52	0.11	0.046
116097	Soil	0.6	42.6	8.1	89	<0.1	84.8	23.9	900	4.75	7.5	0.7	<0.5	2.1	13	0.2	0.2	<0.1	120	0.22	0.039
116098	Soil	0.5	103.5	3.8	77	<0.1	48.1	20.3	637	4.03	2.2	0.3	<0.5	1.2	10	<0.1	0.1	<0.1	70	0.17	0.050
116099	Soil	0.7	12.4	21.1	26	<0.1	6.9	3.8	183	1.21	1.7	1.3	1.1	16.2	9	<0.1	0.2	0.2	10	0.06	0.014
116100	Soil	0.2	27.4	7.0	37	<0.1	4.0	6.8	264	1.61	<0.5	0.9	<0.5	5.7	15	<0.1	<0.1	<0.1	9	0.19	0.054
116101	Soil	0.2	14.6	19.2	42	<0.1	3.6	2.8	230	1.59	<0.5	2.3	<0.5	23.9	5	<0.1	<0.1	0.2	4	0.06	0.036
116102	Soil	0.4	23.5	21.5	34	<0.1	8.9	4.4	273	1.40	<0.5	2.5	<0.5	19.5	7	<0.1	0.1	0.2	13	0.07	0.031
116103	Soil	2.6	60.5	11.9	90	0.2	32.1	13.2	457	4.25	6.7	1.0	1.2	9.2	5	0.3	0.4	0.1	58	0.06	0.077



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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
116074	Soil	4	105	1.44	128	0.104	<1	1.80	0.003	0.51	<0.1	<0.01	4.2	0.1	<0.05	4	<0.5	<0.2
116075	Soil	17	26	2.29	122	0.091	<1	2.70	0.002	0.09	<0.1	<0.01	7.5	0.1	<0.05	7	0.6	<0.2
116076	Soil	38	32	0.82	231	0.046	<1	1.43	0.003	0.07	<0.1	0.02	4.1	0.3	<0.05	5	1.0	<0.2
116077	Soil	7	46	1.66	135	0.052	<1	2.33	<0.001	0.16	<0.1	0.03	5.9	0.2	<0.05	7	<0.5	<0.2
116078	Soil	3	92	2.05	213	0.162	<1	2.09	0.003	0.18	<0.1	<0.01	3.4	0.1	<0.05	5	<0.5	<0.2
116079	Soil	13	11	0.21	193	0.016	<1	0.66	0.003	0.07	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
116080	Soil	10	255	3.79	75	0.025	<1	3.26	<0.001	0.05	0.2	0.04	13.5	<0.1	<0.05	8	<0.5	<0.2
116081	Soil	20	111	1.68	150	0.054	<1	2.56	0.004	0.34	0.2	0.01	8.2	0.1	<0.05	7	0.6	<0.2
116082	Soil	27	88	1.56	230	0.016	<1	1.57	0.005	0.08	<0.1	0.02	3.4	<0.1	0.08	4	<0.5	<0.2
116083	Soil	13	110	1.70	524	0.041	<1	1.89	0.020	0.06	0.2	0.04	4.8	<0.1	0.12	5	<0.5	<0.2
116084	Soil	2	38	1.54	112	0.069	<1	1.82	0.001	0.03	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
116085	Soil	3	35	1.47	380	0.110	<1	2.13	0.004	0.38	<0.1	0.01	4.0	0.2	<0.05	6	<0.5	<0.2
116086	Soil	24	17	0.97	171	0.045	<1	1.46	0.003	0.03	<0.1	0.04	3.6	<0.1	<0.05	4	0.9	<0.2
116087	Soil	12	21	0.55	190	0.042	<1	1.10	0.003	0.08	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
116088	Soil	21	9	0.44	99	0.068	<1	1.04	0.003	0.35	<0.1	<0.01	1.6	0.3	<0.05	3	<0.5	<0.2
116089	Soil	8	9	0.58	75	0.025	<1	1.31	0.002	0.10	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
116090	Soil	10	11	0.57	89	0.028	<1	1.39	0.002	0.12	<0.1	<0.01	1.6	0.1	<0.05	4	<0.5	<0.2
116091	Soil	10	33	1.03	52	0.019	<1	1.42	0.002	0.09	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
116092	Soil	15	14	0.58	114	0.018	<1	1.59	0.004	0.10	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
116093	Soil	6	39	0.92	174	0.103	<1	1.23	0.003	0.55	<0.1	<0.01	1.9	0.3	<0.05	4	<0.5	<0.2
116094	Soil	4	13	0.45	125	0.062	<1	0.91	0.003	0.29	<0.1	<0.01	1.4	0.1	<0.05	3	<0.5	<0.2
116095	Soil	6	60	1.70	91	0.054	<1	2.08	0.002	0.08	<0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
116096	Soil	14	12	0.91	206	0.130	<1	1.44	0.003	0.71	<0.1	<0.01	3.3	0.4	<0.05	4	<0.5	<0.2
116097	Soil	9	144	2.57	258	0.195	<1	3.11	0.003	0.20	<0.1	<0.01	8.1	0.3	<0.05	9	<0.5	<0.2
116098	Soil	2	60	2.03	118	0.108	<1	2.51	0.003	0.11	<0.1	<0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
116099	Soil	15	10	0.18	94	0.026	<1	0.87	0.003	0.13	<0.1	0.01	1.4	0.1	<0.05	2	<0.5	<0.2
116100	Soil	11	5	0.38	89	0.083	<1	0.82	0.002	0.37	<0.1	<0.01	1.3	0.2	<0.05	3	<0.5	<0.2
116101	Soil	59	6	0.30	83	0.065	<1	0.93	0.003	0.38	<0.1	<0.01	2.2	0.2	<0.05	3	1.0	<0.2
116102	Soil	42	11	0.24	96	0.046	<1	0.85	0.003	0.23	<0.1	0.02	2.2	0.1	<0.05	3	<0.5	<0.2
116103	Soil	22	35	0.92	145	0.055	<1	2.19	0.004	0.09	0.1	0.01	3.3	0.2	<0.05	6	0.8	<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		
					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
116104	Soil				0.4	33.1	4.0	109	<0.1	610.9	35.4	562	4.72	1.1	1.0	0.9	2.5	8	<0.1	0.1	<0.1	135	0.17	0.010
116105	Soil				1.0	62.7	15.6	95	<0.1	72.9	14.1	446	4.25	4.1	1.2	1.0	5.8	12	0.3	0.3	0.1	78	0.19	0.082
116106	Soil				0.5	47.1	6.6	59	<0.1	20.8	12.2	318	2.89	4.6	0.5	3.5	3.4	14	<0.1	0.3	<0.1	61	0.16	0.019
116107	Soil				1.0	31.9	9.8	67	0.1	40.9	10.4	301	3.12	4.2	0.7	<0.5	3.4	13	<0.1	0.3	0.1	82	0.18	0.022
116108	Soil				0.2	56.7	18.1	93	0.1	55.4	13.8	528	4.15	1.5	2.6	0.8	17.4	9	0.1	0.2	0.1	34	0.18	0.027
116109	Soil				0.9	95.2	151.1	197	0.2	6.3	1.3	108	1.24	1.4	3.8	<0.5	24.0	11	0.8	0.1	3.6	10	0.09	0.015
116110	Soil				0.6	14.8	9.1	64	<0.1	16.1	5.3	170	1.91	27.7	1.4	0.9	8.9	14	0.2	0.2	<0.1	16	0.18	0.077
116111	Soil				0.7	4.2	52.5	113	0.1	5.0	3.3	160	1.52	3.0	1.8	<0.5	25.7	4	<0.1	0.1	0.7	7	0.04	0.018
116112	Soil				5.8	61.6	12.5	112	2.5	38.1	10.3	283	3.42	25.8	1.5	<0.5	4.7	10	1.0	0.5	0.2	76	0.09	0.094
116113	Soil				2.3	59.0	27.8	98	0.7	44.0	15.9	413	4.01	9.0	1.2	<0.5	5.9	7	0.5	0.3	0.1	56	0.13	0.104
116114	Soil				0.5	13.4	19.6	40	0.2	9.4	3.9	87	1.49	1.3	2.1	1.1	11.9	10	0.3	0.2	0.1	13	0.06	0.016
116115	Soil				0.4	15.3	15.4	69	0.2	13.6	7.8	214	2.24	<0.5	3.7	<0.5	16.6	11	0.3	0.2	0.1	17	0.08	0.020
116116	Soil				0.9	14.3	21.4	49	0.3	11.4	3.4	83	1.49	4.8	0.8	1.5	12.8	10	<0.1	0.3	0.2	24	0.05	0.013
116117	Soil				0.4	9.9	17.1	45	<0.1	6.5	1.8	54	1.10	2.7	1.7	1.0	8.0	18	<0.1	0.2	0.2	12	0.13	0.007
116118	Soil				0.6	13.2	5.8	29	<0.1	5.7	3.1	94	1.19	2.0	0.4	0.6	3.1	12	<0.1	0.1	<0.1	10	0.08	0.014
116119	Soil				0.6	31.2	18.0	55	0.2	20.2	7.3	266	2.26	4.9	2.4	2.2	30.2	11	<0.1	0.4	0.1	35	0.10	0.012
116120	Soil				0.2	21.6	3.3	56	<0.1	39.3	18.5	318	3.03	0.8	0.3	<0.5	3.1	18	<0.1	0.1	<0.1	66	0.38	0.052
116121	Soil				0.5	23.7	5.0	57	0.2	26.2	12.5	1270	3.23	0.5	0.3	2.8	1.6	6	0.1	<0.1	<0.1	93	0.13	0.077
116122	Soil				0.2	31.9	20.9	90	0.2	40.2	13.1	609	3.81	1.9	0.4	4.3	17.3	10	<0.1	<0.1	0.1	28	0.37	0.100
116123	Soil				0.4	15.4	14.7	46	<0.1	10.3	3.7	174	1.26	2.4	1.3	4.9	17.0	8	0.1	0.2	0.1	19	0.06	0.011
116124	Soil				4.3	68.8	36.8	127	0.1	67.5	20.3	658	6.71	3.4	1.8	0.9	10.1	5	<0.1	0.2	0.5	20	0.07	0.049
116125	Soil				0.5	10.4	12.5	50	<0.1	14.7	5.8	147	1.83	1.0	1.7	<0.5	16.4	6	<0.1	0.1	0.2	14	0.08	0.031
116126	Soil				0.4	82.2	4.8	64	0.2	38.4	18.6	464	3.78	2.1	0.6	3.2	3.0	20	<0.1	0.2	<0.1	96	0.30	0.031
116127	Soil				0.2	74.9	2.7	74	<0.1	90.0	24.6	462	4.47	<0.5	0.2	<0.5	0.6	17	<0.1	<0.1	<0.1	156	0.25	0.054
116128	Soil				0.5	25.4	5.2	38	<0.1	9.7	4.2	110	1.34	2.2	1.2	<0.5	12.6	11	<0.1	0.2	<0.1	23	0.10	0.028
116129	Soil				0.4	37.4	9.2	84	0.1	35.2	12.5	278	4.17	2.4	2.1	2.4	10.6	21	0.1	0.2	0.1	96	0.33	0.066
116130	Soil				0.8	125.8	25.8	228	0.3	49.4	16.8	573	5.34	6.8	3.3	6.1	12.2	15	0.6	0.4	0.2	67	0.33	0.099
116131	Soil				0.3	62.7	2.1	40	<0.1	67.1	18.2	266	2.27	1.3	0.2	0.5	1.0	24	<0.1	0.1	<0.1	61	0.56	0.141
116132	Soil				0.2	53.2	2.5	37	<0.1	68.6	16.5	371	1.72	1.1	0.3	2.6	1.3	20	<0.1	<0.1	<0.1	47	0.53	0.127
116133	Soil				4.6	85.0	8.9	86	0.1	42.6	11.1	337	3.64	<0.5	2.8	1.3	15.3	36	0.2	<0.1	0.2	58	0.56	0.176



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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
116104	Soil	8	658	5.14	120	0.155	<1	4.25	0.003	0.02	<0.1	<0.01	11.5	<0.1	<0.05	11	0.8
116105	Soil	15	66	1.48	164	0.015	<1	2.94	0.004	0.07	<0.1	0.01	5.0	0.1	<0.05	8	0.7
116106	Soil	10	41	1.02	221	0.121	<1	1.81	0.005	0.12	0.1	0.02	2.9	<0.1	<0.05	5	<0.5
116107	Soil	10	74	1.35	171	0.114	<1	2.00	0.004	0.05	0.1	<0.01	3.6	<0.1	<0.05	7	0.5
116108	Soil	44	61	1.37	167	0.053	<1	2.01	0.004	0.06	<0.1	0.02	3.4	<0.1	<0.05	6	0.9
116109	Soil	51	10	0.76	86	0.021	<1	1.14	0.003	0.07	<0.1	0.02	1.7	0.1	<0.05	4	1.0
116110	Soil	20	15	0.42	118	0.052	<1	0.90	0.003	0.18	<0.1	<0.01	1.7	0.2	<0.05	3	<0.5
116111	Soil	107	8	1.23	176	0.035	<1	1.77	0.003	0.14	<0.1	<0.01	1.0	0.2	<0.05	5	0.9
116112	Soil	10	37	0.52	290	0.039	<1	2.07	0.007	0.06	<0.1	0.04	2.5	0.2	<0.05	6	4.5
116113	Soil	13	32	0.87	223	0.021	<1	2.16	0.004	0.06	0.1	0.01	3.6	0.1	<0.05	5	1.3
116114	Soil	39	13	0.29	164	0.020	<1	1.00	0.003	0.13	<0.1	<0.01	1.4	0.1	<0.05	3	<0.5
116115	Soil	45	32	0.61	252	0.032	<1	1.40	0.002	0.20	<0.1	<0.01	2.4	0.3	<0.05	4	0.5
116116	Soil	20	17	0.46	194	0.026	<1	1.40	0.003	0.06	0.1	0.01	1.8	0.1	<0.05	4	<0.5
116117	Soil	25	11	0.66	178	0.020	<1	1.32	0.003	0.06	<0.1	0.01	2.3	0.1	<0.05	4	0.6
116118	Soil	5	7	0.18	82	0.045	<1	0.61	0.002	0.09	<0.1	<0.01	0.8	<0.1	<0.05	2	0.5
116119	Soil	51	31	1.07	249	0.045	<1	1.88	0.005	0.06	<0.1	0.02	3.6	<0.1	<0.05	6	1.0
116120	Soil	16	116	2.56	583	0.236	<1	2.56	0.005	0.56	<0.1	<0.01	2.5	0.3	<0.05	5	0.5
116121	Soil	5	38	1.73	135	0.058	<1	2.20	0.003	0.10	<0.1	0.01	6.8	<0.1	<0.05	7	<0.5
116122	Soil	39	43	2.45	161	0.004	<1	2.92	0.002	0.05	<0.1	0.01	3.6	<0.1	<0.05	6	<0.5
116123	Soil	46	17	0.27	172	0.017	<1	0.85	0.004	0.06	<0.1	0.01	2.9	<0.1	<0.05	3	<0.5
116124	Soil	18	22	0.36	91	0.007	<1	1.07	0.003	0.05	<0.1	<0.01	3.6	<0.1	<0.05	3	0.9
116125	Soil	33	57	0.49	75	0.029	<1	1.30	0.001	0.12	<0.1	0.01	2.0	0.2	<0.05	5	<0.5
116126	Soil	7	85	1.56	336	0.117	<1	2.25	0.010	0.20	0.2	<0.01	7.3	0.1	<0.05	6	<0.5
116127	Soil	2	184	2.41	659	0.213	<1	2.78	0.012	0.79	<0.1	<0.01	8.6	0.3	<0.05	8	<0.5
116128	Soil	18	13	0.28	112	0.036	<1	0.97	0.003	0.08	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5
116129	Soil	25	60	1.28	291	0.059	<1	2.38	0.008	0.13	<0.1	<0.01	8.2	<0.1	<0.05	8	0.5
116130	Soil	30	26	1.81	176	0.007	<1	2.82	0.006	0.05	<0.1	0.03	6.5	<0.1	<0.05	9	1.8
116131	Soil	4	106	1.48	151	0.095	<1	1.65	0.012	0.14	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5
116132	Soil	4	109	1.14	170	0.072	<1	1.29	0.013	0.18	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5
116133	Soil	27	30	1.39	309	0.094	<1	1.99	0.005	0.48	<0.1	0.01	3.5	0.4	<0.05	6	1.1



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
116134	Soil	0.3	15.2	11.7	54	<0.1	8.9	4.4	95	1.64	2.6	1.2	3.7	14.2	24	<0.1	0.2	0.1	19	0.23
116135	Soil	0.5	48.0	7.5	83	<0.1	10.8	9.0	196	2.91	4.4	0.7	1.2	5.4	14	<0.1	0.2	<0.1	39	0.20
116136	Soil	0.4	19.9	6.6	64	<0.1	5.6	5.4	248	2.41	2.7	0.6	1.9	4.8	39	<0.1	0.1	<0.1	25	0.23
116137	Soil	2.0	101.2	42.5	221	0.2	55.7	9.1	369	2.90	2.3	2.9	3.5	20.6	24	0.3	0.1	0.7	42	0.19
116138	Soil	0.2	18.3	1.7	36	<0.1	6.4	10.5	135	2.54	2.9	0.2	2.3	0.6	11	<0.1	0.1	<0.1	89	0.37
116139	Soil	1.1	64.1	12.4	116	0.2	83.1	16.4	371	4.87	7.8	1.0	1.8	4.0	14	0.2	0.3	0.2	127	0.19
116140	Soil	1.1	45.7	11.3	86	0.1	50.0	15.6	306	3.80	9.8	0.7	4.2	3.8	12	0.2	0.5	0.2	80	0.15
116141	Soil	1.0	70.3	14.1	73	0.3	47.5	16.1	571	3.77	12.4	1.6	4.9	5.0	8	0.3	0.5	0.2	79	0.09
116142	Soil	1.4	49.0	11.7	102	0.2	38.3	15.8	386	3.41	10.7	0.8	2.1	3.7	7	0.2	0.4	0.2	69	0.09
116143	Soil	1.8	86.4	11.1	97	0.1	30.4	7.4	210	2.68	5.4	2.0	3.9	5.2	19	0.3	0.3	0.2	70	0.11
116144	Soil	0.8	26.8	13.8	110	0.2	55.0	18.5	471	3.69	10.2	0.5	6.5	2.5	8	0.4	0.4	0.2	83	0.12
116145	Soil	2.4	155.9	19.2	219	0.3	129.3	26.3	715	6.23	6.0	1.5	2.2	3.3	16	0.6	0.2	0.4	200	0.18
116146	Soil	1.9	29.6	10.9	77	0.3	24.6	9.0	267	3.10	12.0	0.8	1.4	3.4	9	0.2	0.6	0.2	59	0.07
116147	Soil	1.5	111.3	7.4	93	0.2	32.1	9.5	148	3.68	4.0	2.8	3.2	10.6	37	0.1	0.2	0.3	73	0.06
116148	Soil	1.2	50.5	10.1	56	0.2	18.9	12.6	426	2.90	8.0	0.5	1.3	2.3	10	<0.1	0.5	0.2	75	0.20
116149	Soil	1.8	69.0	11.3	73	0.1	56.5	14.2	332	3.66	9.6	0.8	11.3	5.0	8	0.1	0.6	0.2	77	0.10
116150	Soil	0.8	11.4	10.2	70	<0.1	37.5	15.5	508	3.49	6.4	0.8	4.7	5.5	9	<0.1	0.3	0.1	62	0.10
116151	Soil	1.8	57.9	9.3	75	0.2	53.1	17.7	430	3.54	6.7	0.9	2.4	4.6	8	0.2	0.3	0.2	74	0.11
116152	Soil	1.4	75.1	16.4	272	0.3	123.3	9.2	248	3.33	8.3	1.1	2.3	6.3	5	0.2	0.4	0.4	77	0.05
116153	Soil	1.5	82.9	6.7	156	0.4	78.2	15.9	594	5.45	8.2	1.1	<0.5	3.3	7	0.2	0.3	0.1	117	0.14
116154	Soil	1.8	19.5	12.0	157	0.2	23.4	11.2	430	4.80	4.6	1.8	1.7	7.5	11	0.1	0.2	0.2	80	0.18
116155	Soil	2.4	29.8	6.6	70	0.3	50.7	11.3	426	3.05	4.3	1.3	1.6	6.1	8	0.2	0.2	0.1	66	0.13
116156	Soil	3.6	86.0	6.3	79	0.2	61.6	17.2	438	4.02	4.7	1.4	2.1	6.1	7	0.2	0.3	0.1	81	0.11
116157	Soil	3.9	75.0	8.4	92	0.2	38.4	14.3	482	3.66	6.8	1.6	1.9	6.1	15	0.2	0.4	0.2	84	0.10
116158	Soil	0.8	78.3	7.6	41	0.1	25.1	10.1	208	2.53	8.1	0.3	4.3	1.9	9	<0.1	0.4	0.1	61	0.18
116159	Soil	1.1	40.7	108.8	130	0.3	28.2	10.5	384	3.20	9.7	0.3	2.3	2.3	8	0.2	0.5	0.1	71	0.15
116160	Soil	0.7	12.1	4.3	64	0.1	57.3	11.6	385	3.01	3.4	0.4	0.9	1.6	7	<0.1	0.2	<0.1	49	0.13
116161	Soil	1.5	18.5	11.6	68	0.2	29.3	11.1	387	3.42	9.0	0.4	1.0	2.1	11	<0.1	0.4	0.2	75	0.15
116162	Soil	0.6	20.2	5.7	87	0.2	18.7	9.2	383	2.25	2.7	0.7	<0.5	3.6	12	<0.1	0.1	<0.1	32	0.22
116163	Soil	0.8	20.3	9.1	67	0.2	22.9	8.9	263	2.86	8.9	0.9	2.5	5.0	10	<0.1	0.4	<0.1	48	0.11



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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
116134	Soil	23	10	0.72	168	0.031	<1	1.22	0.005	0.10	<0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
116135	Soil	5	9	0.97	202	0.043	<1	1.74	0.004	0.27	<0.1	<0.01	2.1	0.1	<0.05	6	<0.5	<0.2
116136	Soil	8	7	1.56	648	0.115	<1	2.25	0.010	0.71	<0.1	<0.01	1.3	0.3	<0.05	7	<0.5	<0.2
116137	Soil	46	50	1.34	176	0.022	<1	1.89	0.007	0.06	<0.1	0.01	4.0	0.2	<0.05	5	1.3	0.4
116138	Soil	2	6	0.81	182	0.074	<1	1.28	0.020	0.18	<0.1	<0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
116139	Soil	9	118	1.49	394	0.082	<1	3.07	0.006	0.26	<0.1	0.01	5.4	0.2	<0.05	10	<0.5	<0.2
116140	Soil	9	69	0.91	318	0.085	<1	2.16	0.007	0.25	0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
116141	Soil	19	75	0.94	515	0.069	<1	2.47	0.006	0.09	<0.1	0.02	5.8	0.1	<0.05	7	0.5	<0.2
116142	Soil	10	46	0.72	279	0.078	<1	1.99	0.006	0.20	0.1	0.02	2.8	0.2	<0.05	6	0.6	<0.2
116143	Soil	16	35	0.59	486	0.075	<1	1.55	0.005	0.23	<0.1	<0.01	3.0	0.2	<0.05	5	0.9	<0.2
116144	Soil	10	83	1.20	298	0.088	<1	2.44	0.005	0.07	0.1	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
116145	Soil	9	157	2.03	1738	0.273	<1	4.19	0.011	0.75	<0.1	<0.01	8.6	0.6	<0.05	13	0.9	<0.2
116146	Soil	12	32	0.48	219	0.037	<1	1.65	0.004	0.07	0.1	0.02	2.0	0.2	<0.05	5	0.7	<0.2
116147	Soil	34	40	0.78	382	0.112	<1	1.94	0.015	0.62	<0.1	0.02	4.8	0.5	0.16	6	1.5	0.3
116148	Soil	7	30	0.57	244	0.077	<1	1.92	0.012	0.06	0.2	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
116149	Soil	13	52	1.02	274	0.089	<1	2.34	0.007	0.28	0.1	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
116150	Soil	12	106	1.45	311	0.127	<1	2.64	0.007	0.67	<0.1	<0.01	5.4	0.4	<0.05	7	<0.5	<0.2
116151	Soil	11	54	1.03	357	0.115	<1	2.46	0.008	0.51	<0.1	0.02	3.2	0.3	<0.05	8	<0.5	<0.2
116152	Soil	14	42	0.77	161	0.027	<1	1.92	0.004	0.05	<0.1	0.02	2.3	0.1	<0.05	6	0.7	<0.2
116153	Soil	7	89	2.20	164	0.028	<1	3.28	0.003	0.05	<0.1	<0.01	4.2	<0.1	<0.05	11	<0.5	<0.2
116154	Soil	12	72	2.18	396	0.254	<1	3.36	0.009	0.80	<0.1	<0.01	6.3	0.5	<0.05	12	<0.5	<0.2
116155	Soil	12	99	1.28	309	0.141	<1	2.14	0.006	0.41	<0.1	0.01	5.1	0.2	<0.05	8	1.1	<0.2
116156	Soil	10	89	1.59	267	0.149	<1	2.39	0.005	0.34	<0.1	0.02	4.8	0.2	<0.05	6	1.0	<0.2
116157	Soil	16	53	1.29	312	0.154	<1	2.24	0.010	0.35	<0.1	0.02	5.5	0.3	0.08	6	1.5	<0.2
116158	Soil	7	33	0.55	114	0.059	<1	1.54	0.013	0.08	0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
116159	Soil	8	82	0.84	253	0.082	<1	1.91	0.006	0.19	0.2	0.03	2.1	0.1	<0.05	6	<0.5	<0.2
116160	Soil	5	73	1.36	120	0.159	<1	1.98	0.006	0.51	<0.1	0.01	1.9	0.3	<0.05	6	<0.5	<0.2
116161	Soil	8	52	0.87	250	0.086	<1	2.00	0.007	0.15	0.1	<0.01	2.7	0.2	<0.05	7	<0.5	<0.2
116162	Soil	6	44	1.19	131	0.131	<1	1.68	0.004	0.41	<0.1	<0.01	1.5	0.4	<0.05	5	<0.5	<0.2
116163	Soil	9	30	0.74	181	0.095	<1	1.72	0.005	0.25	0.1	0.01	1.8	0.2	<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
116164	Soil	0.8	29.8	10.0	66	<0.1	31.4	12.1	349	3.00	7.1	0.7	3.1	8.3	13	<0.1	0.4	<0.1	59	0.11	0.013
116165	Soil	1.1	26.7	10.4	57	0.2	27.8	9.3	271	2.70	11.7	0.5	2.5	5.2	10	<0.1	0.6	0.1	51	0.10	0.027
116166	Soil	0.6	28.0	5.6	31	<0.1	22.8	9.3	208	1.73	5.6	0.2	1.3	1.5	7	<0.1	0.3	<0.1	45	0.21	0.064
116167	Soil	0.4	17.2	4.4	49	<0.1	46.7	17.1	311	2.60	4.4	0.2	1.7	1.1	8	<0.1	0.2	<0.1	71	0.18	0.041
116168	Soil	0.4	93.6	4.8	60	0.1	142.0	32.2	501	3.81	3.2	0.2	1.4	1.6	10	<0.1	0.2	<0.1	86	0.15	0.012
116169	Soil	1.0	13.9	12.5	64	0.1	17.3	7.6	207	1.94	7.3	1.2	2.1	6.0	14	0.2	0.4	0.2	28	0.15	0.058
116170	Soil	0.6	40.8	6.6	89	0.1	47.1	18.4	647	3.47	4.1	0.4	1.5	1.8	21	<0.1	0.2	<0.1	58	0.31	0.084
116171	Soil	0.8	21.9	12.7	49	<0.1	22.0	7.7	183	1.54	4.4	3.1	1.5	15.1	18	<0.1	0.2	0.1	20	0.13	0.035
116172	Soil	0.3	134.5	1.8	42	<0.1	9.9	11.7	205	2.43	2.4	0.1	1.2	0.3	28	<0.1	0.1	<0.1	78	0.46	0.139
116173	Soil	0.9	53.4	12.1	69	0.2	29.4	10.1	270	2.60	5.8	1.8	2.0	8.6	15	<0.1	0.4	0.1	45	0.11	0.020
116174	Soil	1.7	67.2	11.5	77	0.2	38.8	14.6	459	4.44	7.4	0.8	1.4	4.4	9	<0.1	0.4	0.1	95	0.12	0.027
116175	Soil	0.6	79.4	8.0	51	0.3	31.9	18.0	393	3.41	5.1	0.3	1.2	1.5	20	<0.1	0.3	<0.1	116	0.22	0.032
116176	Soil	0.6	76.4	11.4	91	<0.1	17.1	11.6	336	3.67	6.2	1.1	0.5	5.9	23	0.1	0.3	0.1	96	0.25	0.043
116177	Soil	2.5	72.9	16.4	109	0.3	86.4	21.4	666	5.30	4.4	1.6	0.9	4.7	7	0.2	0.4	0.2	153	0.12	0.027
116178	Soil	0.7	36.5	15.8	90	0.1	49.7	12.4	373	3.86	4.6	1.0	1.0	7.0	16	<0.1	0.2	0.1	66	0.15	0.092
117037	Soil	0.2	4.3	17.2	91	<0.1	237.0	36.5	1250	5.35	2.0	0.5	1.3	3.3	21	0.1	0.2	<0.1	155	0.50	0.136
117038	Soil	1.2	42.1	13.0	74	<0.1	55.4	15.5	607	3.74	4.0	0.8	1.3	10.1	10	0.2	0.2	0.1	49	0.18	0.056
117039	Soil	0.9	82.8	13.4	123	0.1	44.4	16.2	667	4.29	8.4	1.4	1.4	11.4	11	0.4	0.4	0.2	75	0.28	0.066
117040	Soil	0.7	77.4	12.5	123	0.2	38.3	14.7	604	4.38	7.0	1.3	2.9	10.4	13	0.3	0.4	0.2	84	0.33	0.058
117041	Soil	2.6	46.7	17.9	127	0.1	102.9	27.4	1396	5.12	8.8	1.1	<0.5	10.2	13	0.7	0.1	0.2	119	0.38	0.110
117042	Soil	0.5	108.4	19.3	135	0.2	120.3	34.5	1495	5.20	3.7	2.0	4.5	8.2	20	0.8	0.2	0.2	118	0.52	0.138
117043	Soil	0.2	65.2	2.8	72	<0.1	120.1	28.6	350	3.30	2.7	0.3	0.8	0.9	81	<0.1	0.2	<0.1	93	0.75	0.184
117044	Soil	0.7	45.2	7.1	72	<0.1	107.3	22.4	517	3.46	8.2	0.8	5.6	5.5	19	<0.1	0.5	0.1	68	0.28	0.014
117045	Soil	0.3	33.3	4.1	29	<0.1	21.0	8.8	280	1.13	2.4	0.7	2.7	3.5	39	<0.1	0.2	<0.1	21	0.32	0.010
117046	Soil	0.6	29.9	5.7	40	<0.1	30.4	11.5	302	1.87	5.1	0.8	1.7	4.2	27	<0.1	0.4	<0.1	40	0.28	0.006
117047	Soil	0.3	59.2	4.9	46	<0.1	44.9	17.9	377	2.34	3.3	0.8	6.7	3.7	35	<0.1	0.3	<0.1	50	0.55	0.037
117048	Soil	0.7	45.4	4.7	46	<0.1	44.9	16.9	457	2.19	3.6	1.2	3.4	3.1	33	<0.1	0.3	<0.1	42	0.56	0.034
117049	Soil	0.7	26.2	10.5	65	0.1	24.3	8.8	237	2.40	7.5	1.2	9.6	3.9	26	0.2	0.6	0.2	45	0.32	0.056
117050	Soil	1.1	30.5	10.3	65	0.1	28.5	9.5	325	2.57	8.9	1.2	2.4	6.0	27	0.1	0.7	0.2	49	0.34	0.060
117051	Soil	0.6	10.2	20.2	18	<0.1	9.2	2.4	222	0.70	2.7	1.2	2.6	13.3	14	<0.1	0.2	1.6	12	0.15	0.030



