

Surface Work Performed from August 25 to December 10, 2010

**On the
Portland Property**

PORT 1	YC63808
PORT 2	YC84057
PORT 3 to 12	YC84092 to YC84101
PORT 13 to 18	YC84286 to YC84291
PORT 19 to 32	YC98171 to YC98184
PT 1 to 43	YD19901 to YD19943

**Dawson Mining District, Yukon
NTS Sheet 115O15 (Flat Creek)
63°48'08" N. Lat., 138°47'34" W. Long.**

Operated by and Recorded to



(held under option from Franz Vidmar)

**By
Mark Fekete, P.Geo.
February 20, 2011**

YMIP - 1097

Summary

From August 25 to December 10, 2010 Taku Gold Corp. completed a surface exploration program on the 75-claim (1525ha) Portland property located at the headwaters of Portland Creek, a tributary of Dominion Creek, some 45km southeast of Dawson City, Yukon. The work consisted of soil geochemical surveys, prospecting and mechanical trenching. The goal of the surface work was to determine if the Gold Run showing is marked by a geochemical signature and if so, to identify other similar geochemical anomalies on the Property. Secondly trenching and sampling work was done at the Gold Run showing in order to better characterize the nature, grade and extent of the gold-bearing structure exposed at the showing.

Previous exploration work on Portland is limited. Quartz or hard rock prospecting in the area dates back to the Klondike Gold Rush and has continued sporadically since then. Most of this work appears to have concentrated on the Gold Run showing where extensive surface and limited underground work was done prior to 1924. Two other showings are documented on the Property.

Portland lies within the Yukon-Tanana Terrane which consists of several successions of complexly deformed Late Proterozoic to Late Permian sedimentary and volcanic rocks episodically intruded by various intrusive rocks in the Permian, Jurassic, Cretaceous and Tertiary periods. The intrusive events have been accompanied by volcanic activity especially in the Upper Jurassic to Lower Cretaceous. Limited mapping on Portland indicates that Permian Klondike schists on the west side of the Property have been structurally emplaced over Devonian to Mississippian quartz mica schists to the east by the west-dipping Sulphur Creek thrust fault.

The Property lies within an underexplored part of the loosely defined Tintina Gold Belt. The underexplored nature of the Klondike-White Gold district's hard rock potential was highlighted by Underworld's discovery of the Saddle and Arc zones in May 2009 on the White property located 75km southeast of Portland, and more recently by the Supremo discovery on Kaminak's Coffee property located approximately 100km south of Portland. Taku's exploration effort at Portland is not adhering to any firm deposit model but is instead based on practical survey methods, including detailed geochemical surveys, that generate drill targets and have led to discoveries by other groups working in the area.

Exploration work in 2010 included a wide-spaced soil geochemical survey over most of the property followed by trenching and sampling at the Gold Run showing. Field data was compiled into digital maps. A total of 1001 soil samples were collected with hand augers at 50m sample intervals along southwest to northeast GPS traverse lines. More detailed sampling at 25m sample intervals was done in the area of the Gold Run showing. Soil and rock samples were analyzed by Acme Analytical Laboratories Ltd.

The gold-in-soil results identified four parallel, northwest-trending, linear, weak to moderate gold anomalies. The best value was 45.5ppb Au. The Gold Run showing is not marked by a distinct geochemical signature and returned a maximum soil value of only 30.7ppb Au. There is a weak correlation with lead probably related to galena mineralization. Arsenic does not correlate very well with gold but elevated arsenic values are spatially related to the Sulphur Creek thrust fault. In order to identify any more gold-bearing structures, prospecting and sampling is required along the four gold trends especially where lead-in-soil values are elevated. Prospecting and sampling should also be done along the Sulphur Creek thrust fault especially where arsenic-in-soil values are elevated.

The rock samples collected in the Gold Run trenches returned spectacular, high grade results. The best values were obtained in Trench No. 4 where the vein structure averaged 97.23gpt Au (uncut) over 7.0m with a maximum value of 455.76gpt Au. Clearly the gold is directly related to the quartz veins but is probably coarse-grained and subject to nugget effect. Previous trenching and shafting indicate that the Gold Run structure is at least 250m long. Drilling is required to further test the nature, grade and extent of the structure.

It is recommended that the soil geochemical survey be extended to cover the entire property. This work will better define the four gold trends and provide better focus for the prospecting and rock sampling work.

It is hoped that the surface work will also identify one or more drill targets in addition to the Gold Run showing. Drilling is recommended to follow the surface work. It is estimated that the recommended program will cost \$525,000 with a 20% contingency of \$120,000 for a total estimated cost of \$720,000 outlined as follows:

Soil Geochem	1000	samples @	\$60	per sample	\$60,000
Prospecting	20	man days @	\$750	per man day	\$15,000
Drilling	1500	m @	\$350	m	\$525,000
Subtotal					\$600,000
Contingency					\$120,000
Total					\$720,000

The drilling can be adjusted downwards according to the results of the surface work. In the absence of additional drill targets, a minimum of 750m is required to initially test the Gold Run structure. This scenario will cost \$337,500 with a 20% contingency of \$67,500 for a total estimated cost of \$405,000.

Certificate of Qualifications

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

1. I obtained a Bachelor of Science Degree in Geology from the University of British Columbia in 1986, I have been engaged as a Geologist continuously since 1986 and I am a Member in good standing of the Order of Geologists of Quebec (OGQ #553) and the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC #31440), and I am a "qualified person" as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have visited the Portland property on numerous occasions including most recently in October 2010;
3. I wrote and I am, as the qualified person, responsible for the contents of this technical report entitled "Surface Work Performed from August 25 to December 10, 2010 on the Portland Property, Dawson Mining District, Yukon, NTS Sheet 115O15 (Flat Creek), 63°48'08" N. Lat., 138°47'34" 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 Portland property as a result of my prior involvement with the property; and
7. I have read, and this report has been prepared in full compliance with National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 20th day of February, 2011,
(s) **"Mark Fekete"**

Mark Fekete, P.Geo.

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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 Portland property (“Portland” or the “Property”) in Yukon in 2010. The Report describes soil geochemical sampling, trenching, prospecting and rock sampling.

The goal of the surface work was two-fold. Firstly the soil geochemical survey was done to see if the historical Gold Run showing is marked by a distinct geochemical signature and if so, to identify other similar geochemical anomalies that may potentially lead to the discovery of more mineralized structures on the Property. Secondly trenching and sampling work was done at the Gold Run showing in order to better characterize the nature, grade and extent of the gold-bearing structure exposed at the showing.

The Report is based primarily on the results of the work completed on Portland in 2010 but also contains information obtained from a review of relevant reports and maps cited throughout the Report. The author Mark Fekete (the “Author”) has visited and personally inspected the property on numerous occasions. The Author is the designated “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101. However, the main purpose of the Report is to complete statutory assessment work filings required under the Yukon Quartz Mining Act. Secondly it was prepared to complete a Yukon Mining Incentives Grant applied for by Franz Vidmar (YMIP-1097). It fully complies with National Instrument 43-101 although it was not written for that purpose. The Report contains specific recommendations and proposes a budget for further work.

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

2. Reliance on Other Experts

The Author may have relied on the technical data and interpretation found in various sources cited throughout the report. The Author may not have verified this information and takes 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 Author does 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 Author takes no responsibility for the security, accuracy or availability of these web-sites.

3. Location and Property Description

The Property covers an approximate area of 1525 hectares within the Dawson Mining Division of Yukon. It is located at the headwaters of Portland Creek, a tributary of Dominion Creek, some 45km southeast of Dawson City (Figure 1). The approximate centre of the Property is described by 63°48’08” North Latitude and 138°47’34” West Longitude on N.T.S. Sheets 115O15 (Flat Creek). The Property includes 75 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	#
PORT 1	YC63808	9-May-11	1
PORT 2	YC84057	17-Sep-11	1
PORT 3 to 12	YC84092 to YC84101	24-Dec-10	10
PORT 13 to 18	YC84286 to YC84291	24-Dec-10	6
PORT 19 to 32	YC98171 to YC98184	6-Jul-11	14
PT 1 to 43	YD19901 to YD19943	30-Jul-11	43
			75

600,000 mE

625,000 mE

7,075,000 mN

7,050,000 mN



Dawson City ~10km

Portland Property



TAKU GOLD CORP.

Portland Property
General Location
Figure 1

Date: 15/2/2011

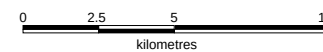
Author: MF

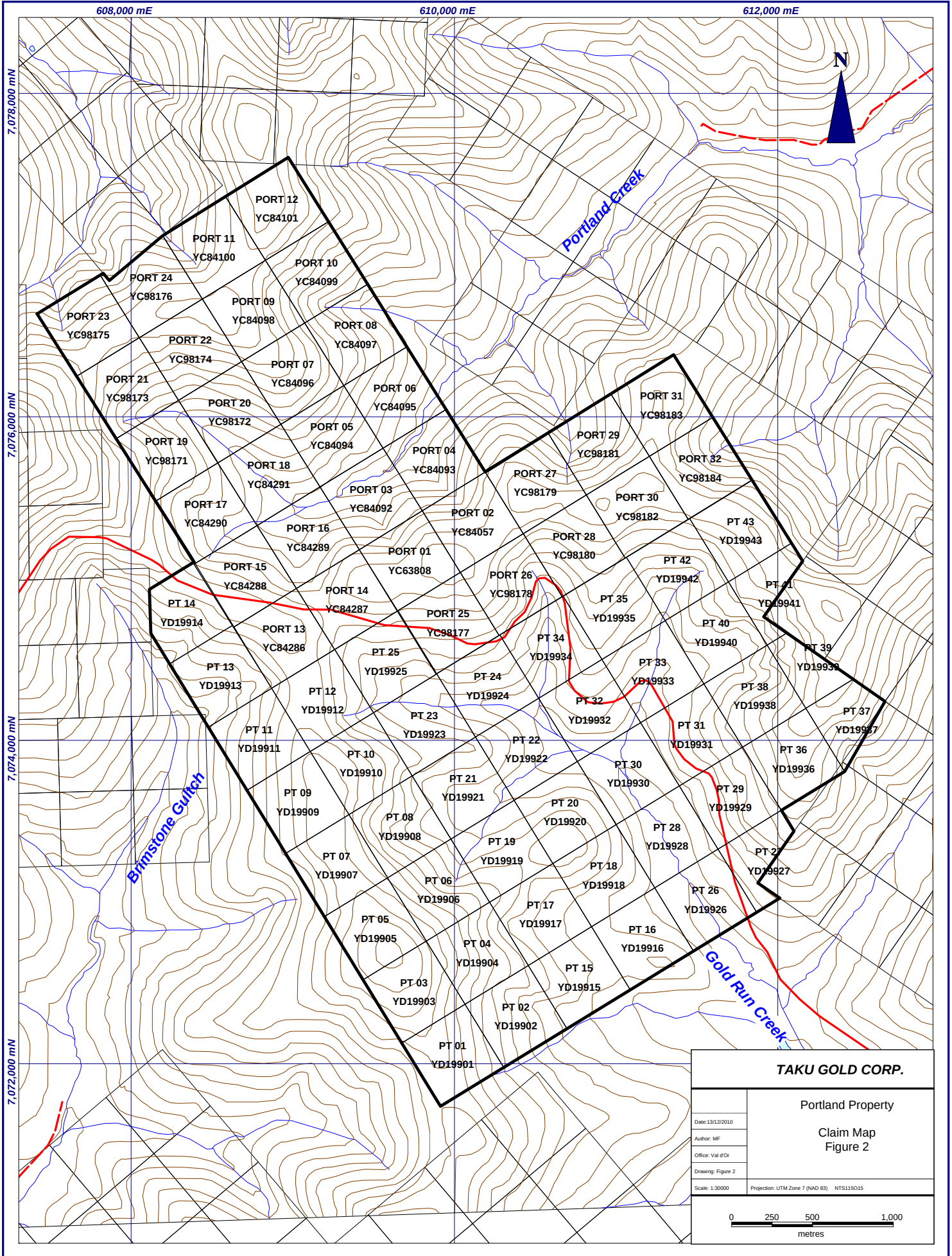
Office: Val d'Or

Drawing: 2011-01

Scale: 1:250000

Projection: UTM Zone 7 (NAD 83)





TAKU GOLD CORP.	
Portland Property	
Claim Map	
Figure 2	
Date: 13/12/2010	
Author: MF	
Office: Val d'Or	
Drawing: Figure 2	
Scale: 1:20000	Projection: UTM Zone 7 (NAD 83) NTS115015
02505001,000 metres	

On October 1, 2010 Taku entered into an option agreement with Mr. Franz Vidmar (the “Vendor”) of Dawson City, Yukon. Under the terms of the option, Taku has agreed to pay \$40,000 cash and issue 400,000 shares to the Vendor and complete \$500,000 of exploration work scheduled over a three year period to earn a 100% interest in the Property subject to a 2% royalty on mineral production. Hinterland will have the option to purchase 1% of the royalty for \$1 Million and will have the right of first refusal on the remaining 1%. The transaction was subject to TSX Venture Exchange approval which was obtained on November 2, 2010.

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.

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

Access to the Property is relatively good compared to other parts of the Dawson City area as it is reachable by a network of summer roads (Figure 2). To get to the Property from Dawson City one takes the Hunker Creek Road and then left onto the Sulphur Creek Road to a point 2km south of the Hunker-Sulphur junction. From this point one follows a narrow road on the left that travels along a ridge in a southeast direction for a distance of approximately 15km before crossing the west boundary of the Property. The road continues along the ridge for another 2km before dropping into Gold Run Creek. It continues on the east side of the creek for additional 3km before crossing the south boundary of the Property.

Portland is located in an isolated part of Yukon with relatively few local resources or infrastructure. The Property can be worked from Dawson City by truck or, as in the case of the work described in this Report, it can be worked from an exploration camp built 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 headwaters of Portland Creek in the Dawson Range of Yukon. Unlike most parts of Yukon, the Dawson Range was not affected by the last period of continental glaciations and so it is characterized by low rolling hills incised with steep sided, V-shaped valleys. Bedrock is typically deeply weathered and there is very little (perhaps less than 5%) outcrop exposed; usually on ridges above tree-line

or in rare canyons in the creek valleys. Elevations on the Property range from 700m to 920m 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 metre. 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

The following exploration history of the Property has been compiled from the Yukon Energy and Mines and Resources Library and Yukon Geological Survey MINFILE database. There has been limited exploration work on the property. Table 2 below lists all known assessment reports that describe work done 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
Dawson Eldorado Gold Expl. Ltd.	1984	091559	J.K. Mortensen	Soil geochem	091559.pdf
Dawson Eldorado Gold Expl. Ltd.	1984	091565	J.K. Mortensen	n/a	n/a
UKHM Ltd.	1985	091634	D.R. Prince	Percussion drilling	091634.pdf
UKHM Ltd.	1988	092600	A.J. McFaull	Soil Geochem/Trenching	092600.pdf
UKHM Ltd.	1989	092743	A.J. McFaull	Mechanical trenching	092743.pdf
Klondike Reef Mines Ltd.	1997	092974	D.Mark	Geophysics	092974.pdf
Otis J Exploration Ltd.	1993	093158	P. Southam	Soil geochem	093158.pdf
Barramundi Gold Ltd.	1997	093711	R. Stevens	Regional geochem	093711.pdf
Barramundi Gold Ltd.	1999	094021	W.A. Sears	Airborne geophysics	094021.pdf
KSL Expl. (Yukon) Ltd.	2001	094268	R.G. Adamson & C.M. Thomas	MMI geochem	094268.pdf
KSL Expl. (Yukon) Ltd.	2003	094355	R.G. Adamson & C.M. Thomas	MMI geochem	094355.pdf

There are a number of mineral showings documented within the area of the Property listed in Table 3 below:

Table 3 - MINFILE Showings

MINFILE No.	MINEFILE Name	Link
1150 063	Gold Run	1150 063
1150 065	Dominion	1150 065
1150 138	Cowan	1150 138

Quartz or hard rock prospecting in the Dominion Mountain area dates back to the Klondike Gold Rush and has continued sporadically since then. Most of this work appears to have concentrated on the Gold Run showing (1150 063) that was first staked in 1910 by W.D. MacKay and N.J. Donahue who tested the showing with extensive surface hand trenching and about 30m of shafting and 23m of adits until 1924. MacLean (1914) reported that three samples of quartz were taken from this structure. One of them was taken from an outcrop and two of them were taken from a hand trench; all panned colours of gold. The two latter samples assayed 1.8 ounces per ton gold and 5.7 ounces per ton gold, respectively.

No other work is documented in the area until 1983 when Dawson Eldorado Gold Ltd. completed a reconnaissance soil geochemistry survey consisting of five lines spaced approximately 1000m with sample intervals of 250m over the Klun 1 to 32 claims (AFR No. 091559). No significant results were reported.

In 1984 United Keno Hill Mines Ltd. Completed 375m of percussion drilling in a fence of five holes spaced approximately 30m apart on the Run 42 claim as part of a larger regional gold exploration program (AFR No. 091634). This work was done just south of the Property. No significant results were reported.

In 1993 Otis J Exploration collected 194 soil samples at 25m intervals on two lines along the 875m contour on the Property at the headwaters of Portland and Gold Run creeks on the King 1 to 60 claims (AFR No. 093158). Two samples located directly down slope from the Gold Run Showing returned strong gold values of 45 and 140ppb Au.

In 1996 Barramundi Gold Ltd. carried out a regional silt sampling, mapping, prospecting, and rock sampling program over a very large block of claims that included the area of the Property (AFR No. 093711). No significant results were reported. In 1999 Barramundi flew an airborne geophysical survey over the area (AFR No. 094021).

In 2001 KSL (Yukon) Ltd. completed an MMI geochemical survey on the Strike 1 to 31 claims (AFR No. 094268) at the headwaters of Gold Run Creek. No significant results were reported. In 2003 KSL (Yukon) Ltd. did additional MMI geochemical sampling on the Strike 14 to 31 claims with no significant results reported (AFR No. 094355). The work described in these two reports was done at the southern end of the present Property.

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 (Figure 3) which, according to limited regional mapping and compilation (Mortensen, 1996) is underlain primarily by Devonian to Mississippian quartz mica schists, quartzites and carbonaceous quartzites with occasional intervals of marble, orthogneiss, amphibolite, mafic schist and metaconglomerate, and Permian rocks including the Klondike (muscovite-chlorite-quartz-feldspar) schist and orthogneiss presumed to be derived from quartz monzonite (sometimes referred to as Sulphur Creek orthogneiss).

Limited mapping on the Property (Ryan and Gordey, 2004) indicates that it is underlain mainly by Devonian to Mississippian quartz mica schists. Permian Klondike schists on the west side of the Property have been structurally emplaced over the Devonian to Mississippian rocks by the west-dipping Sulphur Creek thrust fault (Figure 4).

7. Deposit Types

The Property lies within an underexplored part of the loosely defined Tintina Gold Belt. This metallogical province has past production of 29.9 million ounces and 39.3 million ounces of resources for total gold resources of 69.2 million ounces. Notable gold deposits are Donlin Creek, Ft. Knox, Pogo and Brewery Creek. The underexplored nature of the Klondike-White Gold district's hard rock potential was highlighted by Underworld's discovery of the Saddle and Arc zones in May 2009 on the White property located 75km southeast of Portland, and more recently by the Supremo discovery on Kaminak's Coffee property located approximately 100km south of Portland.

600,000 mE

625,000 mE

N

Dawson City ~10km

Portland Property

TAKU GOLD CORP.

Portland Property
Regional Geology
Figure 3

Date: 15/2/2011

Author: MF

Office: Val d'Or

Drawing: 2011-03

Scale: 1:250000

Projection: UTM Zone 7 (NAD 83)

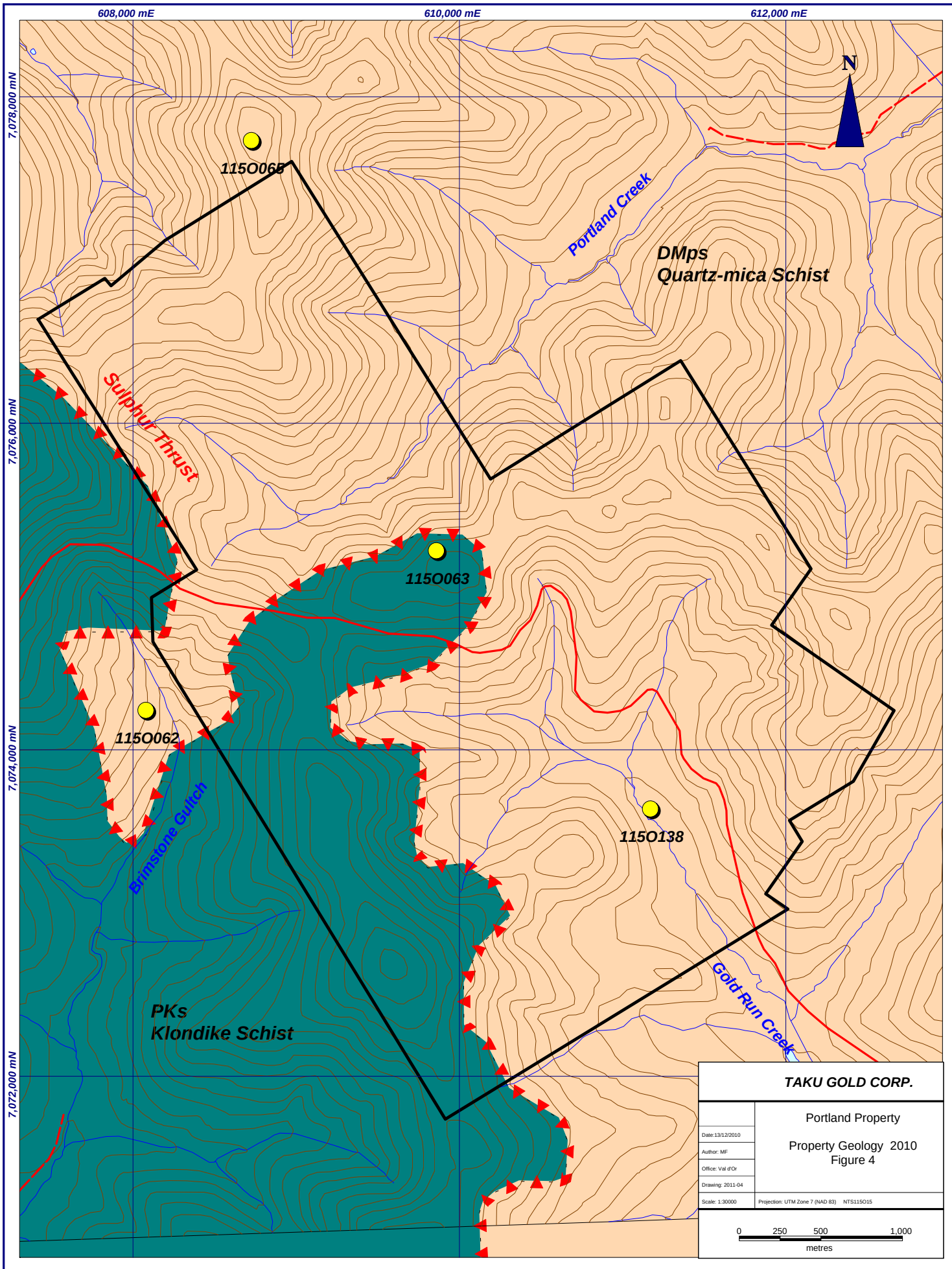
0 2.5 5 10
kilometres

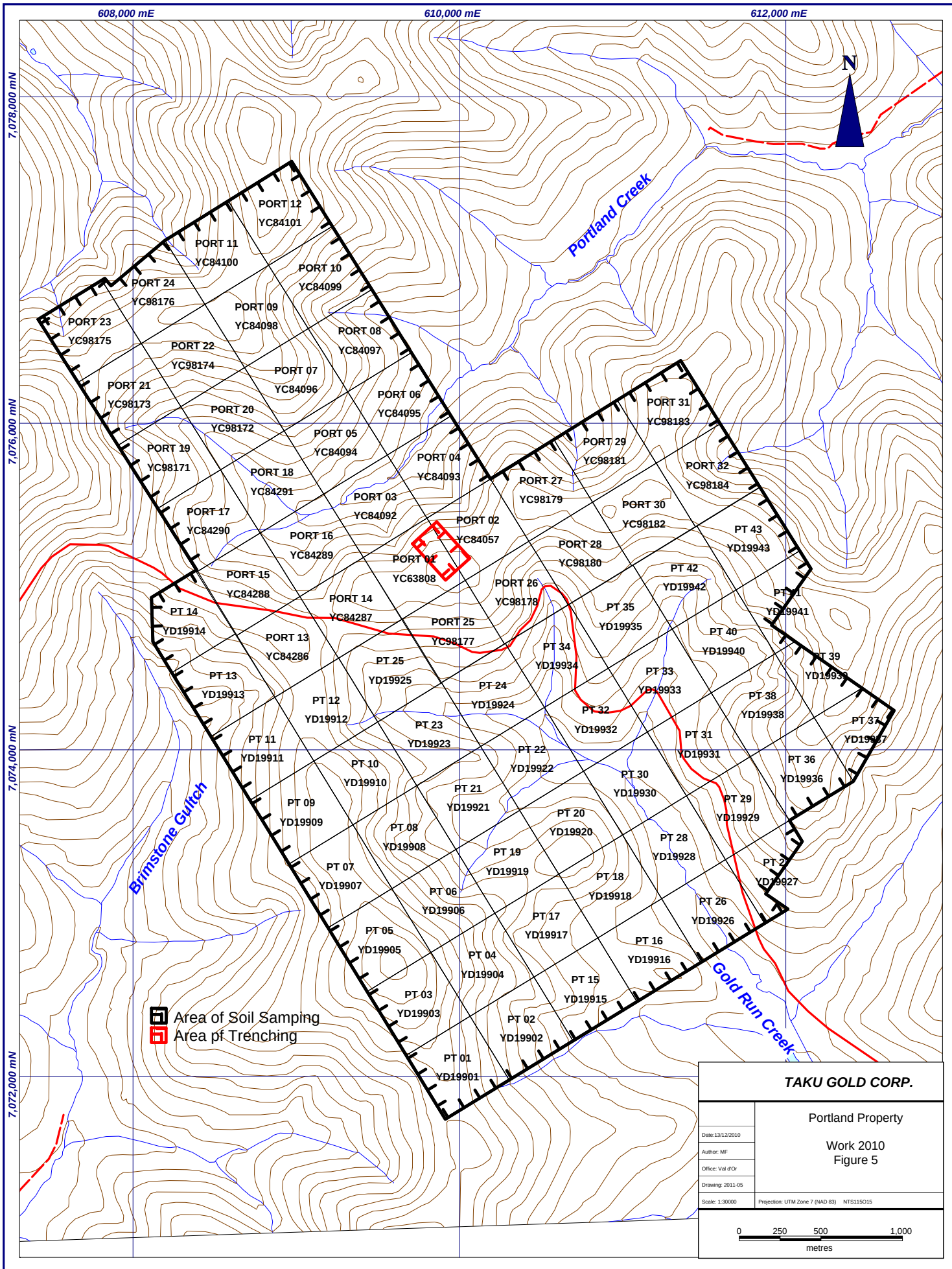
7,075,000 mN

7,050,000 mN



Figure 3 continued. Legend for Regional Geology





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 Portland 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

The Gold Run showing is the best exposed mineralization found on the Property to date. It occurs as a series of outcrops of white quartz over a distance of approximately 250m trending northwest from the ridge downhill towards Portland Creek. It is not certain if these quartz outcrops represent a single vein or a series of veins. The quartz is generally very white but is in places stained rusty with iron oxides probably derived from pyrite and other sulphides. Visible gold as well as galena is found locally within the vein. The veining is sub-vertical and variably dips northeast and southwest. It appears to be subparallel to the schistosity of the surrounding bedrock.

9. 2010 Exploration Work

9.1. Introduction

Exploration work in 2010 included a wide-spaced soil geochemical survey over most of the property followed by trenching at the Gold Run showing (Figure 5). Some limited prospecting and sampling was done as well. The field work was done from August 25 to October 20, 2010. The Author compiled the field data into digital maps and wrote this Report up to December 10, 2010. A detailed Statement of Work is included herein as Appendix A.

9.2. Sampling and Analytical Procedures

A soil geochemical survey and limited prospecting survey was conducted on the Property over a four-week period from August 25 to September 26, 2010. The field work was done by prospectors Franz Vidmar of Dawson City, Yukon and Darrell Kraemer of Ottawa, Ontario. The work was supervised by the Author. The work was done on foot and by ATV from a camp set up on the property. A total of 1001 soil samples were collected with hand augers at 50m sample intervals along southwest to northeast GPS traverse lines (Figure 6). Several sets of three lines spaced 100m apart were done. The distance between the sets was generally 700m. This 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. More detailed sampling at 25m sample intervals was done in the area of the Gold Run showing to see if the mineralization at this site generated a particular geochemical signature that could be used to identify other prospective areas.

Sample locations were flagged in the field and recorded with Garmin 76CX GPS receivers in map datum UTM NAD 83 Zone 7. Sample locations and descriptions are included as Appendix B. A data CD is also included. Soil sample material varied from clay to sand with some humus samples. Sample depth varied from 5 to 90cm with an average depth of 30cm.

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

A number of rock samples were collected including 7 prospecting samples and 22 trenching samples. The samples were placed in plastic bags with a sample tag. The tag number was marked on the outside of the sample bag in indelible ink. The rock samples were sent to Acme and prepared by crushing 1kg to 80% passing -10 mesh and then pulverizing a 250g sub-sample to 85% passing -200 mesh. Each sub-sample was analyzed for gold by 30g fire assay, ICP-ES finish. Over limit (>10gpt Au) samples were re-assayed by 30g fire assay, gravimetric finish (Appendix C).

9.3. Trenching

The trenching was completed at the historical Gold Run showing. This work was done from October 17 to 20, 2010 with a Cat Excavator supplied by Kluane Drilling Ltd. Franz Vidmar supervised the work. Six trenches were dug across the zone at 50m intervals along a strike length of 250m of the poorly exposed sulphide-bearing quartz-breccia vein that makes up the Gold Run structure. Each trench is approximately 10m long, 2m wide and 2m deep for a total excavated volume of 240m³. A total of 22 samples were systematically collected across the mineralized structure at 1.0m intervals. Due to the broken nature of the bedrock it was difficult to collect true chip samples. It would be better to describe them as composite grab samples.

9.4. Data Verification

It is the Author's opinion that the sampling procedures, security measures, sample preparations and analytical methods applied to the soil and rock samples were diligently followed and are adequate to meet industry standards commonly accepted for this level of exploration. The Author has relied upon the adequacy and accuracy of the analytical results provided by Acme. Independent verification of those results has not been undertaken. The Author verified the field data with the analytical results. There were discrepancies involving five soil samples that could not be reconciled. These samples were deleted from the database.

9.5. Results

Detailed soil sampling over the Gold Run showing shows a weak to moderate but distinct, northwest-trending, linear gold-in-soil anomaly (C) at least 250m long and possibly up to 1500m long (Figure 7). The maximum soil value over the showing is 30.7ppb Au. Three similar gold-in-soil anomalies have been identified elsewhere on the Property. The first (D) is located approximately 1,500m east of the Gold Run trend. It is a weak to moderate linear anomaly that shows a similar northwest trend over a length of 900m with a maximum value of 10.6ppb Au. The second (B) is located approximately 800m west of the Gold Run trend. It is a weak to moderate linear anomaly that shows a similar northwest trend over a length of 2,900m with a maximum value of 45.5ppb Au. The third (A) is located approximately 1,400m west of the Gold Run trend. It is a weak to moderate, linear anomaly that shows a similar northwest trend over a length of 750m with a maximum value of 14.2ppb Au.

A number of other elements were looked at to see if there was any correlation to gold. Galena was noted in the old trenches at the Gold Run showing and there is a positive correlation between lead and gold along the Gold Run trend (Figure 8). Lead values are also elevated along Anomaly B. Arsenic values do not correlate well with gold values near the Gold Run showing or elsewhere on the property. However arsenic shows a strong spatial correlation with the Sulphur Creek thrust fault (Figure 8).

Table 4 - 2010 Soil Sample Statistics

Element	Minimum	Maximum	75 Percentile	90 Percentile	95 Percentile	98 Percentile
Au ppb	0.5	45.5	2.5	4.4	6.4	9.8
As ppm	0.5	123.0	6.5	8.9	11.6	19.9
Pb ppm	0.9	351.2	19.4	28.2	39.0	57.7
Ag ppm	0.1	1.3	0.1	0.2	0.3	0.4
Cu ppm	1.5	161.2	25.6	43.2	58.9	82.9
Sb ppm	0.0	12.7	0.5	0.7	0.9	1.3

The samples taken from the trenches returned some very high gold values (Figure 9). The best values were obtained in Trench No. 4 where the vein structure averaged 97.23gpt Au (uncut) over 7.0m with a maximum value of 455.76gpt Au. The sampling results are summarized as follows:

Table 5 - Trench Sample Results

Trench No.	Min. Au gpt	Max. Au gpt	Wt. Avg. gpt Au (uncut)	Wt.Avg. gpt Au (cut)*	Width m
1	0.09	0.11	0.10	0.10	2.0
2	0.30	2.21	1.26	1.26	2.0
3	0.64	34.76	7.42	5.93	6.0
4	0.21	455.76	97.23	27.26	7.0
5	0.03	3.93	1.65	1.65	3.0
6	0.03	0.05	0.04	0.04	2.0

*Cut to 34.34gpt Au

10. Adjacent Properties

No gold deposits are known to exist on properties immediately adjacent to the Property. Significant gold mineralization has been found approximately 75km southeast of Portland at Kinross's White Gold deposit with a current resource estimation at the Golden Saddle zone of 1,004,570 indicated ounces at 3.2gpt Au and 407,413 inferred ounces at 2.5gpt Au; and at the Arc Zone of 170,470 inferred ounces at 1.2gpt Au (Underworld News Release - January 19, 2010). Kaminak's discovery hole of 15.5m over 17.1gpt Au at the Supremo zone (Kaminak News Release - May 26, 2010) lies about 100km south of Portland.

The Author has 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 Portland property.** However, this information does indicate that the Klondike-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 on the Property.

12. Mineral Resource and Mineral Reserve Estimates

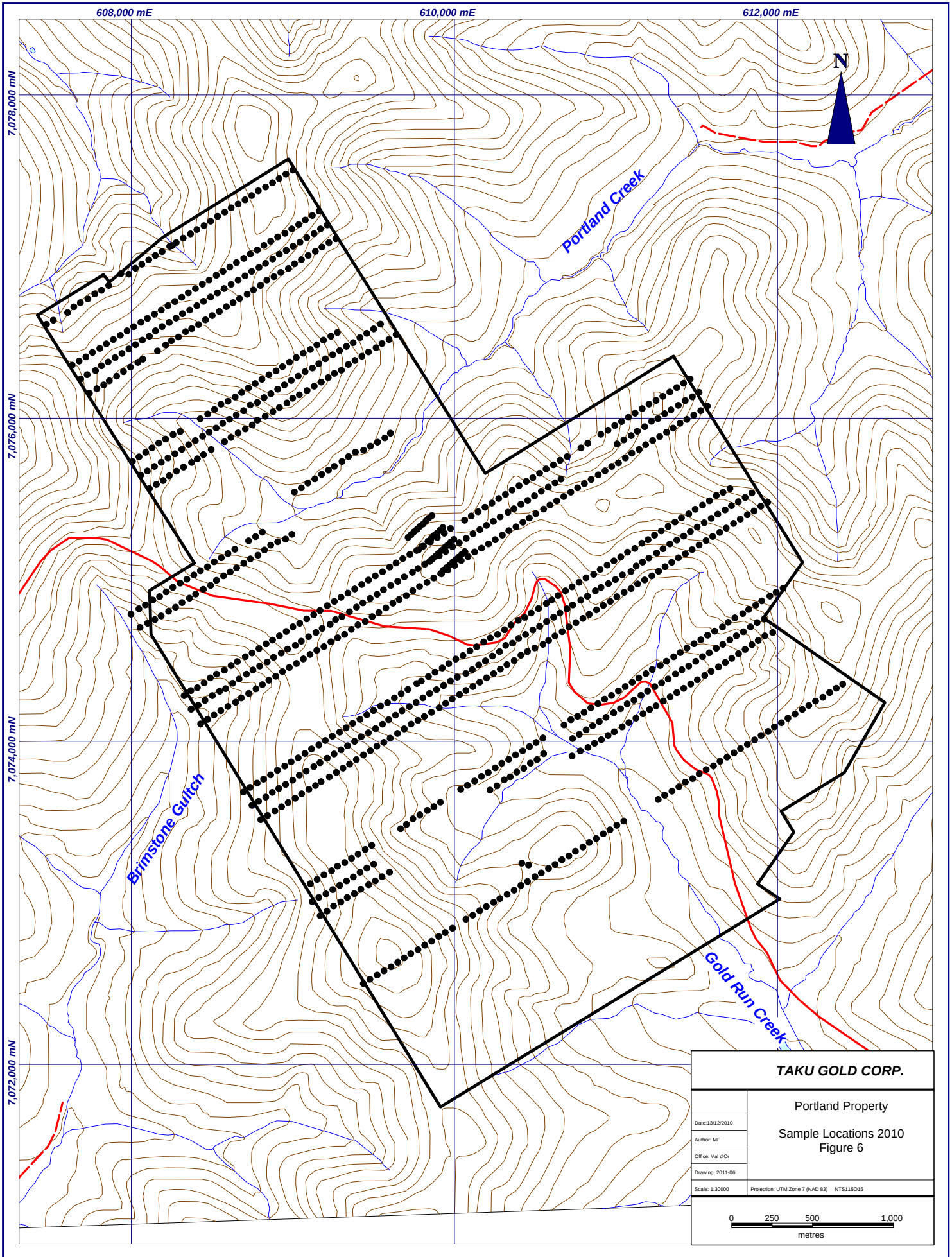
To date no mineral resource or mineral reserve estimates have been completed on the Property. It is at a "grassroots" level of exploration such that it is too early to make any resource or reserve estimates.

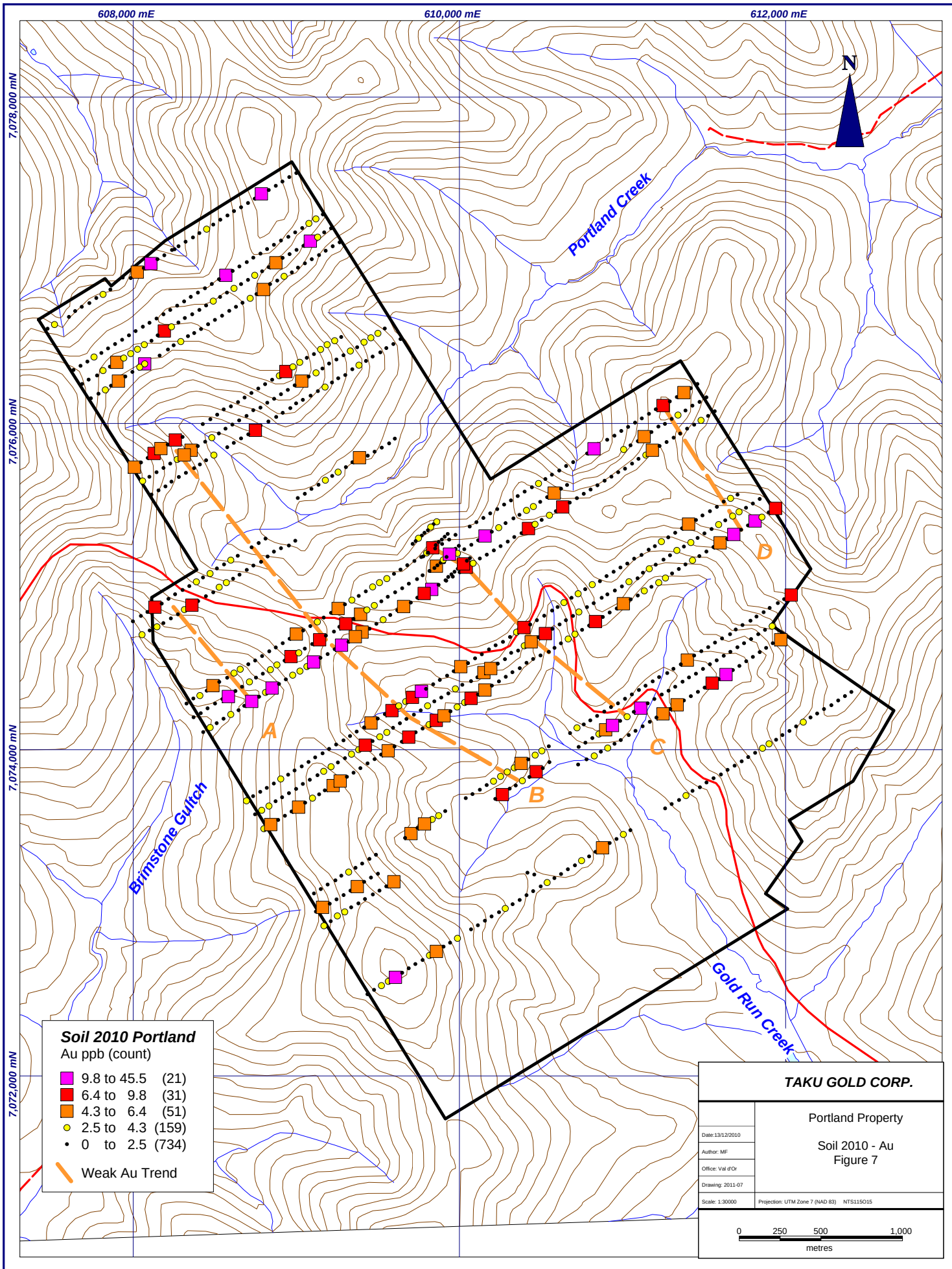
13. Other Relevant Data and Information

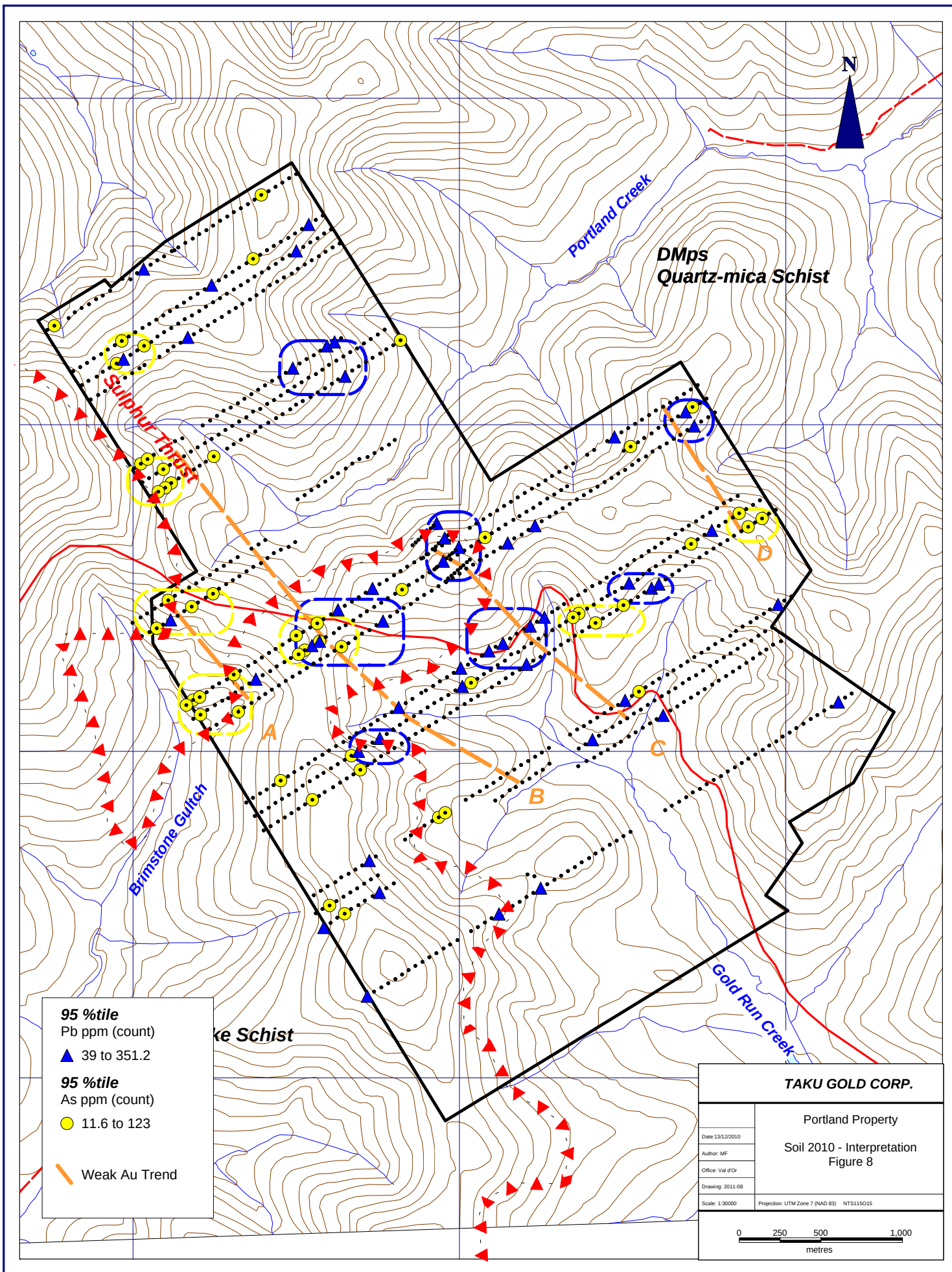
The Author is not aware of any other relevant data and information or explanation to make this report more understandable and not misleading.

14. Interpretation of Results and Conclusions

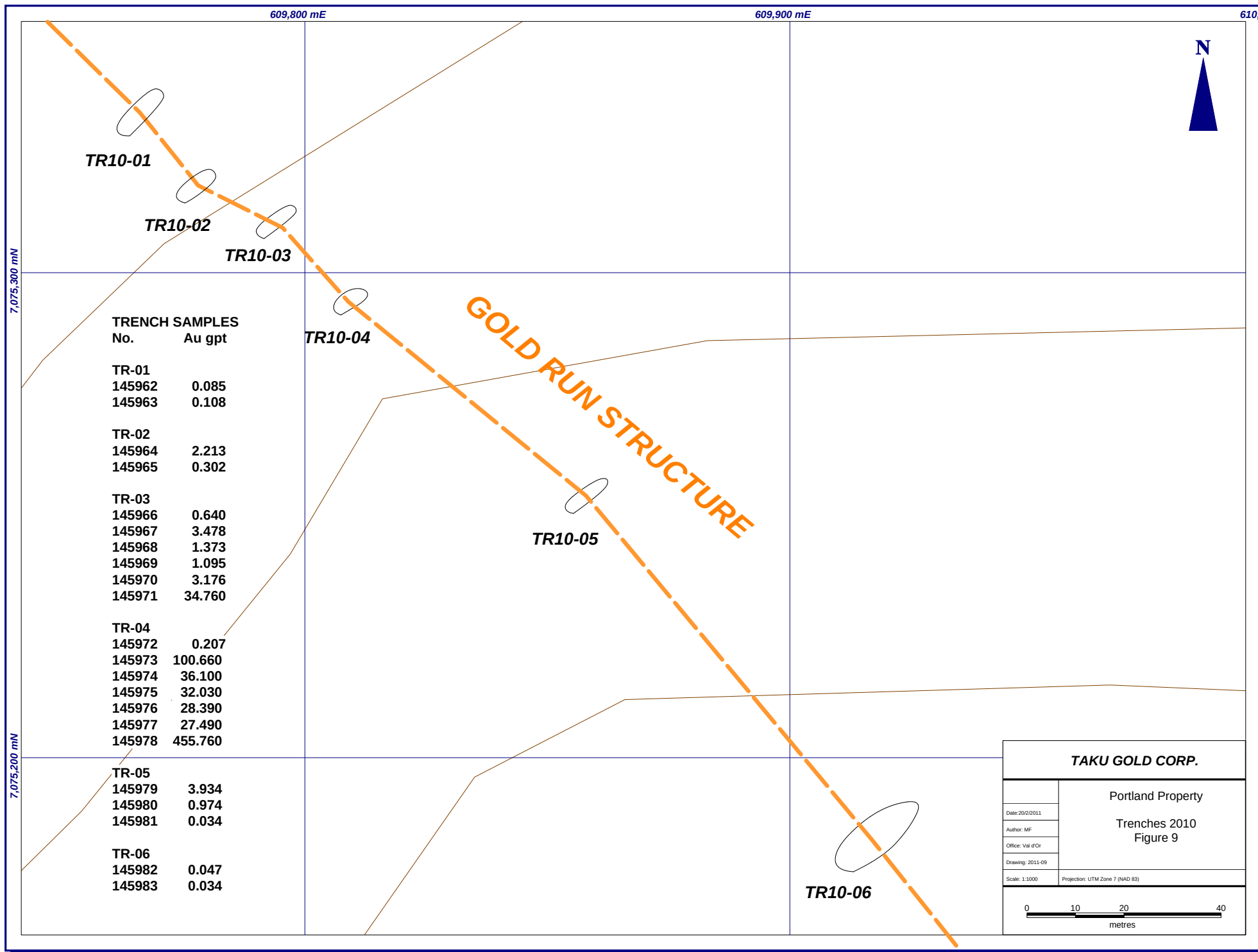
Overall the gold-in-soil results are not overwhelming. However, together they do identify four, northwest-trending, linear, weak to moderate gold anomalies. The Gold Run showing is not marked by a distinct geochemical signature. There is a weak correlation with lead that is probably related to galena mineralization. Arsenic does not correlate very well with gold but elevated arsenic values are spatially related to the Sulphur Creek thrust fault. In order to identify any more gold-bearing structures, prospecting and sampling is required along the four gold trends especially where lead-in-soil values are elevated. Prospecting and sampling should also be done along the Sulphur Creek thrust fault especially where arsenic-in-soil values are elevated. The rock samples collected in the Gold Run trenches returned spectacular, high grade results. Clearly the gold is directly related to the quartz veins but is probably coarse-grained and subject to nugget effect. Previous trenching and shafting indicate that the Gold Run structure is at least 250m long. Drilling is required to further test the nature, grade and extent of this structure.







TAKU GOLD CORP.	
Portland Property	
Soil 2010 - Interpretation Figure 8	
Date: 13/12/2010	
Author: MF	
Office: Val d'Or	
Drawing: 2011-08	
Scale: 1:20000	Projection: UTM Zone 7 (NAD 83) NTS115015
0 250 500 1,000 metres	



15. Recommendations

It is the Author's opinion that the Portland property is of sufficient merit to recommend that exploration continue. The soil sampling survey met its primary goal of outlining geochemical trends that may potentially lead to gold-bearing structures. However the four trends identified show only weak to moderate gold values and no clear elemental associations other than possibly lead and arsenic. More soil sampling, prospecting and rock sampling is required to better delineate the gold trends, confirm their gold potential and identify suitable drill targets. The Gold Run showing is ready to drill but it would be more cost effective to outline some additional targets prior to mobilizing a drill onto the Property.

It is recommended that the soil geochemical survey be extended to cover the entire property. This work will better define the four gold trends and provide better focus for the prospecting and rock sampling work. It is hoped that this work will also identify one or more drill targets in addition to the Gold Run showing. Drilling is recommended subsequent to the surface work. It is estimated that the recommended program will cost \$525,000 with a 20% contingency of \$120,000 for a total estimated cost of \$720,000 outlined as follows:

Table 6 - Estimated Exploration Costs

Soil Geochem	1000	samples @	\$60	per sample	\$60,000
Prospecting	20	man days @	\$750	per man day	\$15,000
Drilling	1500	m @	\$350	m	\$525,000
Subtotal					\$600,000
Contingency					\$120,000
Total					\$720,000

The drilling can be adjusted downwards according to the results of the surface work. In the absence of additional drill targets, a minimum of 750m is required to initially test the Gold Run structure. This scenario will cost \$337,500 with a 20% contingency of \$67,500 for a total estimated cost of \$405,000.