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
116164	Soil	17	59	1.42	375	0.156	<1	2.37	0.008	0.63	0.1	<0.01	2.5	0.4	<0.05	6	<0.5
116165	Soil	12	46	0.77	235	0.089	<1	1.73	0.006	0.21	0.2	0.02	2.0	0.2	<0.05	5	<0.5
116166	Soil	4	41	0.65	208	0.075	<1	1.03	0.010	0.20	0.1	0.01	1.2	<0.1	<0.05	3	<0.5
116167	Soil	2	86	1.40	308	0.151	<1	1.98	0.010	0.39	<0.1	<0.01	2.3	0.1	<0.05	4	<0.5
116168	Soil	5	210	2.65	167	0.213	<1	2.94	0.004	0.35	<0.1	<0.01	4.3	0.2	<0.05	6	<0.5
116169	Soil	11	19	0.45	156	0.064	1	1.28	0.004	0.18	0.1	<0.01	1.4	0.2	<0.05	4	<0.5
116170	Soil	4	52	2.07	359	0.249	<1	2.80	0.007	1.16	<0.1	<0.01	1.8	0.4	<0.05	7	<0.5
116171	Soil	23	16	0.43	129	0.087	<1	0.97	0.002	0.21	<0.1	<0.01	1.5	0.2	<0.05	3	<0.5
116172	Soil	<1	10	0.84	227	0.122	<1	1.31	0.035	0.35	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5
116173	Soil	19	31	0.79	227	0.125	<1	1.54	0.003	0.27	0.1	0.01	3.1	0.2	<0.05	5	0.7
116174	Soil	11	56	1.75	128	0.058	<1	2.78	0.004	0.06	<0.1	<0.01	7.2	<0.1	<0.05	9	0.8
116175	Soil	5	59	1.61	112	0.148	<1	2.25	0.011	0.07	0.1	<0.01	6.1	<0.1	<0.05	6	<0.5
116176	Soil	11	27	1.34	265	0.178	<1	2.23	0.005	0.39	0.1	<0.01	4.4	0.2	<0.05	8	<0.5
116177	Soil	6	161	2.80	159	0.235	<1	3.84	0.005	0.06	<0.1	0.01	11.8	0.2	<0.05	13	0.8
116178	Soil	9	94	1.77	378	0.175	<1	2.80	0.006	0.47	0.1	0.01	4.6	0.3	<0.05	10	<0.5
117037	Soil	7	668	4.37	985	0.249	<1	4.17	0.007	1.08	<0.1	<0.01	15.6	0.8	<0.05	13	0.5
117038	Soil	14	43	1.70	177	0.094	<1	2.06	0.004	0.16	<0.1	<0.01	3.7	0.1	<0.05	7	<0.5
117039	Soil	26	39	1.80	228	0.022	<1	2.50	0.005	0.07	<0.1	<0.01	5.8	0.1	<0.05	8	0.8
117040	Soil	31	37	1.85	261	0.017	<1	2.73	0.005	0.06	<0.1	<0.01	6.9	0.1	<0.05	9	0.7
117041	Soil	18	188	3.05	250	0.091	<1	3.46	0.002	0.23	<0.1	<0.01	11.0	0.2	<0.05	10	0.7
117042	Soil	23	119	3.04	201	0.083	<1	3.27	0.003	0.18	<0.1	0.02	10.9	0.3	<0.05	9	0.6
117043	Soil	6	135	2.16	566	0.202	<1	2.27	0.007	0.60	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5
117044	Soil	11	161	2.57	345	0.163	<1	2.73	0.005	0.08	0.1	<0.01	5.5	0.1	<0.05	7	<0.5
117045	Soil	4	22	0.99	154	0.118	<1	1.00	0.003	0.03	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5
117046	Soil	10	39	1.14	262	0.121	<1	1.63	0.005	0.04	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5
117047	Soil	7	66	1.69	263	0.163	<1	2.04	0.005	0.09	<0.1	<0.01	2.8	0.1	<0.05	5	<0.5
117048	Soil	7	66	1.58	322	0.099	<1	1.88	0.006	0.08	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5
117049	Soil	16	35	0.62	352	0.054	<1	1.62	0.009	0.05	0.2	0.04	3.6	<0.1	<0.05	5	<0.5
117050	Soil	17	42	0.73	342	0.072	<1	1.59	0.011	0.07	0.2	0.03	4.1	<0.1	<0.05	5	0.7
117051	Soil	24	12	0.20	100	0.022	<1	0.50	0.004	0.09	<0.1	<0.01	1.3	<0.1	<0.05	2	<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
117052	Soil	0.8	24.9	12.7	46	<0.1	17.5	7.5	214	1.92	6.1	1.4	5.3	8.9	25	<0.1	0.4	0.8	36	0.33	0.040
117053	Soil	0.4	23.4	6.6	32	<0.1	37.8	9.9	288	1.38	2.2	1.0	1.8	6.5	26	<0.1	0.1	0.1	26	0.37	0.062
117054	Soil	0.3	55.2	2.2	38	<0.1	111.5	22.7	365	2.53	2.1	0.7	2.6	2.1	50	<0.1	<0.1	<0.1	52	0.80	0.224
117055	Soil	0.2	8.9	12.3	8	<0.1	3.8	2.1	173	0.47	1.8	1.1	2.0	13.5	16	<0.1	<0.1	1.9	9	0.20	0.025
117056	Soil	0.2	43.8	1.6	57	<0.1	22.9	18.5	367	3.11	1.7	0.4	2.5	1.8	56	<0.1	0.1	<0.1	52	0.63	0.080
117057	Soil	0.3	21.0	8.3	25	<0.1	12.7	7.0	206	1.29	1.8	0.8	1.9	5.5	27	<0.1	<0.1	0.3	26	0.40	0.042
117058	Soil	0.3	35.4	12.8	47	<0.1	17.2	10.8	252	2.19	2.8	0.6	1.5	6.2	38	<0.1	0.2	3.0	40	0.47	0.024
117059	Soil	0.4	16.6	8.9	16	<0.1	8.4	3.3	143	0.75	2.7	1.2	3.5	11.8	15	<0.1	0.2	0.2	17	0.16	0.014
117060	Soil	0.6	29.8	8.4	36	<0.1	22.6	9.4	397	1.66	2.9	0.9	3.5	7.1	23	<0.1	0.2	0.3	35	0.37	0.063
117061	Soil	2.3	50.2	13.2	95	0.2	42.2	9.2	492	2.90	6.7	2.3	2.8	6.1	23	0.2	0.4	0.2	46	0.35	0.061
117062	Soil	2.5	49.2	12.5	97	0.3	44.7	11.7	750	3.19	5.1	2.1	2.1	6.5	26	0.2	0.4	0.2	52	0.43	0.075
117063	Soil	3.8	97.2	23.5	145	0.2	74.8	25.1	1502	4.25	4.0	2.0	1.9	10.8	20	0.2	0.2	0.3	46	0.43	0.104
117064	Soil	2.0	20.0	10.1	112	<0.1	27.4	9.1	1167	4.39	2.1	1.3	1.7	10.2	77	0.2	0.2	0.1	28	0.62	0.170
117065	Soil	1.1	41.7	10.5	100	<0.1	20.3	7.2	539	3.10	1.4	1.3	0.6	15.0	13	0.3	0.2	0.2	30	0.31	0.066
117066	Soil	1.5	37.0	11.2	75	0.1	34.8	10.6	502	3.21	6.4	1.8	2.4	6.1	32	<0.1	0.5	0.2	57	0.44	0.051
117067	Soil	0.6	18.8	7.9	36	<0.1	22.0	5.5	319	1.22	2.1	1.2	2.3	16.2	23	<0.1	0.2	0.1	17	0.27	0.048
117068	Soil	4.3	57.8	13.8	121	0.1	83.2	23.6	1325	5.17	1.9	1.3	3.2	10.6	25	0.4	0.3	0.2	74	0.45	0.097
117069	Soil	3.6	62.5	12.4	116	<0.1	37.2	12.5	635	4.04	1.9	2.6	2.9	6.3	26	0.2	0.2	0.1	65	0.35	0.066
117070	Soil	1.9	36.0	18.6	93	0.2	32.5	11.5	478	3.35	3.8	2.5	3.3	9.0	24	0.2	0.4	0.2	57	0.39	0.042
117071	Soil	3.6	71.2	12.7	142	0.3	72.7	27.0	1366	5.35	11.3	1.7	2.3	12.9	23	0.9	0.3	0.1	69	0.47	0.131
117072	Soil	4.0	64.0	15.6	142	0.4	60.4	18.9	998	4.41	2.3	1.4	2.3	10.0	23	0.7	0.3	0.2	62	0.46	0.095
117073	Soil	1.8	36.8	19.9	123	<0.1	17.0	8.7	478	3.63	1.7	2.5	0.8	9.0	34	0.9	0.2	0.2	45	0.45	0.064
117074	Soil	3.9	67.4	17.4	130	0.3	42.5	14.0	638	4.06	0.7	1.4	1.9	12.0	21	0.3	<0.1	0.7	46	0.55	0.132
117075	Soil	0.9	31.6	66.9	71	0.4	13.0	6.9	355	2.66	0.8	1.4	2.4	14.3	14	0.1	<0.1	3.6	30	0.32	0.084
117076	Soil	0.5	13.2	6.3	44	<0.1	10.7	4.7	181	1.70	3.5	1.7	1.0	7.1	24	<0.1	0.3	<0.1	20	0.15	0.026
117077	Soil	0.7	40.4	5.2	69	<0.1	22.4	13.5	511	2.89	1.4	1.4	1.3	5.2	23	0.2	0.2	0.1	47	0.37	0.082
117078	Soil	0.2	3.7	9.7	33	0.2	4.2	1.4	207	0.62	<0.5	3.0	1.8	23.2	40	0.2	<0.1	<0.1	5	0.17	0.021
117079	Soil	0.4	23.3	15.9	76	0.1	101.1	19.5	851	3.49	0.8	1.0	1.1	6.1	56	0.2	<0.1	<0.1	64	0.89	0.084
117080	Soil	0.9	11.6	30.3	103	<0.1	11.2	4.0	210	2.09	8.5	2.1	1.3	17.9	10	0.2	0.4	0.3	23	0.08	0.029
117081	Soil	1.0	20.9	22.9	108	<0.1	13.7	7.9	466	2.53	2.2	3.1	1.9	15.1	32	0.3	0.2	0.3	26	0.33	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	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
117052	Soil	20	28	0.65	223	0.064	<1	1.27	0.007	0.07	0.2	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
117053	Soil	9	48	0.98	147	0.090	<1	1.12	0.004	0.21	<0.1	<0.01	2.0	0.2	<0.05	3	<0.5	<0.2
117054	Soil	4	159	2.34	190	0.124	<1	2.25	0.005	0.32	<0.1	<0.01	2.9	0.2	<0.05	5	<0.5	<0.2
117055	Soil	20	5	0.15	84	0.018	<1	0.39	0.006	0.08	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
117056	Soil	3	26	2.51	227	0.120	<1	2.49	0.003	0.31	<0.1	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
117057	Soil	9	16	0.90	182	0.083	<1	1.05	0.004	0.24	<0.1	<0.01	1.8	0.2	<0.05	2	<0.5	<0.2
117058	Soil	17	18	1.47	285	0.135	<1	1.87	0.004	0.23	<0.1	<0.01	1.8	0.2	<0.05	4	<0.5	<0.2
117059	Soil	14	12	0.24	116	0.028	<1	0.61	0.003	0.05	<0.1	<0.01	1.8	<0.1	<0.05	2	<0.5	<0.2
117060	Soil	12	25	0.82	187	0.046	<1	1.17	0.004	0.14	0.1	<0.01	2.7	0.1	<0.05	3	<0.5	<0.2
117061	Soil	20	52	1.05	346	0.049	<1	1.88	0.007	0.04	0.1	0.02	4.2	<0.1	<0.05	6	0.6	<0.2
117062	Soil	23	60	1.24	460	0.046	2	2.39	0.008	0.06	<0.1	0.03	5.1	<0.1	0.19	6	<0.5	<0.2
117063	Soil	26	86	1.76	144	0.039	<1	2.54	0.003	0.06	<0.1	0.02	4.2	<0.1	0.09	7	<0.5	<0.2
117064	Soil	30	19	1.31	365	0.131	<1	2.19	0.005	0.77	<0.1	0.02	4.0	0.2	0.06	7	<0.5	<0.2
117065	Soil	32	30	1.09	179	0.045	<1	1.61	0.004	0.15	<0.1	0.01	3.8	0.3	<0.05	6	<0.5	<0.2
117066	Soil	19	47	1.09	449	0.052	<1	2.15	0.008	0.07	0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
117067	Soil	33	27	0.53	142	0.043	1	0.85	0.004	0.13	<0.1	0.02	2.1	0.1	<0.05	2	<0.5	<0.2
117068	Soil	30	135	2.69	194	0.075	<1	3.11	0.005	0.13	<0.1	0.02	6.2	0.2	<0.05	9	0.8	<0.2
117069	Soil	16	37	1.76	167	0.114	<1	2.31	0.004	0.06	<0.1	0.02	6.4	0.1	<0.05	7	0.9	<0.2
117070	Soil	22	58	1.44	201	0.094	<1	2.10	0.006	0.09	<0.1	0.03	5.6	0.2	<0.05	7	0.6	<0.2
117071	Soil	34	62	2.00	178	0.080	<1	2.53	0.003	0.16	<0.1	<0.01	5.2	0.2	<0.05	8	0.8	<0.2
117072	Soil	30	72	1.85	260	0.050	<1	2.53	0.006	0.12	<0.1	0.02	4.4	0.3	<0.05	7	<0.5	<0.2
117073	Soil	24	31	1.62	194	0.119	<1	2.36	0.005	0.10	<0.1	0.01	5.2	0.2	<0.05	8	<0.5	<0.2
117074	Soil	50	39	1.80	188	0.068	<1	2.18	0.004	0.13	<0.1	0.02	4.2	0.3	<0.05	6	1.0	<0.2
117075	Soil	55	25	0.85	387	0.080	<1	1.44	0.004	0.27	<0.1	0.03	3.8	0.3	<0.05	6	0.6	0.2
117076	Soil	13	16	0.52	90	0.121	<1	1.26	0.004	0.14	<0.1	<0.01	1.4	0.2	<0.05	4	<0.5	<0.2
117077	Soil	10	34	1.30	439	0.156	<1	1.87	0.007	0.88	<0.1	0.02	2.7	0.4	<0.05	5	<0.5	<0.2
117078	Soil	44	4	0.21	175	0.018	<1	0.62	0.005	0.17	<0.1	0.01	2.0	0.2	<0.05	2	<0.5	<0.2
117079	Soil	12	173	2.55	766	0.162	<1	3.80	0.011	0.84	0.1	0.01	5.0	0.4	<0.05	10	<0.5	<0.2
117080	Soil	31	16	0.61	96	0.030	<1	1.57	0.003	0.17	<0.1	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
117081	Soil	31	24	1.41	473	0.162	<1	2.05	0.007	0.54	0.1	0.01	4.1	0.5	<0.05	7	<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
117082	Soil	2.2	43.9	10.3	102	<0.1	96.0	26.2	1291	4.62	2.4	0.8	1.0	3.6	18	0.3	0.1	<0.1	171	0.44	0.142
117083	Soil	0.3	5.3	23.4	44	<0.1	7.8	3.5	396	0.92	0.7	2.4	0.7	13.5	25	0.1	<0.1	0.2	7	0.18	0.042
117084	Soil	0.5	12.4	10.2	63	<0.1	21.5	7.6	395	1.86	1.2	1.5	0.8	7.0	26	<0.1	<0.1	<0.1	19	0.30	0.090
117085	Soil	0.8	12.8	23.9	75	<0.1	12.7	5.9	355	2.23	3.9	2.2	1.3	14.1	13	<0.1	0.1	0.1	26	0.18	0.062
117086	Soil	0.4	10.1	24.8	53	<0.1	9.6	4.3	227	1.47	0.9	2.3	<0.5	13.2	33	0.1	<0.1	0.3	13	0.27	0.073
117087	Soil	0.4	9.2	33.2	51	<0.1	9.3	4.2	249	1.09	3.1	2.6	1.1	17.7	28	0.1	0.1	0.2	11	0.14	0.023
117088	Soil	0.5	16.7	28.3	67	<0.1	16.7	7.2	504	2.05	3.2	2.0	2.1	13.5	30	<0.1	0.1	0.2	21	0.27	0.047
117089	Soil	1.0	16.3	20.7	57	<0.1	16.3	7.0	214	2.26	10.5	1.0	13.3	9.2	10	<0.1	0.7	0.2	40	0.07	0.018
117090	Soil	1.1	17.1	23.6	55	<0.1	17.8	7.0	212	2.16	10.8	1.6	4.0	13.2	12	<0.1	0.7	0.3	38	0.08	0.013
117091	Soil	0.6	13.3	33.4	75	<0.1	12.9	5.6	210	1.94	5.1	2.0	1.0	15.0	17	0.1	0.3	0.2	22	0.13	0.013
117092	Soil	1.1	7.3	10.7	42	<0.1	9.1	3.7	163	1.76	7.8	0.9	1.0	8.0	8	<0.1	0.5	0.3	28	0.06	0.021
117093	Soil	1.0	9.4	26.5	67	<0.1	11.7	4.3	139	1.13	4.6	1.8	1.1	17.7	9	0.1	0.3	0.4	16	0.05	0.011
117094	Soil	0.7	8.5	14.6	48	<0.1	6.9	1.8	99	0.93	3.1	1.4	1.3	12.1	10	<0.1	0.2	0.2	11	0.06	0.006
117095	Soil	0.3	9.3	27.1	61	<0.1	6.8	2.9	163	0.98	1.3	3.0	2.4	33.3	12	0.1	0.1	0.2	8	0.09	0.012
117096	Soil	0.8	44.0	11.8	176	<0.1	29.8	14.2	769	4.83	2.7	2.6	4.0	8.9	41	0.5	0.3	<0.1	101	0.50	0.090
117097	Soil	0.9	95.9	7.5	111	<0.1	54.9	19.6	626	4.27	1.2	1.3	3.0	5.3	21	0.2	0.1	<0.1	108	0.44	0.078
117098	Soil	0.3	107.7	4.2	42	<0.1	159.2	31.3	1394	2.49	1.2	0.3	<0.5	0.4	20	0.2	0.1	<0.1	60	0.32	0.061
117099	Soil	2.4	109.4	5.3	86	<0.1	112.8	44.1	763	5.41	1.9	0.4	<0.5	1.9	12	<0.1	0.1	<0.1	122	0.43	0.155
117100	Soil	0.5	94.4	4.3	82	<0.1	82.4	29.9	955	3.99	1.1	0.7	2.4	3.0	22	0.1	<0.1	<0.1	102	0.63	0.098
117101	Soil	0.6	61.9	4.7	87	<0.1	92.5	20.8	607	3.17	1.1	0.5	<0.5	2.9	23	<0.1	<0.1	<0.1	65	0.54	0.084



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
117082	Soil	8	193	2.64	594	0.241	<1	3.51	0.014	0.88	0.1	0.01	10.4	0.4	<0.05	11	0.6	<0.2
117083	Soil	28	7	0.47	105	0.056	<1	0.81	0.002	0.21	<0.1	<0.01	1.3	0.2	<0.05	3	<0.5	<0.2
117084	Soil	13	35	1.04	125	0.117	<1	1.45	0.003	0.57	<0.1	<0.01	1.6	0.5	<0.05	5	<0.5	<0.2
117085	Soil	26	27	0.91	56	0.065	<1	1.60	0.002	0.08	<0.1	<0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
117086	Soil	29	16	0.76	112	0.101	<1	1.27	0.003	0.31	<0.1	0.01	1.8	0.3	<0.05	4	<0.5	<0.2
117087	Soil	30	14	0.48	82	0.054	<1	1.02	0.003	0.16	<0.1	0.02	1.4	0.2	<0.05	3	<0.5	<0.2
117088	Soil	26	26	1.02	210	0.090	<1	1.40	0.004	0.15	<0.1	<0.01	3.0	0.2	<0.05	6	0.5	<0.2
117089	Soil	15	25	0.41	136	0.050	1	1.59	0.005	0.06	0.2	0.02	1.9	0.1	<0.05	4	0.6	<0.2
117090	Soil	22	26	0.44	154	0.058	1	1.60	0.005	0.08	0.1	0.02	2.3	0.1	<0.05	4	0.8	<0.2
117091	Soil	23	18	0.76	135	0.071	1	1.75	0.005	0.11	<0.1	<0.01	2.2	0.2	<0.05	6	<0.5	<0.2
117092	Soil	12	17	0.24	69	0.027	<1	0.97	0.002	0.05	0.2	0.01	1.3	0.1	<0.05	4	<0.5	<0.2
117093	Soil	22	15	0.36	108	0.016	<1	1.24	0.004	0.08	<0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
117094	Soil	12	10	0.27	89	0.016	<1	1.02	0.003	0.07	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
117095	Soil	80	13	0.62	146	0.022	2	1.12	0.004	0.13	<0.1	<0.01	1.9	0.2	0.06	4	0.6	<0.2
117096	Soil	29	44	1.61	417	0.171	1	3.04	0.009	0.83	<0.1	0.02	6.9	0.5	0.06	9	1.0	<0.2
117097	Soil	11	95	2.01	656	0.159	<1	2.63	0.012	0.59	<0.1	<0.01	4.2	0.3	<0.05	9	0.8	<0.2
117098	Soil	<1	194	1.46	212	0.069	<1	1.48	0.006	0.08	<0.1	<0.01	6.6	<0.1	<0.05	4	<0.5	<0.2
117099	Soil	4	148	2.07	287	0.135	<1	2.82	0.007	0.56	<0.1	<0.01	5.9	0.4	<0.05	7	0.8	<0.2
117100	Soil	6	135	2.27	262	0.173	<1	2.62	0.008	0.36	<0.1	<0.01	6.6	0.2	<0.05	8	0.7	<0.2
117101	Soil	7	136	2.21	579	0.176	<1	2.40	0.008	0.52	<0.1	<0.01	3.1	0.2	<0.05	6	<0.5	<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																					
114090	Soil	3.3	95.3	7.4	100	<0.1	62.5	18.1	602	3.66	1.7	1.6	1.5	12.6	14	0.5	0.1	0.2	85	0.31	0.115
REP 114090	QC	3.2	93.8	7.6	97	<0.1	62.9	17.8	574	3.60	1.7	1.7	0.8	12.7	15	0.6	0.2	0.2	84	0.33	0.126
115054	Soil	0.6	31.0	11.6	87	0.1	19.6	6.6	604	2.80	3.7	1.0	<0.5	7.3	5	<0.1	0.2	0.2	27	0.07	0.018
REP 115054	QC	0.6	31.2	11.4	86	0.1	19.7	6.6	612	2.74	3.7	1.0	<0.5	7.3	5	<0.1	0.2	0.2	28	0.08	0.018
115070	Soil	0.5	72.9	10.2	47	<0.1	19.0	13.7	771	3.51	6.7	0.5	<0.5	5.4	8	<0.1	0.2	0.3	77	0.11	0.012
REP 115070	QC	0.6	74.1	9.9	48	<0.1	19.1	14.2	779	3.49	6.7	0.5	<0.5	5.2	8	<0.1	0.2	0.3	75	0.10	0.012
115080	Soil	0.3	8.6	7.5	26	<0.1	6.7	2.5	111	1.18	3.7	1.1	<0.5	5.4	9	<0.1	0.2	0.1	7	0.07	0.009
REP 115080	QC	0.3	8.8	7.6	25	<0.1	7.1	2.4	116	1.18	3.4	1.0	<0.5	5.3	9	<0.1	0.2	<0.1	9	0.07	0.010
115102	Soil	0.9	34.5	12.4	63	0.4	15.0	8.1	268	2.42	4.9	0.9	0.7	4.4	31	0.2	0.2	0.1	46	0.20	0.034
REP 115102	QC	1.0	33.9	11.9	59	0.3	14.7	7.7	266	2.32	4.6	0.8	<0.5	4.2	29	0.1	0.2	0.1	45	0.18	0.036
115118	Soil	4.4	31.9	12.9	89	0.4	31.2	8.4	320	3.40	7.0	1.0	2.1	2.7	14	0.3	0.4	0.2	79	0.12	0.044
REP 115118	QC	4.6	33.8	12.8	95	0.3	32.7	9.1	325	3.48	7.5	1.0	1.0	2.7	15	0.3	0.4	0.3	81	0.12	0.046
115139	Soil	0.3	45.4	6.1	60	<0.1	58.4	16.6	242	2.22	2.9	1.4	<0.5	11.0	40	<0.1	0.3	0.2	31	0.45	0.064
REP 115139	QC	0.3	46.9	6.0	63	<0.1	58.6	17.0	247	2.24	2.9	1.4	<0.5	10.8	41	<0.1	0.2	0.1	31	0.46	0.061
115145	Soil	2.2	32.4	14.4	85	0.4	23.1	10.5	393	3.26	14.5	1.2	3.7	4.6	11	0.2	0.9	0.3	77	0.10	0.065
REP 115145	QC	2.3	31.1	15.8	82	0.4	21.7	10.1	373	3.16	13.9	1.2	1.6	4.8	11	0.3	0.9	0.3	74	0.10	0.060
116060	Soil	0.5	44.8	16.5	94	<0.1	28.8	10.5	391	2.50	7.3	1.0	1.0	10.7	9	<0.1	0.4	0.2	41	0.09	0.023
REP 116060	QC	0.6	45.2	16.1	90	<0.1	27.6	10.1	378	2.52	7.2	1.0	0.8	10.2	9	0.1	0.4	0.2	40	0.09	0.023
116075	Soil	0.3	51.6	7.6	70	<0.1	20.1	18.7	502	4.22	0.9	0.6	0.8	2.9	4	<0.1	0.2	0.1	97	0.06	0.021
REP 116075	QC	0.3	49.6	7.2	68	<0.1	19.3	18.5	488	4.09	1.3	0.6	5.2	2.9	4	<0.1	0.2	0.1	93	0.06	0.020
116085	Soil	0.4	25.3	3.8	87	<0.1	13.2	12.2	488	3.71	1.2	0.8	<0.5	1.8	26	<0.1	0.2	<0.1	61	0.23	0.040
REP 116085	QC	0.5	23.3	3.7	82	<0.1	12.5	11.4	479	3.55	1.4	0.8	<0.5	1.8	27	<0.1	0.2	<0.1	58	0.23	0.041
116100	Soil	0.2	27.4	7.0	37	<0.1	4.0	6.8	264	1.61	<0.5	0.9	<0.5	5.7	15	<0.1	<0.1	<0.1	9	0.19	0.054
REP 116100	QC	0.2	28.5	7.3	39	<0.1	4.0	6.9	269	1.68	<0.5	1.0	2.5	6.1	15	<0.1	<0.1	<0.1	9	0.20	0.060
116125	Soil	0.5	10.4	12.5	50	<0.1	14.7	5.8	147	1.83	1.0	1.7	<0.5	16.4	6	<0.1	0.1	0.2	14	0.08	0.031
REP 116125	QC	0.5	10.1	12.3	49	<0.1	13.0	5.4	124	1.71	0.6	1.7	32.7	16.6	6	<0.1	0.1	0.2	13	0.08	0.030
116138	Soil	0.2	18.3	1.7	36	<0.1	6.4	10.5	135	2.54	2.9	0.2	2.3	0.6	11	<0.1	0.1	<0.1	89	0.37	0.120
REP 116138	QC	0.3	18.1	1.7	36	<0.1	6.3	10.1	133	2.42	2.8	0.2	1.3	0.6	11	<0.1	0.1	<0.1	90	0.41	0.128



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Aussie-Melba

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Part 2

QUALITY CONTROL REPORT

WHI11000248.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
114090	Soil	16	73	2.04	165	0.109	1	2.17	0.003	0.39	<0.1	0.02	7.6	0.5	<0.05	6	1.5	<0.2
REP 114090	QC	16	72	2.02	158	0.105	1	2.17	0.004	0.37	<0.1	0.02	7.3	0.5	<0.05	6	1.5	<0.2
115054	Soil	6	34	1.87	188	0.055	2	2.35	0.003	0.04	<0.1	<0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
REP 115054	QC	6	35	1.89	186	0.056	1	2.30	0.003	0.04	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
115070	Soil	8	30	1.48	181	0.051	1	2.13	0.002	0.07	0.1	0.01	5.4	<0.1	<0.05	7	<0.5	<0.2
REP 115070	QC	8	29	1.50	176	0.049	<1	2.09	0.002	0.07	0.1	0.01	5.4	<0.1	<0.05	7	0.6	<0.2
115080	Soil	14	5	0.14	143	0.027	<1	0.63	0.002	0.14	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
REP 115080	QC	14	5	0.14	141	0.027	<1	0.66	0.002	0.14	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
115102	Soil	7	13	0.73	449	0.090	<1	1.32	0.004	0.32	<0.1	<0.01	2.1	0.2	<0.05	4	<0.5	<0.2
REP 115102	QC	6	14	0.71	425	0.083	<1	1.27	0.004	0.30	<0.1	<0.01	1.8	0.2	<0.05	4	0.6	<0.2
115118	Soil	12	43	0.88	194	0.071	<1	2.24	0.006	0.05	<0.1	0.02	3.3	0.1	<0.05	7	0.9	<0.2
REP 115118	QC	12	46	0.91	201	0.072	<1	2.31	0.004	0.05	0.1	0.02	3.3	0.1	<0.05	7	0.7	<0.2
115139	Soil	23	49	1.11	306	0.208	<1	1.72	0.005	0.34	<0.1	0.01	4.1	0.2	0.21	4	<0.5	<0.2
REP 115139	QC	23	51	1.11	308	0.215	<1	1.74	0.005	0.34	<0.1	<0.01	3.8	0.2	0.17	4	<0.5	<0.2
115145	Soil	13	44	0.50	239	0.046	1	2.34	0.006	0.07	0.2	0.04	3.4	0.1	0.12	6	1.2	<0.2
REP 115145	QC	14	42	0.46	237	0.048	<1	2.19	0.006	0.07	0.2	0.04	3.1	0.1	<0.05	6	1.2	<0.2
116060	Soil	16	42	1.15	146	0.118	<1	1.72	0.003	0.24	<0.1	0.02	3.4	0.2	<0.05	4	0.6	<0.2
REP 116060	QC	15	41	1.14	145	0.116	<1	1.75	0.003	0.23	<0.1	0.02	3.4	0.2	<0.05	4	0.8	<0.2
116075	Soil	17	26	2.29	122	0.091	<1	2.70	0.002	0.09	<0.1	<0.01	7.5	0.1	<0.05	7	0.6	<0.2
REP 116075	QC	17	27	2.27	117	0.091	<1	2.70	0.002	0.08	<0.1	0.02	7.4	<0.1	<0.05	7	<0.5	<0.2
116085	Soil	3	35	1.47	380	0.110	<1	2.13	0.004	0.38	<0.1	0.01	4.0	0.2	<0.05	6	<0.5	<0.2
REP 116085	QC	3	33	1.45	367	0.105	<1	2.08	0.004	0.37	<0.1	0.01	3.7	0.2	<0.05	6	<0.5	<0.2
116100	Soil	11	5	0.38	89	0.083	<1	0.82	0.002	0.37	<0.1	<0.01	1.3	0.2	<0.05	3	<0.5	<0.2
REP 116100	QC	12	5	0.41	93	0.088	<1	0.89	0.002	0.39	<0.1	<0.01	1.4	0.2	<0.05	3	<0.5	<0.2
116125	Soil	33	57	0.49	75	0.029	<1	1.30	0.001	0.12	<0.1	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
REP 116125	QC	33	54	0.47	70	0.028	<1	1.23	0.003	0.12	0.3	<0.01	1.9	0.2	<0.05	5	<0.5	<0.2
116138	Soil	2	6	0.81	182	0.074	<1	1.28	0.020	0.18	<0.1	<0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
REP 116138	QC	2	6	0.77	172	0.074	<1	1.28	0.022	0.17	<0.1	<0.01	3.8	<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
		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
116155	Soil	2.4	29.8	6.6	70	0.3	50.7	11.3	426	3.05	4.3	1.3	1.6	6.1	8	0.2	0.2	0.1	66	0.13
REP 116155	QC	2.3	31.1	6.7	72	0.3	49.9	11.4	424	3.07	4.4	1.4	1.6	6.6	9	0.2	0.1	0.1	66	0.14
117039	Soil	0.9	82.8	13.4	123	0.1	44.4	16.2	667	4.29	8.4	1.4	1.4	11.4	11	0.4	0.4	0.2	75	0.28
REP 117039	QC	0.9	82.2	13.5	121	<0.1	43.2	16.3	651	4.27	8.6	1.4	1.1	11.5	12	0.4	0.4	0.2	74	0.30
117047	Soil	0.3	59.2	4.9	46	<0.1	44.9	17.9	377	2.34	3.3	0.8	6.7	3.7	35	<0.1	0.3	<0.1	50	0.55
REP 117047	QC	0.3	58.6	5.0	47	<0.1	46.2	18.7	390	2.39	3.3	0.8	6.5	3.6	35	<0.1	0.3	<0.1	51	0.55
117063	Soil	3.8	97.2	23.5	145	0.2	74.8	25.1	1502	4.25	4.0	2.0	1.9	10.8	20	0.2	0.2	0.3	46	0.43
REP 117063	QC	4.0	91.3	21.9	134	0.2	72.3	23.4	1401	3.87	3.8	1.9	2.1	10.2	18	0.3	0.1	0.3	43	0.39
117081	Soil	1.0	20.9	22.9	108	<0.1	13.7	7.9	466	2.53	2.2	3.1	1.9	15.1	32	0.3	0.2	0.3	26	0.33
REP 117081	QC	0.8	21.4	22.1	108	<0.1	14.1	7.9	463	2.57	2.1	3.1	1.5	15.0	32	0.3	0.1	0.2	25	0.33
117100	Soil	0.5	94.4	4.3	82	<0.1	82.4	29.9	955	3.99	1.1	0.7	2.4	3.0	22	0.1	<0.1	<0.1	102	0.63
REP 117100	QC	0.6	94.7	4.4	84	0.1	81.5	30.3	977	4.00	0.9	0.7	0.7	3.1	23	0.1	<0.1	<0.1	103	0.64
Reference Materials																				
STD DS8	Standard	12.2	111.2	128.8	308	1.7	39.0	7.5	580	2.39	25.3	2.7	105.4	6.6	54	2.2	4.7	5.9	42	0.63
STD DS8	Standard	14.6	122.2	137.9	356	1.9	41.7	8.4	662	2.64	29.0	3.2	118.2	7.7	62	2.5	5.6	6.5	46	0.75
STD DS8	Standard	12.9	113.2	128.3	313	1.7	38.7	7.5	625	2.56	27.2	2.7	120.4	6.6	65	2.5	6.1	7.2	41	0.66
STD DS8	Standard	14.2	116.0	129.8	326	1.8	40.3	8.0	638	2.61	28.0	2.8	122.2	7.1	72	2.6	6.4	7.3	43	0.72
STD DS8	Standard	13.4	111.5	116.8	312	1.7	38.4	7.7	609	2.42	27.5	2.4	131.7	6.6	58	2.1	4.8	5.7	40	0.68
STD DS8	Standard	12.8	114.4	116.5	317	1.7	38.9	7.9	621	2.52	26.6	2.3	142.7	6.6	58	2.3	4.9	5.6	42	0.68
STD DS8	Standard	13.4	113.4	127.9	326	1.8	38.6	7.8	607	2.42	27.1	2.9	117.0	6.8	69	2.5	6.0	6.9	43	0.66
STD DS8	Standard	13.9	116.7	127.5	326	1.8	37.4	7.8	620	2.44	27.5	2.9	140.6	7.1	67	2.5	6.0	7.1	43	0.68
STD DS8	Standard	13.0	111.6	129.4	321	1.9	38.9	7.7	584	2.41	26.1	2.9	133.2	7.0	56	2.5	5.2	5.9	41	0.65
STD DS8	Standard	13.6	113.2	127.9	320	2.0	38.1	7.6	591	2.39	26.7	2.9	122.7	7.1	55	2.6	5.0	6.1	41	0.65
STD DS8	Standard	14.1	111.6	126.6	326	1.9	40.3	7.8	676	2.55	27.2	3.0	110.8	8.0	76	2.6	6.0	6.8	45	0.77
STD DS8	Standard	14.4	107.3	127.2	307	1.7	37.3	7.5	655	2.51	27.1	3.0	107.8	7.9	78	2.5	5.8	6.8	45	0.73
STD DS8	Standard	13.9	122.1	135.2	331	1.9	39.9	8.3	616	2.47	28.4	3.1	125.6	7.5	70	2.7	6.6	6.9	45	0.69
STD DS8	Standard	14.1	119.1	131.4	326	1.9	41.5	8.2	620	2.53	28.5	3.1	104.8	7.6	69	2.6	6.1	6.9	44	0.69
STD DS8	Standard	14.3	118.7	129.1	342	1.9	41.0	8.1	680	2.66	28.4	3.0	115.5	7.7	76	2.5	6.1	6.8	46	0.77
STD DS8	Standard	14.7	118.1	132.4	334	1.9	41.8	8.3	661	2.74	28.7	3.0	106.0	7.4	77	2.3	6.1	7.2	45	0.75