16. References

- Gordey, S.P. and Makepeace, A.J. (1999)
Yukon Digital Geology; Geological Survey of Canada, Open File D3826.
- MacKenzie, D.J., Craw, D. and Mortensen, J., 2008a
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- MacLean, T.A., 1914
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- 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), 43 p.
- Ryan, J.J. and Gordey, S.P., 2004.
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Appendix A - Statement of Work

Geochem

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	
Acme	62766	27-Oct-10							2,392.50		2,392.50	
Acme	61384	13-Oct-10							5,263.50		5,263.50	
Acme	62547	25-Oct-10							4,620.00		4,620.00	
Acme	63751	5-Nov-10							4,224.00		4,224.00	
Acme	64821	16-Nov-10									0.00	
Breakaway	641	30-Sep-10	10,125.00	2,332.70	208.96	1,417.95	2,700.00				16,784.61	
Breakaway	642	30-Sep-10									0.00	
Breakaway	651	30-Nov-10	1,500.00								1,500.00	
Heli-Dynamics	10520	10-Sep-10									0.00	
Small's Exp.	K4225	31-Aug-10				860.00					860.00	
Kluane Drilling	8116	20-Oct-10									0.00	
Franz Vidmar	603201	18-Oct-10	6,000.00	1,100.00		750.00					7,850.00	
Breakaway	656	22-Dec-10	3,750.00								3,750.00	
			21,375.00	3,432.70	208.96	3,027.95	2,700.00	0.00	16,500.00	0.00	47,244.61	
										Check	47,244.61	0.00

Trenching

Supplier	Invoice	Date	Trenching								Total
			Wages & Contract	F&L	Supplies	Transport	Rentals	Drafting Maps etc.	Assays	Other	Total
Name	Ref No.	Date	5650	5651	5652	5653	5654	5655	5656	5657	Total
Acme	62766	27-Oct-10									0.00
Acme	61384	13-Oct-10									0.00
Acme	62547	25-Oct-10									0.00
Acme	63751	5-Nov-10									0.00
Acme	64821	16-Nov-10							648.13		648.13
Breakaway	641	30-Sep-10									0.00
Breakaway	642	30-Sep-10	1,500.00	1,000.60		634.56					3,135.16
Breakaway	651	30-Nov-10									0.00
Heli-Dynamics	10520	10-Sep-10				2,032.80					2,032.80
Small's Exp.	K4225	31-Aug-10									0.00
Kluane Drilling	8116	20-Oct-10	7,652.00								7,652.00
Franz Vidmar	603201	18-Oct-10	1,250.00								1,250.00
Breakaway	656	22-Dec-10									0.00
			10,402.00	1,000.60	0.00	2,667.36	0.00	0.00	648.13	0.00	14,718.09
									Check	14,718.09	0.00

Appendix B - Soil Sample Locations

Soil Samples 2010 Portland

Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
21862	11-Sep-10	12:36:09	7V	607475	7076581	953	21862	Soil
21863	11-Sep-10	12:52:45	7V	607518	7076606	936	21863	Soil
21864	11-Sep-10	13:10:28	7V	607606	7076653	931	21864	Soil
21865	11-Sep-10	13:12:34	7V	607644	7076689	941	21865	Soil
21866	11-Sep-10	13:21:55	7V	607685	7076715	946	21866	Soil
21867	11-Sep-10	13:28:34	7V	607731	7076738	951	21867	Soil
21868	11-Sep-10	13:35:46	7V	607774	7076769	952	21868	Soil
21869	11-Sep-10	13:41:52	7V	607815	7076791	948	21869	Soil
21870	11-Sep-10	13:53:17	7V	607860	7076821	945	21870	Soil
21871	11-Sep-10	14:05:24	7V	607936	7076894	933	21871	Soil
21872	11-Sep-10	14:13:06	7V	607985	7076891	952	21872	Soil
21873	11-Sep-10	14:25:58	7V	608025	7076928	962	21873	Soil
21874	11-Sep-10	14:27:51	7V	608065	7076953	966	21874	Soil
21875	11-Sep-10	14:33:39	7V	608108	7076980	960	21875	Soil
21876	11-Sep-10	14:44:02	7V	608149	7077007	949	21876	Soil
21877	11-Sep-10	14:57:38	7V	608191	7077031	935	21877	Soil
21878	11-Sep-10	15:05:12	7V	608238	7077063	916	21878	Soil
21879	11-Sep-10	15:07:46	7V	608254	7077068	911	21879	Soil
21880	11-Sep-10	15:21:34	7V	608278	7077086	919	21880	Soil
21881	11-Sep-10	15:24:40	7V	608321	7077114	926	21881	Soil
21882	11-Sep-10	15:31:01	7V	608366	7077140	940	21882	Soil
21883	11-Sep-10	15:40:05	7V	608406	7077167	948	21883	Soil
21884	11-Sep-10	15:47:22	7V	608450	7077191	959	21884	Soil
21885	11-Sep-10	15:55:15	7V	608491	7077219	975	21885	Soil
21886	11-Sep-10	16:12:42	7V	608534	7077249	985	21886	Soil
21887	11-Sep-10	16:17:16	7V	608578	7077275	1001	21887	Soil
21888	11-Sep-10	16:32:59	7V	608618	7077302	1010	21888	Soil
21889	11-Sep-10	16:41:27	7V	608661	7077325	1022	21889	Soil
21890	11-Sep-10	16:47:48	7V	608704	7077351	1040	21890	Soil
21891	11-Sep-10	16:54:02	7V	608745	7077378	1052	21891	Soil
21892	11-Sep-10	17:10:05	7V	608786	7077407	1062	21892	Soil
21893	11-Sep-10	17:12:08	7V	608831	7077431	1059	21893	Soil
21894	11-Sep-10	17:18:03	7V	608874	7077457	1057	21894	Soil
21895	11-Sep-10	17:24:33	7V	608915	7077483	1045	21895	Soil
21896	11-Sep-10	17:29:52	7V	608957	7077510	1032	21896	Soil
21897	11-Sep-10	17:34:07	7V	609000	7077535	1013	21897	Soil
21899	6-Sep-10	11:55:56	7V	607634	7076328	1023	21899	Soil
21900	6-Sep-10	12:18:36	7V	607677	7076353	1015	21900	Soil
21901	6-Sep-10	12:26:01	7V	607719	7076379	1009	21901	Soil
21902	6-Sep-10	12:32:16	7V	607760	7076407	1007	21902	Soil
21903	6-Sep-10	12:40:57	7V	607805	7076432	1008	21903	Soil
21904	6-Sep-10	12:47:43	7V	607846	7076460	1012	21904	Soil
21905	6-Sep-10	12:54:09	7V	607889	7076487	1014	21905	Soil
21906	6-Sep-10	13:02:24	7V	607932	7076513	1010	21906	Soil
21907	6-Sep-10	13:08:40	7V	607974	7076540	1006	21907	Soil
21908	6-Sep-10	13:16:38	7V	608015	7076566	1009	21908	Soil
21909	6-Sep-10	13:31:44	7V	608059	7076593	1016	21909	Soil
21910	6-Sep-10	13:42:01	7V	608100	7076617	1014	21910	Soil
21911	6-Sep-10	13:56:15	7V	608143	7076643	1015	21911	Soil
21912	6-Sep-10	14:05:17	7V	608186	7076669	1020	21912	Soil
21913	6-Sep-10	14:14:38	7V	608227	7076696	1024	21913	Soil
21914	6-Sep-10	14:21:30	7V	608270	7076722	1025	21914	Soil
21915	6-Sep-10	14:29:48	7V	608312	7076748	1018	21915	Soil
21916	6-Sep-10	14:38:31	7V	608353	7076776	1010	21916	Soil
21917	6-Sep-10	14:44:43	7V	608397	7076802	1011	21917	Soil
21918	6-Sep-10	14:50:45	7V	608440	7076829	1008	21918	Soil
21919	6-Sep-10	14:58:42	7V	608482	7076855	1001	21919	Soil
21920	6-Sep-10	15:06:30	7V	608526	7076884	1008	21920	Soil
21921	6-Sep-10	15:13:35	7V	608568	7076908	1012	21921	Soil
21922	6-Sep-10	15:21:59	7V	608610	7076935	1016	21922	Soil
21923	6-Sep-10	15:28:42	7V	608651	7076962	1023	21923	Soil
21924	6-Sep-10	15:41:40	7V	608696	7076989	1024	21924	Soil
21925	6-Sep-10	15:54:11	7V	608736	7077016	1025	21925	Soil
21926	6-Sep-10	16:14:20	7V	608780	7077041	1028	21926	Soil
21927	6-Sep-10	16:23:47	7V	608821	7077069	1028	21927	Soil
21928	6-Sep-10	16:30:33	7V	608863	7077095	1028	21928	Soil
21929	6-Sep-10	16:37:45	7V	608906	7077121	1023	21929	Soil
21930	6-Sep-10	16:49:04	7V	608951	7077144	1007	21930	Soil
21931	6-Sep-10	16:54:24	7V	608993	7077171	1007	21931	Soil
21932	6-Sep-10	17:01:23	7V	609036	7077198	1003	21932	Soil
21933	6-Sep-10	17:07:44	7V	609077	7077226	999	21933	Soil
21934	6-Sep-10	17:14:52	7V	609120	7077254	997	21934	Soil

Soil Samples 2010 Portland

Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
21935	6-Sep-10	17:23:03	7V	609163	7077281	991	21935	Soil
21936	4-Sep-10	12:56:16	7V	607687	7076242	1038	21936	Soil
21937	4-Sep-10	13:06:52	7V	607727	7076269	1019	21937	Soil
21938	4-Sep-10	13:15:40	7V	607778	7076294	1010	21938	Soil
21939	4-Sep-10	13:17:10	7V	607815	7076324	1003	21939	Soil
21940	4-Sep-10	13:24:00	7V	607857	7076348	1003	21940	Soil
21941	4-Sep-10	13:29:14	7V	607900	7076375	1003	21941	Soil
21942	4-Sep-10	13:37:13	7V	607942	7076401	1000	21942	Soil
21943	4-Sep-10	13:48:19	7V	607985	7076428	998	21943	Soil
21944	4-Sep-10	13:56:58	7V	608026	7076455	997	21944	Soil
21945	4-Sep-10	14:03:32	7V	608068	7076483	1005	21945	Soil
21946	4-Sep-10	14:11:10	7V	608112	7076507	1006	21946	Soil
21947	4-Sep-10	14:22:23	7V	608150	7076540	1012	21947	Soil
21948	4-Sep-10	14:35:35	7V	608191	7076567	1016	21948	Soil
21949	4-Sep-10	14:48:03	7V	608235	7076592	1022	21949	Soil
21950	4-Sep-10	14:58:07	7V	608277	7076619	1026	21950	Soil
21951	4-Sep-10	15:10:34	7V	608317	7076646	1028	21951	Soil
21952	4-Sep-10	15:31:24	7V	608362	7076669	1030	21952	Soil
21953	4-Sep-10	15:39:20	7V	608406	7076696	1031	21953	Soil
21954	4-Sep-10	15:45:59	7V	608447	7076723	1033	21954	Soil
21955	4-Sep-10	15:59:13	7V	608491	7076750	1034	21955	Soil
21956	4-Sep-10	16:10:05	7V	608533	7076775	1031	21956	Soil
21957	4-Sep-10	16:15:56	7V	608575	7076802	1030	21957	Soil
21958	4-Sep-10	16:23:14	7V	608618	7076828	1022	21958	Soil
21959	4-Sep-10	16:32:45	7V	608661	7076854	1022	21959	Soil
21960	4-Sep-10	16:39:07	7V	608704	7076880	1016	21960	Soil
21961	4-Sep-10	17:21:20	7V	608745	7076908	1010	21961	Soil
21962	4-Sep-10	17:27:54	7V	608790	7076933	1010	21962	Soil
21963	4-Sep-10	17:33:51	7V	608831	7076958	1005	21963	Soil
21964	4-Sep-10	17:41:25	7V	608875	7076985	997	21964	Soil
21965	4-Sep-10	17:49:43	7V	608916	7077015	999	21965	Soil
21966	4-Sep-10	17:56:56	7V	608959	7077038	999	21966	Soil
21967	4-Sep-10	18:02:57	7V	609001	7077064	999	21967	Soil
21968	4-Sep-10	18:08:07	7V	609044	7077089	999	21968	Soil
21969	4-Sep-10	18:14:09	7V	609086	7077117	999	21969	Soil
21970	4-Sep-10	18:20:24	7V	609131	7077142	968	21970	Soil
21971	4-Sep-10	18:26:39	7V	609171	7077171	961	21971	Soil
21972	4-Sep-10	18:32:38	7V	609213	7077196	960	21972	Soil
21973	4-Sep-10	13:13:27	7V	607741	7076154	1017	21973	Soil
21974	4-Sep-10	13:05:30	7V	607787	7076182	1006	21974	Soil
21975	4-Sep-10	13:24:05	7V	607829	7076206	990	21975	Soil
21976	4-Sep-10	13:29:05	7V	607864	7076231	988	21976	Soil
21977	4-Sep-10	13:37:20	7V	607909	7076260	980	21977	Soil
21978	4-Sep-10	13:50:05	7V	607952	7076288	978	21978	Soil
21979	4-Sep-10	13:54:58	7V	607995	7076316	980	21979	Soil
21980	4-Sep-10	14:10:10	7V	608040	7076345	975	21980	Soil
21981	4-Sep-10	14:14:43	7V	608071	7076365	973	21981	Soil
21982	4-Sep-10	14:33:38	7V	608071	7076365	980	21982	Soil
21983	4-Sep-10	14:53:23	7V	608162	7076416	986	21983	Soil
21984	4-Sep-10	15:00:55	7V	608213	7076453	994	21984	Soil
21985	4-Sep-10	15:08:14	7V	608248	7076479	993	21985	Soil
21986	4-Sep-10	15:17:14	7V	608292	7076502	997	21986	Soil
21987	4-Sep-10	15:25:11	7V	608336	7076535	1015	21987	Soil
21988	4-Sep-10	15:33:31	7V	608374	7076554	1019	21988	Soil
21989	4-Sep-10	15:43:36	7V	608416	7076579	1026	21989	Soil
21990	4-Sep-10	15:55:33	7V	608459	7076608	1035	21990	Soil
21991	4-Sep-10	16:18:39	7V	608501	7076635	1044	21991	Soil
21992	4-Sep-10	16:29:59	7V	608545	7076660	1043	21992	Soil
21993	4-Sep-10	16:43:10	7V	608589	7076690	1042	21993	Soil
21994	4-Sep-10	16:52:48	7V	608630	7076715	1033	21994	Soil
21995	4-Sep-10	17:00:56	7V	608670	7076740	1027	21995	Soil
21996	4-Sep-10	17:10:04	7V	608717	7076767	1011	21996	Soil
21997	4-Sep-10	17:18:38	7V	608756	7076793	1003	21997	Soil
21998	4-Sep-10	17:27:50	7V	608799	7076821	993	21998	Soil
21999	4-Sep-10	17:36:36	7V	608839	7076854	982	21999	Soil
22000	14-Sep-10	11:52:44	7V	608883	7076876	971	22000	Soil
22001	14-Sep-10	12:26:05	7V	608925	7076902	970	22001	Soil
22002	14-Sep-10	12:38:50	7V	608973	7076926	972	22002	Soil
22003	14-Sep-10	12:40:20	7V	609010	7076955	972	22003	Soil
22004	14-Sep-10	12:47:25	7V	609053	7076981	964	22004	Soil
22005	14-Sep-10	12:53:57	7V	609095	7077007	951	22005	Soil
22006	14-Sep-10	12:59:50	7V	609139	7077032	943	22006	Soil

Soil Samples 2010 Portland

Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22007	14-Sep-10	13:06:15	7V	609180	7077059	942	22007	Soil
22008	14-Sep-10	13:11:21	7V	609223	7077086	943	22008	Soil
22009	14-Sep-10	13:19:02	7V	609266	7077110	937	22009	Soil
22010	13-Sep-10	17:43:05	7V	608007	7075732	978	22010	Soil
22011	13-Sep-10	17:36:25	7V	608048	7075761	960	22011	Soil
22012	13-Sep-10	17:28:40	7V	608089	7075789	950	22012	Soil
22013	13-Sep-10	17:26:43	7V	608128	7075816	934	22013	Soil
22014	13-Sep-10	17:12:44	7V	608170	7075846	922	22014	Soil
22015	13-Sep-10	17:02:19	7V	608212	7075871	910	22015	Soil
22016	13-Sep-10	16:56:09	7V	608258	7075899	892	22016	Soil
22017	13-Sep-10	16:51:06	7V	608303	7075917	874	22017	Soil
22018	21-Sep-10	16:54:55	7V	610417	7073246	802	22018	Soil
22019	21-Sep-10	17:05:56	7V	610459	7073235	807	22019	Soil
22020	13-Sep-10	16:27:46	7V	608427	7075996	861	22020	Soil
22021	13-Sep-10	16:19:46	7V	608473	7076026	875	22021	Soil
22022	13-Sep-10	16:13:00	7V	608515	7076054	882	22022	Soil
22023	13-Sep-10	16:08:53	7V	608555	7076086	890	22023	Soil
22024	13-Sep-10	15:58:12	7V	608599	7076105	905	22024	Soil
22025	13-Sep-10	15:44:58	7V	608643	7076131	912	22025	Soil
22026	13-Sep-10	15:31:59	7V	608683	7076159	925	22026	Soil
22027	13-Sep-10	15:25:29	7V	608725	7076187	939	22027	Soil
22028	13-Sep-10	15:17:55	7V	608767	7076214	958	22028	Soil
22029	13-Sep-10	15:10:19	7V	608809	7076241	974	22029	Soil
22030	13-Sep-10	15:03:56	7V	608852	7076268	989	22030	Soil
22031	13-Sep-10	14:40:01	7V	608896	7076292	989	22031	Soil
22032	13-Sep-10	14:32:51	7V	608936	7076318	986	22032	Soil
22033	13-Sep-10	14:25:12	7V	608979	7076347	979	22033	Soil
22034	13-Sep-10	14:17:00	7V	609021	7076375	969	22034	Soil
22035	13-Sep-10	14:08:32	7V	609064	7076402	954	22035	Soil
22036	13-Sep-10	14:01:32	7V	609108	7076425	938	22036	Soil
22037	13-Sep-10	13:55:28	7V	609149	7076454	920	22037	Soil
22038	13-Sep-10	13:49:23	7V	609189	7076483	904	22038	Soil
22039	13-Sep-10	13:42:00	7V	609235	7076507	885	22039	Soil
22040	13-Sep-10	13:39:41	7V	609275	7076530	875	22040	Soil
22041	21-Sep-10	12:49:19	7V	609436	7072501	948	22041	Soil
22042	21-Sep-10	12:57:13	7V	609477	7072528	962	22042	Soil
22043	21-Sep-10	13:04:52	7V	609522	7072554	971	22043	Soil
22044	21-Sep-10	13:09:43	7V	609564	7072580	980	22044	Soil
22045	21-Sep-10	13:15:20	7V	609608	7072605	988	22045	Soil
22046	21-Sep-10	13:23:42	7V	609649	7072633	994	22046	Soil
22047	5-Sep-10	19:05:06	7V	608058	7075647	963	22047	Soil
22048	5-Sep-10	18:57:02	7V	608099	7075673	949	22048	Soil
22049	5-Sep-10	18:47:35	7V	608143	7075701	936	22049	Soil
22050	5-Sep-10	18:37:37	7V	608186	7075727	923	22050	Soil
22051	5-Sep-10	18:29:22	7V	608227	7075754	914	22051	Soil
22052	5-Sep-10	18:17:01	7V	608270	7075779	901	22052	Soil
22053	5-Sep-10	18:02:30	7V	608313	7075807	889	22053	Soil
22054	5-Sep-10	17:55:15	7V	608355	7075836	875	22054	Soil
22055	5-Sep-10	17:48:13	7V	608396	7075861	862	22055	Soil
22056	5-Sep-10	17:40:38	7V	608441	7075888	846	22056	Soil
22057	5-Sep-10	17:31:32	7V	608482	7075913	847	22057	Soil
22058	5-Sep-10	17:23:49	7V	608525	7075939	846	22058	Soil
22059	5-Sep-10	17:11:47	7V	608566	7075968	860	22059	Soil
22060	5-Sep-10	17:03:04	7V	608608	7075993	870	22060	Soil
22061	5-Sep-10	16:51:31	7V	608650	7076019	880	22061	Soil
22062	5-Sep-10	16:42:39	7V	608695	7076046	889	22062	Soil
22063	5-Sep-10	16:33:47	7V	608736	7076081	905	22063	Soil
22064	5-Sep-10	16:25:16	7V	608780	7076097	919	22064	Soil
22065	5-Sep-10	16:17:08	7V	608822	7076127	937	22065	Soil
22066	5-Sep-10	16:10:18	7V	608864	7076151	947	22066	Soil
22067	5-Sep-10	15:55:56	7V	608906	7076179	959	22067	Soil
22068	5-Sep-10	15:30:30	7V	608948	7076206	964	22068	Soil
22069	5-Sep-10	15:23:38	7V	608990	7076234	966	22069	Soil
22070	5-Sep-10	15:10:46	7V	609033	7076260	957	22070	Soil
22071	5-Sep-10	15:01:49	7V	609076	7076288	952	22071	Soil
22072	5-Sep-10	14:50:24	7V	609121	7076310	940	22072	Soil
22073	5-Sep-10	14:45:04	7V	609160	7076337	925	22073	Soil
22074	5-Sep-10	14:34:02	7V	609201	7076367	914	22074	Soil
22075	5-Sep-10	14:24:57	7V	609246	7076392	899	22075	Soil
22076	5-Sep-10	14:17:30	7V	609289	7076418	887	22076	Soil
22077	5-Sep-10	14:04:12	7V	609331	7076444	877	22077	Soil
22078	5-Sep-10	14:01:10	7V	609373	7076467	863	22078	Soil

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Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22079	5-Sep-10	13:48:14	7V	609415	7076498	846	22079	Soil
22080	5-Sep-10	13:41:24	7V	609457	7076525	830	22080	Soil
22081	5-Sep-10	13:34:07	7V	609500	7076552	817	22081	Soil
22082	5-Sep-10	13:26:30	7V	609542	7076582	799	22082	Soil
22083	28-Sep-10	13:32:25	7V	609778	7075185	918	22083	Soil
22084	5-Sep-10	13:22:02	7V	609639	7076517	789	22084	Soil
22085	5-Sep-10	13:30:07	7V	609595	7076487	806	22085	Soil
22086	5-Sep-10	13:37:25	7V	609552	7076462	817	22086	Soil
22087	5-Sep-10	13:44:11	7V	609515	7076436	828	22087	Soil
22088	5-Sep-10	13:52:31	7V	609468	7076410	846	22088	Soil
22089	5-Sep-10	13:59:53	7V	609427	7076383	848	22089	Soil
22090	5-Sep-10	14:07:47	7V	609384	7076357	860	22090	Soil
22091	5-Sep-10	14:20:59	7V	609343	7076332	870	22091	Soil
22092	5-Sep-10	14:29:36	7V	609300	7076297	883	22092	Soil
22093	5-Sep-10	14:45:37	7V	609257	7076277	892	22093	Soil
22094	5-Sep-10	14:56:52	7V	609219	7076251	898	22094	Soil
22095	5-Sep-10	15:07:09	7V	609176	7076223	911	22095	Soil
22096	5-Sep-10	15:33:08	7V	609132	7076198	923	22096	Soil
22097	5-Sep-10	15:41:51	7V	609088	7076170	929	22097	Soil
22098	5-Sep-10	15:55:50	7V	609040	7076145	941	22098	Soil
22099	5-Sep-10	16:03:34	7V	608999	7076123	939	22099	Soil
22100	5-Sep-10	16:12:13	7V	608963	7076094	932	22100	Soil
22101	5-Sep-10	16:19:52	7V	608917	7076065	925	22101	Soil
22102	5-Sep-10	16:40:22	7V	608877	7076040	911	22102	Soil
22103	5-Sep-10	16:54:57	7V	608829	7076012	895	22103	Soil
22104	5-Sep-10	17:03:56	7V	608781	7075987	882	22104	Soil
22105	5-Sep-10	17:12:53	7V	608749	7075958	869	22105	Soil
22106	5-Sep-10	17:23:06	7V	608706	7075933	857	22106	Soil
22107	5-Sep-10	17:30:17	7V	608661	7075908	848	22107	Soil
22108	5-Sep-10	17:38:37	7V	608617	7075881	839	22108	Soil
22109	5-Sep-10	17:46:45	7V	608577	7075854	833	22109	Soil
22110	28-Sep-10	13:39:49	7V	609799	7075206	921	22110	Soil
22111	6-Sep-10	11:52:20	7V	608495	7075806	844	22111	Soil
22112	6-Sep-10	11:59:28	7V	608447	7075774	860	22112	Soil
22113	6-Sep-10	12:13:56	7V	608409	7075749	869	22113	Soil
22114	6-Sep-10	12:27:24	7V	608373	7075726	881	22114	Soil
22115	6-Sep-10	12:30:59	7V	608323	7075697	892	22115	Soil
22116	6-Sep-10	12:38:38	7V	608280	7075672	906	22116	Soil
22117	6-Sep-10	12:47:27	7V	608235	7075643	914	22117	Soil
22118	6-Sep-10	12:53:33	7V	608198	7075614	920	22118	Soil
22119	6-Sep-10	13:04:42	7V	608155	7075590	931	22119	Soil
22120	6-Sep-10	13:13:57	7V	608112	7075564	945	22120	Soil
22122	19-Sep-10	13:01:28	7V	609108	7073119	884	22122	Soil
22123	19-Sep-10	13:27:26	7V	609150	7073146	898	22123	Soil
22124	19-Sep-10	13:41:40	7V	609192	7073174	914	22124	Soil
22125	19-Sep-10	13:50:19	7V	609240	7073199	933	22125	Soil
22126	19-Sep-10	12:51:07	7V	609276	7073228	935	22126	Soil
22127	19-Sep-10	13:57:21	7V	609321	7073250	936	22127	Soil
22128	19-Sep-10	14:02:06	7V	609363	7073276	927	22128	Soil
22129	19-Sep-10	14:07:50	7V	609404	7073302	920	22129	Soil
22130	19-Sep-10	14:22:02	7V	609448	7073331	904	22130	Soil
22131	19-Sep-10	14:33:25	7V	609488	7073356	887	22131	Soil
22132	19-Sep-10	14:55:08	7V	609667	7073459	811	22132	Soil
22133	19-Sep-10	15:01:27	7V	609703	7073486	811	22133	Soil
22134	19-Sep-10	15:31:59	7V	609743	7073521	808	22134	Soil
22135	19-Sep-10	15:36:53	7V	609786	7073545	799	22135	Soil
22136	14-Sep-10	16:24:53	7V	609009	7075543	797	22136	Soil
22137	14-Sep-10	16:19:04	7V	609052	7075569	806	22137	Soil
22138	14-Sep-10	16:04:52	7V	609093	7075599	808	22138	Soil
22139	14-Sep-10	15:59:54	7V	609136	7075624	808	22139	Soil
22140	14-Sep-10	15:50:35	7V	609178	7075652	808	22140	Soil
22141	14-Sep-10	15:48:42	7V	609220	7075678	805	22141	Soil
22142	14-Sep-10	15:41:19	7V	609256	7075702	801	22142	Soil
22143	14-Sep-10	15:29:46	7V	609304	7075732	795	22143	Soil
22144	14-Sep-10	15:24:09	7V	609344	7075762	789	22144	Soil
22145	14-Sep-10	15:18:59	7V	609387	7075790	794	22145	Soil
22146	14-Sep-10	15:07:53	7V	609438	7075802	797	22146	Soil
22147	14-Sep-10	15:02:05	7V	609480	7075827	801	22147	Soil
22148	14-Sep-10	14:56:31	7V	609524	7075852	797	22148	Soil
22149	14-Sep-10	14:50:15	7V	609569	7075878	792	22149	Soil
22150	14-Sep-10	14:48:16	7V	609604	7075907	788	22150	Soil
22151	19-Sep-10	15:45:54	7V	609833	7073573	790	22151	Soil

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Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22152	19-Sep-10	15:51:57	7V	609873	7073596	786	22152	Soil
22153	19-Sep-10	15:56:29	7V	609913	7073624	775	22153	Soil
22154	19-Sep-10	16:10:23	7V	610039	7073703	767	22154	Soil
22155	19-Sep-10	16:20:00	7V	610080	7073728	763	22155	Soil
22156	19-Sep-10	16:25:03	7V	610125	7073755	774	22156	Soil
22157	19-Sep-10	16:36:49	7V	610167	7073783	777	22157	Soil
22158	6-Sep-10	14:12:48	7V	607998	7074787	827	22158	Soil
22159	6-Sep-10	14:24:47	7V	608047	7074820	840	22159	Soil
22160	6-Sep-10	14:32:57	7V	608087	7074844	858	22160	Soil
22161	6-Sep-10	14:42:15	7V	608133	7074874	876	22161	Soil
22162	6-Sep-10	14:50:35	7V	608175	7074896	893	22162	Soil
22163	6-Sep-10	14:59:36	7V	608216	7074925	904	22163	Soil
22164	6-Sep-10	15:07:29	7V	608257	7074953	911	22164	Soil
22165	6-Sep-10	15:26:59	7V	608303	7074979	922	22165	Soil
22166	6-Sep-10	15:20:53	7V	608344	7075003	914	22166	Soil
22167	6-Sep-10	15:35:24	7V	608387	7075029	900	22167	Soil
22168	6-Sep-10	15:41:46	7V	608428	7075056	890	22168	Soil
22169	6-Sep-10	15:50:44	7V	608471	7075080	878	22169	Soil
22170	6-Sep-10	15:57:05	7V	608513	7075111	863	22170	Soil
22171	6-Sep-10	16:05:33	7V	608557	7075136	859	22171	Soil
22172	6-Sep-10	16:13:43	7V	608598	7075162	844	22172	Soil
22173	6-Sep-10	16:22:34	7V	608641	7075189	834	22173	Soil
22175	6-Sep-10	16:36:17	7V	608726	7075241	823	22175	Soil
22176	6-Sep-10	16:41:39	7V	608769	7075267	805	22176	Soil
22177	6-Sep-10	16:47:38	7V	608811	7075294	806	22177	Soil
22178	19-Sep-10	16:42:39	7V	610209	7073807	778	22178	Soil
22179	19-Sep-10	16:50:51	7V	610252	7073836	771	22179	Soil
22180	19-Sep-10	16:56:39	7V	610293	7073864	767	22180	Soil
22181	19-Sep-10	17:04:29	7V	610336	7073889	762	22181	Soil
22182	19-Sep-10	17:10:35	7V	610378	7073916	758	22182	Soil
22183	19-Sep-10	17:17:13	7V	610422	7073941	753	22183	Soil
22184	19-Sep-10	17:22:43	7V	610464	7073967	741	22184	Soil
22185	19-Sep-10	17:32:50	7V	610505	7073993	735	22185	Soil
22186	19-Sep-10	17:37:38	7V	610548	7074021	728	22186	Soil
22187	19-Sep-10	17:50:53	7V	610678	7074102	726	22187	Soil
22188	19-Sep-10	17:55:21	7V	610721	7074134	740	22188	Soil
22189	19-Sep-10	18:01:20	7V	610762	7074155	748	22189	Soil
22190	19-Sep-10	18:04:14	7V	610802	7074180	751	22190	Soil
22191	19-Sep-10	18:09:08	7V	610844	7074207	756	22191	Soil
22192	20-Sep-10	11:16:26	7V	610888	7074234	757	22192	Soil
22193	20-Sep-10	11:24:48	7V	610929	7074261	752	22193	Soil
22194	20-Sep-10	11:32:20	7V	610972	7074284	752	22194	Soil
22195	20-Sep-10	11:39:26	7V	611015	7074312	751	22195	Soil
22196	20-Sep-10	11:44:12	7V	611057	7074339	742	22196	Soil
22197	20-Sep-10	11:51:34	7V	611100	7074366	742	22197	Soil
22198	20-Sep-10	12:04:51	7V	611141	7074392	740	22198	Soil
22199	20-Sep-10	12:50:57	7V	611185	7074419	744	22199	Soil
22200	20-Sep-10	13:25:22	7V	611224	7074445	745	22200	Soil
22201	20-Sep-10	13:45:11	7V	611274	7074470	736	22201	Soil
22202	20-Sep-10	13:48:25	7V	611312	7074496	739	22202	Soil
22203	20-Sep-10	13:55:08	7V	611357	7074523	751	22203	Soil
22204	20-Sep-10	14:02:21	7V	611397	7074549	758	22204	Soil
22205	8-Sep-10	13:14:52	7V	608054	7074705	806	22205	Soil
22206	8-Sep-10	13:28:43	7V	608101	7074731	831	22206	Soil
22207	8-Sep-10	13:38:22	7V	608146	7074753	845	22207	Soil
22208	8-Sep-10	13:47:39	7V	608185	7074776	863	22208	Soil
22209	8-Sep-10	13:58:48	7V	608231	7074805	877	22209	Soil
22210	8-Sep-10	14:11:16	7V	608274	7074830	885	22210	Soil
22211	8-Sep-10	14:19:36	7V	608314	7074859	895	22211	Soil
22212	8-Sep-10	14:29:33	7V	608360	7074886	905	22212	Soil
22213	8-Sep-10	14:51:55	7V	608398	7074911	911	22213	Soil
22214	8-Sep-10	15:00:00	7V	608446	7074941	914	22214	Soil
22215	8-Sep-10	15:25:17	7V	608491	7074965	910	22215	Soil
22216	8-Sep-10	15:31:48	7V	608527	7074996	901	22216	Soil
22217	8-Sep-10	15:43:31	7V	608571	7075024	892	22217	Soil
22218	8-Sep-10	15:52:34	7V	608612	7075048	882	22218	Soil
22219	8-Sep-10	15:59:47	7V	608652	7075073	873	22219	Soil
22220	8-Sep-10	16:07:20	7V	608696	7075102	863	22220	Soil
22221	8-Sep-10	16:14:00	7V	608737	7075129	851	22221	Soil
22222	8-Sep-10	16:23:18	7V	608784	7075152	843	22222	Soil
22223	8-Sep-10	16:29:40	7V	608824	7075184	834	22223	Soil
22224	8-Sep-10	16:38:43	7V	608863	7075214	825	22224	Soil

Soil Samples 2010 Portland

Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22225	8-Sep-10	16:45:17	7V	608906	7075235	816	22225	Soil
22226	8-Sep-10	16:56:38	7V	608954	7075252	806	22226	Soil
22227	8-Sep-10	17:08:06	7V	608994	7075281	800	22227	Soil
22228	20-Sep-10	14:07:45	7V	611439	7074577	768	22228	Soil
22229	20-Sep-10	14:12:52	7V	611483	7074604	784	22229	Soil
22230	20-Sep-10	14:21:00	7V	611525	7074629	788	22230	Soil
22231	20-Sep-10	14:26:56	7V	611567	7074657	794	22231	Soil
22232	20-Sep-10	14:35:27	7V	611610	7074682	807	22232	Soil
22233	20-Sep-10	14:52:26	7V	611659	7074708	815	22233	Soil
22234	20-Sep-10	14:55:00	7V	611694	7074737	821	22234	Soil
22235	20-Sep-10	15:02:49	7V	611735	7074764	841	22235	Soil
22236	20-Sep-10	15:11:21	7V	611784	7074791	846	22236	Soil
22237	20-Sep-10	15:17:20	7V	611821	7074816	852	22237	Soil
22238	20-Sep-10	15:27:27	7V	611865	7074843	870	22238	Soil
22239	20-Sep-10	15:35:34	7V	611902	7074869	877	22239	Soil
22240	20-Sep-10	15:44:56	7V	611952	7074899	898	22240	Soil
22241	20-Sep-10	15:52:41	7V	611991	7074923	914	22241	Soil
22242	20-Sep-10	16:09:20	7V	612034	7074948	927	22242	Soil
22243	21-Sep-10	13:35:28	7V	609689	7072660	991	22243	Soil
22244	21-Sep-10	13:43:11	7V	609730	7072686	983	22244	Soil
22245	21-Sep-10	13:49:02	7V	609774	7072711	967	22245	Soil
22246	21-Sep-10	13:54:38	7V	609816	7072739	957	22246	Soil
22247	21-Sep-10	14:27:43	7V	609859	7072764	942	22247	Soil
22248	21-Sep-10	14:35:32	7V	609903	7072793	929	22248	Soil
22249	21-Sep-10	14:42:21	7V	609943	7072817	913	22249	Soil
22250	28-Sep-10	13:50:38	7V	609836	7075238	922	22250	Soil
22251	28-Sep-10	13:56:31	7V	609855	7075254	922	22251	Soil
22252	3-Sep-10	15:12:53	7V	608327	7074283	780	22252	Soil
22253	3-Sep-10	15:17:11	7V	608369	7074314	793	22253	Soil
22254	3-Sep-10	15:27:15	7V	608409	7074332	800	22254	Soil
22255	3-Sep-10	15:36:20	7V	608451	7074362	805	22255	Soil
22256	3-Sep-10	15:43:17	7V	608489	7074393	814	22256	Soil
22257	3-Sep-10	15:54:14	7V	608528	7074416	818	22257	Soil
22258	3-Sep-10	16:00:33	7V	608576	7074441	824	22258	Soil
22259	3-Sep-10	16:04:47	7V	608618	7074470	829	22259	Soil
22260	3-Sep-10	16:17:20	7V	608656	7074493	840	22260	Soil
22261	3-Sep-10	16:26:28	7V	608706	7074524	852	22261	Soil
22262	3-Sep-10	16:29:50	7V	608748	7074547	861	22262	Soil
22263	3-Sep-10	16:40:13	7V	608790	7074574	872	22263	Soil
22264	3-Sep-10	16:50:19	7V	608834	7074603	891	22264	Soil
22265	3-Sep-10	16:59:08	7V	608874	7074627	904	22265	Soil
22266	3-Sep-10	17:10:05	7V	608917	7074653	913	22266	Soil
22267	3-Sep-10	17:26:33	7V	608959	7074680	913	22267	Soil
22268	3-Sep-10	17:29:27	7V	609000	7074709	912	22268	Soil
22269	3-Sep-10	17:37:02	7V	609042	7074731	903	22269	Soil
22270	3-Sep-10	17:42:35	7V	609086	7074758	898	22270	Soil
22271	3-Sep-10	17:52:15	7V	609129	7074784	888	22271	Soil
22272	3-Sep-10	18:05:06	7V	609168	7074810	881	22272	Soil
22273	8-Sep-10	17:20:09	7V	609213	7074839	884	22273	Soil
22274	8-Sep-10	17:13:48	7V	609256	7074866	885	22274	Soil
22275	8-Sep-10	17:07:00	7V	609298	7074891	896	22275	Soil
22276	8-Sep-10	17:01:50	7V	609341	7074917	906	22276	Soil
22277	8-Sep-10	16:55:23	7V	609383	7074943	917	22277	Soil
22278	8-Sep-10	16:49:38	7V	609426	7074971	923	22278	Soil
22279	8-Sep-10	16:43:18	7V	609468	7074998	925	22279	Soil
22280	8-Sep-10	16:36:29	7V	609510	7075024	920	22280	Soil
22281	8-Sep-10	16:29:46	7V	609555	7075049	910	22281	Soil
22282	8-Sep-10	16:23:45	7V	609599	7075078	908	22282	Soil
22283	8-Sep-10	16:16:31	7V	609639	7075104	906	22283	Soil
22284	8-Sep-10	16:06:36	7V	609680	7075131	905	22284	Soil
22285	8-Sep-10	16:00:42	7V	609724	7075157	907	22285	Soil
22286	8-Sep-10	15:56:18	7V	609766	7075181	911	22286	Soil
22287	8-Sep-10	15:46:11	7V	609808	7075208	922	22287	Soil
22288	8-Sep-10	15:39:49	7V	609851	7075233	922	22288	Soil
22289	8-Sep-10	15:20:48	7V	609894	7075261	923	22289	Soil
22290	8-Sep-10	15:09:38	7V	609937	7075288	913	22290	Soil
22291	8-Sep-10	15:04:09	7V	609976	7075317	905	22291	Soil
22292	28-Sep-10	14:02:45	7V	609873	7075273	916	22292	Soil
22293	8-Sep-10	14:40:28	7V	610063	7075368	894	22293	Soil
22294	8-Sep-10	14:30:15	7V	610104	7075395	887	22294	Soil
22295	8-Sep-10	14:24:25	7V	610147	7075421	893	22295	Soil
22296	8-Sep-10	14:18:43	7V	610189	7075449	895	22296	Soil

Soil Samples 2010 Portland

Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22297	8-Sep-10	14:12:57	7V	610232	7075475	906	22297	Soil
22298	8-Sep-10	14:07:15	7V	610274	7075503	912	22298	Soil
22299	8-Sep-10	14:00:25	7V	610316	7075528	923	22299	Soil
22300	8-Sep-10	13:44:09	7V	610357	7075555	931	22300	Soil
22301	8-Sep-10	13:37:59	7V	610400	7075582	936	22301	Soil
22302	8-Sep-10	13:20:16	7V	610444	7075609	924	22302	Soil
22303	9-Sep-10	12:27:39	7V	610485	7075632	911	22303	Soil
22304	9-Sep-10	12:38:46	7V	610527	7075659	896	22304	Soil
22305	9-Sep-10	12:44:56	7V	610567	7075686	881	22305	Soil
22306	9-Sep-10	12:54:59	7V	610612	7075711	867	22306	Soil
22307	9-Sep-10	13:00:41	7V	610654	7075739	848	22307	Soil
22308	9-Sep-10	13:05:22	7V	610697	7075763	826	22308	Soil
22309	9-Sep-10	16:26:55	7V	611418	7076216	902	22309	Soil
22310	9-Sep-10	13:27:48	7V	610783	7075816	813	22310	Soil
22311	9-Sep-10	13:36:43	7V	610825	7075845	827	22311	Soil
22312	9-Sep-10	16:41:03	7V	611459	7076242	894	22312	Soil
22313	9-Sep-10	14:16:08	7V	610906	7075900	835	22313	Soil
22314	9-Sep-10	14:23:02	7V	610950	7075925	846	22314	Soil
22315	9-Sep-10	14:29:12	7V	610992	7075954	855	22315	Soil
22316	9-Sep-10	14:38:03	7V	611034	7075979	867	22316	Soil
22317	9-Sep-10	15:05:16	7V	611077	7076005	881	22317	Soil
22318	9-Sep-10	15:11:57	7V	611118	7076031	892	22318	Soil
22319	9-Sep-10	15:17:36	7V	611162	7076059	903	22319	Soil
22320	9-Sep-10	15:45:28	7V	611204	7076087	916	22320	Soil
22321	9-Sep-10	15:52:18	7V	611248	7076110	924	22321	Soil
22322	9-Sep-10	16:09:42	7V	611290	7076135	923	22322	Soil
22323	9-Sep-10	16:16:00	7V	611333	7076162	914	22323	Soil
22324	9-Sep-10	16:21:27	7V	611376	7076189	910	22324	Soil
22325	9-Sep-10	12:31:30	7V	608370	7074199	764	22325	Soil
22326	9-Sep-10	12:43:08	7V	608414	7074224	768	22326	Soil
22327	9-Sep-10	12:53:28	7V	608456	7074254	774	22327	Soil
22328	9-Sep-10	13:14:31	7V	608502	7074283	776	22328	Soil
22329	9-Sep-10	13:23:46	7V	608547	7074310	784	22329	Soil
22330	9-Sep-10	13:33:20	7V	608584	7074326	784	22330	Soil
22331	9-Sep-10	13:42:21	7V	608627	7074360	803	22331	Soil
22332	9-Sep-10	13:52:30	7V	608667	7074386	817	22332	Soil
22333	9-Sep-10	14:00:41	7V	608713	7074416	838	22333	Soil
22334	9-Sep-10	14:09:55	7V	608753	7074442	845	22334	Soil
22335	9-Sep-10	14:25:18	7V	608795	7074466	856	22335	Soil
22336	9-Sep-10	14:34:32	7V	608841	7074491	870	22336	Soil
22337	9-Sep-10	14:43:52	7V	608881	7074520	879	22337	Soil
22338	9-Sep-10	14:54:42	7V	608928	7074546	901	22338	Soil
22339	9-Sep-10	15:05:45	7V	608967	7074571	907	22339	Soil
22340	9-Sep-10	15:21:12	7V	609015	7074594	903	22340	Soil
22341	9-Sep-10	15:39:38	7V	609052	7074620	903	22341	Soil
22342	9-Sep-10	15:47:32	7V	609097	7074648	917	22342	Soil
22343	9-Sep-10	15:54:26	7V	609143	7074674	910	22343	Soil
22344	9-Sep-10	16:04:15	7V	609181	7074699	900	22344	Soil
22345	9-Sep-10	16:12:36	7V	609231	7074724	870	22345	Soil
22346	9-Sep-10	16:23:59	7V	609264	7074753	878	22346	Soil
22347	9-Sep-10	17:05:28	7V	609303	7074772	877	22347	Soil
22348	9-Sep-10	17:10:23	7V	609350	7074802	875	22348	Soil
22349	9-Sep-10	17:26:41	7V	609394	7074831	894	22349	Soil
22350	9-Sep-10	17:33:59	7V	609433	7074857	892	22350	Soil
22351	9-Sep-10	17:40:29	7V	609478	7074884	896	22351	Soil
22352	9-Sep-10	17:49:05	7V	609521	7074910	915	22352	Soil
22353	9-Sep-10	18:04:14	7V	609561	7074938	919	22353	Soil
22354	9-Sep-10	18:12:47	7V	609606	7074965	907	22354	Soil
22355	10-Sep-10	11:35:06	7V	609649	7074990	915	22355	Soil
22356	10-Sep-10	11:43:37	7V	609690	7075018	910	22356	Soil
22357	10-Sep-10	11:53:02	7V	609740	7075046	915	22357	Soil
22358	10-Sep-10	12:16:30	7V	609774	7075069	911	22358	Soil
22359	10-Sep-10	12:25:27	7V	609816	7075096	919	22359	Soil
22360	10-Sep-10	13:06:42	7V	609859	7075125	927	22360	Soil
22361	10-Sep-10	13:11:24	7V	609906	7075149	940	22361	Soil
22362	10-Sep-10	13:26:47	7V	609946	7075175	935	22362	Soil
22363	10-Sep-10	13:35:05	7V	609988	7075204	921	22363	Soil
22364	10-Sep-10	13:46:05	7V	610030	7075229	916	22364	Soil
22365	10-Sep-10	13:54:07	7V	610073	7075256	904	22365	Soil
22366	10-Sep-10	14:31:13	7V	610115	7075284	906	22366	Soil
22367	10-Sep-10	14:39:35	7V	610157	7075310	903	22367	Soil
22368	10-Sep-10	14:49:08	7V	610198	7075336	899	22368	Soil

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Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22369	10-Sep-10	14:56:49	7V	610241	7075361	907	22369	Soil
22370	10-Sep-10	15:06:52	7V	610283	7075389	912	22370	Soil
22371	10-Sep-10	15:36:33	7V	610331	7075418	917	22371	Soil
22372	10-Sep-10	15:54:03	7V	610368	7075440	925	22372	Soil
22373	10-Sep-10	16:03:01	7V	610411	7075467	933	22373	Soil
22374	10-Sep-10	16:12:35	7V	610453	7075491	935	22374	Soil
22375	10-Sep-10	16:25:35	7V	610495	7075519	936	22375	Soil
22376	10-Sep-10	16:31:53	7V	610538	7075548	922	22376	Soil
22377	10-Sep-10	16:39:39	7V	610581	7075573	916	22377	Soil
22378	10-Sep-10	16:51:58	7V	610623	7075600	903	22378	Soil
22379	10-Sep-10	16:57:43	7V	610660	7075623	908	22379	Soil
22380	21-Sep-10	14:51:33	7V	609988	7072844	900	22380	Soil
22382	21-Sep-10	15:06:30	7V	610071	7072899	871	22382	Soil
22383	21-Sep-10	15:15:22	7V	610113	7072924	857	22383	Soil
22384	21-Sep-10	15:22:12	7V	610156	7072952	848	22384	Soil
22385	21-Sep-10	15:29:24	7V	610197	7072978	836	22385	Soil
22386	21-Sep-10	15:41:55	7V	610243	7073004	830	22386	Soil
22387	12-Sep-10	18:27:33	7V	611007	7075840	873	22387	Soil
22388	12-Sep-10	18:22:03	7V	611049	7075866	884	22388	Soil
22389	12-Sep-10	18:17:34	7V	611094	7075892	890	22389	Soil
22390	12-Sep-10	18:04:53	7V	611132	7075919	902	22390	Soil
22391	9-Sep-10	17:52:46	7V	611177	7075947	913	22391	Soil
22392	9-Sep-10	16:12:57	7V	611220	7075981	915	22392	Soil
22393	9-Sep-10	16:01:46	7V	611260	7075997	920	22393	Soil
22394	9-Sep-10	17:24:49	7V	611301	7076028	911	22394	Soil
22395	9-Sep-10	17:18:44	7V	611340	7076051	908	22395	Soil
22396	9-Sep-10	17:11:53	7V	611386	7076079	901	22396	Soil
22397	9-Sep-10	17:07:09	7V	611428	7076109	896	22397	Soil
22398	9-Sep-10	17:02:09	7V	611472	7076132	885	22398	Soil
22399	9-Sep-10	16:49:33	7V	611514	7076160	883	22399	Soil
22400	10-Sep-10	11:52:16	7V	608429	7074108	757	22400	Soil
22401	10-Sep-10	12:08:08	7V	608472	7074136	764	22401	Soil
22402	10-Sep-10	12:15:58	7V	608512	7074163	767	22402	Soil
22403	10-Sep-10	12:27:36	7V	608554	7074190	769	22403	Soil
22404	10-Sep-10	12:38:16	7V	608598	7074216	783	22404	Soil
22405	10-Sep-10	12:51:05	7V	608646	7074242	789	22405	Soil
22406	10-Sep-10	12:53:48	7V	608681	7074269	793	22406	Soil
22407	10-Sep-10	13:05:19	7V	608727	7074296	809	22407	Soil
22408	10-Sep-10	13:12:25	7V	608772	7074325	818	22408	Soil
22409	10-Sep-10	13:23:36	7V	608811	7074351	827	22409	Soil
22410	10-Sep-10	13:45:07	7V	608851	7074378	841	22410	Soil
22411	10-Sep-10	13:52:09	7V	608894	7074403	860	22411	Soil
22412	10-Sep-10	13:59:05	7V	608936	7074431	879	22412	Soil
22413	10-Sep-10	14:08:08	7V	608978	7074457	892	22413	Soil
22414	10-Sep-10	14:15:00	7V	609022	7074482	900	22414	Soil
22415	10-Sep-10	14:25:36	7V	609065	7074510	901	22415	Soil
22416	10-Sep-10	14:33:02	7V	609106	7074538	893	22416	Soil
22417	10-Sep-10	14:42:30	7V	609148	7074563	887	22417	Soil
22418	10-Sep-10	14:50:04	7V	609192	7074586	878	22418	Soil
22419	10-Sep-10	14:59:59	7V	609235	7074616	868	22419	Soil
22420	10-Sep-10	15:10:03	7V	609277	7074641	865	22420	Soil
22421	10-Sep-10	15:21:01	7V	609320	7074662	858	22421	Soil
22422	10-Sep-10	15:29:49	7V	609362	7074693	867	22422	Soil
22423	10-Sep-10	15:37:50	7V	609403	7074721	873	22423	Soil
22424	10-Sep-10	15:49:04	7V	609449	7074742	875	22424	Soil
22425	10-Sep-10	16:08:36	7V	609491	7074772	884	22425	Soil
22426	10-Sep-10	16:14:36	7V	609532	7074797	890	22426	Soil
22427	10-Sep-10	16:21:26	7V	609576	7074826	895	22427	Soil
22428	10-Sep-10	16:31:59	7V	609619	7074855	899	22428	Soil
22429	10-Sep-10	16:41:28	7V	609658	7074878	900	22429	Soil
22430	10-Sep-10	16:48:28	7V	609702	7074902	906	22430	Soil
22431	10-Sep-10	16:54:59	7V	609742	7074932	912	22431	Soil
22432	10-Sep-10	17:02:47	7V	609784	7074958	915	22432	Soil
22433	10-Sep-10	17:10:00	7V	609830	7074983	923	22433	Soil
22434	11-Sep-10	11:26:03	7V	609872	7075011	922	22434	Soil
22435	11-Sep-10	11:38:53	7V	609919	7075036	929	22435	Soil
22436	11-Sep-10	11:47:33	7V	609959	7075061	939	22436	Soil
22437	11-Sep-10	12:00:37	7V	610001	7075088	943	22437	Soil
22438	11-Sep-10	12:09:12	7V	610042	7075119	929	22438	Soil
22439	11-Sep-10	12:19:03	7V	610084	7075143	929	22439	Soil
22440	11-Sep-10	12:25:21	7V	610125	7075172	921	22440	Soil
22441	11-Sep-10	12:35:33	7V	610168	7075196	909	22441	Soil