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Part 2

QUALITY CONTROL REPORT

WHI11000248.1

		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
116155	Soil	12	99	1.28	309	0.141	<1	2.14	0.006	0.41	<0.1	0.01	5.1	0.2	<0.05	8	1.1	<0.2
REP 116155	QC	13	97	1.28	298	0.141	<1	2.21	0.006	0.40	<0.1	0.01	5.2	0.2	<0.05	8	<0.5	<0.2
117039	Soil	26	39	1.80	228	0.022	<1	2.50	0.005	0.07	<0.1	<0.01	5.8	0.1	<0.05	8	0.8	<0.2
REP 117039	QC	26	38	1.76	230	0.022	<1	2.50	0.005	0.07	<0.1	<0.01	5.8	0.1	<0.05	8	0.6	<0.2
117047	Soil	7	66	1.69	263	0.163	<1	2.04	0.005	0.09	<0.1	<0.01	2.8	0.1	<0.05	5	<0.5	<0.2
REP 117047	QC	7	68	1.76	264	0.171	<1	2.00	0.006	0.09	<0.1	<0.01	3.0	0.1	<0.05	5	<0.5	<0.2
117063	Soil	26	86	1.76	144	0.039	<1	2.54	0.003	0.06	<0.1	0.02	4.2	<0.1	0.09	7	<0.5	<0.2
REP 117063	QC	24	80	1.63	136	0.037	<1	2.30	0.003	0.06	<0.1	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2
117081	Soil	31	24	1.41	473	0.162	<1	2.05	0.007	0.54	0.1	0.01	4.1	0.5	<0.05	7	<0.5	<0.2
REP 117081	QC	30	24	1.39	483	0.163	<1	2.04	0.007	0.52	<0.1	0.02	4.2	0.5	<0.05	7	<0.5	<0.2
117100	Soil	6	135	2.27	262	0.173	<1	2.62	0.008	0.36	<0.1	<0.01	6.6	0.2	<0.05	8	0.7	<0.2
REP 117100	QC	6	137	2.23	268	0.174	<1	2.62	0.010	0.37	<0.1	<0.01	6.7	0.2	<0.05	8	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	12	116	0.59	256	0.100	3	0.87	0.083	0.38	3.0	0.20	1.7	5.4	0.17	4	5.6	4.6
STD DS8	Standard	15	129	0.67	301	0.114	3	0.97	0.100	0.45	3.3	0.21	2.1	5.9	0.16	5	6.5	5.1
STD DS8	Standard	13	114	0.62	278	0.106	3	0.92	0.087	0.42	3.0	0.20	2.3	6.2	0.17	4	5.7	5.9
STD DS8	Standard	15	120	0.62	300	0.114	3	0.94	0.094	0.43	3.3	0.21	2.4	6.5	0.13	5	5.9	5.6
STD DS8	Standard	14	116	0.61	260	0.104	2	0.90	0.091	0.41	2.9	0.20	1.9	5.4	0.16	5	5.4	5.1
STD DS8	Standard	14	120	0.58	270	0.105	2	0.87	0.084	0.42	3.1	0.21	1.9	5.4	0.13	5	5.4	5.3
STD DS8	Standard	14	118	0.64	282	0.120	4	0.93	0.088	0.43	3.1	0.19	2.3	5.7	0.18	5	4.9	5.2
STD DS8	Standard	15	117	0.63	284	0.125	4	0.94	0.092	0.43	3.2	0.18	2.3	5.7	0.17	5	5.4	5.1
STD DS8	Standard	13	115	0.59	280	0.102	2	0.86	0.083	0.41	3.0	0.21	2.0	5.9	0.20	5	5.0	5.0
STD DS8	Standard	13	116	0.62	287	0.103	3	0.88	0.089	0.42	3.2	0.23	2.1	5.9	0.21	5	4.8	4.6
STD DS8	Standard	19	124	0.65	296	0.134	2	0.99	0.105	0.45	3.0	0.24	2.4	5.7	0.15	5	5.8	4.9
STD DS8	Standard	19	121	0.60	300	0.129	3	0.98	0.103	0.43	3.0	0.22	2.1	5.4	0.08	5	4.9	5.2
STD DS8	Standard	15	121	0.63	301	0.124	2	0.93	0.088	0.42	3.1	0.20	2.4	5.6	0.17	5	5.9	5.6
STD DS8	Standard	16	122	0.64	293	0.128	2	0.93	0.095	0.42	3.1	0.20	2.4	5.5	0.17	5	5.3	5.3
STD DS8	Standard	17	128	0.68	298	0.132	3	1.07	0.108	0.48	3.2	0.19	2.4	5.4	0.22	5	5.5	5.4
STD DS8	Standard	17	127	0.68	301	0.133	3	1.06	0.107	0.45	3.1	0.22	2.5	5.4	0.23	5	5.7	4.7



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Project:

Aussie-Melba

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Part 1

QUALITY CONTROL REPORT

WHI11000248.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 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	13.6	121.9	133.5	352	2.0	42.7	8.0	672	2.71	30.2	2.8	116.9	7.0	73	2.6	6.2	7.4	47	0.73	0.092
STD DS8	Standard	13.3	117.6	135.4	329	2.0	39.2	7.8	625	2.56	29.0	2.9	111.3	6.9	72	2.5	5.8	7.3	43	0.69	0.084
STD DS8	Standard	14.7	122.6	133.0	322	1.9	41.7	8.4	622	2.45	25.9	2.8	117.9	8.0	56	2.2	4.8	5.4	45	0.71	0.081
STD DS8	Standard	12.5	101.4	134.5	347	2.1	33.9	7.2	685	2.76	27.8	2.9	129.4	7.3	63	2.4	5.2	6.0	49	0.75	0.086
STD DS8	Standard	13.2	108.4	132.4	321	1.8	39.2	7.5	652	2.55	26.8	2.9	103.9	7.2	74	2.2	5.7	6.9	40	0.70	0.087
STD DS8	Standard	13.3	105.1	133.7	325	1.9	40.5	7.7	678	2.68	27.1	2.8	107.9	7.1	73	2.4	5.9	7.0	41	0.72	0.082
STD DS8	Standard	12.1	109.4	124.6	322	1.7	39.2	7.8	607	2.43	26.8	2.6	109.6	6.1	57	2.3	4.7	6.1	40	0.62	0.080
STD DS8	Standard	12.3	109.3	120.4	314	1.7	38.1	7.7	604	2.48	27.0	2.6	117.0	6.0	60	2.5	4.9	6.2	41	0.65	0.080
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<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

WHI11000248.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS8	Standard	14	128	0.66	296	0.121	2	0.96	0.093	0.48	3.0	0.22	2.2	5.4	0.20	5	5.4	4.8
STD DS8	Standard	14	121	0.62	294	0.118	3	0.91	0.090	0.44	2.9	0.21	1.9	5.5	0.12	4	5.3	5.4
STD DS8	Standard	16	128	0.61	281	0.124	2	0.92	0.085	0.44	3.1	0.22	2.2	5.5	0.15	5	5.7	5.1
STD DS8	Standard	17	114	0.68	301	0.133	2	1.00	0.094	0.47	3.1	0.23	2.4	5.9	0.17	5	6.5	5.2
STD DS8	Standard	15	117	0.64	280	0.125	3	0.95	0.101	0.44	3.2	0.20	2.0	5.8	0.14	5	5.1	5.4
STD DS8	Standard	15	126	0.62	268	0.127	3	0.98	0.099	0.44	3.0	0.19	2.2	5.7	0.16	5	5.1	5.2
STD DS8	Standard	12	114	0.57	268	0.103	3	0.82	0.066	0.40	2.8	0.19	1.7	5.1	0.16	4	5.4	4.7
STD DS8	Standard	12	111	0.57	280	0.103	2	0.84	0.067	0.40	2.7	0.21	1.8	5.3	0.14	4	5.0	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<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 17, 2011

Report Date: June 28, 2011

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CERTIFICATE OF ANALYSIS

WHI11000249.1

CLIENT JOB INFORMATION

Project: Aussie-Melba
Shipment ID: 20110614090537
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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CERTIFICATE OF ANALYSIS

WHI11000249.1

	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
117102	Soil	1.2	48.6	10.7	108	<0.1	43.1	16.2	558	3.88	5.3	1.2	<0.5	5.2	25	0.2	0.7	0.1	76	0.42	0.084
117103	Soil	1.3	26.0	12.5	93	<0.1	32.6	12.7	337	3.53	4.6	0.7	<0.5	4.6	18	<0.1	0.4	0.1	65	0.24	0.040
117104	Soil	1.2	70.5	4.6	166	<0.1	56.7	12.4	208	3.05	0.9	0.6	<0.5	2.2	10	0.3	0.2	<0.1	77	0.27	0.088
117105	Soil	0.7	38.0	6.6	31	<0.1	14.4	7.1	245	2.14	4.1	0.3	0.8	0.7	10	0.1	0.3	0.1	60	0.27	0.060
117106	Soil	1.1	55.6	10.3	62	<0.1	33.4	12.7	399	2.85	9.7	1.4	3.6	5.5	13	0.1	0.7	0.2	57	0.14	0.026
117107	Soil	1.0	65.6	7.9	69	0.3	26.8	14.8	461	3.67	5.6	0.6	1.8	2.1	13	0.2	0.4	0.1	101	0.34	0.082
117108	Soil	5.5	113.1	12.5	173	0.3	99.0	36.4	758	5.48	1.3	1.6	<0.5	7.0	72	0.9	0.2	0.3	107	0.31	0.139
117109	Soil	5.3	113.8	16.4	243	0.6	95.0	24.8	899	5.79	<0.5	2.6	<0.5	12.3	90	1.4	0.1	0.4	123	0.58	0.112
117110	Soil	2.8	49.6	13.3	98	0.3	37.1	12.7	424	3.53	4.2	1.4	1.6	6.5	33	0.4	0.3	0.3	73	0.24	0.068
117111	Soil	0.5	57.3	7.9	103	<0.1	15.7	16.3	520	3.13	1.1	1.3	<0.5	8.6	46	0.3	<0.1	0.1	60	0.57	0.130
117112	Soil	0.6	30.4	9.6	92	<0.1	14.4	11.8	505	2.99	2.6	1.7	<0.5	9.8	40	0.3	0.2	0.1	49	0.41	0.089
117113	Soil	0.8	29.7	8.7	78	<0.1	20.0	14.0	386	3.32	7.2	0.5	<0.5	4.1	18	0.1	0.5	0.2	62	0.18	0.052
117114	Soil	0.6	174.0	4.3	69	<0.1	21.7	20.4	429	3.65	2.3	0.3	<0.5	1.6	31	<0.1	0.2	<0.1	113	0.34	0.048
117115	Soil	1.0	104.2	5.4	65	<0.1	21.6	18.2	398	3.29	3.4	0.4	0.6	2.3	31	<0.1	0.2	<0.1	94	0.31	0.044
117116	Soil	0.6	164.0	4.0	80	<0.1	26.3	26.2	622	3.93	1.1	0.4	<0.5	1.3	52	<0.1	0.1	<0.1	112	0.66	0.103
117117	Soil	0.7	50.2	8.7	72	0.1	18.9	12.9	388	2.97	5.2	0.7	1.4	3.9	26	0.1	0.3	0.2	65	0.31	0.067
117118	Soil	0.4	99.4	4.8	61	<0.1	28.6	22.4	430	3.21	1.7	0.3	<0.5	1.7	26	<0.1	0.2	<0.1	104	0.33	0.048
117119	Soil	0.7	54.5	4.7	111	<0.1	12.6	19.1	782	4.11	<0.5	0.6	<0.5	2.8	40	0.1	<0.1	<0.1	95	0.60	0.148
117120	Soil	0.3	25.7	7.7	104	<0.1	7.2	8.8	458	2.58	<0.5	1.4	<0.5	7.2	46	<0.1	<0.1	<0.1	31	0.51	0.130
117121	Soil	0.5	31.6	12.4	100	<0.1	12.9	10.4	393	3.04	4.0	2.1	<0.5	10.8	26	0.1	0.3	0.1	36	0.24	0.033
117122	Soil	0.7	65.5	7.5	80	<0.1	45.8	20.1	494	3.67	3.3	0.8	1.8	5.6	25	0.2	0.3	0.1	100	0.44	0.085
117123	Soil	3.0	79.9	8.5	157	0.3	86.3	30.9	771	6.34	<0.5	1.2	<0.5	6.5	34	0.6	<0.1	0.2	187	0.75	0.261
118043	Soil	0.4	10.5	55.5	34	<0.1	3.0	3.8	383	0.93	1.4	2.9	<0.5	22.0	11	<0.1	0.2	0.2	3	0.17	0.073
118044	Soil	1.0	19.8	16.9	26	0.1	5.4	5.5	236	1.84	3.3	1.4	<0.5	12.4	3	<0.1	0.2	<0.1	8	0.03	0.038
118045	Soil	1.5	17.2	23.5	33	0.3	7.4	5.6	495	2.04	5.1	1.1	<0.5	6.0	5	<0.1	0.3	0.3	21	0.06	0.059
118046	Soil	0.3	17.4	23.1	68	<0.1	11.6	5.6	213	1.80	1.3	1.8	<0.5	17.1	11	<0.1	0.3	<0.1	12	0.13	0.031
118047	Soil	1.1	3.4	21.6	33	<0.1	3.1	2.8	171	0.90	1.6	2.2	<0.5	14.7	24	0.1	0.2	0.5	6	0.11	0.041
118048	Soil	0.6	63.1	2.9	64	<0.1	35.8	16.2	545	3.42	0.9	0.5	<0.5	0.8	19	<0.1	0.2	<0.1	81	0.22	0.021
118049	Soil	1.6	27.6	15.4	32	<0.1	9.8	3.7	119	1.58	1.3	2.1	<0.5	8.8	16	<0.1	0.2	<0.1	15	0.12	0.018
118050	Soil	1.4	35.7	11.1	52	0.2	23.0	10.2	319	2.97	7.8	0.9	7.2	4.8	15	<0.1	0.7	0.2	67	0.14	0.019



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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
117102	Soil	16	61	1.39	502	0.144	<1	2.49	0.008	0.53	0.1	0.03	4.7	0.3	<0.05	7	<0.5
117103	Soil	8	72	1.41	246	0.139	<1	2.53	0.004	0.25	<0.1	0.02	2.8	0.2	<0.05	8	<0.5
117104	Soil	7	44	0.46	247	0.063	<1	1.42	0.015	0.09	<0.1	<0.01	4.5	<0.1	<0.05	4	<0.5
117105	Soil	6	40	0.43	97	0.052	<1	1.17	0.017	0.03	0.1	0.02	2.5	<0.1	<0.05	5	0.7
117106	Soil	14	50	0.56	247	0.062	2	2.07	0.009	0.06	0.2	0.05	6.1	0.1	<0.05	5	<0.5
117107	Soil	8	44	0.71	184	0.059	<1	1.88	0.022	0.04	0.1	0.03	5.9	<0.1	<0.05	6	0.8
117108	Soil	20	127	2.03	651	0.132	<1	3.50	0.037	0.73	<0.1	0.02	6.8	0.5	0.20	10	2.9
117109	Soil	37	88	2.41	584	0.162	<1	3.96	0.027	1.00	<0.1	0.01	10.3	0.9	0.16	13	2.2
117110	Soil	21	51	1.06	270	0.088	<1	2.46	0.017	0.19	0.2	0.03	4.8	0.3	0.07	8	1.1
117111	Soil	21	20	1.71	410	0.179	<1	2.25	0.005	0.45	0.1	<0.01	2.1	0.2	<0.05	7	<0.5
117112	Soil	21	15	1.71	451	0.167	<1	2.51	0.009	0.54	0.1	<0.01	2.6	0.2	<0.05	8	<0.5
117113	Soil	10	30	1.09	310	0.134	<1	2.33	0.007	0.30	0.2	0.02	2.3	0.2	<0.05	6	<0.5
117114	Soil	4	41	1.77	457	0.225	<1	2.37	0.010	0.40	0.1	<0.01	2.4	0.1	<0.05	6	<0.5
117115	Soil	6	39	1.49	405	0.185	<1	2.14	0.009	0.30	0.1	0.01	2.2	0.1	<0.05	6	<0.5
117116	Soil	6	49	2.16	564	0.222	<1	2.62	0.011	0.35	0.1	<0.01	2.9	0.1	<0.05	7	<0.5
117117	Soil	10	28	1.10	181	0.127	<1	1.83	0.007	0.13	0.2	0.02	2.4	<0.1	<0.05	6	0.6
117118	Soil	7	68	1.85	548	0.229	2	2.30	0.013	0.55	0.1	<0.01	2.4	0.1	<0.05	6	<0.5
117119	Soil	5	22	2.30	778	0.276	<1	2.86	0.011	1.40	<0.1	<0.01	2.6	0.3	<0.05	8	<0.5
117120	Soil	9	8	1.14	428	0.142	<1	1.71	0.007	0.55	<0.1	<0.01	1.4	0.3	<0.05	6	<0.5
117121	Soil	19	17	1.10	444	0.121	<1	2.03	0.007	0.28	<0.1	<0.01	2.1	0.2	<0.05	7	<0.5
117122	Soil	16	76	1.63	470	0.190	<1	2.52	0.013	0.40	0.1	0.01	4.4	0.2	<0.05	8	<0.5
117123	Soil	18	110	2.50	502	0.263	<1	3.96	0.018	1.23	<0.1	0.01	10.5	0.5	<0.05	12	1.0
118043	Soil	61	4	0.39	113	0.066	<1	0.74	0.002	0.20	<0.1	<0.01	1.5	0.2	<0.05	2	<0.5
118044	Soil	31	9	0.09	206	0.004	<1	0.99	0.002	0.09	<0.1	0.02	1.1	<0.1	<0.05	1	<0.5
118045	Soil	16	13	0.11	199	0.014	<1	0.91	0.003	0.09	0.1	0.01	1.3	<0.1	<0.05	2	<0.5
118046	Soil	33	22	0.90	173	0.148	<1	1.34	0.003	0.28	<0.1	<0.01	1.9	0.3	<0.05	3	<0.5
118047	Soil	30	5	0.34	74	0.066	<1	0.62	0.002	0.18	<0.1	<0.01	1.0	0.1	<0.05	2	<0.5
118048	Soil	2	73	1.88	257	0.216	<1	2.07	0.003	0.31	<0.1	<0.01	2.3	0.1	<0.05	5	<0.5
118049	Soil	31	9	0.36	65	0.152	<1	0.85	0.003	0.11	<0.1	0.02	2.0	0.1	<0.05	2	<0.5
118050	Soil	13	47	0.72	288	0.087	1	2.25	0.010	0.05	0.1	0.03	4.1	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		
					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
118051	Soil				1.5	41.5	9.2	83	0.4	31.8	12.2	311	3.42	14.1	0.8	<0.5	2.3	10	0.1	0.4	0.1	59	0.13	0.037
118052	Soil				0.8	35.7	11.8	92	0.3	25.4	13.2	372	3.73	17.2	1.0	<0.5	3.6	12	0.2	0.3	0.2	65	0.15	0.049
118053	Soil				1.0	23.7	28.9	99	0.2	153.4	14.6	445	2.77	3.5	1.5	4.1	18.6	8	0.2	0.3	0.4	38	0.09	0.030
118054	Soil				0.2	59.7	5.1	57	0.1	40.4	18.9	607	3.48	3.7	0.3	5.0	2.1	20	<0.1	0.2	<0.1	89	0.33	0.040
118055	Soil				0.5	4.4	6.6	23	<0.1	2.9	1.8	104	0.69	1.5	0.4	<0.5	2.9	9	<0.1	0.1	0.1	9	0.11	0.037
118056	Soil				0.7	7.0	10.5	28	<0.1	5.2	2.0	106	1.03	3.2	1.0	0.9	7.0	10	<0.1	0.2	0.1	11	0.05	0.016
118057	Soil				1.1	9.1	11.3	35	<0.1	11.2	3.9	129	1.68	4.9	0.8	<0.5	8.6	8	0.1	0.3	0.1	25	0.07	0.025
118058	Soil				0.7	18.1	38.3	44	<0.1	19.0	5.3	250	1.51	2.8	1.4	2.4	20.5	24	<0.1	0.2	0.3	11	0.25	0.024
118059	Soil				2.2	77.1	9.1	126	0.1	256.3	45.4	1664	6.94	23.6	1.0	2.6	7.5	40	0.4	0.1	0.1	148	2.33	0.135
118060	Soil				0.6	5.3	18.0	10	<0.1	3.0	1.2	139	0.53	33.7	1.5	<0.5	11.1	8	<0.1	0.1	0.3	<2	0.07	0.014
118061	Soil				1.7	54.7	12.0	131	0.1	61.1	21.8	592	5.67	7.3	0.5	<0.5	7.7	9	<0.1	0.1	0.1	87	0.18	0.053
118062	Soil				2.2	7.8	39.0	58	0.1	7.9	3.8	378	2.57	8.8	1.6	0.5	15.3	4	<0.1	0.3	0.6	15	0.04	0.025
118063	Soil				4.7	53.5	16.1	107	0.1	53.1	15.1	876	3.22	13.0	0.8	1.7	8.1	9	0.4	0.3	0.4	14	0.25	0.035
118064	Soil				21.8	110.7	36.1	266	<0.1	132.4	23.1	990	4.65	5.5	1.5	2.5	7.0	5	0.9	0.3	1.2	14	0.07	0.037
118065	Soil				21.8	107.3	26.0	255	<0.1	142.0	24.1	962	4.48	2.8	1.3	3.0	7.5	6	1.2	0.2	0.9	10	0.12	0.065
118066	Soil				0.8	42.5	8.8	93	<0.1	75.2	24.8	1859	4.23	17.1	0.5	2.2	6.6	37	0.2	0.4	0.2	37	1.04	0.034
118067	Soil				0.6	90.1	8.8	92	<0.1	242.9	75.3	1847	6.59	95.5	0.2	1.9	1.1	72	0.6	0.2	0.1	58	3.48	0.067
118068	Soil				3.4	71.4	8.7	96	0.1	45.8	15.9	539	4.37	6.6	0.7	1.5	8.1	4	0.2	0.2	<0.1	27	0.06	0.033
118069	Soil				0.5	7.4	58.5	63	<0.1	34.0	8.4	260	3.04	76.8	1.0	<0.5	28.4	6	<0.1	0.2	0.5	31	0.09	0.042
118070	Soil				0.1	46.8	14.2	67	<0.1	108.2	34.4	1235	5.25	8.2	0.2	5.7	2.3	18	<0.1	<0.1	<0.1	162	0.54	0.179
118071	Soil				0.8	15.8	18.4	53	<0.1	5.1	2.8	114	2.31	3.7	1.3	<0.5	17.2	5	<0.1	<0.1	0.3	11	0.11	0.050
118072	Soil				15.7	105.6	8.9	212	0.3	113.4	27.9	1259	5.23	13.1	1.2	2.0	4.8	11	1.5	0.2	0.5	40	3.08	0.066
118073	Soil				1.5	29.4	12.8	69	0.3	33.3	13.1	645	3.38	10.5	0.8	5.2	4.4	12	0.1	0.5	0.2	57	0.40	0.025
118074	Soil				1.9	40.0	24.7	94	<0.1	13.2	8.7	224	3.52	7.8	1.8	1.1	12.5	6	<0.1	0.2	0.3	20	0.12	0.018
118075	Soil				15.4	137.5	11.3	205	0.1	102.0	24.1	735	5.31	14.2	2.2	4.6	7.5	4	0.3	0.5	0.9	28	0.03	0.029
118076	Soil				4.2	123.3	23.9	116	<0.1	62.3	12.0	975	3.77	3.3	1.8	1.9	23.4	2	0.1	0.2	1.6	14	<0.01	0.025
118077	Soil				0.7	21.9	23.3	78	0.2	13.0	11.5	643	1.78	4.0	2.3	1.3	17.5	14	0.4	0.4	<0.1	11	0.15	0.051
118078	Soil				0.8	39.9	34.8	174	<0.1	5.9	14.5	1222	3.27	2.7	2.5	<0.5	17.8	9	0.1	0.4	0.1	15	0.17	0.153
118079	Soil				1.6	10.9	46.7	50	<0.1	6.6	4.2	198	1.98	1.9	3.1	0.6	19.7	9	0.1	0.2	0.1	7	0.05	0.045
118080	Soil				0.9	9.1	15.2	51	0.1	8.1	4.4	222	1.85	4.5	1.2	0.5	5.5	14	0.3	0.3	0.1	22	0.11	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
118051	Soil	4	33	0.91	219	0.102	<1	1.87	0.002	0.04	<0.1	<0.01	2.8	<0.1	<0.05	6	0.7	<0.2
118052	Soil	4	30	1.19	121	0.082	<1	1.94	0.002	0.04	<0.1	<0.01	4.6	0.1	<0.05	7	0.9	<0.2
118053	Soil	58	193	1.45	291	0.045	<1	1.69	0.003	0.12	<0.1	0.01	4.7	0.2	<0.05	5	<0.5	<0.2
118054	Soil	7	85	1.78	254	0.073	<1	1.90	0.004	0.04	<0.1	0.03	7.6	<0.1	<0.05	6	0.7	<0.2
118055	Soil	5	4	0.16	47	0.031	<1	0.37	0.001	0.10	<0.1	<0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
118056	Soil	8	7	0.14	88	0.019	<1	0.54	0.002	0.12	<0.1	<0.01	0.7	0.1	<0.05	2	<0.5	<0.2
118057	Soil	15	14	0.23	131	0.019	<1	0.91	0.003	0.08	0.1	<0.01	1.3	<0.1	<0.05	3	0.7	<0.2
118058	Soil	55	15	0.53	1129	<0.001	<1	1.28	0.005	0.17	<0.1	0.02	2.2	0.1	<0.05	3	<0.5	<0.2
118059	Soil	25	443	4.53	377	0.002	1	4.27	0.004	0.10	<0.1	<0.01	13.7	<0.1	<0.05	12	0.7	<0.2
118060	Soil	27	3	0.03	167	0.002	2	0.26	0.001	0.23	<0.1	<0.01	0.4	0.1	<0.05	<1	<0.5	<0.2
118061	Soil	27	89	2.15	359	0.003	<1	3.18	0.003	0.06	<0.1	<0.01	6.1	<0.1	<0.05	10	0.6	<0.2
118062	Soil	20	10	0.20	152	0.015	<1	1.16	0.003	0.11	<0.1	<0.01	2.8	0.2	<0.05	3	<0.5	<0.2
118063	Soil	16	15	0.39	193	0.004	<1	1.11	0.003	0.04	<0.1	0.02	2.3	<0.1	<0.05	2	1.3	<0.2
118064	Soil	18	15	0.12	151	0.005	<1	0.77	<0.001	0.04	0.1	0.03	3.4	<0.1	<0.05	1	4.0	0.2
118065	Soil	16	14	0.22	101	0.004	<1	0.65	0.002	0.03	0.1	0.02	2.7	<0.1	<0.05	1	3.3	<0.2
118066	Soil	12	50	1.03	219	0.017	1	1.94	0.006	0.04	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
118067	Soil	5	167	2.49	37	0.003	<1	2.25	0.002	0.03	<0.1	0.01	11.6	<0.1	<0.05	6	0.6	<0.2
118068	Soil	22	58	1.15	89	0.003	<1	1.93	0.002	0.02	<0.1	0.02	2.6	<0.1	<0.05	4	1.1	<0.2
118069	Soil	57	60	1.56	120	0.127	<1	2.02	0.002	0.64	<0.1	<0.01	4.4	0.6	<0.05	6	<0.5	<0.2
118070	Soil	14	230	3.26	168	0.072	<1	3.45	0.002	0.28	<0.1	<0.01	15.5	0.2	<0.05	11	<0.5	<0.2
118071	Soil	16	3	0.48	112	0.040	<1	1.19	0.002	0.21	<0.1	<0.01	2.2	0.3	<0.05	4	0.7	<0.2
118072	Soil	18	51	0.67	66	0.003	2	1.02	0.004	0.03	0.1	<0.01	4.6	0.2	<0.05	3	3.4	<0.2
118073	Soil	14	37	0.56	385	0.037	1	1.88	0.011	0.05	0.1	0.02	4.6	<0.1	<0.05	5	0.6	<0.2
118074	Soil	33	11	1.09	206	0.003	<1	1.77	0.002	0.04	<0.1	0.02	2.8	<0.1	<0.05	4	0.8	<0.2
118075	Soil	28	35	0.38	164	0.003	<1	0.92	0.002	0.03	<0.1	0.04	4.7	<0.1	<0.05	3	3.2	<0.2
118076	Soil	51	35	0.92	65	0.002	<1	1.35	0.002	0.03	<0.1	0.03	2.7	<0.1	<0.05	4	1.3	<0.2
118077	Soil	27	10	0.52	144	0.086	<1	1.10	0.002	0.19	<0.1	<0.01	1.7	0.2	<0.05	3	<0.5	<0.2
118078	Soil	8	11	1.45	177	0.194	<1	1.44	0.004	0.67	<0.1	<0.01	1.5	0.4	<0.05	5	0.6	<0.2
118079	Soil	28	8	0.60	242	0.033	<1	0.85	0.003	0.07	<0.1	<0.01	0.9	<0.1	<0.05	3	0.5	<0.2
118080	Soil	13	12	0.34	124	0.056	<1	0.85	0.003	0.06	0.1	<0.01	1.5	<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
118081	Soil	1.3	34.8	42.1	163	<0.1	9.4	9.6	551	2.64	2.2	4.2	4.5	21.9	16	0.3	0.3	0.3	13	0.26	0.038
118082	Soil	1.3	18.1	26.7	51	<0.1	9.8	6.8	152	1.67	4.7	2.1	1.1	14.5	11	0.3	0.3	0.3	11	0.10	0.033
118083	Soil	0.9	14.6	35.8	43	<0.1	8.1	6.4	241	1.46	6.0	2.1	<0.5	10.7	20	0.5	0.3	0.2	12	0.16	0.063
118084	Soil	1.3	26.3	39.3	51	0.1	13.8	8.8	293	1.73	8.9	2.7	2.1	14.1	18	0.3	0.5	0.2	19	0.16	0.042
118085	Soil	0.7	9.6	16.7	40	<0.1	7.2	3.8	121	1.41	4.7	1.3	0.8	8.7	19	0.1	0.3	0.2	17	0.08	0.029
118086	Soil	0.7	15.8	31.8	50	<0.1	16.2	7.1	204	1.89	7.9	1.6	3.9	15.4	11	0.1	0.5	0.2	28	0.09	0.024
118087	Soil	0.6	10.4	26.4	56	<0.1	10.5	5.4	203	1.75	2.8	0.9	0.9	9.4	13	<0.1	0.1	0.3	15	0.08	0.027
118088	Soil	1.0	32.3	15.0	57	0.4	16.4	7.9	322	2.47	8.3	3.7	5.3	17.4	10	0.3	0.6	0.2	40	0.08	0.016
118089	Soil	0.7	117.7	66.8	84	0.1	17.5	23.8	652	4.14	6.3	0.5	10.4	2.6	3	0.2	0.3	0.1	98	0.07	0.025
118090	Soil	0.6	123.5	112.4	105	0.2	20.1	25.4	667	4.28	4.8	0.4	9.7	2.3	2	0.3	0.3	0.2	118	0.07	0.030
118091	Soil	0.4	46.5	7.4	71	<0.1	30.4	18.4	666	3.20	2.1	1.0	1.8	3.5	26	0.3	0.1	<0.1	66	0.29	0.047
118092	Soil	0.5	64.8	3.9	54	0.1	27.6	19.6	467	3.37	3.0	0.4	1.6	1.5	25	<0.1	0.2	<0.1	85	0.30	0.039
118093	Soil	0.2	61.7	2.4	55	<0.1	14.0	18.9	377	2.99	2.0	0.3	0.9	0.9	26	<0.1	<0.1	<0.1	63	0.31	0.050
118094	Soil	0.4	38.1	4.7	39	<0.1	44.1	12.7	255	2.09	2.1	0.5	1.7	3.0	9	<0.1	0.1	<0.1	41	0.11	0.021
118095	Soil	0.4	34.2	8.8	54	<0.1	42.7	14.5	333	2.92	7.5	0.9	1.9	5.4	16	<0.1	0.4	0.1	46	0.25	0.047
118096	Soil	0.1	12.7	4.4	40	<0.1	80.9	25.4	693	2.72	0.9	0.2	1.6	1.3	39	<0.1	0.1	<0.1	75	0.37	0.034
118097	Soil	0.2	127.3	1.3	38	<0.1	24.7	27.8	372	2.94	1.0	0.2	<0.5	0.5	48	<0.1	0.1	<0.1	74	0.37	0.041
118098	Soil	<0.1	4.9	4.1	13	<0.1	1.9	2.2	176	0.34	0.6	1.3	<0.5	8.9	5	<0.1	<0.1	<0.1	3	0.03	0.005
118099	Soil	0.2	6.9	5.2	20	<0.1	5.9	3.3	197	0.60	1.4	0.6	0.7	4.4	13	<0.1	<0.1	<0.1	8	0.15	0.042
118100	Soil	1.0	91.7	13.5	145	<0.1	21.9	23.6	958	3.31	1.8	1.6	2.7	6.4	12	0.3	0.2	0.3	40	0.23	0.035
118101	Soil	0.2	82.0	2.7	49	<0.1	87.5	29.2	637	3.09	1.1	0.4	1.7	0.6	19	0.1	0.1	<0.1	68	0.35	0.036
118102	Soil	0.3	90.0	11.8	106	<0.1	139.8	36.0	1559	4.25	1.2	1.0	1.3	9.6	14	1.3	0.2	0.2	57	0.41	0.188
118103	Soil	0.2	84.8	1.5	74	<0.1	197.2	43.9	1535	4.74	1.8	0.1	4.2	0.3	18	0.2	0.2	<0.1	115	0.73	0.072
118104	Soil	0.2	4.0	4.8	27	<0.1	26.5	8.0	591	1.14	0.9	1.2	<0.5	11.8	10	<0.1	<0.1	<0.1	14	0.17	0.029
118105	Soil	<0.1	9.9	3.7	24	<0.1	10.4	2.5	234	0.55	<0.5	1.1	1.0	7.6	13	<0.1	0.1	<0.1	10	0.10	0.003
118106	Soil	0.3	33.6	4.1	69	<0.1	30.6	12.8	487	2.99	1.2	0.6	<0.5	1.5	11	<0.1	<0.1	<0.1	64	0.23	0.078
118107	Soil	1.0	18.4	11.3	50	0.3	17.1	10.0	298	2.71	7.7	0.9	2.9	6.1	12	<0.1	0.3	0.2	52	0.21	0.014
118108	Soil	3.1	50.3	6.5	280	<0.1	205.7	25.6	774	5.10	5.0	0.9	2.7	5.9	10	0.4	0.2	<0.1	146	0.18	0.071
118109	Soil	1.1	57.6	11.8	57	1.1	33.1	10.2	372	2.93	9.4	4.3	5.0	13.1	12	0.1	0.8	0.2	58	0.14	0.038
118110	Soil	12.3	83.0	14.4	202	0.1	77.8	20.3	907	4.42	3.1	1.9	<0.5	5.8	11	1.0	0.2	0.3	80	0.23	0.123