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Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22442	11-Sep-10	12:42:10	7V	610211	7075222	904	22442	Soil
22443	11-Sep-10	12:49:46	7V	610252	7075248	899	22443	Soil
22444	11-Sep-10	12:56:21	7V	610296	7075276	897	22444	Soil
22445	11-Sep-10	13:05:10	7V	610336	7075304	902	22445	Soil
22446	11-Sep-10	13:13:08	7V	610381	7075327	907	22446	Soil
22447	11-Sep-10	13:22:53	7V	610423	7075356	912	22447	Soil
22448	11-Sep-10	13:34:36	7V	610463	7075382	905	22448	Soil
22449	11-Sep-10	14:19:47	7V	610504	7075409	919	22449	Soil
22450	11-Sep-10	14:31:00	7V	610552	7075437	930	22450	Soil
22451	11-Sep-10	14:46:37	7V	610591	7075462	926	22451	Soil
22452	11-Sep-10	14:53:23	7V	610633	7075488	931	22452	Soil
22453	11-Sep-10	15:05:10	7V	610676	7075515	924	22453	Soil
22454	11-Sep-10	15:11:55	7V	610720	7075542	922	22454	Soil
22455	11-Sep-10	15:29:13	7V	610762	7075569	919	22455	Soil
22456	11-Sep-10	15:35:02	7V	610804	7075595	913	22456	Soil
22457	11-Sep-10	15:42:51	7V	610846	7075621	905	22457	Soil
22458	11-Sep-10	15:50:17	7V	610890	7075649	907	22458	Soil
22459	17-Sep-10	13:38:12	7V	610932	7075674	908	22459	Soil
22460	17-Sep-10	13:36:43	7V	610973	7075701	906	22460	Soil
22461	17-Sep-10	13:47:36	7V	611015	7075723	912	22461	Soil
22462	17-Sep-10	13:49:34	7V	611058	7075754	912	22462	Soil
22463	17-Sep-10	13:54:13	7V	611098	7075783	915	22463	Soil
22464	17-Sep-10	13:59:07	7V	611143	7075806	920	22464	Soil
22465	17-Sep-10	14:16:55	7V	611183	7075836	928	22465	Soil
22466	17-Sep-10	14:24:16	7V	611227	7075862	929	22466	Soil
22467	17-Sep-10	14:30:40	7V	611270	7075886	922	22467	Soil
22468	17-Sep-10	14:35:57	7V	611313	7075913	908	22468	Soil
22469	17-Sep-10	14:43:17	7V	611353	7075938	901	22469	Soil
22470	17-Sep-10	14:50:29	7V	611396	7075968	889	22470	Soil
22471	17-Sep-10	14:57:44	7V	611439	7075992	886	22471	Soil
22472	17-Sep-10	15:02:34	7V	611481	7076019	882	22472	Soil
22473	17-Sep-10	15:08:14	7V	611524	7076046	869	22473	Soil
22474	17-Sep-10	15:15:11	7V	611565	7076075	858	22474	Soil
22475	12-Sep-10	12:29:07	7V	608694	7073687	829	22475	Soil
22476	12-Sep-10	12:41:04	7V	608735	7073715	834	22476	Soil
22477	12-Sep-10	12:48:37	7V	608779	7073742	842	22477	Soil
22478	12-Sep-10	12:56:04	7V	608819	7073766	846	22478	Soil
22479	12-Sep-10	13:04:51	7V	608862	7073793	870	22479	Soil
22480	12-Sep-10	13:12:09	7V	608905	7073821	873	22480	Soil
22481	12-Sep-10	13:20:17	7V	608950	7073847	885	22481	Soil
22482	12-Sep-10	13:30:02	7V	608989	7073873	904	22482	Soil
22483	12-Sep-10	13:38:48	7V	609033	7073898	912	22483	Soil
22484	12-Sep-10	13:46:18	7V	609075	7073925	917	22484	Soil
22485	12-Sep-10	13:53:51	7V	609116	7073953	923	22485	Soil
22486	12-Sep-10	14:03:00	7V	609161	7073978	915	22486	Soil
22487	12-Sep-10	14:09:43	7V	609201	7074005	906	22487	Soil
22488	12-Sep-10	14:17:37	7V	609244	7074032	889	22488	Soil
22489	12-Sep-10	14:26:17	7V	609289	7074057	876	22489	Soil
22490	12-Sep-10	14:33:36	7V	609329	7074084	854	22490	Soil
22491	12-Sep-10	14:44:23	7V	609370	7074111	839	22491	Soil
22492	12-Sep-10	14:51:44	7V	609416	7074137	825	22492	Soil
22493	12-Sep-10	15:00:46	7V	609458	7074164	815	22493	Soil
22494	12-Sep-10	15:08:04	7V	609499	7074191	806	22494	Soil
22495	12-Sep-10	15:17:53	7V	609543	7074218	805	22495	Soil
22496	12-Sep-10	15:34:58	7V	609586	7074240	792	22496	Soil
22497	12-Sep-10	15:44:46	7V	609628	7074269	785	22497	Soil
22498	12-Sep-10	16:02:04	7V	609671	7074295	785	22498	Soil
22499	12-Sep-10	16:12:34	7V	609712	7074321	782	22499	Soil
22500	12-Sep-10	16:24:42	7V	609767	7074358	779	22500	Soil
22501	12-Sep-10	16:35:39	7V	609795	7074373	774	22501	Soil
22502	12-Sep-10	16:45:28	7V	609839	7074401	789	22502	Soil
22503	12-Sep-10	16:53:27	7V	609880	7074428	795	22503	Soil
22504	12-Sep-10	17:10:41	7V	609924	7074454	802	22504	Soil
22505	12-Sep-10	17:18:30	7V	609965	7074481	812	22505	Soil
22506	12-Sep-10	21:13:04	7V	610008	7074509	886	22506	Soil
22507	17-Sep-10	12:42:58	7V	610053	7074531	817	22507	Soil
22508	17-Sep-10	12:54:39	7V	610096	7074560	835	22508	Soil
22509	17-Sep-10	13:02:15	7V	610137	7074585	836	22509	Soil
22510	17-Sep-10	13:10:11	7V	610181	7074615	831	22510	Soil
22511	17-Sep-10	13:15:34	7V	610222	7074640	840	22511	Soil
22512	17-Sep-10	13:22:30	7V	610267	7074661	842	22512	Soil
22513	17-Sep-10	13:28:23	7V	610310	7074691	842	22513	Soil

Soil Samples 2010 Portland

Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22514	17-Sep-10	13:36:10	7V	610350	7074720	832	22514	Soil
22515	17-Sep-10	13:57:01	7V	610395	7074749	822	22515	Soil
22516	17-Sep-10	14:05:50	7V	610434	7074767	816	22516	Soil
22517	17-Sep-10	14:13:49	7V	610475	7074794	803	22517	Soil
22518	17-Sep-10	14:40:25	7V	610520	7074821	798	22518	Soil
22519	17-Sep-10	14:49:02	7V	610568	7074853	787	22519	Soil
22520	17-Sep-10	14:57:12	7V	610602	7074875	779	22520	Soil
22521	17-Sep-10	15:06:45	7V	610641	7074902	798	22521	Soil
22522	17-Sep-10	22:00:49	7V	610687	7074931	886	22522	Soil
22523	18-Sep-10	11:52:56	7V	610728	7074956	825	22523	Soil
22524	18-Sep-10	11:59:28	7V	610771	7074984	837	22524	Soil
22525	18-Sep-10	12:06:33	7V	610814	7075012	851	22525	Soil
22526	17-Sep-10	18:33:10	7V	610861	7075033	863	22526	Soil
22527	17-Sep-10	18:25:09	7V	610902	7075064	868	22527	Soil
22528	17-Sep-10	18:20:20	7V	610945	7075091	875	22528	Soil
22529	17-Sep-10	18:11:53	7V	610987	7075117	873	22529	Soil
22530	17-Sep-10	18:05:57	7V	611029	7075141	867	22530	Soil
22531	17-Sep-10	17:59:14	7V	611071	7075171	861	22531	Soil
22532	17-Sep-10	17:38:53	7V	611116	7075194	859	22532	Soil
22533	17-Sep-10	17:32:02	7V	611160	7075226	862	22533	Soil
22534	17-Sep-10	17:22:37	7V	611198	7075248	870	22534	Soil
22535	17-Sep-10	17:15:47	7V	611238	7075276	879	22535	Soil
22536	17-Sep-10	17:08:44	7V	611280	7075302	888	22536	Soil
22537	17-Sep-10	17:01:00	7V	611323	7075330	894	22537	Soil
22538	17-Sep-10	16:55:09	7V	611365	7075357	904	22538	Soil
22539	17-Sep-10	16:48:11	7V	611405	7075383	915	22539	Soil
22540	17-Sep-10	16:42:38	7V	611450	7075408	929	22540	Soil
22541	17-Sep-10	16:37:34	7V	611490	7075436	931	22541	Soil
22542	17-Sep-10	16:29:13	7V	611536	7075462	934	22542	Soil
22543	17-Sep-10	16:23:49	7V	611578	7075489	926	22543	Soil
22544	17-Sep-10	16:06:41	7V	611620	7075521	914	22544	Soil
22545	17-Sep-10	16:07:56	7V	611662	7075541	904	22545	Soil
22546	17-Sep-10	16:18:24	7V	611705	7075564	894	22546	Soil
22547	28-Sep-10	14:10:41	7V	609892	7075288	914	22547	Soil
22548	28-Sep-10	14:18:34	7V	609910	7075306	904	22548	Soil
22549	28-Sep-10	14:24:48	7V	609928	7075323	901	22549	Soil
22550	13-Sep-10	12:17:23	7V	608747	7073604	837	22550	Soil
22551	13-Sep-10	12:27:11	7V	608788	7073629	851	22551	Soil
22552	13-Sep-10	12:34:05	7V	608832	7073655	862	22552	Soil
22553	13-Sep-10	12:41:52	7V	608873	7073684	875	22553	Soil
22554	13-Sep-10	12:50:26	7V	608913	7073708	879	22554	Soil
22555	13-Sep-10	12:58:37	7V	608955	7073734	890	22555	Soil
22556	13-Sep-10	13:08:22	7V	608999	7073760	901	22556	Soil
22557	13-Sep-10	13:15:58	7V	609040	7073790	911	22557	Soil
22558	13-Sep-10	13:24:32	7V	609083	7073816	929	22558	Soil
22559	13-Sep-10	13:31:21	7V	609130	7073844	925	22559	Soil
22560	13-Sep-10	13:37:30	7V	609168	7073868	924	22560	Soil
22561	13-Sep-10	13:43:35	7V	609213	7073896	931	22561	Soil
22562	13-Sep-10	13:50:04	7V	609255	7073922	917	22562	Soil
22563	13-Sep-10	13:58:15	7V	609298	7073948	902	22563	Soil
22564	13-Sep-10	14:04:37	7V	609338	7073973	887	22564	Soil
22565	13-Sep-10	14:11:54	7V	609382	7074000	867	22565	Soil
22566	13-Sep-10	14:18:47	7V	609423	7074028	860	22566	Soil
22567	13-Sep-10	14:25:08	7V	609467	7074053	846	22567	Soil
22568	13-Sep-10	14:34:55	7V	609512	7074079	830	22568	Soil
22569	13-Sep-10	14:43:24	7V	609555	7074106	819	22569	Soil
22570	13-Sep-10	14:50:35	7V	609593	7074134	811	22570	Soil
22571	13-Sep-10	14:57:56	7V	609635	7074162	795	22571	Soil
22572	13-Sep-10	15:05:36	7V	609675	7074189	798	22572	Soil
22573	13-Sep-10	15:11:31	7V	609721	7074215	787	22573	Soil
22574	13-Sep-10	15:18:55	7V	609763	7074241	782	22574	Soil
22575	13-Sep-10	15:29:50	7V	609805	7074269	771	22575	Soil
22576	13-Sep-10	15:36:55	7V	609846	7074296	766	22576	Soil
22577	13-Sep-10	15:47:46	7V	609889	7074320	770	22577	Soil
22578	13-Sep-10	15:57:06	7V	609932	7074345	777	22578	Soil
22579	13-Sep-10	16:07:12	7V	609975	7074373	792	22579	Soil
22580	13-Sep-10	16:18:30	7V	610018	7074398	791	22580	Soil
22581	17-Sep-10	16:37:40	7V	610071	7074420	802	22581	Soil
22582	17-Sep-10	16:45:45	7V	610110	7074444	807	22582	Soil
22583	17-Sep-10	16:53:53	7V	610150	7074473	804	22583	Soil
22584	17-Sep-10	17:00:09	7V	610192	7074498	814	22584	Soil
22585	17-Sep-10	17:06:13	7V	610235	7074528	817	22585	Soil

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Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22586	17-Sep-10	17:13:01	7V	610279	7074555	811	22586	Soil
22587	17-Sep-10	17:21:19	7V	610317	7074594	823	22587	Soil
22588	17-Sep-10	17:27:46	7V	610360	7074608	811	22588	Soil
22589	17-Sep-10	17:39:42	7V	610397	7074637	799	22589	Soil
22590	17-Sep-10	17:49:09	7V	610440	7074661	792	22590	Soil
22591	17-Sep-10	22:02:56	7V	610485	7074690	886	22591	Soil
22592	18-Sep-10	12:36:32	7V	610527	7074712	779	22592	Soil
22593	18-Sep-10	12:45:49	7V	610570	7074741	765	22593	Soil
22594	18-Sep-10	12:52:53	7V	610614	7074768	766	22594	Soil
22595	18-Sep-10	13:01:10	7V	610653	7074794	783	22595	Soil
22596	18-Sep-10	13:08:15	7V	610696	7074820	793	22596	Soil
22597	18-Sep-10	13:31:00	7V	610732	7074844	809	22597	Soil
22598	18-Sep-10	13:34:24	7V	610782	7074874	832	22598	Soil
22599	18-Sep-10	13:41:08	7V	610823	7074898	839	22599	Soil
22600	18-Sep-10	13:48:56	7V	610872	7074931	842	22600	Soil
22601	18-Sep-10	13:57:43	7V	610907	7074952	849	22601	Soil
22602	19-Sep-10	16:18:31	7V	610953	7074976	849	22602	Soil
22603	19-Sep-10	16:23:40	7V	610996	7075001	847	22603	Soil
22604	19-Sep-10	16:31:47	7V	611039	7075030	839	22604	Soil
22605	19-Sep-10	16:38:44	7V	611092	7075051	842	22605	Soil
22606	19-Sep-10	16:47:36	7V	611125	7075085	836	22606	Soil
22607	19-Sep-10	16:55:43	7V	611164	7075109	831	22607	Soil
22608	19-Sep-10	17:03:07	7V	611203	7075134	832	22608	Soil
22609	19-Sep-10	17:11:05	7V	611251	7075165	839	22609	Soil
22610	18-Sep-10	16:17:07	7V	611291	7075192	852	22610	Soil
22611	18-Sep-10	16:10:04	7V	611333	7075222	865	22611	Soil
22612	18-Sep-10	16:02:54	7V	611376	7075245	872	22612	Soil
22613	18-Sep-10	15:55:55	7V	611419	7075270	886	22613	Soil
22614	18-Sep-10	15:24:20	7V	611460	7075298	896	22614	Soil
22615	18-Sep-10	15:15:46	7V	611502	7075326	910	22615	Soil
22616	18-Sep-10	15:09:46	7V	611546	7075353	918	22616	Soil
22617	18-Sep-10	15:03:32	7V	611589	7075380	929	22617	Soil
22618	18-Sep-10	14:57:59	7V	611630	7075406	941	22618	Soil
22619	18-Sep-10	13:40:56	7V	611675	7075432	934	22619	Soil
22620	18-Sep-10	13:45:04	7V	611714	7075458	925	22620	Soil
22621	18-Sep-10	13:48:57	7V	611757	7075483	916	22621	Soil
22622	18-Sep-10	13:53:23	7V	611799	7075509	900	22622	Soil
22623	18-Sep-10	13:58:26	7V	611841	7075537	889	22623	Soil
22624	28-Sep-10	14:34:34	7V	609861	7075397	868	22624	Soil
22625	14-Sep-10	11:03:11	7V	608801	7073516	848	22625	Soil
22626	14-Sep-10	11:16:20	7V	608843	7073541	867	22626	Soil
22627	14-Sep-10	11:25:37	7V	608889	7073570	883	22627	Soil
22628	14-Sep-10	11:31:33	7V	608930	7073595	885	22628	Soil
22629	14-Sep-10	11:37:23	7V	608971	7073621	904	22629	Soil
22630	14-Sep-10	11:46:41	7V	609014	7073648	915	22630	Soil
22631	14-Sep-10	11:54:19	7V	609054	7073675	916	22631	Soil
22632	14-Sep-10	12:01:12	7V	609099	7073703	934	22632	Soil
22633	14-Sep-10	12:08:30	7V	609140	7073727	941	22633	Soil
22634	14-Sep-10	12:14:27	7V	609175	7073751	935	22634	Soil
22635	14-Sep-10	12:22:33	7V	609226	7073780	940	22635	Soil
22636	14-Sep-10	12:28:00	7V	609269	7073808	923	22636	Soil
22637	14-Sep-10	12:39:53	7V	609310	7073834	919	22637	Soil
22638	14-Sep-10	12:46:30	7V	609351	7073859	906	22638	Soil
22639	14-Sep-10	12:52:48	7V	609393	7073887	893	22639	Soil
22640	14-Sep-10	12:59:36	7V	609437	7073916	876	22640	Soil
22641	14-Sep-10	13:06:22	7V	609480	7073942	868	22641	Soil
22642	14-Sep-10	13:11:55	7V	609520	7073970	851	22642	Soil
22643	14-Sep-10	13:28:58	7V	609563	7073994	839	22643	Soil
22644	14-Sep-10	13:35:38	7V	609602	7074020	832	22644	Soil
22645	14-Sep-10	13:41:39	7V	609647	7074049	819	22645	Soil
22646	14-Sep-10	13:49:02	7V	609689	7074077	802	22646	Soil
22647	14-Sep-10	13:56:35	7V	609732	7074107	799	22647	Soil
22648	14-Sep-10	14:02:58	7V	609774	7074130	793	22648	Soil
22649	14-Sep-10	14:08:22	7V	609814	7074154	785	22649	Soil
22650	14-Sep-10	14:14:46	7V	609858	7074180	767	22650	Soil
22651	14-Sep-10	14:27:14	7V	609906	7074208	764	22651	Soil
22652	14-Sep-10	14:32:18	7V	609945	7074235	759	22652	Soil
22653	14-Sep-10	14:39:27	7V	609986	7074262	761	22653	Soil
22654	14-Sep-10	15:07:14	7V	610032	7074289	775	22654	Soil
22655	17-Sep-10	22:04:53	7V	610071	7074315	887	22655	Soil
22656	18-Sep-10	14:55:06	7V	610114	7074339	775	22656	Soil
22657	18-Sep-10	15:02:58	7V	610156	7074366	781	22657	Soil

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Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22658	18-Sep-10	15:11:05	7V	610199	7074393	788	22658	Soil
22659	18-Sep-10	15:17:47	7V	610242	7074419	791	22659	Soil
22660	18-Sep-10	15:24:12	7V	610284	7074447	796	22660	Soil
22661	18-Sep-10	15:30:16	7V	610325	7074475	795	22661	Soil
22662	18-Sep-10	15:37:53	7V	610370	7074500	792	22662	Soil
22663	18-Sep-10	15:45:00	7V	610411	7074533	788	22663	Soil
22664	18-Sep-10	15:56:45	7V	610452	7074556	779	22664	Soil
22665	18-Sep-10	16:09:32	7V	610497	7074578	771	22665	Soil
22666	18-Sep-10	16:18:14	7V	610548	7074600	754	22666	Soil
22667	18-Sep-10	16:26:30	7V	610583	7074624	758	22667	Soil
22668	18-Sep-10	16:34:24	7V	610622	7074652	764	22668	Soil
22669	18-Sep-10	16:43:49	7V	610667	7074679	775	22669	Soil
22670	18-Sep-10	16:54:47	7V	610708	7074708	791	22670	Soil
22671	18-Sep-10	17:02:06	7V	610752	7074735	813	22671	Soil
22672	18-Sep-10	17:08:31	7V	610795	7074761	826	22672	Soil
22673	19-Sep-10	15:44:26	7V	610834	7074786	825	22673	Soil
22674	19-Sep-10	15:50:44	7V	610879	7074814	839	22674	Soil
22675	19-Sep-10	15:56:18	7V	610921	7074841	833	22675	Soil
22676	19-Sep-10	16:04:52	7V	610964	7074866	836	22676	Soil
22677	18-Sep-10	18:49:50	7V	611005	7074895	835	22677	Soil
22678	18-Sep-10	18:43:59	7V	611050	7074922	830	22678	Soil
22679	18-Sep-10	18:38:52	7V	611093	7074945	823	22679	Soil
22680	18-Sep-10	18:32:57	7V	611133	7074974	820	22680	Soil
22681	18-Sep-10	18:26:43	7V	611177	7074999	812	22681	Soil
22682	18-Sep-10	18:19:33	7V	611222	7075024	811	22682	Soil
22683	18-Sep-10	18:13:18	7V	611263	7075053	819	22683	Soil
22684	18-Sep-10	18:05:55	7V	611304	7075081	823	22684	Soil
22685	18-Sep-10	17:55:27	7V	611345	7075108	831	22685	Soil
22686	18-Sep-10	17:48:45	7V	611386	7075136	846	22686	Soil
22687	18-Sep-10	17:42:15	7V	611429	7075161	857	22687	Soil
22688	18-Sep-10	17:29:48	7V	611471	7075187	866	22688	Soil
22689	18-Sep-10	17:17:46	7V	611514	7075215	877	22689	Soil
22690	18-Sep-10	17:11:16	7V	611557	7075242	892	22690	Soil
22691	18-Sep-10	17:05:03	7V	611598	7075268	904	22691	Soil
22692	18-Sep-10	16:58:57	7V	611642	7075293	912	22692	Soil
22693	18-Sep-10	16:54:20	7V	611682	7075320	929	22693	Soil
22694	18-Sep-10	16:48:02	7V	611727	7075348	942	22694	Soil
22695	18-Sep-10	14:35:04	7V	611769	7075375	943	22695	Soil
22696	18-Sep-10	14:28:39	7V	611812	7075402	930	22696	Soil
22697	18-Sep-10	14:22:12	7V	611854	7075426	919	22697	Soil
22698	18-Sep-10	14:15:42	7V	611896	7075455	904	22698	Soil
22699	18-Sep-10	14:13:19	7V	611938	7075479	890	22699	Soil
22700	20-Sep-10	12:34:56	7V	609120	7073008	881	22700	Soil
22701	20-Sep-10	12:27:21	7V	609161	7073034	895	22701	Soil
22702	20-Sep-10	12:39:55	7V	609205	7073056	905	22702	Soil
22703	20-Sep-10	12:47:44	7V	609247	7073083	914	22703	Soil
22704	20-Sep-10	12:53:33	7V	609290	7073109	929	22704	Soil
22705	20-Sep-10	13:01:07	7V	609332	7073136	933	22705	Soil
22706	20-Sep-10	13:07:30	7V	609374	7073161	936	22706	Soil
22707	20-Sep-10	13:14:23	7V	609416	7073190	928	22707	Soil
22708	20-Sep-10	13:23:24	7V	609458	7073216	912	22708	Soil
22709	20-Sep-10	13:41:20	7V	609500	7073240	906	22709	Soil
22710	20-Sep-10	14:39:57	7V	610220	7073699	752	22710	Soil
22711	20-Sep-10	15:33:49	7V	610263	7073725	752	22711	Soil
22712	20-Sep-10	15:45:17	7V	610308	7073762	751	22712	Soil
22713	20-Sep-10	15:52:30	7V	610345	7073781	745	22713	Soil
22714	20-Sep-10	15:54:21	7V	610386	7073810	742	22714	Soil
22715	20-Sep-10	16:00:17	7V	610429	7073833	740	22715	Soil
22716	20-Sep-10	16:04:37	7V	610470	7073865	736	22716	Soil
22717	20-Sep-10	16:10:21	7V	610511	7073887	731	22717	Soil
22718	20-Sep-10	16:15:49	7V	610552	7073924	725	22718	Soil
22719	20-Sep-10	16:46:24	7V	610731	7074017	725	22719	Soil
22720	20-Sep-10	16:48:09	7V	610772	7074043	730	22720	Soil
22721	20-Sep-10	16:54:29	7V	610815	7074071	737	22721	Soil
22722	20-Sep-10	17:00:07	7V	610855	7074096	745	22722	Soil
22723	20-Sep-10	17:04:48	7V	610896	7074122	741	22723	Soil
22724	20-Sep-10	17:11:01	7V	610938	7074149	745	22724	Soil
22725	20-Sep-10	17:16:40	7V	610985	7074177	746	22725	Soil
22726	21-Sep-10	16:01:12	7V	610281	7073027	824	22726	Soil
22727	21-Sep-10	16:11:01	7V	610326	7073053	821	22727	Soil
22728	21-Sep-10	16:17:21	7V	610369	7073079	818	22728	Silt
22729	21-Sep-10	16:28:21	7V	610411	7073108	807	22729	Soil

Soil Samples 2010 Portland

Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22730	21-Sep-10	16:35:17	7V	610452	7073133	796	22730	Soil
22731	21-Sep-10	17:10:06	7V	610498	7073162	794	22731	Soil
22732	21-Sep-10	17:16:18	7V	610538	7073186	796	22732	Soil
22733	21-Sep-10	17:22:59	7V	610582	7073213	802	22733	Soil
22734	21-Sep-10	17:31:26	7V	610623	7073238	811	22734	Soil
22735	21-Sep-10	17:39:07	7V	610665	7073267	816	22735	Soil
22736	21-Sep-10	17:43:41	7V	610708	7073291	812	22736	Soil
22737	21-Sep-10	17:48:42	7V	610749	7073320	815	22737	Soil
22738	21-Sep-10	17:55:51	7V	610795	7073346	810	22738	Soil
22739	21-Sep-10	18:07:41	7V	610834	7073374	800	22739	Soil
22740	21-Sep-10	18:13:23	7V	610877	7073399	785	22740	Soil
22741	21-Sep-10	18:19:42	7V	610921	7073428	769	22741	Soil
22742	21-Sep-10	18:26:03	7V	610963	7073453	757	22742	Soil
22743	21-Sep-10	18:43:42	7V	611005	7073481	742	22743	Soil
22744	21-Sep-10	18:48:37	7V	611048	7073507	731	22744	Soil
22745	19-Sep-10	18:05:45	7V	611028	7074202	740	22745	Soil
22746	19-Sep-10	18:00:34	7V	611069	7074232	733	22746	Soil
22747	19-Sep-10	15:10:10	7V	611111	7074255	729	22747	Soil
22748	19-Sep-10	15:02:11	7V	611154	7074284	727	22748	Soil
22749	19-Sep-10	14:56:09	7V	611195	7074311	735	22749	Soil
22750	19-Sep-10	14:26:59	7V	611240	7074338	731	22750	Soil
22751	19-Sep-10	14:19:23	7V	611282	7074362	743	22751	Soil
22752	19-Sep-10	14:12:56	7V	611323	7074386	753	22752	Soil
22753	19-Sep-10	14:04:57	7V	611368	7074417	746	22753	Soil
22754	19-Sep-10	13:57:48	7V	611407	7074443	751	22754	Soil
22755	19-Sep-10	13:50:36	7V	611450	7074466	758	22755	Soil
22756	19-Sep-10	13:40:01	7V	611493	7074495	755	22756	Soil
22757	19-Sep-10	13:34:40	7V	611536	7074524	767	22757	Soil
22758	19-Sep-10	13:28:22	7V	611577	7074548	769	22758	Soil
22759	19-Sep-10	13:21:40	7V	611620	7074576	784	22759	Soil
22760	19-Sep-10	12:48:22	7V	611661	7074600	786	22760	Soil
22761	19-Sep-10	12:39:13	7V	611704	7074628	798	22761	Soil
22762	19-Sep-10	12:29:48	7V	611745	7074653	798	22762	Soil
22763	19-Sep-10	12:23:20	7V	611788	7074678	811	22763	Soil
22764	19-Sep-10	12:16:12	7V	611832	7074708	816	22764	Soil
22765	19-Sep-10	12:08:43	7V	611873	7074735	835	22765	Soil
22766	19-Sep-10	11:57:09	7V	611917	7074757	849	22766	Soil
22767	21-Sep-10	13:20:54	7V	611970	7074674	843	22767	Soil
22768	21-Sep-10	13:33:53	7V	611921	7074653	833	22768	Soil
22769	21-Sep-10	13:38:50	7V	611880	7074624	811	22769	Soil
22770	21-Sep-10	13:44:08	7V	611841	7074598	798	22770	Soil
22771	21-Sep-10	13:51:01	7V	611799	7074569	783	22771	Soil
22772	21-Sep-10	13:55:41	7V	611758	7074542	782	22772	Soil
22773	21-Sep-10	14:04:07	7V	611716	7074514	777	22773	Soil
22774	21-Sep-10	14:15:32	7V	611676	7074488	764	22774	Soil
22775	21-Sep-10	14:21:59	7V	611634	7074461	770	22775	Soil
22776	21-Sep-10	14:27:54	7V	611589	7074433	761	22776	Soil
22777	21-Sep-10	14:33:40	7V	611549	7074408	766	22777	Soil
22778	21-Sep-10	14:40:14	7V	611503	7074381	761	22778	Soil
22779	21-Sep-10	14:45:41	7V	611462	7074355	754	22779	Soil
22780	21-Sep-10	14:51:09	7V	611419	7074328	747	22780	Soil
22781	21-Sep-10	14:58:29	7V	611376	7074302	752	22781	Soil
22782	21-Sep-10	15:04:48	7V	611335	7074275	744	22782	Soil
22783	21-Sep-10	15:10:26	7V	611292	7074250	737	22783	Soil
22784	21-Sep-10	15:16:21	7V	611248	7074220	727	22784	Soil
22785	21-Sep-10	15:21:51	7V	611208	7074197	728	22785	Soil
22786	21-Sep-10	16:07:27	7V	611167	7074171	718	22786	Soil
22787	21-Sep-10	16:17:43	7V	611123	7074144	714	22787	Soil
22788	21-Sep-10	16:24:49	7V	611079	7074116	714	22788	Soil
22789	21-Sep-10	16:31:43	7V	611038	7074090	727	22789	Soil
22790	21-Sep-10	16:37:18	7V	610989	7074059	724	22790	Soil
22791	21-Sep-10	16:42:31	7V	610951	7074036	726	22791	Soil
22792	21-Sep-10	16:49:07	7V	610909	7074010	715	22792	Soil
22793	21-Sep-10	16:55:43	7V	610867	7073988	716	22793	Soil
22794	21-Sep-10	17:01:34	7V	610826	7073962	713	22794	Soil
22795	21-Sep-10	17:16:05	7V	610779	7073941	714	22795	Soil
22796	21-Sep-10	17:23:13	7V	610728	7073909	711	22796	Soil
22797	26-Sep-10	12:49:06	7V	609169	7072921	954	22797	Soil
22798	26-Sep-10	13:00:24	7V	609211	7072949	892	22798	Soil
22799	26-Sep-10	13:07:49	7V	609252	7072981	906	22799	Soil
22800	26-Sep-10	13:15:38	7V	609297	7073006	909	22800	Soil
22801	26-Sep-10	13:24:56	7V	609336	7073034	907	22801	Soil

Soil Samples 2010 Portland

Sample	Date	Time	NAD 83	UTM mE	UTM mN	Elev m	Lab	Type
22802	26-Sep-10	13:33:23	7V	609381	7073058	947	22802	Soil
22803	26-Sep-10	13:43:34	7V	609421	7073085	953	22803	Soil
22804	26-Sep-10	13:59:08	7V	609469	7073113	905	22804	Soil
22805	26-Sep-10	14:09:46	7V	609510	7073136	894	22805	Soil
22806	26-Sep-10	14:22:59	7V	609552	7073162	926	22806	Soil
22807	26-Sep-10	14:32:52	7V	609598	7073191	934	22807	Soil
22808	28-Sep-10	13:33:30	7V	609915	7075039	942	22808	Soil
22809	28-Sep-10	13:41:17	7V	609931	7075059	987	22809	Soil
22810	28-Sep-10	13:46:53	7V	609951	7075075	935	22810	Soil
22811	28-Sep-10	13:53:04	7V	609970	7075091	950	22811	Soil
22812	28-Sep-10	13:59:59	7V	609990	7075109	939	22812	Soil
22813	28-Sep-10	14:12:32	7V	610007	7075124	944	22813	Soil
22814	28-Sep-10	14:19:35	7V	610025	7075139	936	22814	Soil
22815	28-Sep-10	14:27:56	7V	610046	7075158	933	22815	Soil
22816	28-Sep-10	14:34:49	7V	610064	7075174	927	22816	Soil
22817	28-Sep-10	14:45:31	7V	609996	7075250	909	22817	Soil
22818	28-Sep-10	14:53:40	7V	609976	7075232	917	22818	Soil
22819	28-Sep-10	14:58:51	7V	609956	7075213	921	22819	Soil
22820	28-Sep-10	15:07:41	7V	609939	7075199	931	22820	Soil
22821	28-Sep-10	15:13:44	7V	609921	7075182	925	22821	Soil
22822	28-Sep-10	15:20:22	7V	609901	7075164	922	22822	Soil
22823	28-Sep-10	15:27:52	7V	609884	7075146	924	22823	Soil
22824	28-Sep-10	15:35:24	7V	609865	7075130	932	22824	Soil
22825	28-Sep-10	15:42:17	7V	609847	7075114	919	22825	Soil
22826	28-Sep-10	14:41:12	7V	609841	7075382	874	22826	Soil
22827	28-Sep-10	14:48:00	7V	609824	7075365	878	22827	Soil
22828	28-Sep-10	14:53:38	7V	609807	7075345	878	22828	Soil
22829	28-Sep-10	15:00:27	7V	609786	7075330	878	22829	Soil
22830	28-Sep-10	15:10:34	7V	609769	7075313	877	22830	Soil
22831	26-Sep-10	12:24:25	7V	612403	7074354	931	22831	Soil
22832	26-Sep-10	12:35:06	7V	612363	7074329	932	22832	Soil
22833	26-Sep-10	12:42:50	7V	612322	7074302	931	22833	Soil
22834	26-Sep-10	12:51:08	7V	612280	7074273	927	22834	Soil
22835	26-Sep-10	12:58:53	7V	612235	7074249	925	22835	Soil
22836	26-Sep-10	13:08:17	7V	612193	7074222	912	22836	Soil
22837	26-Sep-10	13:14:08	7V	612152	7074198	906	22837	Soil
22838	26-Sep-10	13:20:05	7V	612108	7074169	903	22838	Soil
22839	26-Sep-10	13:27:16	7V	612064	7074143	898	22839	Soil
22840	26-Sep-10	13:34:42	7V	612023	7074115	887	22840	Soil
22841	26-Sep-10	13:41:03	7V	611980	7074090	882	22841	Soil
22842	26-Sep-10	13:50:02	7V	611941	7074061	871	22842	Soil
22843	26-Sep-10	13:56:49	7V	611898	7074036	855	22843	Soil
22844	26-Sep-10	14:02:39	7V	611858	7074009	847	22844	Soil
22845	26-Sep-10	14:14:54	7V	611813	7073981	829	22845	Soil
22846	26-Sep-10	14:18:43	7V	611770	7073955	817	22846	Soil
22847	26-Sep-10	14:25:32	7V	611730	7073929	805	22847	Soil
22848	26-Sep-10	14:33:28	7V	611687	7073902	792	22848	Soil
22849	26-Sep-10	14:54:44	7V	611644	7073877	776	22849	Soil
22850	26-Sep-10	15:04:23	7V	611603	7073848	768	22850	Soil
22851	26-Sep-10	15:06:50	7V	611558	7073825	756	22851	Soil
22852	26-Sep-10	15:21:41	7V	611515	7073799	745	22852	Soil
22853	26-Sep-10	16:25:42	7V	611474	7073770	742	22853	Soil
22854	26-Sep-10	15:37:13	7V	611429	7073748	725	22854	Soil
22855	26-Sep-10	15:44:58	7V	611389	7073719	720	22855	Soil
22856	26-Sep-10	15:53:42	7V	611346	7073692	709	22856	Soil
22857	26-Sep-10	16:01:21	7V	611301	7073667	702	22857	Soil
22858	26-Sep-10	16:09:45	7V	611261	7073640	699	22858	Soil
22859	28-Sep-10	15:18:03	7V	609749	7075296	880	22859	Soil
22860	28-Sep-10	15:25:03	7V	609732	7075279	876	22860	Soil
22861	28-Sep-10	15:30:14	7V	609713	7075262	875	22861	Soil

Appendix C - 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: September 30, 2010

Report Date: October 26, 2010

Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI10000547.1

CLIENT JOB INFORMATION

Project: Portland
Shipment ID:
P.O. Number
Number of Samples: 145

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:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	145	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	145	Dry at 60C			WHI
1DX2	145	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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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

www.acmelab.com

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or QC J9P 1S5 Canada

Project:

Portland

Report Date:

October 26, 2010

Page:

2 of 6

Part 1

CERTIFICATE OF ANALYSIS

WHI10000547.1

	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
22192	Soil	0.2	6.5	11.0	19	<0.1	4.7	1.8	87	0.52	1.5	1.0	1.1	10.1	8	<0.1	0.3	<0.1	6	0.04	0.008
22193	Soil	0.2	5.7	13.5	20	<0.1	4.3	1.7	73	0.53	2.0	0.7	<0.5	6.1	8	<0.1	0.4	0.2	7	0.06	0.008
22194	Soil	0.1	5.2	11.1	11	<0.1	3.4	1.6	78	0.42	2.2	0.6	2.1	5.6	7	<0.1	0.3	<0.1	5	0.05	0.007
22195	Soil	0.4	13.9	16.7	33	<0.1	9.8	4.1	137	1.50	4.8	1.2	5.0	14.1	11	<0.1	0.5	0.2	18	0.07	0.011
22196	Soil	0.7	13.5	11.9	31	<0.1	9.1	3.4	130	1.35	3.9	1.1	1.6	11.3	11	<0.1	0.4	0.2	19	0.10	0.018
22197	Soil	0.6	23.4	53.0	85	<0.1	28.1	8.1	256	1.79	3.9	1.7	2.1	11.4	17	0.2	0.4	0.2	25	0.25	0.064
22198	Soil	0.6	21.4	10.8	42	<0.1	16.9	7.2	214	1.97	6.5	1.2	5.0	5.8	20	<0.1	0.5	0.2	36	0.23	0.043
22199	Soil	0.8	19.4	17.8	47	<0.1	21.7	7.1	183	1.99	6.1	1.3	1.0	4.6	23	0.1	0.5	0.2	34	0.29	0.059
22200	Soil	0.6	23.1	18.3	48	0.2	18.7	7.4	642	1.60	4.1	2.5	5.9	3.8	36	0.3	0.5	0.2	26	0.41	0.059
22201	Soil	0.7	14.5	15.1	61	0.2	15.7	9.6	389	1.99	6.9	5.2	2.8	4.7	71	0.3	0.3	0.1	27	0.61	0.063
22202	Soil	0.6	20.4	16.8	46	0.2	15.5	5.8	155	1.88	5.7	7.0	2.8	5.0	91	0.2	0.5	0.2	35	0.63	0.057
22203	Soil	0.7	13.2	31.3	41	0.1	6.8	5.7	548	1.14	2.7	2.2	1.0	12.7	44	0.2	0.3	0.2	12	0.22	0.027
22204	Soil	0.8	23.5	16.3	38	<0.1	15.7	6.8	149	1.67	7.3	1.9	3.0	12.2	15	<0.1	0.6	0.2	30	0.09	0.012
22548	Soil	1.0	5.9	22.0	35	<0.1	4.4	2.7	157	1.04	4.6	1.5	6.1	11.3	8	<0.1	0.5	0.2	8	0.05	0.018
22549	Soil	0.8	7.5	14.5	30	<0.1	4.4	1.8	98	1.19	3.5	1.3	6.7	4.2	5	<0.1	0.4	0.2	17	0.05	0.017
22250	Soil	0.9	7.5	14.3	43	<0.1	5.5	3.7	186	1.82	12.8	1.2	45.5	7.7	7	0.1	0.5	0.2	20	0.05	0.027
22805	Soil	0.3	58.5	4.0	59	<0.1	16.8	16.2	438	3.50	4.7	0.5	1.3	1.4	8	<0.1	0.2	<0.1	60	0.17	0.032
22806	Soil	0.5	114.6	5.9	63	0.2	16.1	21.6	772	3.79	1.1	0.4	2.3	1.8	9	0.2	0.1	0.1	58	0.24	0.075
22807	Soil	0.6	69.7	5.2	69	0.4	15.3	17.0	1003	2.59	2.3	1.0	1.6	0.8	45	0.7	0.3	<0.1	48	1.84	0.065
22808	Soil	2.3	12.3	7.4	29	<0.1	10.6	6.1	140	1.62	4.3	4.7	1.4	32.1	5	<0.1	0.4	0.2	17	0.04	0.013
22809	Soil	0.6	3.0	4.5	27	<0.1	1.3	1.0	55	0.48	1.2	1.0	<0.5	20.9	4	<0.1	0.1	0.2	2	<0.01	0.009
22810	Soil	4.1	14.6	8.9	4	<0.1	0.7	0.3	8	1.05	0.7	0.3	<0.5	22.3	2	<0.1	0.1	0.8	<2	<0.01	0.005
22811	Soil	0.4	3.0	7.2	8	<0.1	3.4	1.4	43	0.40	1.8	1.0	<0.5	16.9	6	<0.1	0.3	0.2	4	<0.01	0.007
22812	Soil	1.0	4.7	22.7	5	<0.1	1.8	1.9	50	0.44	2.1	1.2	<0.5	10.0	4	0.1	0.2	0.2	<2	0.02	0.009
22813	Soil	0.5	5.3	10.5	21	<0.1	5.1	3.4	100	0.92	3.8	0.9	1.3	7.2	5	<0.1	0.4	0.2	10	0.03	0.011
22814	Soil	0.7	6.2	12.6	34	<0.1	3.5	2.7	213	1.27	1.6	1.5	4.5	10.7	10	<0.1	0.3	0.1	5	0.06	0.027
22815	Soil	0.5	2.3	10.8	12	<0.1	1.1	1.9	165	0.51	1.9	0.6	<0.5	2.0	1	<0.1	0.3	0.2	7	<0.01	0.019
22816	Soil	0.7	13.9	9.3	25	<0.1	9.8	3.9	87	1.15	2.9	1.0	4.2	7.7	3	0.1	0.6	<0.1	10	0.03	0.008
22817	Soil	0.4	9.3	9.8	18	<0.1	6.0	3.4	86	0.87	2.3	0.9	3.5	8.1	5	<0.1	0.5	0.1	10	0.04	0.010
22818	Soil	0.9	3.1	10.5	23	<0.1	3.0	1.9	104	0.90	2.8	0.8	2.3	5.7	4	<0.1	0.4	0.2	10	0.03	0.013



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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
22192	Soil	30	6	0.15	90	0.014	<1	0.35	0.002	0.07	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
22193	Soil	8	5	0.13	85	0.023	<1	0.36	0.002	0.06	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
22194	Soil	10	3	0.08	104	0.018	<1	0.24	0.005	0.05	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
22195	Soil	36	12	0.34	355	0.039	<1	0.81	0.004	0.17	<0.1	0.01	2.4	0.1	<0.05	3	<0.5	<0.2
22196	Soil	31	12	0.34	306	0.025	<1	0.72	0.004	0.05	0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
22197	Soil	30	22	0.79	494	0.059	<1	1.04	0.005	0.08	0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
22198	Soil	16	23	0.39	460	0.044	<1	1.08	0.038	0.05	0.2	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
22199	Soil	21	26	0.56	448	0.038	<1	1.21	0.008	0.06	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
22200	Soil	26	18	0.38	1082	0.024	<1	0.94	0.008	0.04	0.2	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
22201	Soil	18	20	0.45	510	0.029	<1	0.93	0.010	0.06	0.2	0.03	2.1	<0.1	0.07	3	0.8	<0.2
22202	Soil	23	19	0.42	532	0.033	1	1.00	0.010	0.06	0.1	0.04	2.4	<0.1	0.11	3	1.6	<0.2
22203	Soil	38	8	0.31	325	0.031	<1	0.60	0.003	0.13	<0.1	0.01	1.3	0.1	<0.05	2	<0.5	<0.2
22204	Soil	23	19	0.30	341	0.034	<1	0.96	0.005	0.05	0.1	0.04	3.7	<0.1	<0.05	3	<0.5	<0.2
22548	Soil	18	6	0.11	43	0.011	<1	0.42	0.002	0.08	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
22549	Soil	35	7	0.11	166	0.017	<1	0.47	0.003	0.08	0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
22250	Soil	10	10	0.23	62	0.031	<1	0.80	0.002	0.16	0.1	<0.01	1.9	0.1	<0.05	4	<0.5	<0.2
22805	Soil	4	20	1.27	128	0.036	<1	2.02	0.004	0.02	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
22806	Soil	6	13	1.40	88	0.037	<1	1.81	0.004	0.03	<0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
22807	Soil	6	16	0.84	211	0.015	2	1.55	0.009	0.02	<0.1	0.05	2.9	<0.1	0.07	4	1.0	<0.2
22808	Soil	98	12	0.32	370	0.025	<1	1.04	0.002	0.08	<0.1	0.02	1.9	0.1	<0.05	2	<0.5	<0.2
22809	Soil	39	2	0.03	113	0.002	<1	0.35	0.003	0.05	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
22810	Soil	16	2	0.03	79	<0.001	<1	0.32	0.003	0.04	<0.1	<0.01	0.7	<0.1	<0.05	<1	0.6	<0.2
22811	Soil	28	4	0.03	258	0.001	1	0.45	0.005	0.05	<0.1	<0.01	1.3	<0.1	<0.05	<1	<0.5	<0.2
22812	Soil	12	3	0.02	293	0.002	<1	0.43	0.003	0.06	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
22813	Soil	12	8	0.12	113	0.010	<1	0.57	0.005	0.06	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
22814	Soil	14	5	0.17	143	0.023	<1	0.50	0.002	0.19	<0.1	<0.01	1.8	0.2	<0.05	2	<0.5	<0.2
22815	Soil	2	3	0.02	32	0.005	<1	0.28	0.003	0.05	0.1	<0.01	0.5	<0.1	<0.05	1	<0.5	<0.2
22816	Soil	8	13	0.16	65	0.027	<1	0.52	0.002	0.04	0.1	<0.01	2.4	<0.1	<0.05	2	<0.5	<0.2
22817	Soil	22	8	0.13	164	0.010	<1	0.43	0.004	0.04	<0.1	<0.01	1.4	<0.1	<0.05	1	<0.5	<0.2
22818	Soil	6	5	0.11	48	0.016	<1	0.46	0.002	0.06	<0.1	<0.01	1.1	<0.1	<0.05	2	<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
22819	Soil	0.6	8.5	13.2	38	<0.1	8.3	4.2	188	1.55	4.5	1.2	2.5	9.5	7	0.1	0.3	0.1	21	0.04	0.015
22820	Soil	1.0	11.3	22.1	40	<0.1	10.5	6.0	212	1.81	6.0	1.1	8.4	11.3	7	0.1	0.6	0.2	29	0.05	0.030
22821	Soil	0.6	10.8	13.9	44	<0.1	8.8	6.0	316	1.83	3.5	1.4	4.1	9.6	10	<0.1	0.5	0.1	17	0.08	0.031
22822	Soil	0.7	15.0	19.5	35	<0.1	12.1	7.0	218	1.72	6.0	1.2	7.9	14.2	12	<0.1	1.1	0.2	24	0.06	0.024
22823	Soil	0.7	14.7	14.1	29	<0.1	12.0	6.7	166	1.62	6.1	0.9	1.4	10.4	5	<0.1	0.5	0.2	22	0.05	0.020
22824	Soil	1.3	13.6	15.1	38	<0.1	12.5	5.8	152	2.08	8.6	1.3	0.7	9.9	8	<0.1	0.7	0.3	37	0.05	0.015
22825	Soil	4.1	8.1	16.2	35	<0.1	1.3	3.4	141	1.23	1.4	2.9	<0.5	24.4	7	<0.1	0.2	0.7	<2	0.03	0.009
22845	Soil	0.8	18.0	19.6	53	<0.1	8.9	4.1	181	1.63	4.6	1.1	1.6	9.2	10	<0.1	0.4	0.2	20	0.09	0.019
22846	Soil	0.6	13.3	18.1	36	<0.1	11.8	5.9	131	1.58	3.8	0.7	2.1	7.8	12	<0.1	0.3	0.2	25	0.14	0.028
22847	Soil	0.7	21.6	14.4	43	<0.1	13.4	6.4	192	1.86	6.3	1.1	1.4	6.9	14	<0.1	0.5	0.2	34	0.14	0.025
22848	Soil	1.0	8.8	17.8	35	<0.1	7.5	5.6	178	1.51	4.0	0.8	2.2	8.8	11	0.2	0.4	0.2	20	0.13	0.045
22849	Soil	0.3	8.5	13.3	32	<0.1	6.1	2.9	101	0.95	2.2	1.4	0.6	10.6	11	0.2	0.2	0.1	8	0.18	0.052
22850	Soil	0.5	14.4	15.6	42	<0.1	10.2	4.2	148	1.46	3.3	1.5	3.5	8.8	15	<0.1	0.3	0.2	22	0.18	0.038
22851	Soil	0.3	4.2	5.5	15	<0.1	4.3	2.3	99	0.62	1.0	1.4	<0.5	13.8	8	<0.1	0.2	0.2	3	0.07	0.024
22852	Soil	0.3	5.7	14.5	17	<0.1	4.8	2.6	61	0.80	1.6	0.7	<0.5	12.1	7	<0.1	0.2	0.1	9	0.06	0.023
22853	Soil	0.6	12.4	14.6	32	<0.1	12.4	6.0	164	1.69	5.7	1.0	1.1	6.9	11	<0.1	0.5	0.1	33	0.11	0.016
22854	Soil	0.6	8.2	12.1	29	<0.1	10.3	3.9	81	1.51	6.4	0.4	0.8	5.1	11	<0.1	0.4	0.1	28	0.09	0.014
22855	Soil	0.9	20.6	19.9	41	<0.1	15.1	5.4	152	1.93	6.5	0.7	1.4	6.5	13	<0.1	0.5	0.2	35	0.10	0.014
22856	Soil	0.7	40.7	65.5	289	0.1	30.6	8.6	281	2.36	6.3	1.0	3.3	7.8	16	0.4	0.6	0.3	40	0.19	0.046
22857	Soil	0.7	25.2	59.2	133	<0.1	22.3	12.0	409	2.49	4.0	0.8	2.8	8.9	21	0.2	0.4	0.1	50	0.35	0.103
22858	Soil	1.1	25.3	19.6	94	0.2	19.0	8.0	239	1.83	4.4	7.4	3.2	4.6	42	0.5	0.4	0.2	32	0.42	0.057
22859	Soil	0.9	8.8	15.7	38	<0.1	7.2	3.2	159	1.49	8.9	1.0	10.5	6.2	7	<0.1	0.7	0.2	20	0.05	0.020
22860	Soil	0.7	12.6	13.1	40	<0.1	10.7	4.5	150	1.61	6.4	1.0	2.9	5.9	13	<0.1	0.4	0.2	22	0.13	0.034
22861	Soil	0.6	5.3	11.7	39	<0.1	5.2	3.9	211	1.37	2.2	1.1	1.1	9.1	21	<0.1	0.3	0.1	8	0.16	0.042
22228	Soil	0.2	3.5	8.3	13	<0.1	2.5	1.7	58	0.53	1.4	0.7	<0.5	6.8	5	<0.1	0.3	0.1	<2	0.03	0.010
22229	Soil	0.6	6.4	10.0	20	<0.1	6.5	3.4	80	1.17	4.8	0.7	<0.5	11.9	8	<0.1	0.3	0.1	14	0.03	0.020
22230	Soil	0.9	12.1	37.8	24	0.5	4.7	2.9	72	1.97	4.1	2.7	3.4	15.5	33	<0.1	0.8	<0.1	6	0.03	0.040
22231	Soil	1.4	11.2	40.5	16	1.1	3.5	2.3	57	1.89	3.1	3.0	3.0	18.3	28	<0.1	0.9	<0.1	9	0.02	0.040
22232	Soil	0.4	15.0	23.5	34	<0.1	7.8	3.2	90	1.08	3.2	1.3	1.5	12.9	9	<0.1	0.4	0.2	14	0.05	0.009
22233	Soil	0.6	14.8	21.9	30	<0.1	7.9	3.5	109	1.19	4.0	1.3	1.3	11.4	14	<0.1	0.4	0.2	19	0.10	0.013