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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
118081	Soil	58	43	1.84	450	0.140	<1	1.73	0.003	0.10	<0.1	0.02	3.1	0.3	<0.05	6	<0.5
118082	Soil	17	10	0.43	94	0.040	<1	1.02	0.002	0.05	<0.1	0.01	1.3	<0.1	<0.05	3	<0.5
118083	Soil	25	10	0.22	79	0.040	<1	0.76	0.002	0.06	<0.1	0.01	1.4	<0.1	<0.05	2	<0.5
118084	Soil	27	13	0.38	148	0.067	<1	0.98	0.003	0.07	0.1	0.02	3.4	0.1	<0.05	3	1.0
118085	Soil	17	10	0.38	119	0.055	<1	0.87	0.002	0.09	0.1	0.02	1.5	0.1	<0.05	3	<0.5
118086	Soil	28	18	0.47	143	0.046	1	1.15	0.005	0.06	0.2	0.01	2.2	0.1	<0.05	4	<0.5
118087	Soil	13	12	0.80	80	0.096	<1	1.24	0.003	0.32	0.1	<0.01	1.6	0.3	<0.05	3	<0.5
118088	Soil	26	27	0.61	168	0.070	1	1.58	0.005	0.05	0.2	0.04	4.9	0.2	<0.05	4	<0.5
118089	Soil	5	35	2.37	60	0.057	<1	2.58	0.001	0.04	<0.1	<0.01	9.4	<0.1	<0.05	7	<0.5
118090	Soil	4	38	3.01	51	0.050	<1	3.04	0.002	0.02	<0.1	0.01	13.9	<0.1	<0.05	7	<0.5
118091	Soil	9	51	1.65	190	0.160	<1	2.15	0.003	0.09	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5
118092	Soil	5	39	1.57	189	0.115	<1	2.19	0.003	0.06	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5
118093	Soil	3	12	1.34	200	0.111	<1	1.92	0.003	0.12	<0.1	<0.01	1.7	0.1	<0.05	4	<0.5
118094	Soil	8	140	1.21	99	0.086	<1	1.39	0.002	0.05	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5
118095	Soil	13	83	1.20	247	0.036	<1	1.80	0.006	0.03	0.1	0.03	4.6	<0.1	<0.05	4	<0.5
118096	Soil	4	167	2.21	137	0.143	<1	2.16	0.003	0.15	<0.1	<0.01	3.9	0.2	<0.05	5	<0.5
118097	Soil	<1	20	2.36	478	0.149	<1	2.27	0.004	0.46	<0.1	<0.01	1.7	0.3	<0.05	3	<0.5
118098	Soil	10	2	0.09	22	0.021	<1	0.35	<0.001	0.04	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5
118099	Soil	6	6	0.20	59	0.018	<1	0.50	0.002	0.06	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5
118100	Soil	13	29	2.55	209	0.073	<1	2.60	0.003	0.03	<0.1	0.01	5.5	<0.1	<0.05	7	<0.5
118101	Soil	2	104	2.19	268	0.115	<1	2.43	0.002	0.04	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5
118102	Soil	33	130	1.87	208	0.068	<1	2.13	0.002	0.18	<0.1	0.03	4.8	0.2	<0.05	5	<0.5
118103	Soil	1	269	2.69	561	0.136	<1	3.10	0.005	0.13	<0.1	<0.01	8.8	<0.1	<0.05	8	<0.5
118104	Soil	20	24	0.78	119	0.112	<1	1.01	0.002	0.18	<0.1	<0.01	1.1	0.2	<0.05	2	<0.5
118105	Soil	7	9	0.34	75	0.092	<1	0.56	0.002	0.14	<0.1	<0.01	1.2	0.1	<0.05	1	<0.5
118106	Soil	7	83	1.70	444	0.154	<1	2.21	0.004	0.37	<0.1	<0.01	3.1	0.4	<0.05	6	<0.5
118107	Soil	17	31	0.77	191	0.042	2	1.99	0.006	0.04	0.1	0.03	4.0	0.2	<0.05	6	<0.5
118108	Soil	16	437	4.56	73	0.025	<1	4.23	0.002	0.02	<0.1	0.02	9.4	<0.1	<0.05	12	1.0
118109	Soil	37	38	0.63	335	0.072	1	2.31	0.010	0.09	0.2	0.08	5.8	0.2	<0.05	6	0.5
118110	Soil	10	90	1.82	74	0.055	<1	2.12	0.003	0.08	<0.1	<0.01	4.9	0.2	<0.05	6	3.3



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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
118111	Soil	2.7	65.0	7.0	165	0.1	55.1	11.6	438	3.06	3.9	1.7	2.2	8.2	15	0.3	<0.1	0.2	80	0.26	0.078
118112	Soil	1.4	81.4	10.6	78	0.2	93.3	27.3	596	4.79	2.9	1.1	1.0	7.6	12	0.1	0.2	0.3	86	0.32	0.146
118113	Soil	2.1	55.3	30.3	78	0.2	49.7	20.8	1384	4.37	4.6	1.8	<0.5	14.5	11	0.3	0.4	0.3	48	0.16	0.062
118114	Soil	0.2	25.7	10.4	82	<0.1	40.5	10.6	590	2.93	1.2	1.8	1.3	12.2	32	<0.1	0.2	0.2	39	0.40	0.014
118115	Soil	0.2	35.9	9.3	82	<0.1	42.1	11.7	599	3.12	1.8	1.5	1.5	10.2	32	0.1	0.2	0.2	45	0.39	0.015
118116	Soil	0.2	14.7	9.5	88	0.1	35.0	12.8	445	3.22	1.1	1.8	<0.5	13.0	17	0.2	0.1	<0.1	66	0.18	0.020
118117	Soil	0.3	53.9	3.7	43	0.2	7.5	11.8	486	2.96	2.0	0.4	1.2	1.3	7	<0.1	0.2	<0.1	107	0.12	0.029
118118	Soil	0.3	5.5	11.6	33	<0.1	5.3	2.9	99	0.95	2.5	1.0	0.5	7.4	8	<0.1	0.2	0.2	12	0.05	0.011
118119	Soil	0.4	10.5	13.6	60	0.1	9.7	6.0	200	1.78	2.4	2.0	<0.5	15.7	18	0.1	0.2	0.1	13	0.15	0.022
118120	Soil	0.7	16.5	29.2	48	0.4	14.4	7.3	207	2.03	6.7	1.7	3.0	17.1	9	0.1	0.5	0.2	37	0.07	0.014
118121	Soil	0.5	77.9	19.1	96	<0.1	24.5	22.5	894	4.16	1.8	0.6	2.5	1.6	41	0.2	0.2	<0.1	94	0.42	0.061
118122	Soil	0.4	29.3	7.2	59	<0.1	51.4	30.9	961	4.31	2.9	0.3	1.7	1.3	35	0.2	0.1	<0.1	105	0.35	0.110
118123	Soil	0.6	56.6	12.7	72	<0.1	35.6	15.2	401	3.21	6.4	1.0	3.6	4.8	23	0.1	0.5	0.1	75	0.23	0.031
118124	Soil	0.8	33.3	9.5	61	<0.1	30.9	11.2	266	2.75	6.8	0.5	9.2	3.5	15	<0.1	0.6	0.1	59	0.17	0.029
118125	Soil	0.6	46.7	8.4	57	0.1	29.2	11.6	335	2.49	7.9	0.7	3.5	4.4	21	0.1	0.6	0.1	50	0.31	0.052
118126	Soil	0.2	87.7	1.6	25	<0.1	27.5	16.5	334	2.13	0.7	0.2	3.9	0.6	18	<0.1	<0.1	<0.1	37	0.37	0.036
118127	Soil	0.7	41.6	10.3	58	0.1	23.3	10.1	316	2.35	8.0	1.0	2.9	3.9	19	0.1	0.7	0.1	44	0.31	0.049
118128	Soil	0.7	47.4	8.6	56	0.1	25.0	11.3	342	2.48	7.2	1.2	3.9	3.6	23	0.1	0.6	0.1	51	0.42	0.053
118129	Soil	0.6	34.8	8.0	46	0.1	20.3	10.0	298	2.18	7.3	1.3	4.9	3.4	19	<0.1	0.5	0.1	45	0.39	0.043
118130	Soil	0.8	37.7	8.2	47	0.1	20.5	12.2	441	2.27	5.4	1.3	6.5	3.0	21	<0.1	0.4	0.1	49	0.38	0.056
118131	Soil	0.4	78.5	3.8	63	<0.1	35.1	17.5	313	2.85	2.2	0.4	3.9	1.6	19	<0.1	0.3	<0.1	70	0.43	0.066
118132	Soil	0.5	74.2	3.6	59	<0.1	32.8	17.0	288	2.63	2.0	0.4	6.5	1.6	19	<0.1	0.3	<0.1	67	0.41	0.067
118133	Soil	0.4	62.2	4.3	53	<0.1	26.0	14.1	284	2.47	3.1	0.6	2.7	2.0	18	0.2	0.3	<0.1	58	0.37	0.058
118134	Soil	0.8	54.3	9.6	76	0.1	26.2	11.3	305	2.75	7.9	0.5	4.2	3.9	21	0.3	0.8	0.2	57	0.29	0.053
118135	Soil	0.9	45.9	9.6	72	<0.1	26.4	11.0	359	2.59	8.9	0.6	3.0	4.0	21	0.2	0.8	0.2	54	0.28	0.050
118136	Soil	1.0	39.0	10.4	71	0.1	26.9	10.8	361	2.55	9.4	0.5	4.4	3.6	20	0.2	1.1	0.2	48	0.28	0.059
118137	Soil	0.5	41.8	5.7	44	<0.1	27.3	15.3	267	2.60	3.9	0.7	3.8	3.3	15	<0.1	0.4	<0.1	64	0.20	0.015
118138	Soil	1.1	32.9	11.5	73	0.2	26.9	10.4	379	2.47	10.9	0.5	3.4	4.6	23	0.2	1.1	0.2	43	0.33	0.068
118139	Soil	0.5	28.2	8.5	48	0.1	22.9	7.8	269	1.98	10.2	0.5	11.2	3.8	22	<0.1	0.7	0.1	33	0.37	0.064
118140	Soil	0.5	28.7	8.3	50	0.1	22.9	8.0	319	2.01	10.0	0.5	2.6	3.8	22	0.1	0.6	0.1	34	0.39	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
118111	Soil	27	67	1.96	177	0.027	<1	2.44	0.003	0.05	<0.1	0.01	5.6	0.2	<0.05	8	2.1	<0.2
118112	Soil	14	103	1.95	130	0.108	<1	2.77	0.004	0.22	<0.1	<0.01	5.9	0.2	<0.05	8	0.7	<0.2
118113	Soil	14	37	1.40	174	0.095	<1	2.74	0.003	0.18	<0.1	0.01	4.8	0.3	<0.05	8	0.8	<0.2
118114	Soil	33	65	1.70	724	0.155	<1	2.59	0.005	0.21	<0.1	0.02	5.2	0.2	<0.05	8	<0.5	<0.2
118115	Soil	32	73	1.81	744	0.172	<1	2.69	0.006	0.24	<0.1	0.01	5.8	0.2	<0.05	7	<0.5	<0.2
118116	Soil	31	52	1.44	633	0.177	<1	2.49	0.006	0.42	<0.1	0.01	6.1	0.3	<0.05	9	<0.5	<0.2
118117	Soil	3	13	1.10	140	0.108	<1	1.97	0.010	0.09	<0.1	<0.01	8.0	<0.1	<0.05	6	<0.5	<0.2
118118	Soil	9	11	0.46	76	0.048	<1	0.76	0.002	0.09	<0.1	<0.01	0.9	0.1	<0.05	2	<0.5	<0.2
118119	Soil	41	13	1.31	123	0.150	<1	1.40	0.002	0.23	<0.1	<0.01	1.6	0.2	<0.05	4	<0.5	<0.2
118120	Soil	29	23	0.50	199	0.059	<1	1.49	0.005	0.07	0.1	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
118121	Soil	8	30	2.23	321	0.173	<1	2.62	0.003	0.08	<0.1	0.01	3.1	<0.1	<0.05	8	<0.5	<0.2
118122	Soil	2	119	2.48	266	0.149	<1	2.75	0.006	0.33	<0.1	<0.01	5.6	0.2	<0.05	7	<0.5	<0.2
118123	Soil	13	55	1.20	332	0.098	<1	2.07	0.006	0.06	0.1	0.03	7.3	<0.1	<0.05	6	<0.5	<0.2
118124	Soil	10	46	0.90	183	0.075	<1	1.58	0.005	0.05	0.2	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
118125	Soil	12	32	0.88	301	0.052	<1	1.34	0.007	0.04	0.2	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
118126	Soil	1	23	1.68	113	0.045	<1	1.69	0.002	0.03	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
118127	Soil	12	26	0.62	381	0.042	<1	1.18	0.007	0.04	0.3	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
118128	Soil	12	28	0.79	354	0.051	<1	1.38	0.008	0.05	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
118129	Soil	11	26	0.63	338	0.042	1	1.25	0.008	0.05	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
118130	Soil	10	26	0.65	258	0.040	<1	1.21	0.007	0.04	0.4	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
118131	Soil	5	45	1.48	214	0.086	<1	1.93	0.005	0.16	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
118132	Soil	5	43	1.41	203	0.083	<1	1.80	0.005	0.16	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
118133	Soil	6	31	1.10	224	0.063	<1	1.54	0.006	0.06	0.2	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
118134	Soil	11	30	0.70	328	0.071	1	1.56	0.012	0.07	0.2	0.04	3.5	<0.1	<0.05	5	<0.5	<0.2
118135	Soil	12	30	0.62	362	0.062	<1	1.38	0.010	0.05	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
118136	Soil	12	30	0.62	379	0.067	<1	1.29	0.007	0.05	0.1	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
118137	Soil	10	48	1.16	259	0.101	<1	1.77	0.005	0.04	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
118138	Soil	13	26	0.51	419	0.056	1	1.15	0.011	0.05	0.2	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
118139	Soil	12	19	0.38	329	0.033	<1	0.89	0.010	0.04	0.3	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
118140	Soil	12	19	0.38	323	0.034	<1	0.89	0.011	0.04	0.2	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	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
119046	Soil	0.4	16.8	7.2	56	<0.1	27.6	10.8	370	2.75	4.1	0.5	2.1	4.5	7	<0.1	0.4	<0.1	51	0.07	0.020
119047	Soil	1.0	12.4	8.3	62	0.1	14.8	9.9	353	2.71	4.0	0.6	1.6	2.8	8	<0.1	0.3	<0.1	48	0.13	0.051
119048	Soil	0.4	22.5	11.1	47	<0.1	11.0	2.9	200	1.46	0.9	1.3	1.4	9.5	10	<0.1	0.2	0.3	7	0.05	0.010
119049	Soil	2.9	46.6	16.0	72	0.4	42.2	11.9	380	2.97	11.9	1.1	3.0	6.4	9	0.2	0.8	0.3	52	0.06	0.025
119050	Soil	10.5	54.7	26.4	105	0.3	44.2	10.2	375	3.30	3.6	2.2	2.1	11.1	3	0.2	0.3	0.5	31	0.04	0.017
119051	Soil	0.8	36.5	14.2	54	0.1	24.4	9.3	322	2.68	9.5	1.1	3.3	10.0	9	<0.1	0.6	0.2	44	0.09	0.022
119052	Soil	1.5	44.0	3.9	128	0.1	24.9	10.5	451	3.70	2.6	1.6	1.1	5.3	13	0.2	0.2	<0.1	54	0.18	0.074
119053	Soil	1.7	18.9	58.0	80	<0.1	33.4	21.7	1205	4.82	3.7	0.7	0.7	6.7	17	<0.1	0.2	0.9	56	0.22	0.046
119054	Soil	0.5	38.4	7.7	37	0.1	29.0	9.8	158	2.16	5.9	0.4	3.0	2.7	12	<0.1	0.3	0.1	41	0.15	0.021
119055	Soil	0.3	41.7	6.9	34	<0.1	63.6	16.8	259	2.37	8.9	0.5	1.2	2.9	12	<0.1	0.2	<0.1	40	0.22	0.043
119056	Soil	0.4	9.2	9.1	30	<0.1	3.9	2.2	444	1.23	3.8	0.5	1.0	7.9	22	<0.1	0.1	<0.1	8	0.16	0.068
119057	Soil	1.7	8.7	70.3	84	<0.1	21.9	7.5	628	3.94	2.3	0.9	<0.5	20.6	37	0.1	0.2	0.7	23	0.39	0.099
119058	Soil	1.2	17.1	11.0	48	0.1	17.3	8.0	236	2.86	7.8	0.4	0.9	2.7	8	0.1	0.5	0.2	65	0.08	0.030
119059	Soil	9.9	66.4	20.7	111	0.7	47.6	9.2	410	3.81	5.5	2.4	1.5	8.4	8	0.4	0.4	0.2	44	0.07	0.043
119060	Soil	1.2	39.8	23.4	74	0.2	35.1	7.0	274	2.89	6.3	1.3	0.9	9.0	5	<0.1	0.3	0.5	42	0.06	0.018
119061	Soil	0.4	35.9	9.1	68	<0.1	109.0	22.6	686	4.34	105.7	0.6	3.7	1.8	14	0.2	0.3	0.2	116	0.26	0.056
119062	Soil	1.6	20.5	13.1	80	0.3	66.4	22.7	673	4.41	26.8	0.5	1.6	3.6	7	0.2	0.6	0.2	86	0.10	0.043
119063	Soil	0.8	26.2	6.8	64	<0.1	22.0	11.8	398	2.72	7.7	0.5	<0.5	3.0	15	<0.1	0.4	<0.1	35	0.16	0.055
119064	Soil	2.0	25.4	15.9	53	0.4	26.7	9.3	308	2.97	11.5	0.9	2.5	4.2	10	0.1	0.6	0.2	58	0.09	0.025
119065	Soil	2.7	36.2	16.9	70	0.3	31.6	9.6	386	3.30	11.2	0.9	3.8	5.4	9	0.1	0.4	0.2	56	0.09	0.029
119066	Soil	2.2	53.7	11.9	87	<0.1	53.9	19.7	540	4.19	6.8	1.0	2.8	5.4	22	0.2	0.4	0.2	75	0.25	0.033
119067	Soil	2.6	47.0	10.6	71	<0.1	51.6	12.2	356	3.19	6.5	0.7	<0.5	3.8	9	0.2	0.3	0.1	50	0.10	0.025
119068	Soil	1.0	51.9	16.8	52	<0.1	56.9	13.6	327	2.47	2.8	0.3	2.0	1.7	7	0.1	0.2	<0.1	40	0.16	0.035
119069	Soil	0.8	68.8	17.8	78	<0.1	70.5	31.2	911	4.83	19.3	1.0	<0.5	6.5	6	0.2	<0.1	0.2	92	0.16	0.034
119070	Soil	0.7	15.1	33.5	43	<0.1	12.2	6.1	254	1.97	6.1	1.2	2.7	23.1	12	<0.1	0.2	0.3	21	0.20	0.025
119071	Soil	1.7	34.8	21.1	62	0.2	40.9	18.0	452	2.89	15.5	0.8	<0.5	8.3	13	0.2	0.1	0.2	57	0.24	0.043
119072	Soil	3.7	68.3	15.8	90	0.1	53.8	15.8	468	3.39	6.7	1.2	<0.5	8.5	14	0.3	<0.1	0.2	41	0.26	0.071
119073	Soil	3.4	17.7	11.7	72	0.2	18.0	5.9	320	2.54	3.8	0.7	1.7	3.4	13	<0.1	0.1	0.2	53	0.21	0.044
119074	Soil	2.4	45.0	12.5	61	0.2	28.7	10.0	316	2.74	15.6	1.5	3.2	6.3	14	<0.1	0.4	0.2	48	0.16	0.022
119075	Soil	1.8	54.6	7.7	91	<0.1	59.9	18.3	749	4.37	6.8	0.8	0.5	3.9	12	<0.1	0.2	<0.1	67	0.20	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
119046	Soil	15	46	1.10	120	0.020	<1	1.84	0.004	0.03	<0.1	0.01	5.5	<0.1	<0.05	5	<0.5	<0.2
119047	Soil	6	29	0.98	117	0.064	<1	1.77	0.004	0.07	0.1	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
119048	Soil	13	7	0.74	43	0.039	<1	1.02	0.002	0.02	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
119049	Soil	16	35	0.62	233	0.040	<1	2.01	0.007	0.06	0.1	0.03	3.2	<0.1	<0.05	5	0.5	<0.2
119050	Soil	29	49	1.24	87	0.109	<1	1.62	0.003	0.04	<0.1	0.02	4.3	<0.1	<0.05	5	1.0	<0.2
119051	Soil	22	30	0.57	242	0.037	<1	1.88	0.006	0.05	0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
119052	Soil	16	37	1.52	104	0.096	<1	1.91	0.003	0.05	<0.1	<0.01	5.2	<0.1	<0.05	6	1.2	<0.2
119053	Soil	30	29	1.85	394	0.217	<1	3.42	0.005	0.89	<0.1	0.01	2.0	0.5	<0.05	7	<0.5	<0.2
119054	Soil	9	47	0.62	177	0.065	<1	1.51	0.006	0.04	0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
119055	Soil	8	116	1.18	179	0.054	<1	1.66	0.004	0.03	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
119056	Soil	16	6	0.14	87	0.048	<1	0.52	0.002	0.19	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
119057	Soil	53	14	1.84	477	0.196	<1	2.54	0.004	0.81	<0.1	<0.01	3.2	0.4	<0.05	6	<0.5	<0.2
119058	Soil	9	28	0.49	178	0.047	<1	2.14	0.006	0.04	0.2	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
119059	Soil	21	32	1.08	181	0.014	<1	1.94	0.004	0.04	0.1	0.02	2.3	<0.1	<0.05	5	1.5	<0.2
119060	Soil	19	41	1.19	153	0.074	<1	2.07	0.004	0.04	0.1	0.01	3.6	<0.1	<0.05	6	0.5	<0.2
119061	Soil	8	194	2.75	150	0.089	1	2.81	0.004	0.02	<0.1	0.02	15.0	<0.1	<0.05	9	0.7	<0.2
119062	Soil	6	97	1.73	210	0.071	1	2.95	0.005	0.03	0.2	0.02	5.1	0.1	<0.05	8	0.6	<0.2
119063	Soil	5	29	0.92	182	0.059	1	1.73	0.006	0.10	0.1	0.01	1.6	0.1	<0.05	4	<0.5	<0.2
119064	Soil	11	34	0.48	262	0.038	<1	1.97	0.007	0.03	0.2	0.01	2.3	0.1	<0.05	6	<0.5	<0.2
119065	Soil	14	38	0.70	240	0.033	<1	2.10	0.007	0.03	0.2	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
119066	Soil	17	73	1.37	484	0.054	<1	2.79	0.013	0.03	<0.1	0.04	7.4	<0.1	<0.05	7	0.9	<0.2
119067	Soil	11	74	1.10	248	0.035	<1	2.04	0.006	0.03	<0.1	0.01	2.6	<0.1	<0.05	6	0.5	<0.2
119068	Soil	3	102	1.47	79	0.049	<1	1.73	0.003	0.02	<0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
119069	Soil	26	129	2.82	120	0.041	<1	3.12	<0.001	0.04	<0.1	0.02	10.3	0.2	<0.05	8	0.7	<0.2
119070	Soil	27	14	0.63	225	0.058	<1	1.29	0.004	0.23	0.1	0.02	1.9	0.3	<0.05	4	<0.5	<0.2
119071	Soil	12	68	1.44	181	0.032	<1	1.98	0.004	0.04	<0.1	0.01	3.5	0.1	<0.05	5	<0.5	<0.2
119072	Soil	10	67	1.56	153	0.059	<1	1.94	0.003	0.06	<0.1	0.02	2.5	0.2	<0.05	5	1.4	<0.2
119073	Soil	7	34	1.06	193	0.053	<1	1.70	0.004	0.04	0.1	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
119074	Soil	17	37	0.65	318	0.037	<1	1.72	0.005	0.05	<0.1	0.05	3.5	0.2	<0.05	5	0.9	<0.2
119075	Soil	10	77	1.99	175	0.100	<1	2.60	0.003	0.07	<0.1	<0.01	4.1	0.2	<0.05	7	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
119076	Soil	5.6	94.7	13.2	104	0.2	63.7	14.5	830	3.76	6.0	1.9	4.1	8.1	4	<0.1	0.4	0.2	39	0.04	0.021
119077	Soil	2.6	95.3	9.7	106	<0.1	102.6	29.5	779	4.87	36.8	1.5	1.5	10.9	4	0.2	0.4	0.3	61	0.10	0.029
119078	Soil	1.3	40.0	4.7	77	<0.1	102.8	28.5	1463	4.15	27.7	0.8	1.0	4.5	10	0.3	0.1	<0.1	98	0.27	0.095
119079	Soil	6.7	78.5	10.7	145	<0.1	64.8	15.8	785	5.07	2.1	2.5	<0.5	7.3	15	0.9	0.2	0.1	55	0.24	0.116
119080	Soil	9.1	70.8	18.8	153	0.7	56.9	14.6	602	4.38	7.3	3.3	<0.5	10.1	8	0.6	0.3	0.2	46	0.13	0.071
119081	Soil	1.3	28.7	13.9	87	<0.1	19.7	8.7	356	3.15	4.1	1.3	<0.5	9.0	7	<0.1	0.4	0.2	34	0.13	0.047
119082	Soil	9.9	103.2	26.7	237	0.7	75.5	13.0	394	4.34	5.7	2.7	<0.5	11.2	32	1.3	0.2	0.4	42	0.21	0.066
119083	Soil	12.8	78.5	90.8	242	1.1	61.5	11.2	546	3.07	<0.5	1.9	0.7	27.0	34	1.9	0.1	0.3	15	0.20	0.064
119084	Soil	7.5	64.0	13.7	155	0.5	63.2	20.3	600	3.67	7.4	3.5	13.3	7.2	46	1.0	0.6	0.2	52	0.51	0.074
119085	Soil	1.9	43.9	11.9	75	0.2	42.3	9.9	160	2.73	19.7	5.7	3.9	6.0	54	0.3	0.5	0.1	54	0.58	0.070
119086	Soil	1.4	32.3	9.9	69	0.2	25.8	10.1	331	2.41	10.9	1.3	0.8	4.8	27	0.1	0.6	0.1	47	0.36	0.065
119087	Soil	1.0	35.9	11.4	79	0.2	29.0	11.6	436	2.86	12.9	1.3	2.4	4.9	35	0.2	0.8	0.2	50	0.51	0.076
119088	Soil	1.2	33.5	10.9	76	0.1	28.1	9.9	352	2.78	11.3	1.4	3.2	4.3	30	<0.1	0.8	0.2	50	0.45	0.073
119089	Soil	1.4	32.2	10.2	79	0.1	28.3	11.0	328	2.85	11.6	0.7	4.4	4.8	26	<0.1	0.7	0.2	54	0.42	0.066
119090	Soil	1.2	30.5	9.9	77	<0.1	25.7	10.1	289	2.78	11.1	0.7	2.7	5.2	24	<0.1	0.8	0.1	53	0.41	0.065
119091	Soil	0.9	33.8	9.0	68	<0.1	28.4	10.1	287	2.73	8.2	1.0	1.1	4.9	20	<0.1	0.6	0.1	51	0.26	0.038
119092	Soil	0.9	26.9	8.7	66	<0.1	19.0	7.7	237	2.42	6.6	0.9	1.0	4.0	16	<0.1	0.4	0.1	46	0.23	0.044
119093	Soil	0.5	17.3	5.9	88	<0.1	11.4	8.4	314	2.70	2.9	0.9	2.9	5.6	21	<0.1	0.3	<0.1	28	0.27	0.038
119094	Soil	0.4	25.8	5.1	88	<0.1	15.1	10.1	327	3.22	4.8	0.8	3.0	4.4	16	<0.1	0.4	<0.1	38	0.19	0.029
119095	Soil	0.2	46.3	0.7	93	<0.1	14.7	22.2	387	3.45	1.3	0.3	6.6	0.8	23	<0.1	<0.1	<0.1	66	0.48	0.086
119096	Soil	0.3	50.3	3.3	32	<0.1	69.1	12.6	217	1.96	2.9	0.3	4.8	1.3	8	<0.1	0.3	<0.1	40	0.13	0.017
119097	Soil	0.4	57.5	4.0	43	<0.1	69.2	18.4	365	2.58	2.3	0.3	12.7	1.2	9	<0.1	0.4	<0.1	58	0.14	0.012
119098	Soil	0.5	45.1	4.9	32	<0.1	51.0	11.6	247	1.94	4.9	0.5	6.4	2.3	6	<0.1	0.3	0.1	39	0.09	0.013
119099	Soil	0.3	130.7	3.6	39	0.1	30.4	18.6	312	2.62	3.2	0.6	8.3	1.7	13	<0.1	0.4	<0.1	64	0.18	0.012
119100	Soil	0.3	53.6	1.3	57	<0.1	19.6	26.7	315	3.16	1.7	0.2	6.1	0.6	21	<0.1	0.2	<0.1	66	0.27	0.029
119101	Soil	0.6	58.5	4.3	65	<0.1	20.6	25.4	362	3.69	5.8	0.2	8.1	1.3	10	<0.1	0.4	<0.1	80	0.14	0.025
119102	Soil	0.4	37.8	2.2	27	<0.1	21.2	12.9	206	1.93	2.7	<0.1	2.4	0.3	14	<0.1	0.2	<0.1	49	0.21	0.032
119103	Soil	0.3	36.9	0.9	48	<0.1	15.6	21.5	255	2.43	1.4	0.1	1.5	0.2	15	<0.1	0.1	<0.1	44	0.15	0.023
119104	Soil	0.2	46.4	0.6	63	<0.1	11.3	15.1	377	3.41	1.2	0.1	2.1	0.7	6	<0.1	0.1	<0.1	85	0.15	0.051
119105	Soil	0.1	43.6	0.7	80	<0.1	9.9	20.8	323	3.01	0.8	<0.1	0.6	0.2	12	<0.1	<0.1	<0.1	64	0.28	0.085



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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
119076	Soil	16	43	1.12	178	0.043	<1	1.90	0.004	0.03	<0.1	0.02	2.2	0.1	<0.05	6	1.4
119077	Soil	25	110	2.42	147	0.151	<1	3.17	0.003	0.04	<0.1	0.02	5.6	0.2	<0.05	9	1.0
119078	Soil	11	153	3.56	641	0.066	<1	3.44	0.002	0.02	<0.1	0.05	9.5	0.2	<0.05	9	0.8
119079	Soil	13	40	1.68	160	0.071	<1	2.33	0.002	0.04	<0.1	<0.01	4.7	0.1	<0.05	6	3.0
119080	Soil	19	46	1.41	167	0.054	<1	2.20	0.003	0.04	<0.1	0.03	4.1	<0.1	<0.05	6	2.4
119081	Soil	22	31	1.66	166	0.036	<1	2.23	0.004	0.04	<0.1	<0.01	4.0	<0.1	<0.05	6	0.6
119082	Soil	28	60	1.40	135	0.058	<1	1.96	0.004	0.05	<0.1	0.02	2.9	<0.1	<0.05	5	3.7
119083	Soil	56	18	0.95	53	0.007	<1	1.44	0.003	0.05	<0.1	0.02	1.1	<0.1	<0.05	4	3.8
119084	Soil	22	57	1.13	391	0.048	<1	2.08	0.013	0.06	0.2	0.04	3.7	0.1	<0.05	6	2.3
119085	Soil	17	53	0.80	444	0.053	<1	1.73	0.011	0.06	0.3	0.04	4.8	<0.1	<0.05	5	3.3
119086	Soil	13	29	0.55	416	0.054	1	1.41	0.013	0.05	0.3	0.03	3.3	<0.1	<0.05	4	0.8
119087	Soil	14	30	0.55	540	0.058	1	1.58	0.021	0.06	0.2	0.05	3.7	<0.1	<0.05	5	<0.5
119088	Soil	14	31	0.54	460	0.050	<1	1.54	0.014	0.06	0.2	0.06	3.6	<0.1	<0.05	5	0.8
119089	Soil	14	34	0.59	430	0.062	1	1.66	0.015	0.07	0.2	0.03	4.0	<0.1	<0.05	5	<0.5
119090	Soil	13	34	0.59	325	0.071	1	1.57	0.016	0.07	0.2	0.05	3.9	<0.1	<0.05	5	<0.5
119091	Soil	13	47	0.70	345	0.059	<1	1.70	0.012	0.05	0.2	0.03	4.1	<0.1	<0.05	5	0.6
119092	Soil	13	27	0.61	286	0.052	<1	1.45	0.007	0.05	0.1	0.03	3.1	<0.1	<0.05	5	<0.5
119093	Soil	15	18	0.95	322	0.041	<1	1.73	0.005	0.09	<0.1	0.01	3.3	<0.1	<0.05	6	<0.5
119094	Soil	9	21	1.05	305	0.047	1	2.04	0.005	0.06	0.1	0.03	3.2	<0.1	<0.05	6	0.5
119095	Soil	2	14	1.59	329	0.091	<1	2.10	0.003	0.10	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5
119096	Soil	4	205	1.37	104	0.057	1	1.49	0.002	0.01	<0.1	<0.01	2.3	<0.1	0.12	4	<0.5
119097	Soil	4	208	1.76	178	0.106	<1	1.90	0.003	0.02	<0.1	<0.01	2.4	<0.1	<0.05	5	0.6
119098	Soil	6	154	1.05	112	0.064	<1	1.39	0.003	0.02	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5
119099	Soil	7	36	1.49	211	0.154	2	1.93	0.003	0.03	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5
119100	Soil	2	25	1.80	379	0.164	<1	1.97	0.004	0.34	<0.1	0.02	2.3	0.2	<0.05	5	<0.5
119101	Soil	5	32	1.76	166	0.161	<1	2.45	0.004	0.06	<0.1	0.01	1.9	<0.1	<0.05	6	<0.5
119102	Soil	1	49	1.18	90	0.114	<1	1.41	0.002	0.06	<0.1	0.01	1.3	<0.1	<0.05	3	<0.5
119103	Soil	<1	19	1.49	108	0.103	1	1.68	0.003	0.04	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5
119104	Soil	2	17	2.23	212	0.116	<1	2.39	0.002	0.27	<0.1	<0.01	2.3	<0.1	<0.05	7	<0.5
119105	Soil	<1	6	1.75	384	0.132	<1	2.05	0.003	0.41	<0.1	0.02	1.1	0.1	<0.05	5	0.7



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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
119106	Soil	0.3	41.4	5.3	65	<0.1	23.5	18.6	486	4.08	10.8	0.6	9.0	2.4	19	0.1	0.5	<0.1	70	0.30	0.045
119107	Soil	<0.1	45.6	0.9	50	<0.1	19.7	21.9	497	2.63	0.9	0.2	4.2	0.3	20	<0.1	0.2	<0.1	54	0.46	0.078
119108	Soil	0.3	38.0	1.7	61	<0.1	19.5	22.4	456	2.77	2.0	0.2	1.5	0.6	21	0.1	0.2	<0.1	49	0.42	0.069
119109	Soil	0.3	36.7	1.6	58	<0.1	22.8	21.6	511	3.23	1.7	0.3	1.8	0.9	11	<0.1	0.2	<0.1	61	0.19	0.033
119110	Soil	0.3	65.0	2.0	61	<0.1	22.3	20.2	477	3.32	1.6	0.6	9.9	1.0	15	0.2	0.2	<0.1	57	0.28	0.050
119111	Soil	0.8	21.4	3.6	118	<0.1	10.4	5.4	642	3.39	1.5	0.7	<0.5	2.3	11	<0.1	0.2	<0.1	9	0.11	0.024
119112	Soil	0.7	20.1	10.3	52	<0.1	16.2	6.3	235	2.27	7.8	1.3	1.0	7.1	7	<0.1	0.5	0.2	36	0.05	0.012
119113	Soil	0.4	31.3	8.1	58	<0.1	15.9	3.0	244	1.41	1.3	1.6	3.8	9.5	15	<0.1	0.3	0.1	7	0.09	0.005
119114	Soil	0.4	8.2	7.1	43	0.1	6.7	3.2	181	1.49	3.2	0.6	5.1	3.4	11	<0.1	0.2	0.1	22	0.07	0.011
119115	Soil	0.5	6.4	6.8	36	0.2	5.9	2.6	163	1.32	3.1	0.6	1.9	2.9	10	<0.1	0.2	0.1	22	0.06	0.009
119116	Soil	2.7	85.5	10.1	130	<0.1	65.8	19.3	956	3.84	8.2	2.0	2.1	9.9	39	0.7	0.7	0.2	51	0.13	0.047
119117	Soil	0.9	41.8	6.3	58	<0.1	20.7	10.0	463	3.04	5.4	2.0	1.6	7.6	10	<0.1	0.5	0.1	41	0.07	0.017
119118	Soil	0.4	55.9	4.2	51	<0.1	57.1	17.2	312	2.64	3.3	0.3	2.0	1.5	18	<0.1	0.2	<0.1	50	0.28	0.047
119119	Soil	0.5	16.8	5.3	77	<0.1	134.7	30.8	389	4.59	5.8	0.2	1.2	1.3	19	<0.1	0.3	<0.1	109	0.22	0.042
119120	Soil	0.6	48.6	6.2	43	<0.1	33.8	11.2	214	2.30	5.5	0.7	3.8	3.0	11	<0.1	0.3	0.1	43	0.16	0.016
119121	Soil	0.3	63.0	4.0	51	<0.1	121.8	29.0	624	3.65	2.4	0.4	2.0	1.1	17	<0.1	0.2	<0.1	71	0.27	0.051
119122	Soil	2.3	45.8	11.7	124	<0.1	45.4	13.6	442	3.36	5.9	1.2	1.0	4.3	13	0.4	0.3	0.2	65	0.13	0.051
119123	Soil	0.3	51.0	37.0	81	<0.1	95.7	18.3	667	3.57	5.0	0.9	<0.5	12.5	8	0.1	0.2	1.3	54	0.14	0.038
119124	Soil	0.9	44.7	10.7	159	<0.1	33.0	9.8	493	3.62	2.7	1.1	0.7	3.9	15	0.4	0.2	0.2	55	0.22	0.103
119125	Soil	0.3	14.9	9.0	50	<0.1	6.6	2.4	247	1.08	1.6	1.2	1.0	8.6	19	<0.1	0.2	0.1	9	0.10	0.005
119126	Soil	0.2	97.4	1.3	102	<0.1	12.9	28.9	675	4.97	1.5	0.6	0.9	0.7	19	<0.1	0.2	<0.1	89	0.37	0.057
119127	Soil	0.1	4.8	2.3	95	<0.1	5.0	8.5	402	3.05	1.1	0.5	<0.5	1.1	24	<0.1	0.1	<0.1	18	0.49	0.131
119128	Soil	0.4	46.9	5.3	94	<0.1	35.4	13.7	474	3.19	3.9	0.8	0.9	3.0	22	<0.1	0.3	<0.1	50	0.36	0.057
119129	Soil	0.4	43.0	4.4	97	<0.1	42.6	13.7	440	3.47	3.1	0.8	1.4	2.2	27	0.1	0.3	<0.1	64	0.48	0.078
119130	Soil	0.9	36.5	10.8	66	<0.1	34.0	12.2	505	3.15	6.6	0.7	4.6	5.3	20	<0.1	0.7	0.2	52	0.29	0.052
119131	Soil	3.3	69.3	13.2	168	0.1	78.5	22.1	695	3.49	5.8	1.6	1.9	8.3	20	0.7	0.5	0.2	61	0.37	0.059
119132	Soil	2.8	62.0	10.4	153	<0.1	46.7	14.1	491	3.23	34.9	0.9	58.9	8.0	12	0.3	0.9	0.2	59	0.18	0.026
119133	Soil	0.5	50.5	13.2	122	<0.1	58.4	11.9	480	3.89	5.8	0.9	4.0	20.7	17	0.3	0.5	0.2	44	0.36	0.124
119134	Soil	0.7	36.0	8.7	70	<0.1	59.7	14.3	406	3.02	8.3	0.6	3.1	3.8	19	0.1	0.7	0.2	50	0.28	0.053
119135	Soil	0.5	40.2	5.9	88	<0.1	35.9	15.0	412	3.45	3.6	1.0	2.2	3.4	18	0.2	0.3	<0.1	60	0.30	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
119106	Soil	6	31	1.21	282	0.028	1	1.92	0.006	0.06	<0.1	0.03	7.2	<0.1	<0.05	6	<0.5	<0.2
119107	Soil	<1	19	1.07	213	0.054	<1	1.38	0.005	0.07	<0.1	0.02	5.4	<0.1	<0.05	4	<0.5	<0.2
119108	Soil	2	19	1.32	173	0.053	<1	1.61	0.005	0.01	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
119109	Soil	4	52	2.10	225	0.095	<1	2.30	0.002	0.11	<0.1	<0.01	2.2	<0.1	<0.05	5	0.6	<0.2
119110	Soil	6	27	2.47	199	0.082	<1	2.54	<0.001	0.03	<0.1	0.01	2.5	0.1	<0.05	6	<0.5	<0.2
119111	Soil	7	9	1.53	101	0.066	1	2.27	0.001	0.01	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	0.2
119112	Soil	20	23	0.59	223	0.048	<1	1.56	0.004	0.03	<0.1	0.02	3.7	<0.1	<0.05	4	0.6	<0.2
119113	Soil	19	14	0.91	193	0.041	<1	1.49	0.002	0.04	<0.1	0.02	1.5	<0.1	<0.05	4	0.6	<0.2
119114	Soil	7	11	0.55	255	0.032	<1	1.46	0.003	0.03	<0.1	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
119115	Soil	7	11	0.47	223	0.027	<1	1.29	0.003	0.03	<0.1	<0.01	1.2	<0.1	<0.05	4	0.6	<0.2
119116	Soil	31	46	1.20	265	0.020	<1	2.16	0.005	0.06	<0.1	0.04	3.9	<0.1	<0.05	7	0.9	<0.2
119117	Soil	18	31	1.52	122	0.158	<1	2.12	0.003	0.08	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
119118	Soil	6	119	1.70	269	0.099	<1	1.92	0.004	0.28	<0.1	0.02	1.8	0.1	<0.05	5	0.6	<0.2
119119	Soil	4	463	2.51	427	0.210	<1	3.10	0.006	0.67	0.1	0.02	1.9	0.2	<0.05	8	<0.5	<0.2
119120	Soil	8	79	1.01	164	0.077	<1	1.67	0.004	0.03	0.1	0.04	2.2	0.1	<0.05	4	<0.5	0.2
119121	Soil	4	215	2.94	126	0.095	<1	2.94	0.002	0.05	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
119122	Soil	8	47	1.20	148	0.102	<1	2.30	0.003	0.07	<0.1	0.02	3.1	0.3	<0.05	6	0.8	<0.2
119123	Soil	31	120	2.51	137	0.059	1	2.70	0.002	0.03	<0.1	0.01	5.7	<0.1	<0.05	9	0.6	0.4
119124	Soil	12	32	1.12	152	0.046	1	2.07	0.003	0.05	<0.1	0.01	2.8	0.1	<0.05	6	1.3	<0.2
119125	Soil	21	8	0.69	134	0.031	<1	1.09	0.002	0.03	<0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
119126	Soil	2	7	3.27	341	0.119	<1	3.39	0.003	0.12	<0.1	0.02	3.2	<0.1	<0.05	9	<0.5	<0.2
119127	Soil	4	4	0.91	297	0.045	<1	1.69	0.003	0.05	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
119128	Soil	8	68	1.25	294	0.074	<1	2.04	0.004	0.03	<0.1	0.04	3.9	<0.1	<0.05	6	0.6	<0.2
119129	Soil	6	55	1.29	421	0.109	<1	2.18	0.005	0.21	<0.1	0.02	4.1	0.2	<0.05	6	0.6	<0.2
119130	Soil	13	45	0.96	298	0.042	<1	1.75	0.006	0.04	<0.1	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
119131	Soil	23	62	1.31	322	0.035	1	2.08	0.006	0.04	<0.1	0.05	4.3	0.2	<0.05	6	0.9	<0.2
119132	Soil	20	53	1.20	254	0.020	<1	1.88	0.005	0.04	0.1	0.07	5.0	<0.1	<0.05	5	1.0	<0.2
119133	Soil	45	77	1.87	236	0.012	1	2.42	0.003	0.03	<0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
119134	Soil	12	87	1.20	318	0.051	<1	1.90	0.005	0.04	0.1	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
119135	Soil	12	50	1.38	420	0.092	<1	2.15	0.003	0.09	<0.1	0.02	3.4	<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			
					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
119136	Soil																							
119137	Soil																							
119138	Soil																							
119139	Soil																							
119140	Soil																							
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119163	Soil																							
119164	Soil																							
119165	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	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
119136	Soil	7	63	1.44	389	0.086	<1	2.19	0.004	0.08	<0.1	0.01	3.1	0.1	<0.05	5	<0.5	<0.2
119137	Soil	18	33	1.36	386	0.099	<1	2.21	0.004	0.05	<0.1	0.03	4.4	0.1	<0.05	7	<0.5	<0.2
119138	Soil	17	23	1.42	309	0.058	1	1.97	0.004	0.03	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
119139	Soil	16	10	0.93	166	0.040	<1	1.32	0.002	0.04	<0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
119140	Soil	17	11	0.94	179	0.038	1	1.34	0.003	0.03	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
119141	Soil	15	6	0.91	95	0.036	1	1.12	0.002	0.03	<0.1	<0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
119142	Soil	21	12	1.26	273	0.080	<1	1.85	0.002	0.03	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
119143	Soil	11	21	0.54	227	0.052	1	1.85	0.004	0.05	0.1	0.02	1.5	0.1	<0.05	6	<0.5	<0.2
119144	Soil	8	60	1.93	431	0.224	<1	2.73	0.006	0.80	<0.1	<0.01	2.3	0.5	<0.05	7	<0.5	<0.2
119145	Soil	9	16	1.36	221	0.118	<1	2.01	0.004	0.41	<0.1	<0.01	2.6	0.1	<0.05	5	<0.5	<0.2
119146	Soil	2	17	1.41	330	0.164	<1	2.48	0.006	0.72	<0.1	<0.01	6.8	0.2	<0.05	7	<0.5	<0.2
119147	Soil	6	18	0.73	103	0.043	<1	1.75	0.004	0.07	0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
119148	Soil	2	22	1.42	87	0.066	<1	2.17	0.003	0.13	<0.1	<0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
119149	Soil	6	59	1.76	86	0.136	<1	2.74	0.003	0.11	<0.1	0.01	3.7	0.1	<0.05	7	<0.5	<0.2
119150	Soil	7	36	1.74	168	0.133	<1	3.05	0.004	0.29	<0.1	<0.01	7.0	0.2	<0.05	8	0.5	<0.2
119151	Soil	27	73	2.00	104	0.132	<1	2.94	0.002	0.21	<0.1	0.01	3.7	0.3	<0.05	8	<0.5	<0.2
119152	Soil	6	12	1.11	256	0.151	<1	2.21	0.006	0.32	<0.1	0.01	3.7	0.1	<0.05	6	0.6	<0.2
119153	Soil	4	129	2.41	259	0.155	<1	3.31	0.005	0.34	<0.1	<0.01	6.8	0.2	<0.05	8	<0.5	<0.2
119154	Soil	3	29	1.66	399	0.166	1	2.39	0.004	0.40	<0.1	<0.01	1.9	0.2	<0.05	6	<0.5	<0.2
119155	Soil	6	149	2.54	250	0.211	<1	3.64	0.005	0.21	<0.1	<0.01	8.2	0.1	<0.05	10	<0.5	<0.2
119156	Soil	10	185	3.19	1094	0.356	<1	3.70	0.010	1.12	<0.1	<0.01	13.9	0.5	<0.05	10	<0.5	<0.2
119157	Soil	3	33	1.68	314	0.234	<1	2.74	0.006	0.71	<0.1	<0.01	1.4	0.5	<0.05	6	<0.5	<0.2
119158	Soil	7	18	0.50	174	0.064	1	1.66	0.004	0.08	0.1	0.01	1.6	0.1	<0.05	4	<0.5	<0.2
119159	Soil	3	7	0.22	122	0.060	<1	0.96	0.002	0.15	<0.1	<0.01	0.8	0.1	<0.05	2	<0.5	<0.2
119160	Soil	6	209	3.22	289	0.209	<1	3.78	0.004	0.18	<0.1	0.03	11.5	0.2	<0.05	9	<0.5	<0.2
119161	Soil	14	261	2.36	678	0.214	<1	3.74	0.007	0.33	<0.1	0.06	15.7	0.2	<0.05	9	0.7	<0.2
119162	Soil	21	65	0.78	432	0.113	<1	2.69	0.008	0.06	<0.1	0.07	7.2	<0.1	<0.05	7	<0.5	<0.2
119163	Soil	21	36	0.47	354	0.066	<1	1.76	0.006	0.06	0.1	0.07	5.2	<0.1	<0.05	5	<0.5	<0.2
119164	Soil	19	29	0.50	407	0.051	1	1.63	0.009	0.05	0.2	0.08	4.7	<0.1	<0.05	5	<0.5	<0.2
119165	Soil	18	28	0.48	414	0.047	1	1.43	0.009	0.05	0.2	0.08	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
119166	Soil	0.5	27.3	7.7	41	<0.1	21.1	6.9	149	1.63	7.7	0.7	1.6	5.5	6	<0.1	0.5	0.1	26	0.07	0.009
119167	Soil	1.2	34.7	10.6	54	<0.1	25.5	8.3	151	2.42	11.7	1.2	3.4	6.3	10	<0.1	0.9	0.2	47	0.10	0.015
119168	Soil	1.1	38.3	12.3	74	0.1	32.1	10.9	484	2.57	12.7	0.6	5.9	4.7	22	0.2	1.1	0.1	41	0.36	0.062
119169	Soil	1.0	36.5	10.8	58	<0.1	27.0	9.1	317	2.47	11.7	0.6	5.1	4.9	18	<0.1	0.9	0.1	43	0.28	0.041
119170	Soil	1.5	35.6	11.9	59	<0.1	28.1	9.7	326	2.60	12.6	0.8	5.0	5.3	18	<0.1	0.9	0.2	47	0.24	0.027
119171	Soil	1.4	35.5	11.9	65	<0.1	31.5	11.3	440	2.61	12.2	0.6	1.5	4.7	20	0.1	1.0	0.2	49	0.29	0.044
120043	Soil	0.5	14.4	12.4	67	<0.1	5.8	3.7	157	1.36	1.6	1.9	<0.5	15.2	4	0.1	0.2	0.1	8	0.03	0.011
120044	Soil	0.5	67.5	12.2	72	0.2	70.6	17.9	399	3.29	5.1	0.7	2.8	6.6	11	<0.1	0.2	0.1	77	0.25	0.062
120045	Soil	3.5	42.3	604.0	62	1.5	4.2	1.6	127	2.18	5.7	3.8	2.8	14.3	3	0.1	0.4	1.1	15	0.02	0.042
120046	Soil	0.2	1.3	2.2	7	<0.1	1.4	0.3	14	0.15	0.9	0.2	<0.5	3.2	1	<0.1	<0.1	0.1	6	<0.01	0.004
120047	Soil	1.7	29.9	16.4	60	0.5	29.0	10.6	328	3.85	10.5	1.0	<0.5	4.3	7	0.2	0.5	0.2	65	0.08	0.089
120048	Soil	1.3	16.7	8.3	69	0.1	35.0	14.0	344	4.00	4.1	0.6	<0.5	10.6	5	0.1	0.2	0.2	33	0.06	0.033
120049	Soil	1.1	39.9	7.7	96	0.1	20.9	8.2	428	4.08	3.7	0.6	2.6	7.3	4	0.3	0.2	0.1	64	0.05	0.093
120050	Soil	1.8	23.9	13.1	64	0.4	25.3	8.6	262	2.84	4.9	0.8	3.8	5.0	8	<0.1	0.3	0.2	58	0.09	0.026
120051	Soil	0.7	13.9	19.9	64	0.3	40.7	9.8	323	3.18	5.4	1.8	2.1	11.0	8	<0.1	0.3	0.1	45	0.10	0.037
120052	Soil	0.7	39.3	11.5	86	0.3	57.1	15.0	343	3.63	6.1	0.8	1.8	7.5	6	0.1	0.3	0.2	67	0.08	0.019
120053	Soil	1.4	37.5	12.1	85	<0.1	38.5	12.2	380	3.47	7.4	1.6	1.3	6.9	11	0.1	0.3	0.4	66	0.15	0.046
120054	Soil	1.3	69.0	10.8	131	<0.1	73.0	22.7	752	3.81	2.6	3.2	0.5	10.4	13	0.3	<0.1	0.3	68	0.28	0.114
120055	Soil	2.0	61.3	11.5	95	<0.1	47.8	14.9	527	3.54	7.1	1.7	3.0	9.5	13	0.2	0.4	0.2	56	0.23	0.058
120056	Soil	0.7	40.5	10.0	67	<0.1	28.9	11.0	312	2.78	7.3	1.0	4.3	4.7	9	<0.1	0.4	0.1	50	0.12	0.032
120057	Soil	1.3	60.8	13.0	80	<0.1	40.6	19.0	663	4.00	3.0	1.0	<0.5	10.3	16	<0.1	0.2	0.2	70	0.34	0.101
120058	Soil	0.8	19.4	17.6	55	<0.1	13.8	6.2	244	1.65	1.9	1.0	<0.5	17.7	6	0.1	0.1	0.4	19	0.11	0.041
120059	Soil	4.7	20.4	47.9	79	0.1	25.1	6.8	279	2.97	8.3	1.0	3.0	7.2	7	0.2	0.4	10.5	57	0.07	0.027
120060	Soil	5.4	22.8	56.3	82	0.1	26.8	7.6	313	3.21	7.8	1.3	2.2	8.6	7	0.2	0.4	14.3	55	0.07	0.033
120061	Soil	0.6	26.8	11.5	53	<0.1	14.6	10.4	400	2.47	3.2	1.0	<0.5	5.8	16	0.1	<0.1	0.1	54	0.13	0.074
120062	Soil	1.0	29.2	8.9	62	<0.1	18.6	12.0	399	3.16	6.7	0.8	1.7	6.5	8	0.2	0.4	0.1	62	0.10	0.025
120063	Soil	2.2	35.7	9.9	68	<0.1	26.3	9.5	467	2.83	2.8	1.4	<0.5	15.2	7	0.1	0.1	0.2	29	0.12	0.061
120064	Soil	2.4	50.2	13.4	93	<0.1	44.2	13.5	565	4.74	4.6	1.5	<0.5	7.3	4	0.2	0.2	0.1	76	0.06	0.092
120065	Soil	2.6	39.3	39.2	124	<0.1	13.0	6.3	386	2.62	2.6	3.5	<0.5	26.2	10	0.1	0.1	<0.1	9	0.14	0.040
120066	Soil	7.6	66.5	18.5	134	0.2	66.9	15.0	522	3.37	2.6	4.5	<0.5	25.6	4	0.2	0.2	0.2	22	0.05	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
119166	Soil	13	19	0.30	161	0.030	1	1.01	0.003	0.03	0.1	0.02	2.9	<0.1	0.05	3	0.8	<0.2
119167	Soil	15	31	0.42	264	0.043	1	1.42	0.006	0.04	0.3	0.06	5.7	<0.1	<0.05	4	1.0	<0.2
119168	Soil	12	28	0.45	398	0.038	2	1.20	0.010	0.05	0.3	0.06	3.4	<0.1	<0.05	4	1.0	<0.2
119169	Soil	12	28	0.44	412	0.036	1	1.24	0.009	0.04	0.2	0.07	3.7	<0.1	<0.05	4	1.0	<0.2
119170	Soil	13	33	0.43	426	0.048	2	1.41	0.010	0.05	0.3	0.05	4.1	<0.1	<0.05	5	1.2	<0.2
119171	Soil	12	29	0.41	413	0.048	1	1.33	0.011	0.06	0.1	0.06	4.0	<0.1	<0.05	4	0.8	<0.2
120043	Soil	34	9	0.58	152	0.053	1	1.11	0.003	0.24	<0.1	<0.01	0.9	0.2	<0.05	3	0.8	<0.2
120044	Soil	12	183	2.25	399	0.107	1	2.66	0.005	0.34	<0.1	0.01	6.3	0.4	<0.05	9	1.1	<0.2
120045	Soil	16	9	0.31	132	0.025	2	1.08	0.002	0.04	<0.1	0.04	1.4	0.2	<0.05	4	1.6	<0.2
120046	Soil	5	2	0.02	44	0.005	<1	0.38	<0.001	0.04	<0.1	<0.01	0.4	0.1	<0.05	2	<0.5	<0.2
120047	Soil	7	32	0.59	214	0.029	<1	2.34	0.005	0.05	0.2	0.03	2.7	<0.1	<0.05	7	1.1	<0.2
120048	Soil	40	35	0.69	272	0.003	<1	1.96	0.002	0.07	<0.1	0.01	1.9	0.2	<0.05	5	0.8	<0.2
120049	Soil	20	46	1.42	140	0.019	1	2.08	0.003	0.06	<0.1	0.02	3.6	<0.1	<0.05	9	0.9	<0.2
120050	Soil	11	46	0.91	156	0.055	1	1.80	0.005	0.06	<0.1	0.01	2.7	0.2	<0.05	7	0.7	<0.2
120051	Soil	16	38	1.15	105	0.032	<1	2.35	0.003	0.09	0.1	0.02	4.4	0.1	<0.05	7	0.9	<0.2
120052	Soil	15	98	1.77	148	0.089	<1	2.79	0.005	0.11	<0.1	0.03	6.4	0.3	<0.05	7	<0.5	<0.2
120053	Soil	16	47	1.28	222	0.080	1	2.22	0.006	0.26	0.1	0.02	4.9	0.5	<0.05	7	0.8	<0.2
120054	Soil	30	74	2.16	210	0.061	<1	2.51	0.002	0.16	<0.1	<0.01	5.4	0.4	<0.05	8	1.6	<0.2
120055	Soil	22	52	1.38	278	0.071	<1	2.01	0.005	0.16	0.1	0.02	5.5	0.3	<0.05	6	1.6	<0.2
120056	Soil	13	38	0.86	209	0.049	1	1.83	0.006	0.04	0.1	0.04	3.6	0.1	<0.05	5	0.6	<0.2
120057	Soil	22	45	1.87	204	0.098	<1	2.45	0.005	0.31	<0.1	0.01	5.3	0.3	<0.05	8	1.3	<0.2
120058	Soil	29	16	0.75	90	0.028	<1	1.19	0.002	0.13	<0.1	<0.01	2.2	0.2	<0.05	4	1.0	<0.2
120059	Soil	13	34	0.83	99	0.056	1	1.86	0.005	0.06	0.2	0.02	3.3	0.2	<0.05	7	0.8	0.4
120060	Soil	14	35	0.91	111	0.059	1	2.05	0.006	0.07	0.2	0.02	3.5	0.2	<0.05	7	1.1	0.2
120061	Soil	8	38	1.09	93	0.135	<1	1.58	0.002	0.22	<0.1	<0.01	2.6	0.1	<0.05	5	0.8	<0.2
120062	Soil	12	35	1.39	162	0.120	2	2.52	0.005	0.20	<0.1	0.01	4.8	0.2	<0.05	6	0.7	<0.2
120063	Soil	13	27	0.99	123	0.065	<1	1.58	0.003	0.25	<0.1	<0.01	2.9	0.4	<0.05	5	0.7	<0.2
120064	Soil	7	62	1.71	94	0.075	<1	2.30	0.003	0.11	<0.1	0.02	4.9	0.3	<0.05	7	1.2	<0.2
120065	Soil	58	11	1.43	151	0.022	<1	1.80	0.003	0.07	<0.1	<0.01	2.2	0.2	<0.05	6	1.1	<0.2
120066	Soil	37	28	0.96	119	0.034	<1	1.52	0.006	0.03	<0.1	0.02	2.5	0.1	<0.05	4	2.2	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					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
120067	Soil				6.0	36.5	32.9	119	<0.1	32.8	9.4	518	3.44	5.6	1.8	<0.5	17.1	5	0.2	0.4	0.2	29	0.05	0.057
120068	Soil				6.4	73.4	23.8	158	0.1	57.4	12.6	666	3.80	4.2	2.5	2.9	23.0	5	0.2	0.3	0.3	34	0.07	0.054
120069	Soil				1.5	31.6	11.2	58	0.4	28.0	7.0	123	2.40	6.1	1.0	<0.5	11.8	5	<0.1	0.3	0.2	34	0.05	0.033
120070	Soil				2.5	41.7	7.8	95	0.1	26.0	6.5	209	2.66	4.5	2.2	<0.5	15.1	7	<0.1	0.3	0.1	35	0.02	0.024
120071	Soil				5.6	91.8	14.6	102	0.2	39.1	19.8	386	4.85	10.5	0.9	<0.5	4.6	11	0.3	0.6	0.8	86	0.11	0.066
120072	Soil				3.6	46.3	18.8	95	0.1	33.7	20.5	862	4.27	2.7	2.1	1.1	3.5	20	0.6	0.2	0.3	67	0.26	0.124
120073	Soil				1.2	16.3	186.0	122	0.6	6.5	2.7	87	2.56	1.2	3.2	1.4	15.9	19	0.3	0.4	0.4	10	0.07	0.030
120074	Soil				0.9	27.1	8.4	77	<0.1	33.6	12.6	422	3.02	3.0	0.7	0.8	4.7	7	0.2	0.2	0.2	47	0.13	0.057
120075	Soil				3.8	54.2	10.5	152	<0.1	40.1	12.5	454	3.94	2.2	1.7	1.1	8.4	10	0.3	0.2	0.2	75	0.16	0.059
120076	Soil				2.0	15.7	10.2	51	0.2	16.5	5.2	180	2.77	9.6	0.5	1.8	2.6	8	0.2	0.5	0.2	62	0.08	0.035
120077	Soil				1.8	35.4	10.9	79	<0.1	20.5	6.3	264	2.76	1.7	0.8	1.2	7.6	6	0.1	0.1	0.3	43	0.09	0.062
120078	Soil				0.8	18.7	11.6	48	0.1	16.0	6.8	173	2.64	9.0	1.0	3.1	4.3	8	0.1	0.5	0.2	51	0.07	0.022
120079	Soil				2.1	40.4	9.9	94	0.1	32.5	13.9	467	3.72	4.3	1.0	1.4	4.5	9	0.3	0.3	0.3	72	0.14	0.074
120080	Soil				0.7	24.9	7.2	52	0.4	117.0	13.8	341	2.67	16.5	1.0	2.4	9.4	9	<0.1	0.3	0.1	55	0.11	0.013
120081	Soil				0.8	21.3	10.1	49	0.3	17.6	9.0	234	2.93	10.5	0.4	1.7	3.1	7	<0.1	0.7	0.2	59	0.07	0.023
120082	Soil				0.7	14.0	8.6	62	0.2	14.9	13.4	313	2.53	4.9	0.3	0.8	2.8	7	0.1	0.4	0.2	56	0.08	0.045
120083	Soil				0.5	15.5	8.8	37	<0.1	13.2	5.0	112	1.70	6.9	1.1	<0.5	4.7	10	<0.1	0.4	0.3	32	0.13	0.038
120084	Soil				0.3	5.5	5.0	49	<0.1	4.4	4.1	171	1.18	2.4	1.3	<0.5	6.8	9	0.1	0.2	<0.1	9	0.14	0.054
120085	Soil				0.4	17.1	11.6	58	<0.1	5.5	3.3	193	1.27	2.3	1.7	2.9	7.7	15	<0.1	0.2	<0.1	11	0.14	0.054
120086	Soil				1.1	11.8	10.5	57	0.1	13.6	5.9	183	2.15	9.2	0.6	1.0	3.5	8	<0.1	0.6	0.2	35	0.08	0.046
120087	Soil				0.8	14.9	8.5	61	0.3	12.9	6.3	201	2.01	5.4	1.3	0.8	6.0	9	0.1	0.4	0.1	27	0.08	0.039
120088	Soil				0.5	14.1	7.9	54	<0.1	13.8	4.6	177	1.58	4.0	2.2	1.2	9.8	15	0.1	0.2	0.1	20	0.11	0.052
120089	Soil				0.6	15.1	12.5	47	<0.1	14.1	5.7	134	1.80	7.8	0.9	2.8	8.7	9	0.1	0.6	0.1	30	0.07	0.016
120090	Soil				0.6	24.0	6.9	57	0.1	18.4	9.1	208	2.45	3.4	0.7	1.2	3.0	12	<0.1	0.3	0.1	59	0.17	0.022
120091	Soil				0.5	29.2	10.2	89	0.2	16.8	6.5	232	2.52	4.8	1.2	5.6	6.7	12	<0.1	0.3	0.1	41	0.15	0.024
120092	Soil				0.3	24.9	21.4	41	<0.1	6.4	3.0	105	1.16	3.5	1.6	0.8	15.9	3	<0.1	0.2	0.2	14	0.04	0.017
120093	Soil				0.5	4.3	12.0	17	<0.1	3.8	1.4	60	0.83	2.6	0.7	1.3	2.3	12	<0.1	0.1	0.2	20	0.07	0.039
120094	Soil				0.7	20.4	15.5	83	<0.1	12.2	5.4	186	2.12	6.3	0.7	<0.5	3.7	11	0.1	0.5	0.2	34	0.08	0.021
120095	Soil				0.4	43.7	7.9	70	<0.1	37.4	11.7	294	3.01	2.8	0.4	1.0	1.6	21	<0.1	0.3	<0.1	62	0.32	0.017
120096	Soil				1.6	17.7	14.0	67	0.2	24.4	8.7	217	3.00	13.9	0.4	1.0	4.7	9	<0.1	0.8	0.2	61	0.08	0.080