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22819	Soil	10	13	0.20	144	0.033	<1	0.92	0.003	0.12	0.1	0.01	1.9	0.2	<0.05	3	<0.5	<0.2
22820	Soil	13	16	0.19	267	0.014	<1	1.36	0.005	0.08	0.2	0.01	2.4	0.1	<0.05	4	<0.5	<0.2
22821	Soil	21	13	0.27	305	0.034	<1	0.88	0.004	0.15	0.1	<0.01	3.8	0.1	<0.05	3	<0.5	<0.2
22822	Soil	24	17	0.25	245	0.018	<1	1.13	0.004	0.06	0.1	0.02	1.8	<0.1	<0.05	2	<0.5	<0.2
22823	Soil	13	15	0.20	240	0.017	<1	1.01	0.003	0.07	0.2	0.01	2.1	<0.1	<0.05	2	0.6	<0.2
22824	Soil	18	22	0.27	274	0.036	<1	1.43	0.006	0.07	0.2	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
22825	Soil	69	2	0.07	495	0.002	<1	0.48	0.003	0.10	<0.1	<0.01	1.0	<0.1	<0.05	1	0.8	<0.2
22845	Soil	26	17	0.45	521	0.023	<1	1.13	0.003	0.05	<0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
22846	Soil	20	23	0.49	273	0.066	<1	1.01	0.003	0.08	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
22847	Soil	20	23	0.44	433	0.048	<1	1.16	0.007	0.05	<0.1	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2
22848	Soil	22	13	0.28	268	0.026	<1	0.83	0.003	0.08	0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
22849	Soil	33	9	0.27	391	0.025	<1	0.62	0.003	0.10	<0.1	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
22850	Soil	27	16	0.42	572	0.039	<1	0.90	0.005	0.07	0.2	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
22851	Soil	34	7	0.17	387	0.020	<1	0.47	0.002	0.11	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
22852	Soil	8	12	0.35	205	0.015	<1	0.60	0.002	0.05	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
22853	Soil	16	20	0.37	468	0.033	<1	1.02	0.006	0.05	0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
22854	Soil	12	15	0.27	352	0.032	<1	0.97	0.004	0.06	0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
22855	Soil	20	23	0.38	571	0.047	<1	1.26	0.006	0.06	0.1	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
22856	Soil	24	29	0.75	668	0.047	<1	1.41	0.006	0.08	0.1	0.06	3.5	<0.1	<0.05	4	<0.5	<0.2
22857	Soil	42	23	1.18	632	0.082	<1	1.58	0.004	0.12	0.1	<0.01	2.5	0.1	<0.05	4	<0.5	<0.2
22858	Soil	19	26	0.48	876	0.040	<1	1.29	0.011	0.06	0.1	0.04	3.1	<0.1	0.05	4	1.0	<0.2
22859	Soil	9	10	0.16	72	0.028	<1	0.64	0.003	0.08	0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
22860	Soil	21	15	0.28	140	0.040	<1	0.91	0.006	0.08	0.2	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
22861	Soil	21	8	0.30	161	0.047	<1	0.66	0.003	0.21	<0.1	<0.01	1.3	0.2	<0.05	3	<0.5	<0.2
22228	Soil	5	4	0.11	102	0.014	<1	0.32	0.001	0.05	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
22229	Soil	33	11	0.11	136	0.013	<1	0.71	0.003	0.06	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
22230	Soil	45	2	0.19	443	0.082	<1	0.63	0.022	0.15	<0.1	<0.01	1.2	0.1	0.30	2	<0.5	<0.2
22231	Soil	45	5	0.10	437	0.073	<1	0.35	0.029	0.16	<0.1	0.02	1.2	<0.1	0.35	1	0.5	<0.2
22232	Soil	41	10	0.22	448	0.019	1	0.61	0.005	0.07	<0.1	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
22233	Soil	36	12	0.29	380	0.025	1	0.67	0.007	0.07	0.1	<0.01	1.8	<0.1	<0.05	2	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
22234	Soil	0.4	7.7	15.0	25	<0.1	5.5	3.0	71	1.16	2.7	1.0	2.2	9.8	9	<0.1	0.3	0.1	17	0.05	0.011
22235	Soil	0.6	14.3	22.2	35	0.2	13.3	5.5	147	1.73	6.0	1.0	2.3	11.2	11	<0.1	0.5	0.1	29	0.08	0.018
22251	Soil	0.7	6.8	14.5	35	<0.1	5.2	2.6	161	1.21	5.0	1.1	0.6	5.6	7	0.1	0.3	0.2	14	0.05	0.021
22547	Soil	0.8	6.1	10.3	21	<0.1	3.6	1.1	83	0.91	2.7	1.0	0.6	0.8	6	<0.1	0.4	0.2	13	0.04	0.017
22151	Soil	0.6	11.0	4.1	64	<0.1	5.4	6.3	380	2.46	1.9	0.6	<0.5	1.9	10	<0.1	0.3	<0.1	33	0.14	0.019
22152	Soil	0.8	35.7	4.7	75	<0.1	20.9	10.4	400	3.20	3.7	0.6	0.8	2.3	21	<0.1	0.3	<0.1	50	0.29	0.043
22153	Soil	0.9	28.4	4.5	76	<0.1	18.4	10.7	420	2.95	4.5	0.6	0.6	2.4	18	<0.1	0.3	<0.1	46	0.29	0.059
22154	Soil	0.9	18.2	19.7	40	<0.1	13.3	6.7	190	1.84	3.3	1.3	1.2	15.1	21	0.1	0.5	0.2	23	0.25	0.044
22155	Soil	0.9	28.7	38.8	83	0.3	7.4	6.8	267	1.59	2.0	1.1	0.9	16.0	18	0.1	0.3	0.2	10	0.21	0.040
22156	Soil	0.6	20.5	18.1	50	<0.1	11.9	5.0	146	1.65	4.0	1.0	1.8	10.3	15	<0.1	0.4	0.2	25	0.16	0.015
22157	Soil	0.7	25.6	16.2	53	<0.1	17.7	6.5	196	1.99	6.4	1.1	2.8	11.0	19	<0.1	0.5	0.2	35	0.17	0.016
22610	Soil	0.5	8.1	20.4	28	0.3	7.2	3.0	79	1.08	4.8	0.6	2.6	11.2	8	<0.1	0.3	0.1	19	0.07	0.014
22611	Soil	0.5	26.5	12.4	53	<0.1	18.3	7.6	223	2.24	19.0	0.9	3.6	5.5	19	<0.1	0.5	0.1	40	0.24	0.029
22612	Soil	0.7	9.8	15.9	32	0.1	8.7	3.5	115	1.54	45.3	0.8	1.9	5.8	7	<0.1	0.4	0.1	25	0.07	0.014
22613	Soil	0.8	27.4	10.5	80	<0.1	21.7	10.3	280	2.98	67.0	1.5	4.7	6.6	12	0.2	0.5	0.1	61	0.13	0.027
22614	Soil	0.7	14.3	8.8	44	0.2	14.7	6.8	248	2.23	9.1	0.4	1.5	2.9	10	0.1	0.4	0.1	45	0.11	0.039
22615	Soil	0.8	22.8	11.2	57	0.5	20.0	8.6	209	2.59	13.0	0.8	2.6	4.7	11	0.2	0.4	0.1	54	0.10	0.023
22616	Soil	1.1	20.0	12.3	55	0.3	13.3	6.3	220	2.51	6.3	0.7	<0.5	4.3	18	0.1	0.3	0.2	40	0.10	0.051
22617	Soil	0.8	12.7	9.2	64	0.6	13.3	8.2	203	2.38	5.6	0.5	1.3	2.8	11	0.1	0.4	0.2	52	0.11	0.044
22618	Soil	0.6	15.7	9.5	24	<0.1	2.5	1.6	106	1.35	3.8	0.7	<0.5	5.2	13	<0.1	0.2	0.1	16	0.09	0.034
22619	Soil	0.8	17.4	10.5	57	<0.1	19.6	10.3	273	2.82	10.0	0.5	1.4	3.5	13	<0.1	0.5	0.1	48	0.13	0.035
22620	Soil	0.4	26.2	10.3	107	<0.1	23.7	11.6	488	3.22	5.7	0.8	1.6	3.5	20	0.2	0.3	<0.1	40	0.32	0.106
22621	Soil	1.1	19.9	18.5	87	0.1	17.1	10.8	494	2.97	15.6	1.0	1.2	4.6	16	0.2	0.3	0.1	40	0.26	0.075
22622	Soil	1.1	26.2	9.9	85	0.2	20.6	10.0	336	2.77	11.0	1.1	5.0	4.5	18	0.2	0.4	0.1	44	0.21	0.072
22623	Soil	0.8	23.8	11.2	70	0.2	15.2	7.5	265	2.14	6.1	1.0	1.9	4.1	20	0.2	0.4	0.1	33	0.29	0.052
22624	Soil	0.9	19.1	12.9	57	0.1	16.3	7.5	214	1.90	7.0	1.5	3.9	6.6	21	0.3	0.6	0.2	37	0.26	0.050
22236	Soil	0.5	7.3	14.7	29	<0.1	4.9	2.7	105	1.05	3.9	0.9	<0.5	11.8	12	<0.1	0.2	0.2	16	0.10	0.012
22237	Soil	0.4	5.7	26.0	23	0.1	2.2	1.4	94	0.47	1.3	1.2	<0.5	17.9	11	<0.1	0.1	0.2	4	0.04	0.013
22238	Soil	0.5	26.0	10.0	97	0.1	22.5	14.1	496	3.60	19.9	1.2	1.7	6.0	26	0.2	0.3	<0.1	63	0.34	0.058
22239	Soil	0.9	12.7	26.1	39	0.2	10.4	5.0	203	1.46	14.4	1.3	2.7	13.2	13	0.1	0.3	0.2	15	0.18	0.040



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22234	Soil	28	8	0.22	193	0.020	1	0.66	0.003	0.07	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
22235	Soil	25	18	0.33	294	0.029	<1	1.17	0.005	0.08	0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
22251	Soil	8	7	0.18	51	0.022	1	0.53	0.003	0.10	0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
22547	Soil	22	6	0.07	206	0.011	<1	0.43	0.003	0.07	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
22151	Soil	4	8	0.69	186	0.097	<1	1.15	0.003	0.46	<0.1	<0.01	2.3	0.1	<0.05	5	<0.5	<0.2
22152	Soil	9	23	1.02	232	0.114	<1	1.63	0.004	0.05	<0.1	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
22153	Soil	9	22	0.99	207	0.090	<1	1.50	0.005	0.07	<0.1	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
22154	Soil	37	16	0.35	348	0.027	2	0.76	0.011	0.16	0.2	0.02	4.0	0.1	<0.05	2	<0.5	<0.2
22155	Soil	32	9	0.65	618	0.015	<1	0.95	0.004	0.14	<0.1	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
22156	Soil	33	16	0.60	449	0.041	<1	1.16	0.007	0.09	0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
22157	Soil	34	23	0.55	999	0.055	2	1.29	0.016	0.08	0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
22610	Soil	33	12	0.21	219	0.016	<1	0.81	0.004	0.06	0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
22611	Soil	20	45	0.79	320	0.055	<1	1.40	0.008	0.05	0.1	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
22612	Soil	16	11	0.25	146	0.021	<1	0.82	0.004	0.09	<0.1	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
22613	Soil	22	25	0.90	315	0.072	<1	1.53	0.005	0.20	<0.1	<0.01	5.5	0.2	<0.05	5	<0.5	<0.2
22614	Soil	9	23	0.46	196	0.060	1	1.35	0.007	0.11	0.2	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
22615	Soil	13	28	0.77	187	0.072	<1	1.81	0.005	0.06	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
22616	Soil	9	18	0.93	113	0.055	<1	1.55	0.005	0.07	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
22617	Soil	8	24	0.59	176	0.063	<1	1.75	0.005	0.05	0.1	0.01	2.4	0.1	<0.05	6	<0.5	<0.2
22618	Soil	4	4	0.19	122	0.041	<1	0.78	0.002	0.05	<0.1	<0.01	0.9	0.1	<0.05	3	<0.5	<0.2
22619	Soil	10	37	0.69	156	0.069	<1	2.10	0.007	0.04	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
22620	Soil	13	51	1.40	106	0.053	<1	1.95	0.003	0.07	<0.1	<0.01	3.6	0.1	<0.05	6	<0.5	<0.2
22621	Soil	17	68	1.54	140	0.093	<1	1.78	0.004	0.13	<0.1	<0.01	4.4	0.2	<0.05	6	<0.5	<0.2
22622	Soil	15	29	0.95	192	0.084	<1	1.61	0.006	0.09	<0.1	0.05	3.2	0.1	<0.05	5	<0.5	<0.2
22623	Soil	18	21	0.65	281	0.053	<1	1.35	0.006	0.10	<0.1	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
22624	Soil	24	20	0.40	408	0.051	<1	1.12	0.010	0.08	0.2	0.03	3.0	0.1	<0.05	4	0.5	<0.2
22236	Soil	42	9	0.27	249	0.013	1	0.78	0.004	0.13	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
22237	Soil	56	5	0.08	156	0.003	<1	0.26	0.002	0.13	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
22238	Soil	19	147	1.82	243	0.110	<1	2.30	0.004	0.05	0.1	0.01	6.7	<0.1	<0.05	8	<0.5	<0.2
22239	Soil	36	7	0.18	207	0.008	1	0.42	0.003	0.10	<0.1	0.01	2.9	0.1	<0.05	1	<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
22240	Soil	1.9	20.5	23.9	80	0.4	17.0	7.7	311	2.54	79.1	2.2	3.7	14.8	19	0.4	0.8	0.2	24	0.29	0.038
22241	Soil	2.4	50.2	45.0	144	0.5	18.6	12.2	484	3.45	34.8	1.6	8.9	8.4	68	0.3	0.5	0.4	35	0.38	0.063
22242	Soil	1.1	38.3	13.7	76	0.1	27.2	11.1	297	3.26	19.9	0.7	2.7	6.8	10	0.1	0.5	0.2	61	0.11	0.028
22121	Soil	0.6	5.1	8.3	44	<0.1	4.1	3.0	226	1.57	3.1	0.9	<0.5	6.3	14	<0.1	0.3	0.1	23	0.08	0.046
22292	Soil	0.8	6.5	15.2	35	<0.1	5.8	3.7	184	1.50	7.0	1.6	5.3	10.0	5	0.1	0.5	0.2	29	0.04	0.027
22083	Soil	1.0	22.5	18.7	43	0.1	17.5	8.9	235	2.01	6.2	1.6	14.2	13.7	11	<0.1	1.1	0.3	34	0.12	0.020
22507	Soil	0.1	18.9	36.3	62	<0.1	6.6	4.1	167	1.04	1.1	1.6	1.3	17.8	9	0.1	0.2	0.2	15	0.13	0.024
22508	Soil	0.3	10.4	27.0	25	<0.1	4.6	2.3	43	0.64	1.5	1.5	<0.5	22.2	2	<0.1	0.3	0.2	11	0.01	0.007
22509	Soil	0.6	10.3	17.4	25	<0.1	6.7	3.5	78	0.95	2.8	0.8	<0.5	10.1	2	<0.1	0.3	0.3	18	0.02	0.008
22510	Soil	1.4	13.4	12.4	24	<0.1	8.8	4.3	100	1.57	5.2	2.8	2.3	12.9	8	<0.1	0.5	0.5	28	0.06	0.008
22511	Soil	1.1	11.4	12.7	28	<0.1	5.9	3.1	59	1.11	4.2	2.9	0.6	19.0	8	<0.1	0.6	0.4	20	0.05	0.008
22512	Soil	0.7	13.4	17.8	24	<0.1	9.2	4.5	110	1.43	5.1	2.3	<0.5	13.7	9	<0.1	0.5	0.3	27	0.07	0.010
22513	Soil	0.3	3.6	15.6	15	<0.1	1.9	1.5	58	0.61	2.1	1.2	<0.5	10.6	2	<0.1	0.4	0.2	8	0.01	0.005
22514	Soil	0.7	21.8	10.8	44	<0.1	17.3	7.0	230	1.90	8.4	1.5	10.8	9.4	16	<0.1	0.6	0.2	42	0.18	0.053
22515	Soil	0.3	14.1	18.6	36	<0.1	9.8	4.3	204	1.26	5.6	1.2	3.1	10.8	14	<0.1	0.5	0.2	27	0.16	0.034
22516	Soil	0.2	4.5	11.5	22	<0.1	3.1	3.9	114	0.85	1.3	1.0	<0.5	11.1	7	<0.1	0.2	0.2	8	0.06	0.020
22517	Soil	0.3	37.5	12.5	36	<0.1	80.1	14.2	341	2.12	3.3	1.0	12.2	9.6	23	<0.1	0.2	<0.1	39	0.28	0.048
22518	Soil	0.2	19.0	7.9	25	<0.1	23.7	6.3	124	1.27	3.6	0.8	6.8	6.0	14	<0.1	0.3	<0.1	23	0.16	0.028
22519	Soil	0.5	5.8	12.1	27	<0.1	5.9	3.8	147	1.16	3.1	0.8	<0.5	7.8	8	<0.1	0.4	0.1	18	0.08	0.027
22520	Soil	0.7	14.5	18.8	40	0.1	12.1	6.9	221	1.75	4.0	1.9	1.6	10.2	24	0.1	0.5	0.4	28	0.53	0.038
22521	Soil	0.9	13.1	10.6	39	<0.1	12.8	7.3	257	1.92	5.0	1.2	1.4	8.5	22	<0.1	0.5	0.4	32	0.28	0.041
22522	Soil	1.0	19.3	10.2	46	<0.1	16.6	6.5	233	1.94	6.0	1.0	1.0	6.8	21	<0.1	0.6	0.2	40	0.21	0.035
22523	Soil	0.8	17.4	18.2	37	<0.1	11.0	4.2	179	1.40	4.2	1.0	<0.5	12.1	12	0.1	0.5	0.3	28	0.12	0.023
22524	Soil	0.7	8.4	9.8	22	<0.1	6.3	4.3	139	1.06	1.7	0.8	0.6	13.9	6	<0.1	0.3	0.2	15	0.04	0.010
22525	Soil	0.4	13.5	17.3	38	<0.1	7.9	5.1	206	1.33	1.5	1.2	5.0	17.3	12	<0.1	0.3	0.1	17	0.10	0.031
22581	Soil	0.6	14.6	19.1	79	<0.1	12.6	5.5	214	1.53	3.1	1.0	<0.5	10.9	7	0.2	0.7	0.2	18	0.04	0.013
22582	Soil	0.8	20.5	18.8	42	<0.1	13.5	6.2	221	1.83	6.9	1.5	2.0	11.5	8	<0.1	0.5	0.2	39	0.07	0.014
22583	Soil	1.0	13.4	138.7	28	<0.1	4.1	2.6	232	0.53	1.7	2.6	<0.5	23.7	5	0.1	0.3	0.6	8	0.02	0.015
22584	Soil	1.8	15.1	32.3	22	<0.1	8.4	3.2	80	1.28	4.3	1.2	0.7	14.8	6	<0.1	0.5	0.7	25	0.04	0.007
22585	Soil	1.5	5.9	14.5	20	<0.1	2.4	2.6	57	1.38	1.8	1.3	<0.5	15.7	2	<0.1	0.3	1.2	7	<0.01	0.013



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Project: Portland
Report Date: October 26, 2010

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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
22240	Soil	46	19	0.58	476	0.004	<1	1.22	0.004	0.13	<0.1	0.02	4.6	<0.1	<0.05	3	<0.5	<0.2
22241	Soil	27	47	1.18	330	0.008	<1	1.68	0.016	0.11	<0.1	0.04	5.1	<0.1	0.12	5	1.2	0.2
22242	Soil	16	32	1.16	126	0.028	<1	2.15	0.005	0.05	<0.1	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
22121	Soil	9	10	0.37	70	0.065	<1	0.90	0.004	0.18	<0.1	<0.01	2.0	0.2	<0.05	6	<0.5	<0.2
22292	Soil	43	11	0.15	109	0.019	1	0.74	0.003	0.08	0.1	<0.01	1.9	0.1	<0.05	3	<0.5	<0.2
22083	Soil	44	29	0.43	728	0.018	<1	0.97	0.004	0.06	<0.1	0.02	4.8	<0.1	<0.05	3	0.5	<0.2
22507	Soil	43	7	0.59	227	0.030	<1	0.74	0.002	0.05	<0.1	<0.01	2.4	0.1	<0.05	2	<0.5	<0.2
22508	Soil	31	6	0.15	99	0.017	<1	0.47	0.002	0.05	<0.1	<0.01	1.5	<0.1	<0.05	<1	<0.5	<0.2
22509	Soil	9	8	0.12	152	0.009	<1	0.65	0.002	0.05	<0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
22510	Soil	26	15	0.20	430	0.027	<1	0.78	0.005	0.05	0.1	0.02	2.2	<0.1	<0.05	2	<0.5	<0.2
22511	Soil	65	9	0.13	506	0.013	<1	0.59	0.004	0.05	<0.1	<0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
22512	Soil	34	14	0.20	1064	0.023	<1	0.75	0.005	0.05	<0.1	<0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
22513	Soil	16	2	0.04	68	0.005	<1	0.31	0.001	0.06	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2
22514	Soil	24	22	0.35	256	0.042	1	0.85	0.007	0.05	0.3	0.02	3.5	<0.1	<0.05	3	<0.5	<0.2
22515	Soil	23	11	0.21	233	0.030	<1	0.56	0.006	0.07	0.2	<0.01	1.7	<0.1	<0.05	2	0.5	<0.2
22516	Soil	5	3	0.12	84	0.014	<1	0.47	0.001	0.13	<0.1	<0.01	1.2	0.1	<0.05	2	<0.5	<0.2
22517	Soil	31	137	1.52	446	0.079	<1	1.48	0.003	0.13	<0.1	<0.01	5.2	0.2	<0.05	5	<0.5	<0.2
22518	Soil	18	33	0.51	222	0.041	<1	0.83	0.003	0.04	0.1	<0.01	1.8	<0.1	<0.05	2	<0.5	<0.2
22519	Soil	12	9	0.19	220	0.021	<1	0.62	0.003	0.10	<0.1	<0.01	1.3	<0.1	<0.05	2	0.5	<0.2
22520	Soil	32	19	0.52	763	0.037	1	1.08	0.008	0.08	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
22521	Soil	24	17	0.53	547	0.037	<1	1.07	0.009	0.07	0.2	0.01	2.1	<0.1	<0.05	3	0.5	<0.2
22522	Soil	18	21	0.38	577	0.043	1	1.06	0.010	0.05	0.2	0.03	2.7	<0.1	<0.05	3	0.7	<0.2
22523	Soil	25	14	0.25	490	0.034	<1	0.70	0.007	0.06	0.1	0.02	2.3	<0.1	<0.05	2	<0.5	<0.2
22524	Soil	13	11	0.19	326	0.022	<1	0.56	0.002	0.08	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
22525	Soil	44	13	0.31	593	0.037	<1	0.78	0.003	0.12	<0.1	0.02	3.0	0.1	<0.05	2	<0.5	<0.2
22581	Soil	16	22	0.56	386	0.040	<1	0.99	0.002	0.08	<0.1	<0.01	1.8	0.1	<0.05	3	<0.5	<0.2
22582	Soil	25	22	0.30	508	0.042	1	1.16	0.006	0.06	0.1	<0.01	3.1	<0.1	<0.05	3	<0.5	<0.2
22583	Soil	75	5	0.07	417	0.007	<1	0.30	0.001	0.07	<0.1	<0.01	1.5	<0.1	<0.05	<1	<0.5	<0.2
22584	Soil	23	12	0.16	359	0.022	<1	0.71	0.003	0.05	<0.1	0.02	2.1	<0.1	<0.05	2	<0.5	0.3
22585	Soil	12	3	0.05	550	0.004	<1	0.43	0.002	0.06	<0.1	<0.01	1.2	<0.1	<0.05	1	<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 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
22586	Soil	0.9	12.0	17.9	22	<0.1	7.8	3.6	130	1.26	4.3	1.9	0.6	14.6	8	<0.1	1.0	0.3	22	0.06	0.007
22587	Soil	0.6	16.4	14.9	30	<0.1	11.1	5.4	105	1.48	4.5	1.4	2.5	11.6	11	<0.1	0.7	0.2	28	0.09	0.008
22588	Soil	0.9	13.3	19.8	31	<0.1	9.7	4.6	110	1.58	5.8	1.8	28.5	12.3	12	<0.1	0.5	0.2	34	0.08	0.009
22589	Soil	0.4	8.2	18.5	29	<0.1	4.2	2.4	113	1.08	2.7	2.1	7.1	16.2	9	<0.1	0.4	0.1	13	0.07	0.015
22590	Soil	0.4	15.1	9.3	32	<0.1	12.0	4.8	157	1.52	5.2	0.7	2.3	7.5	17	<0.1	0.4	0.1	29	0.20	0.034
22591	Soil	0.2	22.6	4.2	21	<0.1	37.6	6.8	105	1.06	2.4	0.4	4.2	3.2	16	<0.1	0.2	<0.1	16	0.20	0.045
22592	Soil	0.4	9.1	13.8	30	<0.1	9.9	4.2	139	1.22	3.1	0.8	0.6	6.6	11	<0.1	0.3	0.1	19	0.11	0.029
22593	Soil	0.3	9.9	12.3	26	0.2	9.1	4.3	149	1.29	4.0	1.2	0.6	9.7	13	<0.1	0.4	0.1	28	0.21	0.027
22594	Soil	1.1	13.2	12.6	54	0.1	24.6	8.1	205	1.97	4.5	1.4	6.9	7.8	22	0.1	0.4	0.3	41	0.36	0.074
22595	Soil	1.6	22.3	15.3	38	0.4	11.6	3.6	212	1.39	1.5	2.3	0.6	0.9	21	0.4	0.2	0.7	20	0.29	0.048
22596	Soil	0.6	26.0	30.8	92	<0.1	40.5	12.1	640	1.91	2.6	0.6	1.2	7.7	18	0.5	0.3	0.2	26	0.40	0.116
22597	Soil	0.9	15.8	14.6	75	<0.1	12.9	5.9	297	1.86	2.4	1.8	2.1	12.2	16	<0.1	0.3	0.3	20	0.16	0.028
22598	Soil	0.7	16.6	6.8	42	<0.1	39.3	13.2	282	2.33	2.9	1.0	<0.5	4.8	15	<0.1	0.3	0.2	31	0.23	0.072
22599	Soil	0.3	9.8	39.0	25	<0.1	6.9	3.5	69	0.88	1.8	0.8	0.5	13.1	8	<0.1	0.3	0.2	12	0.06	0.010
22600	Soil	0.6	5.8	2.7	10	<0.1	3.9	3.4	99	0.93	1.0	0.7	<0.5	10.2	3	<0.1	0.3	0.2	6	0.02	0.007
22601	Soil	0.3	8.7	15.1	45	<0.1	6.3	4.4	216	1.42	0.6	1.0	0.9	10.1	8	0.1	0.4	0.1	9	0.09	0.046
22602	Soil	0.3	6.2	4.1	51	<0.1	5.7	6.9	228	1.29	1.5	1.5	0.7	21.2	6	0.1	0.2	<0.1	5	0.08	0.022
22603	Soil	1.1	20.1	40.0	23	0.2	2.1	1.3	60	0.67	4.0	1.0	2.0	11.2	7	<0.1	1.2	0.3	<2	0.01	0.006
22604	Soil	0.8	19.7	23.5	61	<0.1	9.4	5.4	153	1.58	4.1	1.7	1.9	12.3	11	<0.1	0.4	0.2	17	0.13	0.027
22605	Soil	0.5	21.5	13.5	45	0.1	15.9	6.2	207	1.76	6.2	1.1	2.9	6.1	17	<0.1	0.4	0.1	29	0.18	0.031
22606	Soil	0.7	5.9	16.0	19	<0.1	5.0	3.0	128	0.96	3.5	0.5	<0.5	7.3	6	<0.1	0.3	0.1	15	0.06	0.014
22607	Soil	0.7	17.0	31.9	69	0.2	8.9	5.0	276	1.29	3.2	3.3	1.8	10.0	21	0.3	0.2	0.2	11	0.24	0.045
22608	Soil	0.7	15.8	27.4	45	0.4	9.6	4.5	210	1.51	4.1	1.2	1.1	6.9	14	0.1	0.3	0.2	21	0.19	0.038
22609	Soil	0.3	7.7	23.9	21	<0.1	6.0	2.6	61	0.79	2.8	0.8	1.3	12.7	5	<0.1	0.2	0.2	13	0.04	0.010
22110	Soil	0.7	9.8	15.2	25	<0.1	8.5	4.2	126	1.50	4.8	1.0	5.4	8.8	6	<0.1	0.6	0.1	24	0.04	0.021



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22586	Soil	36	13	0.18	866	0.022	1	0.71	0.004	0.06	<0.1	<0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
22587	Soil	38	20	0.28	590	0.030	<1	0.83	0.006	0.06	0.2	<0.01	2.9	<0.1	<0.05	3	<0.5	<0.2
22588	Soil	32	16	0.25	480	0.038	1	0.96	0.006	0.07	<0.1	0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
22589	Soil	29	5	0.11	192	0.014	1	0.40	0.002	0.11	0.1	<0.01	1.7	0.1	<0.05	2	<0.5	<0.2
22590	Soil	18	16	0.29	308	0.036	<1	0.80	0.008	0.05	0.2	0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
22591	Soil	9	47	0.53	133	0.041	<1	0.71	0.003	0.03	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
22592	Soil	9	10	0.27	209	0.027	<1	0.66	0.003	0.11	<0.1	<0.01	1.6	<0.1	<0.05	2	<0.5	<0.2
22593	Soil	37	6	0.25	583	0.026	<1	0.78	0.005	0.08	0.1	0.02	1.9	<0.1	<0.05	3	0.6	<0.2
22594	Soil	27	32	0.84	483	0.037	<1	1.18	0.007	0.05	0.3	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
22595	Soil	33	11	0.42	791	0.010	<1	0.93	0.007	0.05	<0.1	0.04	0.5	<0.1	<0.05	3	0.8	<0.2
22596	Soil	21	31	1.15	325	0.039	<1	1.14	0.005	0.13	0.2	0.01	1.7	0.1	<0.05	3	<0.5	<0.2
22597	Soil	30	16	0.72	466	0.035	1	1.09	0.008	0.07	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
22598	Soil	15	41	1.36	202	0.065	<1	1.65	0.005	0.04	0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
22599	Soil	40	15	0.49	388	0.010	<1	0.74	0.003	0.06	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
22600	Soil	6	6	0.13	203	0.009	<1	0.46	0.001	0.08	<0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
22601	Soil	12	9	0.27	292	0.030	<1	0.62	0.002	0.25	<0.1	<0.01	2.0	0.2	<0.05	2	<0.5	<0.2
22602	Soil	52	5	0.72	252	0.029	<1	0.86	0.002	0.13	<0.1	<0.01	1.9	0.2	<0.05	3	<0.5	<0.2
22603	Soil	23	3	0.03	445	0.003	<1	0.24	0.003	0.05	<0.1	0.07	1.1	<0.1	<0.05	<1	<0.5	<0.2
22604	Soil	30	12	0.52	331	0.031	<1	0.90	0.004	0.05	<0.1	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
22605	Soil	18	19	0.40	477	0.039	<1	0.91	0.007	0.04	0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
22606	Soil	10	9	0.11	157	0.013	<1	0.46	0.003	0.07	0.1	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
22607	Soil	30	9	0.28	775	0.024	<1	0.64	0.004	0.10	<0.1	0.03	1.5	<0.1	<0.05	2	<0.5	<0.2
22608	Soil	26	14	0.33	479	0.018	<1	0.93	0.004	0.06	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
22609	Soil	26	9	0.17	113	0.013	<1	0.55	0.003	0.05	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
22110	Soil	17	14	0.20	115	0.028	<1	1.12	0.004	0.07	0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2