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	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
120067	Soil	29	23	0.57	142	0.010	<1	1.75	0.004	0.08	<0.1	0.01	2.1	0.2	<0.05	5	1.1	<0.2
120068	Soil	60	24	1.19	150	0.026	<1	1.75	0.004	0.05	0.1	0.02	3.3	<0.1	<0.05	6	2.0	<0.2
120069	Soil	29	20	0.42	171	0.039	1	1.49	0.003	0.08	<0.1	0.01	2.1	0.1	<0.05	5	<0.5	<0.2
120070	Soil	35	25	1.13	114	0.046	2	1.80	0.003	0.05	<0.1	<0.01	4.0	0.1	<0.05	5	<0.5	<0.2
120071	Soil	14	35	0.73	338	0.067	3	2.59	0.005	0.07	0.2	<0.01	5.0	0.2	<0.05	7	0.7	0.2
120072	Soil	7	30	1.30	133	0.056	<1	2.04	0.003	0.14	<0.1	<0.01	4.1	0.2	<0.05	6	1.0	<0.2
120073	Soil	30	8	0.61	121	0.077	<1	0.94	0.004	0.18	<0.1	<0.01	1.7	0.3	0.11	3	<0.5	<0.2
120074	Soil	7	49	1.51	126	0.068	1	2.07	0.006	0.11	<0.1	0.02	4.7	0.2	<0.05	6	<0.5	<0.2
120075	Soil	28	109	2.15	163	0.118	<1	2.55	0.002	0.07	<0.1	0.02	4.0	0.4	<0.05	7	0.7	<0.2
120076	Soil	9	25	0.52	116	0.052	<1	1.31	0.005	0.03	0.1	0.01	1.6	0.1	<0.05	6	<0.5	<0.2
120077	Soil	27	42	1.23	58	0.025	<1	1.59	0.002	0.06	<0.1	<0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
120078	Soil	11	31	0.42	152	0.044	2	1.93	0.006	0.03	0.1	0.01	2.5	0.1	<0.05	5	<0.5	<0.2
120079	Soil	11	82	1.60	170	0.078	<1	2.37	0.004	0.14	<0.1	0.02	5.1	0.2	<0.05	7	0.6	<0.2
120080	Soil	24	177	1.79	186	0.079	2	2.03	0.008	0.12	<0.1	0.02	6.7	0.3	<0.05	6	<0.5	<0.2
120081	Soil	9	33	0.63	133	0.062	<1	1.99	0.005	0.04	0.2	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
120082	Soil	8	32	0.58	193	0.045	1	1.88	0.005	0.05	0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
120083	Soil	16	17	0.35	139	0.031	<1	1.07	0.003	0.04	0.2	0.03	1.9	0.1	<0.05	3	<0.5	<0.2
120084	Soil	21	6	0.28	37	0.033	<1	0.73	0.001	0.06	<0.1	<0.01	0.9	<0.1	<0.05	4	<0.5	<0.2
120085	Soil	15	8	0.41	59	0.055	<1	0.81	0.003	0.18	<0.1	<0.01	0.9	0.2	<0.05	4	<0.5	<0.2
120086	Soil	9	19	0.36	120	0.035	<1	1.49	0.003	0.05	0.2	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
120087	Soil	12	18	0.41	151	0.042	<1	1.34	0.003	0.08	<0.1	0.01	1.5	0.1	<0.05	4	<0.5	<0.2
120088	Soil	24	16	0.53	90	0.061	<1	1.34	0.006	0.10	<0.1	<0.01	1.4	0.2	<0.05	5	<0.5	<0.2
120089	Soil	14	19	0.45	128	0.048	<1	1.12	0.004	0.05	0.3	0.01	1.5	0.1	<0.05	3	<0.5	<0.2
120090	Soil	10	46	0.85	319	0.105	<1	1.63	0.007	0.20	0.1	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
120091	Soil	16	33	0.89	223	0.081	<1	1.81	0.005	0.15	<0.1	0.01	2.5	0.2	<0.05	6	<0.5	<0.2
120092	Soil	41	10	0.26	75	0.027	<1	0.80	0.003	0.06	<0.1	<0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
120093	Soil	11	10	0.10	138	0.018	<1	0.64	0.003	0.04	<0.1	0.01	0.9	<0.1	<0.05	3	<0.5	<0.2
120094	Soil	9	20	0.45	147	0.053	<1	1.49	0.003	0.08	<0.1	<0.01	1.7	0.1	<0.05	4	<0.5	<0.2
120095	Soil	6	91	1.44	410	0.153	<1	2.24	0.011	0.19	<0.1	<0.01	4.4	0.2	<0.05	6	<0.5	<0.2
120096	Soil	9	34	0.42	261	0.046	<1	2.42	0.005	0.07	0.2	0.03	2.1	<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
		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
120097	Soil	0.8	9.5	10.5	52	<0.1	12.9	6.0	154	2.10	7.6	0.4	0.8	2.7	8	<0.1	0.4	0.1	33	0.07
120098	Soil	1.1	68.3	10.4	76	0.1	38.0	18.6	372	4.13	4.2	0.6	<0.5	2.9	10	0.1	0.3	<0.1	108	0.19
120099	Soil	0.9	21.0	11.2	60	<0.1	24.6	9.6	227	2.56	5.9	1.1	2.1	6.3	15	<0.1	0.6	0.1	53	0.15
120100	Soil	1.0	16.3	14.1	46	0.1	15.1	6.2	175	1.87	6.3	0.6	1.2	3.2	9	<0.1	0.6	0.1	34	0.10
120101	Soil	1.0	24.8	10.6	48	0.1	22.7	7.3	228	2.07	8.5	1.1	0.9	4.3	23	<0.1	0.6	0.1	40	0.28
120102	Soil	1.0	27.1	10.2	43	<0.1	19.8	8.6	318	2.11	9.9	2.2	2.1	4.7	22	<0.1	0.6	0.1	41	0.29
120103	Soil	0.9	22.3	9.0	38	<0.1	18.4	7.3	160	2.07	8.1	0.8	<0.5	5.0	8	<0.1	0.6	0.2	37	0.08
120104	Soil	1.2	28.6	8.6	56	<0.1	22.9	8.2	202	2.25	9.1	1.4	3.3	5.5	12	<0.1	0.9	0.2	44	0.12
120105	Soil	1.0	27.0	11.1	58	<0.1	22.3	8.5	228	2.42	11.6	0.7	1.4	4.6	19	<0.1	0.8	0.2	40	0.19
120106	Soil	0.6	12.4	6.5	45	<0.1	14.8	8.6	254	1.65	10.0	0.4	1.2	3.4	14	0.1	0.6	<0.1	27	0.18
121001	Soil	0.7	10.5	21.4	36	<0.1	7.7	2.7	152	0.75	4.5	1.4	<0.5	23.7	4	0.1	0.3	0.3	15	0.04
121002	Soil	0.5	16.7	30.1	59	<0.1	8.5	4.7	171	1.29	3.5	1.9	1.7	13.8	6	<0.1	0.3	0.3	18	0.05
121003	Soil	0.6	11.3	15.5	39	0.2	7.2	3.0	115	1.42	5.3	1.0	0.8	13.9	4	0.1	0.3	0.3	27	0.04
121004	Soil	0.2	37.7	4.2	62	0.1	18.1	9.8	383	3.11	2.1	0.4	1.5	2.0	10	<0.1	0.2	<0.1	67	0.11
121005	Soil	0.8	10.5	30.7	17	<0.1	3.5	1.6	51	0.94	2.5	1.6	<0.5	16.0	12	<0.1	0.3	0.4	9	0.01
121006	Soil	0.2	56.0	3.2	74	<0.1	12.3	7.7	455	3.19	1.3	1.0	1.3	3.4	12	<0.1	0.1	<0.1	56	0.17
121007	Soil	0.1	12.5	3.8	22	<0.1	5.9	3.5	99	0.84	1.9	0.5	<0.5	2.6	9	<0.1	0.1	<0.1	14	0.14
121008	Soil	0.6	50.3	4.6	70	<0.1	12.4	11.1	537	3.40	1.3	0.6	0.6	3.2	7	<0.1	0.1	<0.1	61	0.11
121009	Soil	0.2	28.0	2.5	55	<0.1	10.9	7.7	277	2.31	1.6	0.3	0.8	1.3	9	<0.1	0.1	<0.1	46	0.10
121010	Soil	0.2	41.1	2.2	64	<0.1	8.1	9.8	470	2.67	1.3	0.5	<0.5	2.4	10	<0.1	0.1	<0.1	48	0.11



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Project: Aussie-Melba
Report Date: June 28, 2011

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CERTIFICATE OF ANALYSIS

WHI11000249.1

	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
120097	Soil	7	16	0.35	180	0.038	<1	1.49	0.003	0.05	0.1	<0.01	1.2	0.1	<0.05	4	<0.5	<0.2
120098	Soil	5	75	1.51	202	0.175	<1	2.75	0.010	0.08	<0.1	<0.01	4.9	<0.1	<0.05	10	<0.5	<0.2
120099	Soil	20	50	0.78	270	0.121	<1	1.74	0.007	0.07	<0.1	0.01	3.8	<0.1	<0.05	6	0.6	<0.2
120100	Soil	11	20	0.37	180	0.033	<1	1.18	0.004	0.04	0.2	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
120101	Soil	14	26	0.41	398	0.046	<1	1.23	0.009	0.04	0.3	0.02	3.0	<0.1	<0.05	4	0.7	<0.2
120102	Soil	16	25	0.38	377	0.036	<1	1.25	0.007	0.04	0.2	0.03	3.6	<0.1	<0.05	4	0.9	<0.2
120103	Soil	13	24	0.38	167	0.038	<1	1.32	0.003	0.03	0.2	0.02	2.4	0.1	<0.05	4	0.7	<0.2
120104	Soil	18	27	0.39	253	0.050	<1	1.38	0.006	0.04	0.2	0.02	4.3	<0.1	<0.05	4	0.5	<0.2
120105	Soil	15	25	0.41	279	0.049	<1	1.24	0.009	0.05	0.2	0.04	3.1	<0.1	<0.05	4	1.3	<0.2
120106	Soil	9	14	0.29	104	0.026	<1	0.71	0.004	0.03	0.3	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
121001	Soil	25	10	0.17	73	0.022	2	0.70	0.002	0.06	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	0.5
121002	Soil	31	13	0.42	130	0.052	<1	1.03	0.003	0.09	0.1	0.01	1.7	0.2	<0.05	3	<0.5	<0.2
121003	Soil	27	12	0.20	99	0.021	<1	0.76	0.003	0.06	0.1	0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
121004	Soil	7	39	1.48	210	0.063	<1	2.08	0.003	0.15	<0.1	<0.01	5.9	<0.1	<0.05	6	<0.5	<0.2
121005	Soil	20	5	0.12	110	0.035	<1	0.47	0.004	0.06	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
121006	Soil	14	19	1.30	215	0.027	<1	1.93	0.004	0.03	<0.1	<0.01	6.0	<0.1	<0.05	6	<0.5	<0.2
121007	Soil	5	7	0.23	61	0.044	<1	0.58	0.002	0.10	0.4	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
121008	Soil	7	19	1.69	139	0.102	<1	2.30	0.004	0.30	<0.1	<0.01	5.7	0.1	<0.05	6	<0.5	<0.2
121009	Soil	4	20	1.11	225	0.066	<1	1.55	0.003	0.26	<0.1	<0.01	6.2	<0.1	<0.05	5	<0.5	<0.2
121010	Soil	7	14	1.26	188	0.101	<1	1.77	0.004	0.32	<0.1	<0.01	2.5	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	%
Pulp Duplicates		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
117103	Soil	1.3	26.0	12.5	93	<0.1	32.6	12.7	337	3.53	4.6	0.7	<0.5	4.6	18	<0.1	0.4	0.1	65	0.24
REP 117103	QC	1.4	26.5	12.5	91	<0.1	33.5	12.8	346	3.60	4.8	0.7	<0.5	4.7	18	<0.1	0.4	0.1	65	0.24
118044	Soil	1.0	19.8	16.9	26	0.1	5.4	5.5	236	1.84	3.3	1.4	<0.5	12.4	3	<0.1	0.2	<0.1	8	0.03
REP 118044	QC	0.8	19.9	16.9	26	0.1	5.8	5.4	238	1.86	3.1	1.3	<0.5	11.1	3	<0.1	0.2	<0.1	7	0.03
118051	Soil	1.5	41.5	9.2	83	0.4	31.8	12.2	311	3.42	14.1	0.8	<0.5	2.3	10	0.1	0.4	0.1	59	0.13
REP 118051	QC	1.3	41.5	9.2	85	0.4	31.2	12.0	306	3.32	13.7	0.7	<0.5	2.4	10	<0.1	0.4	0.1	58	0.13
118083	Soil	0.9	14.6	35.8	43	<0.1	8.1	6.4	241	1.46	6.0	2.1	<0.5	10.7	20	0.5	0.3	0.2	12	0.16
REP 118083	QC	0.9	15.9	34.0	46	<0.1	8.0	6.3	252	1.53	6.2	2.1	<0.5	10.6	21	0.5	0.3	0.2	12	0.16
118098	Soil	<0.1	4.9	4.1	13	<0.1	1.9	2.2	176	0.34	0.6	1.3	<0.5	8.9	5	<0.1	<0.1	<0.1	3	0.03
REP 118098	QC	<0.1	5.0	4.3	13	<0.1	2.0	2.2	169	0.34	0.6	1.3	<0.5	8.5	5	<0.1	<0.1	<0.1	3	0.03
118110	Soil	12.3	83.0	14.4	202	0.1	77.8	20.3	907	4.42	3.1	1.9	<0.5	5.8	11	1.0	0.2	0.3	80	0.23
REP 118110	QC	11.9	82.6	14.2	201	0.1	77.0	20.4	901	4.39	2.7	2.0	0.5	5.8	11	1.2	0.2	0.3	80	0.22
118126	Soil	0.2	87.7	1.6	25	<0.1	27.5	16.5	334	2.13	0.7	0.2	3.9	0.6	18	<0.1	<0.1	<0.1	37	0.37
REP 118126	QC	0.2	91.6	1.6	27	<0.1	29.4	17.8	340	2.21	0.7	0.2	3.5	0.7	19	<0.1	0.1	<0.1	36	0.37
119053	Soil	1.7	18.9	58.0	80	<0.1	33.4	21.7	1205	4.82	3.7	0.7	0.7	6.7	17	<0.1	0.2	0.9	56	0.22
REP 119053	QC	1.7	19.9	60.9	83	<0.1	35.5	23.0	1257	5.11	4.2	0.7	1.3	7.4	19	0.1	0.2	0.9	58	0.23
119077	Soil	2.6	95.3	9.7	106	<0.1	102.6	29.5	779	4.87	36.8	1.5	1.5	10.9	4	0.2	0.4	0.3	61	0.10
REP 119077	QC	2.3	89.7	8.1	94	<0.1	92.2	27.1	762	4.49	32.2	1.4	1.4	10.6	3	0.2	0.3	<0.1	55	0.08
119090	Soil	1.2	30.5	9.9	77	<0.1	25.7	10.1	289	2.78	11.1	0.7	2.7	5.2	24	<0.1	0.8	0.1	53	0.41
REP 119090	QC	1.2	30.9	9.9	76	<0.1	27.4	10.3	286	2.74	10.9	0.6	6.7	5.2	24	<0.1	0.8	0.1	51	0.38
119096	Soil	0.3	50.3	3.3	32	<0.1	69.1	12.6	217	1.96	2.9	0.3	4.8	1.3	8	<0.1	0.3	<0.1	40	0.13
REP 119096	QC	0.3	48.5	3.3	32	<0.1	66.6	12.4	211	1.90	2.7	0.3	4.5	1.3	8	<0.1	0.3	<0.1	39	0.15
119125	Soil	0.3	14.9	9.0	50	<0.1	6.6	2.4	247	1.08	1.6	1.2	1.0	8.6	19	<0.1	0.2	0.1	9	0.10
REP 119125	QC	0.4	15.8	9.0	52	<0.1	6.5	2.3	249	1.06	1.5	1.1	<0.5	8.5	18	<0.1	0.2	<0.1	9	0.09
119147	Soil	0.5	20.5	6.6	62	<0.1	12.5	7.8	274	2.86	7.7	0.4	<0.5	2.4	8	<0.1	0.4	0.1	44	0.09
REP 119147	QC	0.6	21.2	6.9	66	<0.1	13.1	8.3	290	2.92	7.9	0.4	<0.5	2.6	9	<0.1	0.5	0.2	48	0.09
119156	Soil	0.5	32.1	3.9	59	<0.1	89.8	25.9	962	4.42	1.8	0.8	<0.5	2.3	14	<0.1	0.3	<0.1	176	0.19
REP 119156	QC	0.5	32.5	3.7	60	<0.1	93.3	25.7	986	4.38	1.8	0.8	<0.5	2.3	13	<0.1	0.3	<0.1	179	0.20



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
117103	Soil	8	72	1.41	246	0.139	<1	2.53	0.004	0.25	<0.1	0.02	2.8	0.2	<0.05	8	<0.5	<0.2
REP 117103	QC	8	73	1.44	253	0.139	<1	2.55	0.005	0.25	0.1	0.01	2.9	0.2	<0.05	8	0.6	<0.2
118044	Soil	31	9	0.09	206	0.004	<1	0.99	0.002	0.09	<0.1	0.02	1.1	<0.1	<0.05	1	<0.5	<0.2
REP 118044	QC	28	9	0.09	204	0.004	<1	0.93	0.002	0.09	<0.1	0.02	1.1	0.1	<0.05	1	<0.5	<0.2
118051	Soil	4	33	0.91	219	0.102	<1	1.87	0.002	0.04	<0.1	<0.01	2.8	<0.1	<0.05	6	0.7	<0.2
REP 118051	QC	3	32	0.89	213	0.099	<1	1.79	0.002	0.04	<0.1	<0.01	2.7	<0.1	<0.05	6	0.6	<0.2
118083	Soil	25	10	0.22	79	0.040	<1	0.76	0.002	0.06	<0.1	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
REP 118083	QC	23	10	0.23	76	0.044	<1	0.79	0.002	0.07	<0.1	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
118098	Soil	10	2	0.09	22	0.021	<1	0.35	<0.001	0.04	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
REP 118098	QC	10	3	0.08	23	0.021	<1	0.34	0.002	0.04	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
118110	Soil	10	90	1.82	74	0.055	<1	2.12	0.003	0.08	<0.1	<0.01	4.9	0.2	<0.05	6	3.3	<0.2
REP 118110	QC	10	89	1.77	75	0.055	<1	2.08	0.003	0.08	<0.1	<0.01	4.9	0.2	<0.05	6	2.8	<0.2
118126	Soil	1	23	1.68	113	0.045	<1	1.69	0.002	0.03	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
REP 118126	QC	1	25	1.79	118	0.045	<1	1.81	0.002	0.03	<0.1	0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
119053	Soil	30	29	1.85	394	0.217	<1	3.42	0.005	0.89	<0.1	0.01	2.0	0.5	<0.05	7	<0.5	<0.2
REP 119053	QC	32	31	1.96	424	0.227	<1	3.76	0.005	0.94	<0.1	0.01	2.2	0.5	<0.05	7	<0.5	<0.2
119077	Soil	25	110	2.42	147	0.151	<1	3.17	0.003	0.04	<0.1	0.02	5.6	0.2	<0.05	9	1.0	<0.2
REP 119077	QC	24	98	2.21	137	0.137	<1	2.84	0.002	0.03	<0.1	0.02	5.0	0.1	<0.05	7	0.8	<0.2
119090	Soil	13	34	0.59	325	0.071	1	1.57	0.016	0.07	0.2	0.05	3.9	<0.1	<0.05	5	<0.5	<0.2
REP 119090	QC	13	34	0.57	325	0.067	1	1.61	0.014	0.07	0.2	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
119096	Soil	4	205	1.37	104	0.057	1	1.49	0.002	0.01	<0.1	<0.01	2.3	<0.1	0.12	4	<0.5	<0.2
REP 119096	QC	4	198	1.32	100	0.055	<1	1.47	0.002	0.01	<0.1	0.02	2.1	<0.1	0.07	4	<0.5	<0.2
119125	Soil	21	8	0.69	134	0.031	<1	1.09	0.002	0.03	<0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
REP 119125	QC	22	8	0.70	131	0.030	<1	1.09	0.002	0.03	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
119147	Soil	6	18	0.73	103	0.043	<1	1.75	0.004	0.07	0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
REP 119147	QC	7	17	0.78	106	0.046	<1	1.79	0.002	0.08	0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
119156	Soil	10	185	3.19	1094	0.356	<1	3.70	0.010	1.12	<0.1	<0.01	13.9	0.5	<0.05	10	<0.5	<0.2
REP 119156	QC	10	187	3.13	1087	0.341	<1	3.56	0.009	1.12	<0.1	0.01	13.8	0.5	<0.05	10	<0.5	<0.2



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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
		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
119169	Soil	1.0	36.5	10.8	58	<0.1	27.0	9.1	317	2.47	11.7	0.6	5.1	4.9	18	<0.1	0.9	0.1	43	0.28
REP 119169	QC	1.0	36.5	11.4	60	<0.1	28.7	9.7	331	2.51	11.9	0.6	4.0	5.0	18	<0.1	0.8	0.2	44	0.29
120065	Soil	2.6	39.3	39.2	124	<0.1	13.0	6.3	386	2.62	2.6	3.5	<0.5	26.2	10	0.1	0.1	<0.1	9	0.14
REP 120065	QC	2.6	38.7	39.3	120	<0.1	12.1	6.3	388	2.66	2.6	3.6	<0.5	25.6	11	0.2	0.1	<0.1	9	0.14
120080	Soil	0.7	24.9	7.2	52	0.4	117.0	13.8	341	2.67	16.5	1.0	2.4	9.4	9	<0.1	0.3	0.1	55	0.11
REP 120080	QC	0.8	23.4	7.3	51	0.1	114.1	13.6	343	2.59	16.0	1.0	2.7	8.9	9	<0.1	0.2	0.1	56	0.11
120101	Soil	1.0	24.8	10.6	48	0.1	22.7	7.3	228	2.07	8.5	1.1	0.9	4.3	23	<0.1	0.6	0.1	40	0.28
REP 120101	QC	0.9	25.6	10.6	50	<0.1	22.7	7.5	227	2.08	8.5	1.0	1.7	4.3	22	<0.1	0.7	0.1	40	0.28
Reference Materials																				
STD DS8	Standard	12.3	105.5	118.2	300	1.7	36.8	7.2	581	2.30	24.6	2.7	113.3	6.4	62	2.2	5.6	6.1	38	0.64
STD DS8	Standard	13.1	111.1	120.1	315	1.8	38.3	7.9	601	2.46	27.0	2.7	102.7	6.6	65	2.3	5.8	6.0	41	0.68
STD DS8	Standard	14.6	125.3	135.1	339	1.8	41.9	8.6	649	2.60	26.3	3.0	117.8	7.2	73	2.7	6.4	7.5	47	0.74
STD DS8	Standard	15.4	129.1	137.3	354	1.9	43.8	8.6	686	2.75	29.0	3.0	116.4	7.6	76	2.5	6.6	7.5	47	0.76
STD DS8	Standard	13.4	111.4	128.7	306	1.8	39.0	7.6	603	2.42	25.4	2.7	111.9	6.8	61	2.2	5.6	6.9	42	0.63
STD DS8	Standard	14.0	113.9	127.3	315	1.8	40.0	7.9	621	2.45	26.1	2.9	120.4	7.3	65	2.2	5.8	6.9	44	0.66
STD DS8	Standard	12.7	111.2	123.2	314	1.9	37.6	7.5	604	2.38	26.4	2.8	111.6	6.6	63	2.2	5.7	6.9	42	0.66
STD DS8	Standard	12.5	110.4	122.4	307	1.8	37.5	7.5	595	2.36	25.5	2.7	104.2	6.8	64	2.1	5.6	6.8	42	0.66
STD DS8	Standard	13.1	116.5	124.0	319	1.7	39.8	7.8	625	2.54	27.2	2.9	130.7	6.8	64	2.1	5.7	6.6	42	0.70
STD DS8	Standard	13.1	109.4	121.7	313	1.8	36.5	7.6	598	2.46	25.7	2.7	115.3	6.7	61	2.3	5.5	6.4	41	0.66
STD DS8	Standard	12.9	107.6	121.9	314	1.9	37.0	7.5	587	2.44	27.2	3.0	111.3	7.2	67	2.4	6.0	7.1	42	0.64
STD DS8	Standard	13.4	115.8	121.9	324	1.8	38.4	7.8	636	2.50	27.6	3.0	110.9	7.4	73	2.7	6.3	7.0	44	0.70
STD DS8	Standard	12.8	114.7	122.8	323	1.7	39.3	7.6	603	2.47	26.8	2.7	107.6	6.5	62	2.4	5.6	6.8	42	0.67
STD DS8	Standard	13.7	118.4	133.8	337	1.9	40.6	7.9	633	2.64	28.4	2.9	125.5	6.8	66	2.5	5.9	7.1	42	0.73
STD DS8	Standard	11.4	111.2	123.8	330	1.8	39.1	7.6	618	2.56	26.5	2.7	119.4	6.4	64	2.2	5.7	7.0	41	0.66
STD DS8	Standard	12.6	110.7	128.7	323	1.8	40.3	7.3	616	2.51	27.9	2.7	127.6	6.7	67	2.9	6.1	6.9	40	0.67
STD DS8	Standard	13.8	122.4	134.6	340	1.9	41.8	8.5	700	2.82	28.5	3.0	121.3	7.2	71	2.8	6.2	6.7	46	0.74
STD DS8	Standard	14.0	118.4	130.0	350	1.8	40.0	7.9	653	2.65	27.2	2.8	109.7	6.7	67	2.4	5.7	6.1	44	0.70
STD DS8	Standard	13.9	122.0	133.6	338	2.0	40.5	8.3	644	2.64	28.3	3.1	132.4	7.3	60	2.4	5.2	5.9	44	0.75
STD DS8	Standard	14.5	121.3	125.3	341	1.9	42.6	8.2	658	2.68	28.7	2.8	125.7	6.8	60	2.1	5.3	5.6	46	0.76



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Project:

Aussie-Melba

Report Date:

June 28, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11000249.1

		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
119169	Soil	12	28	0.44	412	0.036	1	1.24	0.009	0.04	0.2	0.07	3.7	<0.1	<0.05	4	1.0	<0.2
REP 119169	QC	12	30	0.46	417	0.038	1	1.30	0.010	0.04	0.3	0.04	3.8	<0.1	<0.05	4	0.9	<0.2
120065	Soil	58	11	1.43	151	0.022	<1	1.80	0.003	0.07	<0.1	<0.01	2.2	0.2	<0.05	6	1.1	<0.2
REP 120065	QC	59	11	1.43	150	0.022	<1	1.78	0.003	0.08	<0.1	<0.01	2.1	0.2	<0.05	5	1.1	<0.2
120080	Soil	24	177	1.79	186	0.079	2	2.03	0.008	0.12	<0.1	0.02	6.7	0.3	<0.05	6	<0.5	<0.2
REP 120080	QC	24	174	1.70	179	0.078	<1	2.01	0.003	0.12	<0.1	0.02	6.8	0.3	<0.05	6	<0.5	<0.2
120101	Soil	14	26	0.41	398	0.046	<1	1.23	0.009	0.04	0.3	0.02	3.0	<0.1	<0.05	4	0.7	<0.2
REP 120101	QC	14	26	0.40	380	0.049	<1	1.23	0.009	0.04	0.2	0.04	2.9	<0.1	<0.05	4	0.6	<0.2
Reference Materials																		
STD DS8	Standard	13	110	0.59	253	0.110	2	0.87	0.082	0.39	2.9	0.18	1.8	5.3	0.15	4	4.8	5.0
STD DS8	Standard	14	114	0.58	267	0.120	2	0.90	0.092	0.39	3.0	0.19	2.0	5.3	0.21	5	5.5	5.3
STD DS8	Standard	15	131	0.62	302	0.125	2	0.99	0.096	0.44	3.3	0.20	2.3	5.7	0.14	5	5.5	5.6
STD DS8	Standard	16	141	0.64	308	0.137	2	1.02	0.101	0.46	3.3	0.25	2.3	5.7	0.17	5	4.7	5.3
STD DS8	Standard	14	120	0.61	264	0.118	2	0.92	0.087	0.41	3.1	0.20	2.2	5.5	0.16	5	4.8	5.1
STD DS8	Standard	15	121	0.62	281	0.124	2	0.91	0.090	0.41	3.0	0.20	2.3	5.6	0.17	5	5.2	5.0
STD DS8	Standard	14	118	0.60	275	0.116	2	0.88	0.081	0.42	3.2	0.22	2.3	5.6	0.10	5	5.5	5.2
STD DS8	Standard	14	117	0.60	264	0.115	2	0.87	0.086	0.42	3.2	0.20	2.1	5.4	0.12	5	5.0	5.2
STD DS8	Standard	15	118	0.62	277	0.117	3	0.90	0.088	0.42	3.1	0.19	1.9	5.6	0.11	5	5.5	5.0
STD DS8	Standard	14	113	0.59	275	0.109	2	0.87	0.083	0.39	3.0	0.21	1.9	5.6	0.10	5	6.0	5.1
STD DS8	Standard	14	110	0.61	282	0.116	3	0.92	0.100	0.40	3.1	0.20	2.2	5.4	0.13	5	5.0	5.2
STD DS8	Standard	17	116	0.62	291	0.132	3	0.94	0.103	0.45	3.2	0.21	2.4	5.4	0.13	5	5.4	5.3
STD DS8	Standard	13	113	0.61	265	0.110	3	0.87	0.083	0.41	3.0	0.20	1.7	5.3	0.12	5	5.3	4.8
STD DS8	Standard	14	124	0.66	281	0.117	3	0.95	0.088	0.45	3.2	0.23	2.2	5.7	0.17	5	6.1	5.2
STD DS8	Standard	11	118	0.64	275	0.106	3	0.89	0.079	0.43	3.2	0.21	1.9	5.6	0.20	5	5.8	5.2
STD DS8	Standard	13	117	0.64	285	0.106	3	0.91	0.080	0.42	3.2	0.22	2.1	5.6	0.15	5	5.5	5.0
STD DS8	Standard	12	124	0.65	284	0.116	3	0.98	0.104	0.47	3.4	0.21	2.2	6.1	0.16	5	5.6	5.5
STD DS8	Standard	12	121	0.64	311	0.114	3	0.95	0.105	0.45	3.1	0.21	2.0	5.8	0.16	5	5.0	5.6
STD DS8	Standard	13	124	0.65	297	0.117	4	0.98	0.096	0.44	3.0	0.24	2.3	5.7	0.15	5	6.2	6.0
STD DS8	Standard	12	129	0.64	297	0.115	3	0.94	0.094	0.46	3.3	0.23	2.3	5.4	0.15	5	6.0	5.6



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Project:

Aussie-Melba

Report Date:

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Part 1

QUALITY CONTROL REPORT

WHI11000249.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	14.1	118.4	124.1	331	1.8	40.2	7.5	618	2.45	25.2	2.8	108.9	6.9	67	2.3	5.6	6.3	46	0.67	0.078
STD DS8	Standard	13.7	123.0	121.2	333	1.8	42.5	8.5	616	2.47	26.7	2.8	114.0	7.0	65	2.5	5.7	6.4	46	0.63	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	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project:

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Part 2

QUALITY CONTROL REPORT

WHI11000249.1

		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	15	123	0.63	279	0.133	2	0.96	0.090	0.42	3.1	0.21	2.6	5.5	0.17	5	5.5	4.4
STD DS8	Standard	15	124	0.62	277	0.127	2	0.93	0.085	0.42	3.2	0.18	2.3	5.5	0.16	5	5.3	5.2
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<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 17, 2011
Report Date: June 29, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI11000250.1

CLIENT JOB INFORMATION

Project: Aussie-Melba
Shipment ID: 20110614090537
P.O. Number
Number of Samples: 153

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	153	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	153	Dry at 60C			WHI
1DX2	153	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.

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Client:

Taku Gold Corp

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

Project:

Aussie-Melba

Report Date:

June 29, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000250.1

	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
121011	Soil	0.6	12.5	28.2	45	<0.1	8.3	3.7	133	1.19	4.2	1.6	1.3	12.5	7	<0.1	0.3	0.3	21	0.05	0.022
121012	Soil	0.2	12.6	17.5	34	<0.1	5.3	3.2	153	0.86	1.2	1.9	0.6	14.3	14	<0.1	0.2	0.2	13	0.12	0.042
121013	Soil	0.5	28.8	38.2	77	<0.1	20.5	6.2	214	1.83	2.2	1.8	1.5	16.1	8	0.1	0.3	0.3	27	0.08	0.031
121014	Soil	0.4	31.5	18.1	64	<0.1	27.1	9.9	355	2.38	1.5	2.6	2.9	19.1	16	0.1	0.2	0.3	41	0.24	0.049
121015	Soil	0.3	29.5	12.0	59	<0.1	37.2	14.6	529	2.98	1.3	2.3	1.9	13.7	20	<0.1	0.2	0.2	56	0.40	0.096
121016	Soil	0.3	9.2	15.1	31	<0.1	5.9	2.9	121	0.86	1.6	1.0	<0.5	8.0	11	<0.1	0.1	0.2	10	0.11	0.044
121017	Soil	0.3	19.4	18.9	54	<0.1	21.6	8.6	245	1.91	1.3	2.4	0.9	19.4	18	<0.1	0.2	0.2	27	0.20	0.026
121018	Soil	0.2	34.9	9.3	79	<0.1	41.5	25.0	473	4.20	1.6	0.8	<0.5	4.7	22	<0.1	0.2	<0.1	113	0.41	0.136
121019	Soil	0.7	56.5	18.9	108	<0.1	35.0	12.2	517	3.34	2.6	1.9	1.6	19.1	8	0.2	0.3	0.2	43	0.10	0.043
121020	Soil	0.5	17.1	26.5	65	<0.1	15.1	4.2	170	2.01	4.8	1.9	2.4	27.0	7	<0.1	0.2	0.4	17	0.07	0.021
121021	Soil	0.4	22.0	18.3	40	<0.1	10.4	3.4	128	1.35	2.7	1.5	2.3	18.9	6	0.2	0.3	0.7	17	0.05	0.011
121022	Soil	0.3	41.3	7.9	91	<0.1	19.7	9.9	246	3.88	1.5	0.8	1.0	9.3	12	<0.1	0.2	0.1	36	0.14	0.029
121023	Soil	0.4	55.1	13.2	88	0.1	12.7	12.7	255	4.06	2.0	0.9	1.8	5.6	11	0.3	0.3	0.2	44	0.15	0.028
121024	Soil	0.3	43.7	5.7	67	<0.1	10.4	10.6	310	3.06	2.1	0.4	<0.5	2.3	14	<0.1	0.2	<0.1	45	0.19	0.028
121025	Soil	0.2	32.1	3.4	71	<0.1	6.5	11.0	322	2.96	0.9	0.4	0.6	2.7	14	<0.1	0.1	<0.1	31	0.26	0.034
121026	Soil	0.2	63.5	3.9	66	<0.1	17.2	18.3	514	3.55	0.8	0.4	2.1	1.6	10	<0.1	0.1	<0.1	67	0.20	0.033
121027	Soil	0.2	31.3	2.7	80	<0.1	5.8	10.2	284	2.86	0.5	0.4	2.1	2.3	16	<0.1	0.1	<0.1	29	0.28	0.060
121028	Soil	1.8	59.1	29.5	76	<0.1	38.1	10.4	587	2.70	2.9	1.9	2.4	11.5	11	0.3	0.3	0.1	30	0.22	0.078
121029	Soil	2.2	43.2	12.2	88	<0.1	48.2	19.1	506	3.67	4.3	1.7	1.9	10.0	15	0.1	0.4	0.2	56	0.20	0.028
121030	Soil	5.9	67.9	11.1	118	0.1	53.3	13.5	343	4.39	9.0	2.0	2.0	10.7	16	0.2	0.5	0.3	77	0.13	0.024
121031	Soil	0.9	15.8	11.2	73	<0.1	9.6	9.7	372	3.14	3.0	1.5	<0.5	16.5	16	0.1	0.2	0.2	35	0.20	0.071
121032	Soil	0.6	40.9	7.2	69	<0.1	15.3	8.3	383	2.76	1.7	1.2	2.6	15.6	13	<0.1	0.2	0.1	47	0.20	0.041
121033	Soil	5.4	59.4	12.8	178	<0.1	58.9	17.1	565	4.35	5.9	2.2	3.3	11.9	12	0.7	0.6	0.3	60	0.15	0.046
121034	Soil	1.4	41.9	5.6	90	<0.1	85.0	15.3	493	3.62	1.8	1.1	1.5	7.7	24	0.2	0.3	0.1	59	0.51	0.075
121035	Soil	2.2	59.6	9.7	122	0.2	94.5	22.8	1056	4.80	5.1	1.3	1.8	10.6	18	0.4	0.5	0.2	82	0.42	0.070
121036	Soil	2.4	58.0	9.2	86	<0.1	104.4	15.8	652	3.89	1.9	1.7	3.4	9.2	10	0.2	0.3	0.3	61	0.23	0.056
121037	Soil	4.4	101.9	5.7	69	<0.1	53.5	13.2	332	3.41	3.5	2.2	3.7	12.8	6	<0.1	0.4	1.0	37	0.07	0.012
121038	Soil	0.7	30.5	10.3	56	<0.1	28.0	10.5	385	2.55	5.9	0.8	3.4	5.5	12	0.2	0.5	0.2	48	0.15	0.013
121039	Soil	1.0	36.0	5.9	62	<0.1	46.1	18.3	470	3.44	2.0	0.6	2.3	3.4	14	0.2	0.2	0.1	70	0.26	0.025
121040	Soil	1.2	57.8	7.1	70	<0.1	32.1	16.4	401	3.55	3.6	0.8	2.7	4.9	10	0.2	0.4	0.2	72	0.16	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	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
121011	Soil	25	13	0.25	136	0.041	<1	0.95	0.004	0.07	0.1	0.02	1.7	0.1	<0.05	3	<0.5	<0.2
121012	Soil	24	9	0.31	92	0.038	<1	0.67	0.004	0.10	<0.1	<0.01	1.4	0.1	<0.05	2	<0.5	<0.2
121013	Soil	28	24	0.70	198	0.073	<1	1.31	0.004	0.21	<0.1	0.01	2.3	0.2	<0.05	4	<0.5	<0.2
121014	Soil	46	55	1.14	327	0.093	<1	1.60	0.005	0.24	<0.1	0.02	5.9	0.2	<0.05	5	<0.5	<0.2
121015	Soil	29	77	1.46	385	0.108	<1	2.01	0.005	0.38	<0.1	0.02	7.4	0.2	<0.05	6	<0.5	<0.2
121016	Soil	19	9	0.22	67	0.037	<1	0.58	0.002	0.12	<0.1	<0.01	1.1	0.1	<0.05	2	<0.5	<0.2
121017	Soil	39	47	0.94	255	0.123	<1	1.43	0.004	0.17	<0.1	<0.01	2.4	0.2	<0.05	4	<0.5	<0.2
121018	Soil	8	84	2.23	366	0.169	<1	2.78	0.006	0.49	<0.1	<0.01	7.3	0.3	<0.05	8	<0.5	<0.2
121019	Soil	31	47	1.58	172	0.072	<1	2.07	0.003	0.10	<0.1	<0.01	4.7	0.2	<0.05	6	<0.5	<0.2
121020	Soil	44	17	1.23	206	0.073	<1	1.61	0.003	0.12	<0.1	<0.01	2.9	0.4	<0.05	5	<0.5	<0.2
121021	Soil	52	11	0.32	175	0.022	<1	0.90	0.003	0.05	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
121022	Soil	26	24	1.27	188	0.056	<1	2.14	0.003	0.08	<0.1	<0.01	3.7	0.1	<0.05	7	<0.5	<0.2
121023	Soil	29	20	1.07	253	0.032	1	2.08	0.003	0.06	<0.1	<0.01	7.2	<0.1	<0.05	6	<0.5	<0.2
121024	Soil	7	18	1.31	134	0.070	<1	2.03	0.003	0.16	<0.1	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
121025	Soil	9	13	1.44	101	0.035	<1	2.00	0.002	0.08	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
121026	Soil	5	58	2.37	69	0.095	<1	2.52	0.002	0.13	<0.1	<0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
121027	Soil	5	8	1.13	95	0.030	<1	1.64	0.004	0.10	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
121028	Soil	28	25	1.51	115	0.037	<1	1.74	0.003	0.03	<0.1	0.03	5.2	<0.1	<0.05	4	0.6	<0.2
121029	Soil	21	101	1.88	187	0.132	<1	2.46	0.002	0.08	<0.1	0.03	5.2	0.3	<0.05	6	<0.5	<0.2
121030	Soil	37	76	1.60	178	0.068	<1	2.44	0.005	0.06	<0.1	0.01	5.6	0.2	<0.05	7	0.9	<0.2
121031	Soil	22	12	1.20	170	0.155	<1	1.91	0.003	0.34	<0.1	<0.01	4.7	0.3	<0.05	7	<0.5	<0.2
121032	Soil	24	29	0.99	169	0.070	<1	1.41	0.004	0.21	<0.1	0.01	7.2	0.2	<0.05	6	<0.5	<0.2
121033	Soil	32	72	1.83	157	0.059	<1	2.33	0.004	0.04	<0.1	0.02	5.8	0.1	<0.05	8	1.6	<0.2
121034	Soil	19	124	1.99	245	0.134	<1	2.28	0.006	0.32	<0.1	0.01	5.8	0.3	<0.05	6	<0.5	<0.2
121035	Soil	29	164	2.40	214	0.074	<1	2.68	0.007	0.05	<0.1	0.03	10.0	0.2	<0.05	9	0.8	<0.2
121036	Soil	24	117	1.77	148	0.073	<1	2.01	0.003	0.15	<0.1	0.03	6.8	0.3	<0.05	6	0.8	<0.2
121037	Soil	37	42	0.94	126	0.025	<1	1.36	0.003	0.03	<0.1	0.03	4.8	<0.1	<0.05	4	1.5	0.4
121038	Soil	14	44	0.88	213	0.062	<1	1.67	0.005	0.04	<0.1	0.04	3.4	<0.1	<0.05	5	0.5	<0.2
121039	Soil	13	81	1.88	232	0.099	<1	2.21	0.007	0.14	<0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2
121040	Soil	13	39	1.34	261	0.085	<1	1.99	0.006	0.19	<0.1	0.03	4.2	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
121041	Soil	0.7	29.4	8.5	44	<0.1	36.2	7.8	309	2.28	2.2	0.8	2.3	11.9	10	0.1	0.3	0.3	34	0.15	0.031
121042	Soil	1.4	52.3	6.6	72	<0.1	46.3	12.3	477	3.16	1.2	1.0	1.5	6.0	15	0.2	0.2	0.2	50	0.24	0.068
121043	Soil	1.5	52.6	7.7	77	<0.1	56.8	16.0	413	3.56	4.2	1.1	1.7	4.7	17	<0.1	0.4	0.1	60	0.28	0.036
121044	Soil	1.2	48.8	10.7	83	<0.1	50.7	14.8	373	4.12	2.6	0.5	0.8	4.0	14	0.1	0.3	0.3	78	0.24	0.054
121045	Soil	1.0	49.7	7.6	70	<0.1	43.4	13.5	384	3.42	2.6	1.1	2.1	4.0	18	0.1	0.3	0.2	67	0.45	0.048
121046	Soil	0.9	42.5	8.4	66	0.1	43.3	10.8	330	3.04	4.9	2.7	6.9	4.4	31	0.1	0.4	0.2	57	0.62	0.049
121047	Soil	8.5	115.7	78.0	38	0.4	5.2	1.1	32	3.24	4.0	8.1	6.2	53.6	43	0.1	0.2	2.4	10	0.06	0.086
121048	Soil	8.0	45.7	50.3	59	0.4	3.9	1.0	68	2.29	0.6	5.0	1.4	43.6	92	0.2	<0.1	1.2	10	0.07	0.070
121049	Soil	1.5	50.7	52.5	73	0.2	6.7	3.4	151	2.09	2.4	4.0	2.5	25.2	51	<0.1	0.1	1.1	17	0.17	0.059
121050	Soil	1.0	30.0	20.8	79	<0.1	13.5	6.8	417	1.96	3.8	2.8	3.3	30.8	17	0.2	0.3	0.3	24	0.15	0.042
121051	Soil	0.9	26.2	10.0	65	0.1	24.3	10.3	417	2.24	8.9	0.8	16.6	4.5	28	0.1	0.6	0.2	43	0.45	0.085
121052	Soil	0.6	25.2	7.2	57	<0.1	22.4	8.4	359	1.95	9.3	0.5	2.2	3.9	50	0.3	0.7	0.1	36	1.55	0.087
121053	Soil	1.1	26.8	15.4	72	0.2	21.0	9.7	321	2.41	8.7	0.9	3.7	5.7	25	0.2	0.7	0.2	44	0.32	0.064
121054	Soil	0.3	38.6	2.5	71	0.1	88.5	25.6	915	3.42	4.4	0.3	5.3	1.6	22	0.1	0.1	<0.1	88	0.77	0.237
121055	Soil	1.0	47.5	7.8	71	0.5	40.4	13.6	491	3.26	7.8	0.5	2.9	2.9	23	0.3	0.4	0.2	85	0.33	0.074
121056	Soil	1.2	71.1	9.5	119	0.3	44.8	8.1	349	2.96	11.4	2.3	1.8	6.0	15	0.3	0.2	0.2	88	0.32	0.130
121057	Soil	1.7	70.8	9.1	88	0.1	69.1	13.3	779	3.17	11.5	1.7	1.7	5.7	14	0.1	0.6	0.2	63	0.15	0.032
121058	Soil	1.0	65.1	8.6	117	0.2	94.3	11.7	336	3.28	14.7	2.1	4.0	7.8	16	0.3	0.4	0.2	78	0.21	0.045
121059	Soil	1.7	45.0	6.2	59	<0.1	22.1	2.7	59	1.61	8.0	2.1	1.4	7.2	8	0.2	0.3	0.3	51	0.07	0.033
121060	Soil	0.2	22.3	6.2	35	<0.1	16.9	7.9	224	1.56	3.1	2.2	<0.5	18.4	15	<0.1	0.1	0.1	27	0.17	0.054
121061	Soil	0.2	8.2	24.9	64	<0.1	9.1	4.6	107	2.27	1.0	1.7	<0.5	10.3	11	0.1	<0.1	0.2	20	0.15	0.063
121062	Soil	0.2	65.9	3.5	53	<0.1	35.0	12.0	1129	2.85	1.4	0.4	2.0	1.4	22	<0.1	0.1	<0.1	84	0.48	0.104
121063	Soil	0.3	86.8	4.3	67	<0.1	19.0	10.8	425	3.57	2.6	0.5	2.7	2.9	32	<0.1	0.2	<0.1	96	0.42	0.069
121064	Soil	0.2	85.7	2.6	54	<0.1	57.4	13.1	311	2.88	1.9	0.3	1.1	0.8	34	<0.1	0.2	<0.1	73	0.53	0.093
121065	Soil	<0.1	115.5	1.3	48	<0.1	49.9	12.0	302	2.70	0.8	0.1	0.8	0.4	34	<0.1	<0.1	<0.1	66	0.61	0.108
121066	Soil	0.2	65.1	3.9	64	<0.1	21.3	11.4	488	3.47	1.8	0.5	1.8	1.6	30	<0.1	0.2	<0.1	97	0.49	0.084
121067	Soil	<0.1	99.2	1.4	63	<0.1	69.8	15.4	507	3.39	<0.5	0.2	0.9	0.5	26	<0.1	<0.1	<0.1	85	0.67	0.153
121068	Soil	0.2	15.0	9.4	50	<0.1	11.4	4.4	127	1.44	2.5	1.6	1.6	9.8	14	<0.1	0.2	0.1	23	0.16	0.047
121069	Soil	0.2	6.6	5.7	32	<0.1	4.1	2.7	168	0.95	1.8	1.7	<0.5	11.3	13	<0.1	0.1	<0.1	10	0.12	0.038
121070	Soil	0.4	31.6	6.1	39	<0.1	15.5	6.6	165	2.28	3.1	1.4	2.8	17.1	9	<0.1	0.2	<0.1	22	0.10	0.022



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Project: Aussie-Melba
Report Date: June 29, 2011

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CERTIFICATE OF ANALYSIS

WHI11000250.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
121041	Soil	25	49	0.84	175	0.043	<1	1.25	0.001	0.08	<0.1	0.02	3.7	0.1	<0.05	4	<0.5
121042	Soil	17	60	1.37	234	0.093	<1	1.75	0.004	0.24	<0.1	0.02	4.1	0.2	<0.05	5	<0.5
121043	Soil	10	84	1.70	283	0.102	<1	2.35	0.005	0.07	<0.1	0.01	4.0	0.2	<0.05	6	<0.5
121044	Soil	7	100	1.77	263	0.067	<1	2.37	0.002	0.04	<0.1	<0.01	6.5	0.1	<0.05	8	<0.5
121045	Soil	11	80	1.69	235	0.103	<1	2.37	0.005	0.32	<0.1	0.01	4.6	0.3	<0.05	6	<0.5
121046	Soil	14	65	1.15	346	0.064	<1	2.05	0.008	0.06	0.1	0.04	5.1	0.1	<0.05	6	0.8
121047	Soil	108	3	0.12	159	0.005	<1	0.52	0.049	0.15	<0.1	0.02	0.9	0.2	0.35	1	6.3
121048	Soil	75	5	0.29	234	0.013	<1	0.71	0.023	0.20	<0.1	<0.01	1.0	0.1	0.40	2	5.6
121049	Soil	48	7	0.46	190	0.041	<1	0.90	0.013	0.15	<0.1	0.01	1.3	0.1	0.16	3	1.8
121050	Soil	49	12	0.69	178	0.043	<1	1.17	0.004	0.09	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5
121051	Soil	15	26	0.49	328	0.048	1	1.14	0.015	0.05	0.3	0.03	2.8	<0.1	<0.05	4	0.7
121052	Soil	11	20	0.68	265	0.048	1	0.81	0.014	0.07	0.2	0.03	2.2	<0.1	<0.05	3	<0.5
121053	Soil	17	27	0.54	300	0.052	1	1.35	0.009	0.06	0.2	0.03	2.5	<0.1	<0.05	4	<0.5
121054	Soil	6	87	1.88	217	0.122	<1	2.06	0.008	0.52	<0.1	0.01	5.5	0.1	<0.05	5	<0.5
121055	Soil	9	54	1.07	249	0.066	<1	1.93	0.008	0.13	0.2	0.02	4.5	<0.1	<0.05	6	<0.5
121056	Soil	22	47	0.80	273	0.064	<1	1.58	0.005	0.25	<0.1	<0.01	4.3	0.2	<0.05	6	<0.5
121057	Soil	23	60	0.79	314	0.045	<1	1.73	0.005	0.05	0.1	0.04	4.1	<0.1	<0.05	6	<0.5
121058	Soil	23	91	1.16	302	0.029	<1	1.83	0.006	0.04	<0.1	<0.01	3.9	<0.1	<0.05	6	2.1
121059	Soil	28	23	0.17	116	0.003	<1	0.72	0.002	0.06	<0.1	<0.01	1.2	<0.1	<0.05	3	1.0
121060	Soil	38	26	0.62	184	0.069	<1	1.08	0.005	0.30	<0.1	<0.01	3.1	0.2	<0.05	4	<0.5
121061	Soil	29	15	0.41	64	0.018	<1	1.02	0.002	0.20	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5
121062	Soil	3	48	1.22	595	0.119	<1	1.52	0.008	0.43	<0.1	0.01	5.9	0.2	<0.05	5	<0.5
121063	Soil	8	24	1.22	143	0.061	<1	1.86	0.007	0.06	<0.1	<0.01	6.4	<0.1	<0.05	7	<0.5
121064	Soil	3	83	1.16	178	0.096	<1	1.44	0.014	0.06	<0.1	<0.01	4.8	<0.1	<0.05	5	<0.5
121065	Soil	2	70	1.07	159	0.080	<1	1.28	0.017	0.06	<0.1	<0.01	4.5	<0.1	<0.05	4	<0.5
121066	Soil	5	40	1.34	328	0.084	<1	1.67	0.008	0.13	<0.1	0.01	8.2	<0.1	<0.05	6	<0.5
121067	Soil	2	99	1.89	285	0.096	<1	2.03	0.008	0.30	<0.1	<0.01	4.5	0.1	<0.05	5	<0.5
121068	Soil	29	16	0.44	157	0.044	<1	1.04	0.004	0.11	<0.1	0.01	1.7	0.1	<0.05	4	<0.5
121069	Soil	28	7	0.20	54	0.031	<1	0.61	0.002	0.12	<0.1	<0.01	0.9	<0.1	<0.05	3	<0.5
121070	Soil	35	18	0.51	130	0.008	<1	1.09	0.004	0.03	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5



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Aussie-Melba

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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
121071	Soil	0.2	19.8	8.7	35	<0.1	27.7	6.5	545	1.90	1.5	1.1	5.8	15.5	14	<0.1	0.1	0.2	14	0.29	0.049
121072	Soil	0.3	22.8	11.8	31	<0.1	12.9	3.8	297	1.68	2.5	0.8	1.4	17.4	11	<0.1	0.2	0.2	12	0.17	0.028
121073	Soil	0.2	23.5	5.9	35	<0.1	28.0	9.1	918	1.78	1.7	1.3	3.7	16.4	11	0.1	0.1	0.1	8	2.49	0.061
121074	Soil	0.4	51.5	12.6	50	<0.1	144.0	16.5	542	3.26	1.5	0.9	<0.5	9.4	17	<0.1	<0.1	0.2	48	0.41	0.104
121075	Soil	0.2	23.6	12.4	61	<0.1	13.5	2.8	106	1.37	2.0	2.2	0.6	20.5	9	<0.1	0.2	<0.1	11	0.07	0.010
121076	Soil	1.0	98.4	7.4	91	0.2	63.1	13.2	588	3.34	2.8	2.0	<0.5	12.9	6	0.2	0.2	0.2	50	0.10	0.054
121077	Soil	3.5	107.3	8.0	92	0.1	60.2	21.6	596	4.21	1.3	1.5	<0.5	2.2	12	0.2	<0.1	<0.1	111	0.21	0.067
121078	Soil	0.4	83.5	7.3	96	<0.1	77.5	21.9	750	4.28	1.3	1.2	1.1	2.2	11	<0.1	<0.1	<0.1	76	0.28	0.067
121079	Soil	0.2	55.6	1.9	45	<0.1	52.8	22.7	407	3.10	1.2	0.2	<0.5	0.9	18	<0.1	<0.1	<0.1	78	0.37	0.061
121080	Soil	0.2	13.2	11.7	53	<0.1	4.1	3.4	175	1.47	1.7	1.8	<0.5	10.1	23	<0.1	<0.1	0.2	12	0.24	0.072
121081	Soil	0.7	9.2	20.7	30	0.2	8.0	2.7	88	1.05	5.1	0.9	<0.5	15.0	8	<0.1	0.3	0.3	17	0.06	0.010
121082	Soil	0.6	48.8	10.3	114	<0.1	45.2	11.9	276	2.38	3.0	0.6	<0.5	3.4	19	<0.1	0.2	<0.1	42	0.26	0.040
121083	Soil	0.8	31.9	10.3	76	<0.1	54.4	19.9	916	4.11	2.8	0.5	<0.5	2.6	8	0.2	0.2	<0.1	110	0.18	0.055
121084	Soil	0.4	7.9	27.5	14	<0.1	2.0	1.5	43	0.54	4.3	1.4	<0.5	19.0	10	<0.1	0.2	0.2	4	0.06	0.010
121085	Soil	0.3	11.3	3.9	78	<0.1	4.7	3.6	361	2.93	1.4	0.5	1.1	2.2	5	<0.1	0.2	<0.1	25	0.12	0.036
121086	Soil	0.3	14.2	7.3	64	<0.1	30.1	13.1	500	3.26	2.2	1.1	1.2	7.6	9	<0.1	0.1	<0.1	33	0.18	0.065
121087	Soil	0.6	33.1	5.6	55	<0.1	44.8	15.5	739	3.31	2.3	0.8	<0.5	6.6	9	<0.1	0.1	<0.1	91	0.21	0.072
121088	Soil	0.3	36.4	17.1	31	<0.1	9.7	4.1	184	1.26	4.0	1.5	1.0	11.9	12	<0.1	0.2	0.2	13	0.15	0.017
121089	Soil	0.7	28.5	5.4	65	<0.1	23.2	11.9	365	2.83	3.5	0.6	0.7	2.1	17	<0.1	0.3	0.1	53	0.22	0.029
121090	Soil	0.6	27.4	5.6	59	<0.1	23.1	10.3	343	2.55	3.7	0.5	0.8	2.0	15	<0.1	0.2	<0.1	49	0.20	0.028
121091	Soil	0.4	58.5	2.4	62	<0.1	28.7	18.0	768	3.40	1.6	0.9	7.0	1.7	21	<0.1	0.2	<0.1	78	0.39	0.081
121092	Soil	0.4	26.0	9.5	59	<0.1	12.6	11.0	521	3.04	2.0	1.1	0.6	6.5	21	<0.1	0.2	0.1	54	0.25	0.030
121093	Soil	0.1	45.7	3.2	34	<0.1	46.7	12.1	323	1.99	1.1	0.4	0.9	3.0	11	<0.1	<0.1	<0.1	33	0.17	0.032
121094	Soil	0.3	70.4	1.9	66	<0.1	37.3	18.4	653	3.64	2.2	0.8	1.6	1.9	18	<0.1	0.2	<0.1	99	0.29	0.043
121095	Soil	1.2	63.3	28.4	175	0.3	21.5	9.1	563	3.14	3.6	1.8	2.7	13.2	16	0.3	0.3	0.4	33	0.28	0.047
121096	Soil	1.0	53.0	6.6	92	<0.1	49.6	13.5	439	3.41	7.4	0.8	3.5	3.0	19	<0.1	0.3	0.1	62	0.34	0.061
121097	Soil	0.4	30.6	6.7	84	<0.1	17.5	10.1	330	3.08	1.4	0.9	<0.5	3.4	23	<0.1	0.1	<0.1	43	0.30	0.048
121098	Soil	0.3	18.9	19.2	42	<0.1	14.0	5.2	248	1.35	2.5	1.7	<0.5	11.2	19	<0.1	0.2	0.2	20	0.40	0.020
121099	Soil	0.6	35.6	3.3	37	<0.1	91.0	18.8	458	2.93	2.5	0.9	6.5	0.9	29	<0.1	0.3	<0.1	62	0.69	0.034
121100	Soil	0.4	48.0	1.9	48	0.1	21.8	15.5	569	3.71	1.4	0.4	1.3	0.8	21	0.1	0.1	<0.1	70	0.46	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
121071	Soil	29	19	0.61	87	0.008	<1	1.04	0.004	0.06	<0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
121072	Soil	34	12	0.40	103	0.003	<1	0.92	0.003	0.02	<0.1	0.02	2.8	<0.1	<0.05	2	<0.5	<0.2
121073	Soil	31	14	0.17	62	0.001	<1	0.37	0.002	0.03	<0.1	0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
121074	Soil	26	137	1.92	157	0.099	<1	1.94	0.003	0.23	<0.1	<0.01	6.1	0.3	<0.05	5	<0.5	<0.2
121075	Soil	54	14	0.48	120	0.008	<1	0.86	0.003	0.05	<0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
121076	Soil	24	40	1.21	71	0.083	<1	1.70	0.001	0.19	<0.1	<0.01	2.7	0.4	<0.05	5	0.5	<0.2
121077	Soil	5	53	2.02	194	0.083	<1	2.61	0.002	0.23	<0.1	<0.01	5.4	0.2	<0.05	6	0.8	<0.2
121078	Soil	8	99	2.23	163	0.095	<1	2.84	0.003	0.13	<0.1	0.02	7.2	0.2	<0.05	7	0.6	<0.2
121079	Soil	2	103	1.91	401	0.149	<1	2.20	0.010	0.79	<0.1	<0.01	3.5	0.3	<0.05	5	<0.5	<0.2
121080	Soil	16	6	0.58	130	0.073	<1	0.89	0.002	0.36	<0.1	<0.01	1.7	0.3	<0.05	3	<0.5	<0.2
121081	Soil	28	13	0.21	93	0.019	<1	0.72	0.003	0.07	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
121082	Soil	6	81	1.53	163	0.098	<1	1.86	0.003	0.25	<0.1	<0.01	2.4	0.2	<0.05	5	<0.5	<0.2
121083	Soil	6	110	2.29	128	0.088	<1	2.95	0.002	0.06	<0.1	<0.01	7.0	<0.1	<0.05	8	<0.5	<0.2
121084	Soil	72	4	0.09	104	0.004	<1	0.45	0.002	0.09	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
121085	Soil	7	9	0.72	131	0.004	<1	1.42	0.003	0.07	<0.1	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
121086	Soil	19	20	1.37	95	0.030	<1	1.81	0.001	0.08	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
121087	Soil	6	100	1.83	137	0.096	<1	2.27	0.002	0.12	<0.1	<0.01	6.8	0.1	<0.05	6	<0.5	<0.2
121088	Soil	22	14	0.33	103	0.037	<1	0.74	0.003	0.13	<0.1	<0.01	2.1	0.1	<0.05	2	<0.5	<0.2
121089	Soil	7	35	1.33	152	0.057	<1	1.98	0.004	0.03	<0.1	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
121090	Soil	6	33	1.22	136	0.054	<1	1.80	0.004	0.03	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
121091	Soil	4	44	1.88	89	0.051	<1	2.23	0.003	0.04	<0.1	0.01	5.1	<0.1	<0.05	6	<0.5	<0.2
121092	Soil	14	17	1.28	157	0.081	<1	1.77	0.003	0.15	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
121093	Soil	6	112	1.31	104	0.070	<1	1.37	0.002	0.06	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
121094	Soil	10	83	2.09	352	0.135	<1	2.20	0.004	0.24	<0.1	0.01	6.4	<0.1	<0.05	7	<0.5	<0.2
121095	Soil	32	36	1.93	276	0.093	<1	2.00	0.003	0.06	<0.1	0.03	4.6	<0.1	<0.05	6	<0.5	<0.2
121096	Soil	11	67	1.39	262	0.098	<1	1.88	0.003	0.03	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
121097	Soil	7	32	1.13	262	0.126	<1	1.75	0.003	0.31	<0.1	<0.01	3.4	0.2	<0.05	5	<0.5	<0.2
121098	Soil	28	24	0.62	298	0.034	<1	1.03	0.005	0.05	<0.1	0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
121099	Soil	3	219	1.82	146	0.040	<1	2.05	0.005	0.02	<0.1	0.02	4.4	<0.1	<0.05	5	0.6	<0.2
121100	Soil	2	43	1.38	84	0.040	<1	1.95	0.004	0.02	<0.1	<0.01	4.2	<0.1	<0.05	7	<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
121101	Soil	0.3	34.7	4.2	57	<0.1	14.3	11.9	465	3.68	1.4	0.4	0.9	0.7	22	0.1	<0.1	<0.1	59	0.44	0.102
121102	Soil	0.2	36.8	1.4	44	<0.1	36.8	12.1	394	2.41	1.3	0.3	<0.5	0.9	21	<0.1	0.1	<0.1	31	0.29	0.049
121103	Soil	0.4	63.3	5.6	87	<0.1	94.6	21.7	1040	3.47	2.7	0.5	1.3	0.8	17	0.1	0.2	<0.1	64	0.32	0.060
121104	Soil	0.3	87.8	2.7	63	<0.1	36.7	20.4	668	3.37	2.1	0.6	3.5	0.7	13	<0.1	0.2	<0.1	55	0.26	0.049
121105	Soil	0.7	32.5	2.0	39	<0.1	24.3	12.4	315	2.95	1.8	1.7	0.9	1.1	22	<0.1	0.2	<0.1	44	0.16	0.021
121106	Soil	0.2	24.3	2.1	59	<0.1	27.8	11.8	484	2.60	2.3	0.4	3.4	1.6	9	<0.1	0.1	<0.1	37	0.20	0.027
121107	Soil	0.2	99.4	3.2	52	<0.1	61.3	12.2	322	2.04	4.7	0.3	4.4	2.4	6	<0.1	0.2	<0.1	29	0.13	0.023
121108	Soil	0.2	67.1	3.3	83	<0.1	111.6	19.9	1664	3.26	0.5	0.1	3.2	1.2	7	0.2	<0.1	<0.1	39	0.38	0.071
121109	Soil	1.0	31.0	2.3	89	<0.1	31.8	12.4	483	3.17	7.1	0.8	3.7	6.4	5	<0.1	0.2	<0.1	44	0.20	0.070
121110	Soil	0.7	37.1	11.6	49	0.2	28.9	11.2	452	2.83	10.8	0.4	5.3	4.3	19	<0.1	0.6	0.2	54	0.53	0.037
121111	Soil	0.5	83.0	6.1	71	<0.1	7.0	24.0	615	4.60	1.6	0.5	60.5	2.1	10	<0.1	0.2	0.1	54	0.17	0.044
121112	Soil	0.4	81.5	2.8	61	<0.1	10.9	25.2	470	3.55	2.3	0.2	4.8	0.8	20	<0.1	0.1	<0.1	52	0.23	0.042
121113	Soil	1.0	39.0	2.5	62	<0.1	104.2	28.4	776	2.81	2.9	0.6	5.5	1.2	5	<0.1	0.2	<0.1	34	0.11	0.043
121114	Soil	0.2	94.8	3.1	52	<0.1	24.9	16.4	542	2.50	1.3	0.2	4.8	1.5	5	<0.1	<0.1	<0.1	32	0.15	0.049
121115	Soil	0.2	76.6	4.2	51	<0.1	22.9	16.1	871	2.72	1.5	0.2	6.0	2.1	6	<0.1	<0.1	<0.1	36	0.18	0.041
121116	Soil	0.5	120.0	6.8	99	0.1	58.2	31.7	1247	3.81	4.9	0.2	5.7	1.3	25	0.1	0.2	<0.1	60	1.57	0.038
121117	Soil	<0.1	22.8	1.4	22	<0.1	28.0	7.5	355	1.31	1.1	0.2	<0.5	1.0	6	<0.1	<0.1	<0.1	30	0.15	0.034
121118	Soil	0.3	66.5	2.8	37	<0.1	11.1	11.3	526	3.55	2.3	0.2	1.4	1.2	11	<0.1	0.2	<0.1	66	0.20	0.055
121119	Soil	0.4	50.6	4.2	33	0.1	16.0	8.6	278	2.03	3.7	0.8	5.8	3.3	10	<0.1	0.2	<0.1	34	0.14	0.034
121120	Soil	0.2	38.7	12.1	67	0.1	18.6	42.2	1343	5.45	7.8	0.1	16.2	0.6	8	0.2	0.1	0.3	122	0.25	0.050
121121	Soil	0.4	155.6	3.7	33	<0.1	19.3	9.1	275	2.30	3.4	0.8	4.4	7.2	11	<0.1	0.2	0.3	29	0.21	0.024
121122	Soil	1.7	75.5	31.4	128	<0.1	38.5	13.1	600	3.50	5.7	0.9	4.5	7.9	8	0.2	0.2	0.1	23	0.26	0.079
121123	Soil	0.5	25.1	9.3	65	<0.1	22.3	10.5	382	2.36	2.4	0.8	2.4	5.9	6	0.2	<0.1	<0.1	32	0.26	0.073
121124	Soil	0.3	30.6	5.8	76	<0.1	40.5	14.1	389	3.18	4.1	0.5	2.2	3.9	11	<0.1	0.2	<0.1	60	0.19	0.032
121125	Soil	0.4	68.6	6.8	58	<0.1	42.7	14.2	515	3.13	3.8	0.8	6.7	3.1	12	<0.1	0.2	<0.1	69	0.29	0.029
121126	Soil	0.1	63.8	1.6	37	<0.1	40.3	14.0	376	2.50	1.3	0.3	3.2	1.0	9	<0.1	<0.1	<0.1	47	0.20	0.020
121127	Soil	0.5	29.5	8.5	55	<0.1	21.2	8.5	339	2.20	4.3	0.7	1.9	4.5	10	0.1	0.2	0.1	41	0.21	0.046
121128	Soil	0.3	33.2	5.7	40	<0.1	15.2	4.7	151	1.20	2.1	1.4	<0.5	5.0	14	<0.1	0.1	<0.1	19	0.19	0.028
121129	Soil	0.2	75.7	8.7	69	0.1	61.2	19.0	680	3.53	2.8	0.9	7.0	2.0	20	<0.1	0.2	<0.1	59	0.42	0.052
121130	Soil	0.4	42.1	10.5	66	<0.1	25.5	9.9	401	2.65	3.7	1.5	4.8	9.8	13	<0.1	0.2	<0.1	50	0.36	0.048



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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
121101	Soil	2	28	0.96	153	0.046	<1	1.76	0.004	0.12	<0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
121102	Soil	2	38	1.29	90	0.036	<1	1.63	0.003	0.02	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
121103	Soil	2	234	2.37	126	0.055	<1	2.48	0.003	0.02	<0.1	0.02	5.4	<0.1	<0.05	7	<0.5	<0.2
121104	Soil	1	54	1.74	114	0.047	<1	2.17	0.003	0.02	<0.1	0.01	4.2	<0.1	<0.05	5	0.6	<0.2
121105	Soil	4	25	1.18	135	0.077	<1	1.61	0.003	0.02	<0.1	0.01	3.2	<0.1	<0.05	4	0.7	<0.2
121106	Soil	4	46	1.49	79	0.068	<1	1.87	0.002	0.01	<0.1	0.01	2.2	<0.1	0.05	4	<0.5	<0.2
121107	Soil	4	163	1.18	76	0.022	<1	1.48	0.002	0.02	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
121108	Soil	3	200	2.28	78	0.026	<1	2.32	0.001	0.02	<0.1	0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
121109	Soil	8	23	1.12	134	0.005	<1	1.93	0.002	0.02	<0.1	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
121110	Soil	11	34	0.52	477	0.033	<1	1.73	0.018	0.04	0.2	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
121111	Soil	7	5	1.39	129	0.006	<1	2.36	0.003	0.02	<0.1	0.01	4.2	<0.1	<0.05	8	0.7	<0.2
121112	Soil	1	20	1.47	47	0.030	<1	2.15	0.002	<0.01	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
121113	Soil	3	128	1.74	60	0.048	<1	1.95	0.003	0.01	<0.1	0.03	2.7	<0.1	<0.05	4	<0.5	0.2
121114	Soil	2	42	1.41	43	0.022	<1	1.79	<0.001	0.02	<0.1	0.01	2.2	0.1	<0.05	4	<0.5	<0.2
121115	Soil	3	44	1.56	83	0.016	<1	2.00	0.002	0.02	<0.1	<0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
121116	Soil	4	118	1.90	105	0.027	<1	2.41	0.005	0.03	<0.1	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2
121117	Soil	2	62	0.82	44	0.033	<1	0.97	0.002	<0.01	<0.1	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
121118	Soil	4	14	1.20	86	0.043	<1	2.03	0.005	0.02	<0.1	<0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
121119	Soil	6	25	0.65	126	0.044	<1	1.42	0.004	0.03	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
121120	Soil	3	36	2.99	92	0.019	<1	3.26	0.002	0.02	0.1	0.03	11.6	<0.1	<0.05	9	0.5	<0.2
121121	Soil	13	31	1.05	258	0.033	<1	1.32	0.003	0.04	0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
121122	Soil	16	25	0.64	395	0.002	<1	1.43	0.003	0.05	<0.1	0.03	3.2	<0.1	<0.05	3	1.0	<0.2
121123	Soil	8	34	1.15	268	0.014	<1	1.37	0.002	0.07	<0.1	0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
121124	Soil	6	100	1.85	139	0.057	<1	2.22	0.002	0.03	<0.1	0.01	7.0	<0.1	<0.05	6	<0.5	<0.2
121125	Soil	7	75	1.45	290	0.046	<1	2.03	0.004	0.03	0.4	0.03	9.0	<0.1	<0.05	5	<0.5	<0.2
121126	Soil	2	88	1.47	107	0.055	<1	1.72	0.003	0.02	<0.1	<0.01	4.3	<0.1	<0.05	4	<0.5	<0.2
121127	Soil	7	31	0.58	210	0.040	<1	1.45	0.004	0.06	0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
121128	Soil	6	32	0.44	126	0.029	<1	0.82	0.003	0.03	<0.1	0.01	3.3	<0.1	<0.05	2	<0.5	<0.2
121129	Soil	3	148	1.95	133	0.043	<1	2.33	0.005	0.02	<0.1	0.02	6.6	<0.1	<0.05	6	<0.5	<0.2
121130	Soil	19	58	1.07	205	0.040	<1	1.56	0.006	0.06	<0.1	0.02	5.3	<0.1	<0.05	6	0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

WHI11000250.1

	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
121131	Soil	0.4	41.2	7.0	62	<0.1	24.0	11.3	328	2.97	5.9	1.1	5.4	3.9	16	<0.1	0.3	<0.1	62	0.28	0.039
121132	Soil	0.4	61.0	12.8	61	<0.1	64.1	15.1	429	3.20	4.0	1.1	3.3	4.2	14	0.2	0.2	0.2	68	0.37	0.059
121133	Soil	0.9	25.7	22.3	76	<0.1	15.2	5.5	279	1.92	3.0	2.1	7.0	17.4	10	0.2	0.4	0.1	23	0.21	0.045
121134	Soil	0.2	38.5	4.1	48	<0.1	66.7	14.8	330	2.40	1.6	0.8	4.5	2.0	20	0.1	0.2	<0.1	40	0.49	0.090
121135	Soil	0.7	34.6	11.3	64	0.2	37.6	8.8	268	2.72	7.8	1.7	6.3	5.4	22	0.1	0.3	0.2	52	0.36	0.046
121136	Soil	0.6	32.5	7.5	47	<0.1	46.2	9.3	236	2.35	6.3	1.4	4.1	3.6	15	0.1	0.4	<0.1	45	0.27	0.035
121137	Soil	0.4	114.4	3.1	67	<0.1	26.5	13.6	447	3.46	2.7	0.9	4.0	1.5	22	<0.1	0.3	<0.1	88	0.36	0.067
121138	Soil	0.6	37.7	9.1	58	0.1	46.2	12.1	402	2.57	8.9	1.1	2.9	3.9	21	0.2	0.6	0.1	44	0.38	0.058
121139	Soil	0.8	32.7	9.4	55	0.1	39.1	9.8	283	2.55	8.1	2.2	4.0	4.0	21	0.2	0.6	0.1	48	0.37	0.051
121140	Soil	0.7	32.1	9.1	56	0.1	37.3	9.6	250	2.57	8.1	2.2	4.4	4.2	22	0.1	0.5	0.1	47	0.38	0.049
121141	Soil	1.0	34.4	8.9	48	<0.1	28.9	9.4	303	2.25	6.4	1.3	3.5	4.6	17	0.1	0.6	0.2	50	0.22	0.024
121142	Soil	0.9	70.1	7.6	67	<0.1	31.3	13.8	467	3.26	6.5	1.2	4.9	3.7	29	0.1	0.7	0.3	74	0.33	0.034
121143	Soil	1.0	46.1	9.0	58	<0.1	32.3	12.0	494	2.78	9.4	1.7	4.2	4.3	26	<0.1	0.9	0.2	58	0.34	0.037
121144	Soil	0.4	107.1	3.0	49	0.1	16.5	15.6	325	2.90	1.7	0.1	0.6	0.5	9	<0.1	0.2	<0.1	69	0.18	0.012
121145	Soil	0.4	211.8	5.0	57	<0.1	35.5	21.5	571	3.63	3.0	0.4	<0.5	1.6	8	<0.1	0.3	0.1	85	0.17	0.015
121146	Soil	0.3	8.8	2.7	78	<0.1	207.8	33.7	375	5.03	2.9	0.2	1.0	1.1	15	<0.1	0.3	<0.1	192	0.37	0.096
121147	Soil	0.4	57.5	12.1	143	<0.1	43.9	15.4	790	4.04	3.3	1.6	0.8	7.1	16	0.5	0.2	0.2	89	0.29	0.109
121148	Soil	1.9	31.5	10.9	119	<0.1	26.9	9.4	659	3.06	4.6	2.2	1.3	20.3	16	0.2	0.2	<0.1	43	0.19	0.073
121149	Soil	0.4	118.2	2.9	52	0.3	27.0	17.5	378	3.54	2.1	0.2	1.3	0.9	63	<0.1	0.1	<0.1	115	0.42	0.073
121150	Soil	2.7	88.6	22.6	80	<0.1	169.3	44.5	1532	6.82	3.2	1.1	1.1	7.1	23	0.2	0.2	<0.1	180	0.52	0.228
121151	Soil	1.5	27.2	14.3	59	0.2	37.4	12.6	247	3.44	9.5	1.0	13.9	9.3	10	<0.1	0.5	0.3	48	0.09	0.034
121152	Soil	0.8	15.8	8.6	83	<0.1	20.1	12.6	403	3.75	4.2	0.6	0.8	6.3	17	0.1	0.3	0.1	49	0.17	0.046
121153	Soil	0.6	33.4	17.1	64	0.1	21.8	9.3	435	2.56	2.6	1.5	2.8	13.2	20	0.2	0.2	<0.1	43	0.18	0.031
121154	Soil	1.4	21.9	14.3	73	0.4	21.3	9.1	511	2.88	10.5	1.0	2.8	6.2	17	0.1	0.5	0.2	53	0.16	0.070
121155	Soil	0.7	16.0	9.6	73	<0.1	17.9	8.2	360	2.62	4.2	1.3	1.1	7.2	15	<0.1	0.3	<0.1	35	0.13	0.019
121156	Soil	0.3	10.1	10.3	77	<0.1	52.6	10.4	548	2.45	2.0	1.3	2.0	15.0	13	<0.1	0.2	<0.1	39	0.12	0.028
121157	Soil	0.5	7.6	9.1	74	<0.1	23.5	7.1	376	2.22	3.6	1.4	1.7	11.6	16	<0.1	0.3	<0.1	25	0.13	0.026
121158	Soil	0.4	34.1	3.4	69	<0.1	14.3	11.0	411	2.61	1.7	0.4	1.0	2.1	15	<0.1	0.1	<0.1	39	0.19	0.036
121159	Soil	1.2	62.2	7.5	99	<0.1	73.2	22.5	433	4.52	8.8	0.5	1.7	3.6	12	0.1	0.5	0.1	109	0.14	0.032
121160	Soil	0.8	54.7	4.5	75	0.1	71.3	24.4	782	4.99	5.9	0.3	1.2	1.1	15	<0.1	0.5	<0.1	139	0.26	0.148



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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
121131	Soil	10	46	1.00	245	0.051	<1	1.74	0.006	0.04	<0.1	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
121132	Soil	7	142	1.85	185	0.053	<1	1.94	0.003	0.05	<0.1	0.02	8.2	0.2	<0.05	6	<0.5	<0.2
121133	Soil	35	24	0.63	248	0.009	<1	1.11	0.006	0.11	<0.1	0.02	3.5	<0.1	<0.05	5	0.7	<0.2
121134	Soil	4	99	1.61	185	0.052	<1	1.75	0.005	0.02	<0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
121135	Soil	13	73	0.92	383	0.053	<1	1.85	0.011	0.06	<0.1	0.04	4.7	<0.1	<0.05	6	<0.5	<0.2
121136	Soil	8	81	0.94	252	0.053	<1	1.64	0.007	0.04	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
121137	Soil	3	30	0.82	376	0.077	<1	1.66	0.009	0.23	<0.1	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
121138	Soil	9	67	0.83	322	0.045	<1	1.50	0.011	0.05	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
121139	Soil	10	66	0.69	340	0.045	1	1.61	0.009	0.05	<0.1	0.03	4.0	<0.1	<0.05	5	0.6	<0.2
121140	Soil	10	63	0.71	326	0.045	<1	1.66	0.009	0.05	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
121141	Soil	13	41	0.52	304	0.056	2	1.41	0.012	0.04	0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
121142	Soil	11	42	0.82	383	0.067	<1	1.80	0.008	0.05	<0.1	0.04	5.4	<0.1	<0.05	6	<0.5	<0.2
121143	Soil	13	38	0.61	399	0.056	1	1.67	0.011	0.05	<0.1	0.06	4.5	<0.1	<0.05	5	<0.5	<0.2
121144	Soil	1	38	1.54	41	0.086	<1	1.99	0.013	0.03	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
121145	Soil	5	78	1.80	122	0.166	<1	2.58	0.010	0.08	<0.1	0.02	5.6	0.1	<0.05	6	<0.5	<0.2
121146	Soil	6	270	4.72	428	0.212	<1	4.41	0.006	0.52	<0.1	<0.01	19.9	0.2	<0.05	10	<0.5	<0.2
121147	Soil	26	86	1.76	252	0.072	<1	2.74	0.005	0.12	<0.1	0.01	7.1	<0.1	<0.05	8	<0.5	<0.2
121148	Soil	34	29	1.52	237	0.133	<1	2.18	0.006	0.37	<0.1	<0.01	2.8	0.3	<0.05	8	<0.5	<0.2
121149	Soil	2	44	1.72	78	0.174	<1	2.19	0.017	0.05	0.1	0.01	4.2	<0.1	<0.05	7	<0.5	<0.2
121150	Soil	21	300	3.52	219	0.140	<1	4.27	0.003	0.22	<0.1	<0.01	15.3	0.1	<0.05	14	0.8	<0.2
121151	Soil	15	32	0.58	132	0.034	1	2.05	0.004	0.08	0.2	0.04	2.5	0.1	<0.05	6	<0.5	<0.2
121152	Soil	11	31	1.35	201	0.165	<1	2.77	0.007	0.33	0.2	0.02	1.9	0.2	<0.05	8	<0.5	<0.2
121153	Soil	20	22	0.78	130	0.017	<1	1.78	0.005	0.10	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
121154	Soil	11	30	0.70	171	0.064	<1	1.73	0.005	0.08	0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
121155	Soil	20	21	1.29	196	0.152	<1	2.13	0.008	0.36	<0.1	0.02	2.5	0.3	<0.05	5	<0.5	<0.2
121156	Soil	21	77	1.61	203	0.160	<1	2.02	0.005	0.37	<0.1	<0.01	3.0	0.4	<0.05	6	<0.5	<0.2
121157	Soil	20	26	1.55	146	0.085	<1	1.95	0.004	0.21	<0.1	<0.01	2.1	0.2	<0.05	6	<0.5	<0.2
121158	Soil	5	11	1.49	328	0.180	<1	1.96	0.006	0.67	<0.1	0.01	1.5	0.3	<0.05	5	<0.5	<0.2
121159	Soil	7	137	2.01	221	0.124	<1	3.38	0.007	0.07	0.1	<0.01	5.0	0.1	<0.05	8	<0.5	<0.2
121160	Soil	3	182	2.20	390	0.117	1	3.09	0.006	0.34	<0.1	0.01	7.4	0.1	<0.05	8	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

WHI11000250.1

	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
121161	Soil	0.9	48.9	4.5	87	0.3	75.5	27.9	880	3.96	12.0	0.8	2.7	2.0	12	0.1	0.6	<0.1	96	0.20	0.065
121162	Soil	0.9	32.9	14.1	57	0.2	23.5	8.3	227	2.41	12.3	1.9	12.0	7.4	11	<0.1	1.0	0.2	45	0.08	0.021
121163	Soil	0.5	20.6	6.2	56	0.1	5.7	3.4	183	1.50	2.3	0.9	0.9	5.0	17	<0.1	0.2	<0.1	16	0.16	0.117



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CERTIFICATE OF ANALYSIS

WHI11000250.1

	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
121161	Soil	4	118	1.52	161	0.044	<1	2.34	0.004	0.10	0.1	0.01	5.8	<0.1	<0.05	7	<0.5	<0.2
121162	Soil	20	28	0.50	178	0.056	1	1.37	0.006	0.06	0.2	0.05	4.6	0.1	<0.05	4	<0.5	<0.2
121163	Soil	7	7	0.38	114	0.041	<1	0.90	0.003	0.10	<0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI11000250.1

	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																					
121012	Soil	0.2	12.6	17.5	34	<0.1	5.3	3.2	153	0.86	1.2	1.9	0.6	14.3	14	<0.1	0.2	0.2	13	0.12	0.042
REP 121012	QC	0.3	13.3	17.8	36	<0.1	5.1	3.2	156	0.88	1.5	2.0	0.5	14.6	16	<0.1	0.1	0.2	14	0.13	0.044
121033	Soil	5.4	59.4	12.8	178	<0.1	58.9	17.1	565	4.35	5.9	2.2	3.3	11.9	12	0.7	0.6	0.3	60	0.15	0.046
REP 121033	QC	5.1	56.4	11.9	169	<0.1	57.4	16.2	570	4.17	5.5	2.1	3.0	11.7	11	0.7	0.6	0.3	59	0.14	0.046
121042	Soil	1.4	52.3	6.6	72	<0.1	46.3	12.3	477	3.16	1.2	1.0	1.5	6.0	15	0.2	0.2	0.2	50	0.24	0.068
REP 121042	QC	1.3	54.3	6.6	69	<0.1	47.1	12.5	483	3.29	1.2	1.1	1.8	6.0	15	0.1	0.3	0.2	52	0.26	0.068
121070	Soil	0.4	31.6	6.1	39	<0.1	15.5	6.6	165	2.28	3.1	1.4	2.8	17.1	9	<0.1	0.2	<0.1	22	0.10	0.022
REP 121070	QC	0.3	32.1	6.3	39	<0.1	15.4	6.5	160	2.14	3.0	1.4	2.4	16.7	9	<0.1	0.3	<0.1	21	0.10	0.021
121082	Soil	0.6	48.8	10.3	114	<0.1	45.2	11.9	276	2.38	3.0	0.6	<0.5	3.4	19	<0.1	0.2	<0.1	42	0.26	0.040
REP 121082	QC	0.5	48.6	9.9	117	<0.1	44.7	11.8	279	2.40	2.8	0.6	<0.5	3.4	19	<0.1	0.1	<0.1	41	0.27	0.043
121092	Soil	0.4	26.0	9.5	59	<0.1	12.6	11.0	521	3.04	2.0	1.1	0.6	6.5	21	<0.1	0.2	0.1	54	0.25	0.030
REP 121092	QC	0.3	24.8	9.2	57	<0.1	12.4	11.0	510	3.02	2.0	1.1	<0.5	6.2	22	<0.1	0.2	0.1	54	0.25	0.032
121114	Soil	0.2	94.8	3.1	52	<0.1	24.9	16.4	542	2.50	1.3	0.2	4.8	1.5	5	<0.1	<0.1	<0.1	32	0.15	0.049
REP 121114	QC	0.2	92.7	3.3	52	<0.1	24.3	16.7	536	2.53	1.6	0.2	6.9	1.6	6	<0.1	<0.1	<0.1	33	0.16	0.049
121139	Soil	0.8	32.7	9.4	55	0.1	39.1	9.8	283	2.55	8.1	2.2	4.0	4.0	21	0.2	0.6	0.1	48	0.37	0.051
REP 121139	QC	0.8	33.2	8.9	58	<0.1	39.8	9.6	291	2.58	8.2	2.1	5.1	4.1	22	<0.1	0.5	0.1	48	0.39	0.050
121142	Soil	0.9	70.1	7.6	67	<0.1	31.3	13.8	467	3.26	6.5	1.2	4.9	3.7	29	0.1	0.7	0.3	74	0.33	0.034
REP 121142	QC	0.9	73.5	7.3	68	<0.1	32.4	14.3	471	3.29	6.8	1.1	3.3	3.4	30	<0.1	0.7	0.2	74	0.34	0.034
121159	Soil	1.2	62.2	7.5	99	<0.1	73.2	22.5	433	4.52	8.8	0.5	1.7	3.6	12	0.1	0.5	0.1	109	0.14	0.032
REP 121159	QC	1.1	62.6	7.5	102	<0.1	73.7	21.8	451	4.46	8.9	0.5	2.9	3.6	12	0.1	0.6	0.1	108	0.15	0.031
Reference Materials																					
STD DS8	Standard	13.8	111.9	133.6	331	1.9	39.8	7.6	651	2.52	27.8	2.9	107.1	7.4	71	2.4	6.3	7.2	44	0.70	0.086
STD DS8	Standard	12.7	108.0	124.8	324	1.9	39.0	7.5	637	2.46	27.9	2.8	109.4	7.1	74	2.4	6.2	7.1	43	0.69	0.078
STD DS8	Standard	12.0	104.7	121.2	289	1.7	36.4	7.1	564	2.24	24.2	2.6	107.4	6.4	58	2.2	5.0	6.7	40	0.59	0.072
STD DS8	Standard	12.2	106.5	121.3	302	1.8	36.8	7.3	578	2.30	25.1	2.6	101.4	6.6	59	2.2	5.2	6.5	41	0.59	0.076
STD DS8	Standard	12.9	107.6	121.9	314	1.9	37.0	7.5	587	2.44	27.2	3.0	111.3	7.2	67	2.4	6.0	7.1	42	0.64	0.085
STD DS8	Standard	13.4	115.8	121.9	324	1.8	38.4	7.8	636	2.50	27.6	3.0	110.9	7.4	73	2.7	6.3	7.0	44	0.70	0.090
STD DS8	Standard	12.3	106.1	119.5	311	1.7	37.3	7.3	601	2.36	26.5	2.7	109.9	6.3	63	2.3	5.7	6.6	41	0.65	0.079



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
121012	Soil	24	9	0.31	92	0.038	<1	0.67	0.004	0.10	<0.1	<0.01	1.4	0.1	<0.05	2	<0.5	<0.2
REP 121012	QC	24	9	0.31	88	0.039	<1	0.68	0.002	0.10	<0.1	<0.01	1.5	0.1	<0.05	2	<0.5	<0.2
121033	Soil	32	72	1.83	157	0.059	<1	2.33	0.004	0.04	<0.1	0.02	5.8	0.1	<0.05	8	1.6	<0.2
REP 121033	QC	31	70	1.76	155	0.055	<1	2.24	0.003	0.04	<0.1	0.03	5.7	0.1	<0.05	8	1.5	<0.2
121042	Soil	17	60	1.37	234	0.093	<1	1.75	0.004	0.24	<0.1	0.02	4.1	0.2	<0.05	5	<0.5	<0.2
REP 121042	QC	17	59	1.43	239	0.092	<1	1.83	0.005	0.23	<0.1	0.02	4.1	0.2	<0.05	5	<0.5	<0.2
121070	Soil	35	18	0.51	130	0.008	<1	1.09	0.004	0.03	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
REP 121070	QC	35	18	0.52	124	0.008	<1	1.07	0.004	0.03	<0.1	0.02	2.0	<0.1	<0.05	3	0.5	<0.2
121082	Soil	6	81	1.53	163	0.098	<1	1.86	0.003	0.25	<0.1	<0.01	2.4	0.2	<0.05	5	<0.5	<0.2
REP 121082	QC	7	82	1.56	160	0.095	<1	1.90	0.003	0.25	<0.1	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
121092	Soil	14	17	1.28	157	0.081	<1	1.77	0.003	0.15	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
REP 121092	QC	13	17	1.23	149	0.086	<1	1.75	0.003	0.15	<0.1	<0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
121114	Soil	2	42	1.41	43	0.022	<1	1.79	<0.001	0.02	<0.1	0.01	2.2	0.1	<0.05	4	<0.5	<0.2
REP 121114	QC	2	43	1.41	43	0.023	<1	1.86	0.002	0.02	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
121139	Soil	10	66	0.69	340	0.045	1	1.61	0.009	0.05	<0.1	0.03	4.0	<0.1	<0.05	5	0.6	<0.2
REP 121139	QC	10	66	0.73	342	0.045	<1	1.74	0.010	0.05	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
121142	Soil	11	42	0.82	383	0.067	<1	1.80	0.008	0.05	<0.1	0.04	5.4	<0.1	<0.05	6	<0.5	<0.2
REP 121142	QC	12	43	0.85	402	0.070	1	1.87	0.009	0.05	<0.1	0.03	5.4	<0.1	<0.05	6	<0.5	<0.2
121159	Soil	7	137	2.01	221	0.124	<1	3.38	0.007	0.07	0.1	<0.01	5.0	0.1	<0.05	8	<0.5	<0.2
REP 121159	QC	7	137	1.97	222	0.124	1	3.29	0.007	0.07	<0.1	0.02	4.8	<0.1	<0.05	8	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	120	0.65	290	0.116	3	0.97	0.106	0.45	3.2	0.20	2.2	5.6	0.20	5	4.9	4.6
STD DS8	Standard	15	116	0.61	295	0.123	3	0.94	0.093	0.44	3.0	0.19	2.3	5.4	0.18	5	5.3	5.0
STD DS8	Standard	13	111	0.57	248	0.106	3	0.82	0.073	0.37	2.9	0.19	1.9	5.2	0.15	4	5.1	4.6
STD DS8	Standard	13	113	0.58	260	0.108	2	0.82	0.076	0.39	3.0	0.21	1.9	5.2	0.16	4	5.1	5.0
STD DS8	Standard	14	110	0.61	282	0.116	3	0.92	0.100	0.40	3.1	0.20	2.2	5.4	0.13	5	5.0	5.2
STD DS8	Standard	17	116	0.62	291	0.132	3	0.94	0.103	0.45	3.2	0.21	2.4	5.4	0.13	5	5.4	5.3
STD DS8	Standard	14	110	0.61	284	0.106	3	0.85	0.082	0.40	3.1	0.23	1.6	5.3	0.15	4	5.7	4.8



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Project:

Aussie-Melba

Report Date:

June 29, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000250.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 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	13.7	113.1	127.0	313	1.9	39.3	7.5	631	2.48	26.1	2.9	111.6	6.8	64	2.4	5.2	6.5	43	0.71	0.081
STD DS8	Standard	12.7	109.3	122.9	307	1.7	38.5	7.4	590	2.35	25.4	2.6	106.9	6.5	54	2.2	4.7	5.8	40	0.64	0.078
STD DS8	Standard	12.9	106.0	129.0	319	1.8	37.6	7.3	606	2.43	27.6	3.1	113.2	7.3	59	2.2	4.8	5.8	39	0.68	0.085
STD DS8	Standard	14.1	118.4	124.1	331	1.8	40.2	7.5	618	2.45	25.2	2.8	108.9	6.9	67	2.3	5.6	6.3	46	0.67	0.078
STD DS8	Standard	13.7	123.0	121.2	333	1.8	42.5	8.5	616	2.47	26.7	2.8	114.0	7.0	65	2.5	5.7	6.4	46	0.63	0.076
STD DS8	Standard	13.8	112.2	127.3	327	1.7	38.0	8.6	637	2.52	27.6	2.9	106.0	7.3	70	2.6	6.0	6.9	44	0.73	0.081
STD DS8	Standard	13.9	119.5	133.5	345	1.8	39.4	8.7	670	2.66	28.7	3.1	114.4	7.5	71	2.6	6.0	7.1	47	0.74	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	0.03	<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

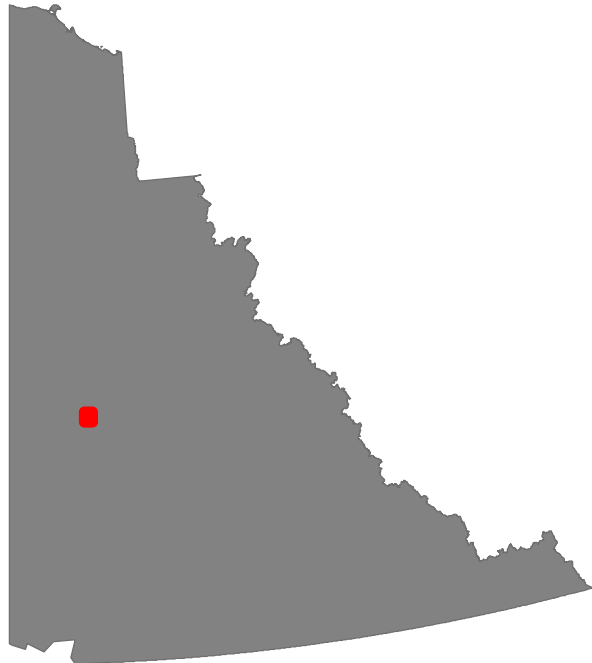
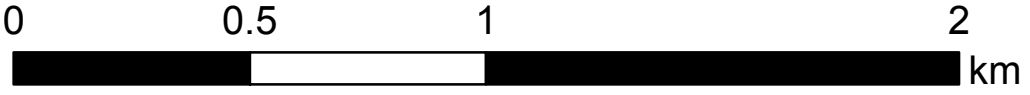
WHI11000250.1

		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	15	121	0.61	277	0.112	3	0.87	0.079	0.41	3.2	0.20	1.9	5.6	0.16	5	4.9	5.1
STD DS8	Standard	10	111	0.61	266	0.100	3	0.87	0.083	0.39	3.0	0.20	1.9	5.4	0.18	5	4.9	5.1
STD DS8	Standard	12	111	0.62	284	0.108	3	0.92	0.093	0.44	3.0	0.23	2.1	5.1	0.17	5	4.7	4.7
STD DS8	Standard	15	123	0.63	279	0.133	2	0.96	0.090	0.42	3.1	0.21	2.6	5.5	0.17	5	5.5	4.4
STD DS8	Standard	15	124	0.62	277	0.127	2	0.93	0.085	0.42	3.2	0.18	2.3	5.5	0.16	5	5.3	5.2
STD DS8	Standard	16	119	0.63	290	0.123	3	0.93	0.089	0.42	3.2	0.20	2.2	5.3	0.16	5	5.8	4.0
STD DS8	Standard	16	125	0.65	297	0.128	3	0.96	0.090	0.44	3.3	0.21	2.3	5.7	0.16	5	5.1	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



AUSSIE MELBA PROPERTY
Figure 5. SAMPLE LOCATIONS

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:16 000



Aussie Melba Property
Figure 5. Sample Locations
Taku Gold Corp.
NTS Sheet: 1150/09
Date: October 24, 2011