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Project: Portland
Report Date: October 26, 2010

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QUALITY CONTROL REPORT

WHI10000547.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
22202	Soil	0.6	20.4	16.8	46	0.2	15.5	5.8	155	1.88	5.7	7.0	2.8	5.0	91	0.2	0.5	0.2	35	0.63
REP 22202	QC	0.6	19.7	16.6	47	0.2	15.9	5.7	144	1.80	5.4	6.7	2.5	5.0	86	0.3	0.5	0.2	35	0.61
22824	Soil	1.3	13.6	15.1	38	<0.1	12.5	5.8	152	2.08	8.6	1.3	0.7	9.9	8	<0.1	0.7	0.3	37	0.05
REP 22824	QC	1.2	13.4	15.2	36	<0.1	11.7	5.8	147	2.02	8.4	1.3	1.8	9.9	8	<0.1	0.6	0.3	35	0.05
22849	Soil	0.3	8.5	13.3	32	<0.1	6.1	2.9	101	0.95	2.2	1.4	0.6	10.6	11	0.2	0.2	0.1	8	0.18
REP 22849	QC	0.3	8.6	12.9	31	<0.1	5.8	2.8	98	0.91	2.0	1.5	1.4	10.4	11	0.2	0.2	0.1	10	0.18
22151	Soil	0.6	11.0	4.1	64	<0.1	5.4	6.3	380	2.46	1.9	0.6	<0.5	1.9	10	<0.1	0.3	<0.1	33	0.14
REP 22151	QC	0.7	11.5	4.1	66	<0.1	5.2	6.3	387	2.50	2.0	0.7	<0.5	2.0	10	<0.1	0.3	<0.1	34	0.15
22619	Soil	0.8	17.4	10.5	57	<0.1	19.6	10.3	273	2.82	10.0	0.5	1.4	3.5	13	<0.1	0.5	0.1	48	0.13
REP 22619	QC	0.7	17.5	10.5	57	<0.1	19.0	10.1	272	2.82	10.4	0.6	2.2	3.6	14	0.1	0.5	0.1	49	0.14
22517	Soil	0.3	37.5	12.5	36	<0.1	80.1	14.2	341	2.12	3.3	1.0	12.2	9.6	23	<0.1	0.2	<0.1	39	0.28
REP 22517	QC	0.2	37.0	12.1	37	<0.1	78.5	14.9	348	2.19	3.3	1.0	13.2	10.0	21	<0.1	0.2	<0.1	41	0.28
22590	Soil	0.4	15.1	9.3	32	<0.1	12.0	4.8	157	1.52	5.2	0.7	2.3	7.5	17	<0.1	0.4	0.1	29	0.20
REP 22590	QC	0.4	14.9	8.9	31	<0.1	11.2	4.5	156	1.48	5.1	0.7	0.7	7.0	17	<0.1	0.4	0.1	32	0.20
22596	Soil	0.6	26.0	30.8	92	<0.1	40.5	12.1	640	1.91	2.6	0.6	1.2	7.7	18	0.5	0.3	0.2	26	0.40
REP 22596	QC	0.7	26.4	31.6	98	<0.1	42.0	12.2	646	1.89	2.8	0.6	1.2	8.3	20	0.5	0.3	0.2	26	0.43
Reference Materials																				
STD DS7	Standard	21.3	116.6	75.3	396	0.9	57.3	9.9	607	2.33	50.1	5.1	76.3	5.0	67	6.3	5.9	4.9	85	0.90
STD DS7	Standard	21.5	107.7	68.9	391	0.9	57.0	9.5	626	2.33	51.0	4.6	71.6	4.8	72	6.0	6.0	4.4	83	0.87
STD DS7	Standard	21.7	108.7	70.4	383	0.9	54.6	9.6	616	2.34	50.9	4.7	71.6	4.6	65	6.2	5.8	4.5	88	0.89
STD DS7	Standard	21.6	111.1	66.1	378	0.9	56.4	9.7	620	2.34	51.0	4.6	84.8	4.3	67	6.2	6.0	4.2	86	0.90
STD DS7	Standard	20.1	107.6	62.1	370	1.0	51.3	8.6	599	2.29	49.3	4.6	74.4	4.5	77	5.9	5.6	4.2	81	0.94
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Project:

Portland

Report Date:

October 26, 2010

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Part 2

QUALITY CONTROL REPORT

WHI10000547.1

	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																		
22202	Soil	23	19	0.42	532	0.033	1	1.00	0.010	0.06	0.1	0.04	2.4	<0.1	0.11	3	1.6	<0.2
REP 22202	QC	22	19	0.40	511	0.033	<1	0.95	0.013	0.06	0.1	0.04	2.3	<0.1	0.09	3	1.0	<0.2
22824	Soil	18	22	0.27	274	0.036	<1	1.43	0.006	0.07	0.2	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
REP 22824	QC	17	22	0.26	261	0.032	<1	1.36	0.006	0.06	0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
22849	Soil	33	9	0.27	391	0.025	<1	0.62	0.003	0.10	<0.1	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
REP 22849	QC	32	9	0.26	385	0.025	<1	0.61	0.007	0.09	<0.1	0.01	1.2	0.1	<0.05	2	<0.5	<0.2
22151	Soil	4	8	0.69	186	0.097	<1	1.15	0.003	0.46	<0.1	<0.01	2.3	0.1	<0.05	5	<0.5	<0.2
REP 22151	QC	4	8	0.69	188	0.100	1	1.17	0.010	0.46	<0.1	<0.01	2.4	0.1	<0.05	5	<0.5	<0.2
22619	Soil	10	37	0.69	156	0.069	<1	2.10	0.007	0.04	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
REP 22619	QC	10	37	0.69	165	0.073	<1	2.08	0.006	0.04	0.1	0.01	2.9	0.1	<0.05	5	<0.5	<0.2
22517	Soil	31	137	1.52	446	0.079	<1	1.48	0.003	0.13	<0.1	<0.01	5.2	0.2	<0.05	5	<0.5	<0.2
REP 22517	QC	31	132	1.50	463	0.076	<1	1.41	0.004	0.13	<0.1	<0.01	5.0	0.3	<0.05	5	<0.5	<0.2
22590	Soil	18	16	0.29	308	0.036	<1	0.80	0.008	0.05	0.2	0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 22590	QC	18	16	0.29	313	0.035	<1	0.79	0.008	0.05	0.2	0.02	2.5	<0.1	<0.05	2	<0.5	<0.2
22596	Soil	21	31	1.15	325	0.039	<1	1.14	0.005	0.13	0.2	0.01	1.7	0.1	<0.05	3	<0.5	<0.2
REP 22596	QC	21	30	1.17	337	0.040	<1	1.16	0.005	0.13	0.2	0.01	1.8	0.1	<0.05	3	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	201	1.02	381	0.121	34	0.97	0.086	0.44	3.6	0.20	2.2	4.1	0.21	5	3.4	1.8
STD DS7	Standard	12	201	1.00	387	0.116	35	0.97	0.092	0.45	3.3	0.20	2.3	4.0	0.20	5	3.6	1.3
STD DS7	Standard	12	206	1.05	369	0.119	36	0.95	0.098	0.45	3.2	0.21	2.3	3.9	0.19	4	3.3	1.1
STD DS7	Standard	12	206	1.03	395	0.118	39	1.00	0.097	0.46	3.5	0.20	2.2	3.9	0.17	5	3.0	0.9
STD DS7	Standard	14	201	1.02	384	0.137	36	1.01	0.103	0.47	3.7	0.19	2.6	3.9	0.16	5	3.2	1.1
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<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: September 30, 2010

Report Date: November 04, 2010

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CERTIFICATE OF ANALYSIS

WHI10000546.1

CLIENT JOB INFORMATION

Project: Portland
Shipment ID:
P.O. Number
Number of Samples: 256

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:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	256	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	256	Dry at 60C			WHI
1DX2	256	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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Part 1

CERTIFICATE OF ANALYSIS

WHI10000546.1

	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
22041	Soil	0.4	23.5	1.8	85	0.3	16.1	11.4	479	2.89	3.9	0.2	0.6	0.7	6	<0.1	0.2	<0.1	37	0.11	0.029
22042	Soil	0.5	45.3	3.9	55	0.1	15.4	15.6	552	3.46	7.0	0.3	2.2	2.1	7	<0.1	0.4	<0.1	68	0.13	0.029
22043	Soil	0.5	21.0	3.1	34	0.2	7.9	6.6	253	1.73	3.8	0.3	1.4	1.6	9	<0.1	0.2	<0.1	24	0.10	0.012
22044	Soil	0.7	39.8	4.3	64	0.2	11.8	9.8	412	3.26	5.7	0.3	3.0	1.7	4	<0.1	0.3	0.1	44	0.05	0.021
22045	Soil	0.4	20.7	1.8	54	<0.1	8.8	11.0	571	2.50	2.0	0.1	1.0	0.6	5	<0.1	0.1	<0.1	34	0.11	0.032
22046	Soil	0.4	24.9	2.6	58	<0.1	6.2	12.1	781	3.17	2.0	0.2	2.4	0.9	5	<0.1	0.2	<0.1	55	0.21	0.040
22243	Soil	0.7	18.9	5.6	65	<0.1	10.1	12.5	675	3.46	4.5	0.3	1.9	1.9	5	<0.1	0.2	<0.1	54	0.14	0.044
22244	Soil	1.1	82.9	3.8	46	0.1	23.0	23.8	755	3.76	5.7	0.2	7.7	1.2	4	<0.1	0.2	<0.1	54	0.09	0.048
22245	Soil	0.5	29.1	3.2	69	<0.1	6.8	21.8	736	4.13	5.2	0.2	0.8	0.8	6	<0.1	0.2	<0.1	74	0.18	0.045
22246	Soil	0.4	29.8	2.7	56	<0.1	14.9	19.8	696	3.67	3.3	0.8	1.3	3.5	7	<0.1	0.2	0.1	78	0.24	0.041
22247	Soil	0.4	30.8	1.8	44	<0.1	13.4	19.0	526	3.06	2.7	0.2	1.5	0.8	7	<0.1	0.1	<0.1	51	0.21	0.035
22248	Soil	0.5	52.1	3.1	72	0.2	17.2	21.8	735	3.98	4.3	0.2	1.5	1.0	10	0.2	0.2	<0.1	75	0.32	0.054
22249	Soil	0.9	73.2	3.7	58	0.2	28.8	21.6	753	3.87	3.2	0.3	1.5	1.1	9	0.1	0.1	<0.1	74	0.28	0.053
21898	Soil	1.3	15.5	25.8	34	0.1	11.1	4.5	146	1.35	3.2	2.0	2.1	6.9	25	0.1	0.7	0.3	23	0.25	0.030
22018	Soil	0.9	43.1	9.1	47	<0.1	62.2	14.5	546	2.72	3.4	0.7	1.2	8.9	10	<0.1	0.2	0.1	46	0.19	0.060
22019	Soil	1.2	15.5	13.8	32	<0.1	12.5	4.8	134	1.69	6.2	1.1	2.2	14.6	8	<0.1	0.5	0.2	29	0.07	0.009
22380	Soil	1.1	59.5	3.3	69	0.2	28.9	19.4	901	4.06	2.6	0.5	0.8	2.3	18	0.2	0.2	<0.1	74	0.46	0.090
22381	Soil	0.9	61.0	4.3	69	0.2	30.2	18.0	595	3.75	3.5	0.5	1.1	1.9	23	0.1	0.2	<0.1	69	0.56	0.067
22382	Soil	0.8	56.9	4.3	64	0.2	29.4	15.5	531	3.39	3.5	0.6	0.9	1.8	23	0.1	0.2	0.1	63	0.55	0.065
22383	Soil	1.0	26.8	15.6	68	0.1	20.5	10.9	337	2.80	6.9	0.7	1.9	5.9	12	<0.1	0.2	0.2	43	0.24	0.052
22384	Soil	0.9	26.5	12.9	60	0.4	22.7	10.7	326	2.94	5.6	0.7	7.1	4.9	12	0.1	0.4	0.1	51	0.21	0.041
22385	Soil	0.6	36.0	5.8	47	0.2	23.4	11.3	285	2.59	3.5	0.6	2.8	2.7	12	<0.1	0.2	<0.1	53	0.21	0.028
22386	Soil	0.4	21.2	3.1	69	<0.1	11.9	13.0	430	3.08	4.8	0.3	1.0	1.3	11	<0.1	0.2	<0.1	41	0.24	0.056
22122	Soil	0.4	67.3	6.8	83	0.3	17.4	28.2	947	4.35	3.2	<0.1	10.1	0.6	10	0.2	<0.1	<0.1	83	0.44	0.063
22123	Soil	0.3	40.5	6.1	93	0.1	8.1	23.3	933	4.67	3.7	0.1	4.6	0.6	11	<0.1	0.2	<0.1	89	0.34	0.050
22124	Soil	0.3	43.2	2.1	54	<0.1	10.7	20.5	628	3.80	3.3	0.3	2.9	0.9	9	<0.1	0.3	<0.1	67	0.20	0.016
22125	Soil	0.4	45.2	3.2	69	<0.1	6.6	16.6	689	4.49	3.8	0.1	<0.5	0.8	6	<0.1	0.2	<0.1	78	0.16	0.047
22126	Soil	0.2	83.2	1.6	54	0.1	13.4	18.3	511	4.17	3.3	<0.1	1.2	0.4	7	0.2	0.2	<0.1	89	0.15	0.019
22127	Soil	0.3	54.6	1.8	49	<0.1	9.6	16.6	407	3.73	2.1	0.1	<0.5	0.6	6	<0.1	0.1	<0.1	83	0.15	0.030
22128	Soil	0.2	95.6	2.3	72	0.2	26.3	23.6	619	4.36	1.1	0.2	1.6	0.7	7	<0.1	<0.1	<0.1	75	0.22	0.042



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Project: Portland
Report Date: November 04, 2010

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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
22041	Soil	2	29	1.40	44	0.043	<1	1.83	0.003	0.02	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
22042	Soil	6	18	1.13	98	0.057	<1	2.09	0.005	0.03	<0.1	0.01	3.4	<0.1	<0.05	5	0.5	<0.2
22043	Soil	4	9	0.48	57	0.017	<1	1.11	0.003	0.02	<0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
22044	Soil	5	16	0.99	76	0.018	<1	1.88	0.004	0.02	<0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
22045	Soil	2	14	1.13	53	0.022	<1	1.60	0.003	0.02	<0.1	<0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
22046	Soil	4	11	1.10	63	0.006	<1	1.65	0.003	<0.01	<0.1	0.01	4.7	<0.1	<0.05	5	<0.5	<0.2
22243	Soil	6	13	1.21	101	0.011	<1	2.03	0.003	0.02	<0.1	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
22244	Soil	3	34	1.31	38	0.007	<1	1.59	0.002	<0.01	<0.1	0.02	4.7	<0.1	<0.05	4	1.0	<0.2
22245	Soil	2	9	1.59	70	0.042	<1	2.18	0.003	0.02	<0.1	<0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
22246	Soil	5	34	1.93	77	0.037	<1	2.27	0.003	0.01	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
22247	Soil	2	22	1.96	74	0.051	<1	2.04	0.002	0.01	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
22248	Soil	3	27	1.78	90	0.049	<1	2.28	0.003	0.03	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
22249	Soil	3	46	1.92	89	0.041	<1	2.31	0.002	0.02	<0.1	<0.01	5.0	<0.1	<0.05	6	<0.5	<0.2
21898	Soil	26	17	0.21	681	0.021	<1	0.83	0.006	0.08	0.1	0.02	2.0	<0.1	<0.05	2	<0.5	<0.2
22018	Soil	27	84	1.47	140	0.027	<1	1.74	0.003	0.04	<0.1	<0.01	5.1	<0.1	<0.05	5	<0.5	<0.2
22019	Soil	32	21	0.27	466	0.030	<1	1.08	0.005	0.06	<0.1	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2
22380	Soil	7	42	1.80	111	0.055	<1	2.07	0.003	0.05	<0.1	<0.01	8.1	<0.1	<0.05	6	<0.5	<0.2
22381	Soil	6	46	1.60	260	0.032	<1	2.11	0.006	0.03	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
22382	Soil	6	49	1.44	222	0.030	<1	1.91	0.008	0.03	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
22383	Soil	14	29	1.11	227	0.018	<1	1.91	0.004	0.04	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
22384	Soil	10	30	0.81	221	0.039	<1	1.80	0.005	0.05	0.1	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
22385	Soil	9	40	1.02	190	0.067	<1	1.55	0.005	0.04	<0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
22386	Soil	5	14	0.98	180	0.098	<1	1.61	0.011	0.28	<0.1	<0.01	2.1	0.1	<0.05	5	<0.5	<0.2
22122	Soil	2	36	1.83	53	0.012	<1	2.32	0.004	0.01	<0.1	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2
22123	Soil	3	13	1.78	156	0.034	<1	2.41	0.003	0.02	<0.1	0.02	4.7	<0.1	<0.05	7	<0.5	<0.2
22124	Soil	3	15	1.66	122	0.086	<1	2.35	0.003	0.02	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
22125	Soil	2	9	1.41	87	0.076	<1	2.29	0.003	0.04	<0.1	<0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
22126	Soil	1	16	1.98	127	0.123	<1	2.68	0.003	0.02	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
22127	Soil	2	15	1.42	73	0.077	<1	1.94	0.006	0.04	<0.1	<0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
22128	Soil	2	42	1.68	84	0.016	<1	2.49	0.003	0.03	<0.1	<0.01	5.1	<0.1	<0.05	6	<0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					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
22129	Soil				0.8	103.0	51.5	127	0.6	25.8	17.6	748	3.64	1.4	0.7	1.9	6.9	11	0.6	0.2	0.4	54	0.33	0.089
22130	Soil				0.4	114.4	4.2	71	0.2	17.6	22.5	803	3.86	1.4	0.3	1.1	1.1	22	0.5	0.1	0.2	68	0.80	0.058
22131	Soil				0.6	107.2	6.3	77	0.3	23.5	22.5	915	4.26	3.0	0.3	1.3	1.7	20	0.4	0.2	0.2	79	0.67	0.060
22132	Soil				1.0	29.0	6.4	58	0.3	19.4	10.4	329	2.64	4.2	1.0	1.4	2.8	27	<0.1	0.3	0.1	47	0.47	0.044
22133	Soil				0.4	30.6	3.6	45	<0.1	18.2	12.6	253	2.31	5.2	0.3	1.6	1.7	11	<0.1	0.4	<0.1	40	0.21	0.013
22134	Soil				0.5	17.5	6.8	53	<0.1	11.9	7.9	343	2.14	2.8	1.1	0.8	4.6	18	<0.1	0.4	<0.1	42	0.24	0.062
22135	Soil				1.5	14.3	17.4	60	<0.1	17.0	6.6	301	1.90	2.5	0.9	0.7	6.1	9	0.1	0.2	0.1	23	0.10	0.032
22826	Soil				0.7	7.6	20.5	36	<0.1	7.1	4.3	227	1.13	3.1	1.5	3.1	10.1	12	0.1	0.4	0.2	15	0.10	0.025
22827	Soil				0.9	17.5	19.4	55	0.1	12.9	5.3	170	1.72	6.7	1.7	6.9	12.6	14	0.2	0.6	0.2	26	0.15	0.040
22828	Soil				0.8	10.4	16.8	40	<0.1	10.7	4.8	131	1.52	4.5	0.9	4.3	7.2	7	<0.1	0.4	0.2	23	0.06	0.017
22829	Soil				1.3	6.4	17.1	34	<0.1	6.7	3.0	117	1.45	5.9	0.9	2.5	3.5	8	<0.1	0.5	0.2	25	0.06	0.023
22830	Soil				0.4	2.0	7.5	12	<0.1	1.1	0.5	37	0.43	1.3	0.8	1.2	0.4	6	<0.1	0.2	0.1	7	0.02	0.009
22831	Soil				1.0	11.4	41.0	41	0.1	10.8	5.3	142	1.73	7.4	0.9	1.2	14.8	7	<0.1	0.6	0.2	31	0.05	0.022
22832	Soil				0.8	9.4	21.7	55	0.1	8.0	5.0	219	1.74	4.1	1.2	0.9	16.3	7	<0.1	0.3	0.5	21	0.05	0.026
22833	Soil				0.2	8.6	31.6	58	<0.1	4.1	3.3	243	1.44	1.8	2.1	0.8	21.5	5	<0.1	0.3	0.2	9	0.07	0.024
22834	Soil				0.3	6.4	25.3	52	<0.1	6.3	3.0	181	0.79	2.0	1.2	<0.5	12.8	4	0.1	0.2	0.3	13	0.03	0.015
22835	Soil				0.6	5.7	16.4	60	0.3	3.7	2.8	165	1.44	3.9	1.4	0.8	13.3	8	0.1	0.3	0.2	22	0.03	0.022
22836	Soil				0.2	6.8	4.4	57	<0.1	13.6	9.7	215	2.22	1.0	0.3	1.8	1.4	11	<0.1	0.1	<0.1	29	0.20	0.043
22837	Soil				0.4	10.1	18.6	42	0.2	12.7	5.8	142	1.81	4.7	0.6	3.0	8.9	9	0.1	0.4	0.2	31	0.09	0.021
22838	Soil				0.8	17.7	23.7	53	0.1	13.1	6.6	233	2.01	7.0	1.6	2.7	8.7	10	0.1	0.6	0.2	38	0.08	0.030
22839	Soil				0.3	9.4	32.5	40	<0.1	5.7	3.6	199	1.13	3.0	0.9	0.8	14.2	4	0.1	0.3	0.5	13	0.04	0.027
22840	Soil				0.4	12.3	45.6	37	<0.1	6.5	3.0	133	0.96	2.7	1.2	3.5	17.8	6	0.2	0.4	<0.1	14	0.07	0.031
22841	Soil				0.9	17.6	18.7	33	0.2	10.7	4.7	132	1.77	5.4	2.6	6.0	10.6	16	<0.1	0.8	0.1	22	0.05	0.026
22842	Soil				0.5	23.2	72.1	115	<0.1	8.2	3.6	124	1.48	4.3	1.2	1.3	10.3	8	0.4	0.5	0.5	16	0.04	0.021
22843	Soil				0.5	29.9	18.4	63	<0.1	11.3	6.4	202	2.00	4.5	1.7	2.2	14.8	7	0.2	0.7	0.3	23	0.05	0.012
22844	Soil				0.6	17.1	18.5	48	<0.1	7.7	3.7	165	1.50	3.6	0.8	1.4	10.8	6	<0.1	0.4	0.3	19	0.04	0.016
22526	Soil				0.8	6.5	13.6	65	0.1	8.7	4.8	292	1.70	4.2	0.7	1.3	6.5	6	0.1	0.5	0.1	30	0.05	0.032
22527	Soil				0.3	4.9	16.8	15	<0.1	4.0	2.1	72	0.69	1.8	0.5	4.7	12.7	6	<0.1	0.2	<0.1	7	0.09	0.031
22528	Soil				0.9	6.8	8.1	10	0.1	2.9	2.7	105	0.94	3.1	1.1	0.6	6.6	5	<0.1	0.3	0.3	15	0.02	0.011
22529	Soil				0.7	21.9	28.6	58	0.2	11.0	5.5	160	1.77	4.6	1.0	0.9	11.7	7	0.1	0.4	0.3	24	0.05	0.009



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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
22129	Soil	24	37	1.49	99	0.008	<1	2.00	0.002	0.04	<0.1	0.02	6.2	<0.1	<0.05	6	<0.5	<0.2
22130	Soil	6	17	1.50	110	0.006	<1	2.20	0.004	0.04	<0.1	0.02	6.3	<0.1	<0.05	6	<0.5	<0.2
22131	Soil	8	32	1.66	119	0.007	<1	2.35	0.007	0.03	<0.1	0.02	8.0	<0.1	<0.05	6	<0.5	<0.2
22132	Soil	10	23	0.84	290	0.049	<1	1.43	0.007	0.06	0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
22133	Soil	5	23	0.92	68	0.097	<1	1.40	0.004	0.04	0.1	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
22134	Soil	8	17	0.70	231	0.075	<1	1.11	0.004	0.28	<0.1	<0.01	2.7	0.2	<0.05	4	<0.5	<0.2
22135	Soil	28	30	1.03	149	0.082	<1	1.11	0.003	0.45	<0.1	<0.01	2.2	0.3	<0.05	3	<0.5	<0.2
22826	Soil	26	12	0.20	166	0.027	<1	0.62	0.004	0.09	<0.1	<0.01	1.6	0.1	<0.05	2	<0.5	<0.2
22827	Soil	40	16	0.29	246	0.037	1	0.87	0.008	0.09	0.2	0.03	2.6	0.1	<0.05	3	<0.5	<0.2
22828	Soil	12	23	0.27	75	0.032	<1	0.85	0.005	0.08	0.1	<0.01	1.9	0.1	<0.05	3	<0.5	<0.2
22829	Soil	11	12	0.16	111	0.023	<1	0.79	0.003	0.07	0.1	<0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
22830	Soil	6	3	0.04	37	0.011	<1	0.27	0.003	0.06	<0.1	<0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
22831	Soil	18	17	0.35	221	0.036	<1	1.27	0.004	0.07	<0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
22832	Soil	11	12	0.48	284	0.049	2	1.16	0.004	0.11	0.1	0.01	1.9	0.2	<0.05	3	<0.5	<0.2
22833	Soil	55	6	0.83	170	0.103	<1	1.09	0.003	0.10	<0.1	0.01	1.8	0.2	<0.05	4	<0.5	<0.2
22834	Soil	17	9	0.20	231	0.018	<1	0.72	0.002	0.06	<0.1	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
22835	Soil	19	8	0.36	129	0.045	<1	0.81	0.003	0.08	<0.1	<0.01	1.0	0.1	<0.05	3	<0.5	<0.2
22836	Soil	4	133	1.26	82	0.101	<1	1.27	0.002	0.02	<0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
22837	Soil	12	21	0.65	172	0.047	<1	1.34	0.005	0.04	0.1	0.01	2.0	0.2	<0.05	4	<0.5	<0.2
22838	Soil	24	22	0.37	305	0.046	<1	1.37	0.007	0.05	0.1	0.03	3.2	0.1	<0.05	4	<0.5	<0.2
22839	Soil	30	8	0.39	143	0.029	<1	0.90	0.003	0.06	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
22840	Soil	32	9	0.26	240	0.037	<1	0.72	0.003	0.08	<0.1	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
22841	Soil	26	15	0.28	406	0.031	<1	0.94	0.013	0.06	0.1	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
22842	Soil	38	11	0.29	306	0.027	<1	0.88	0.007	0.07	<0.1	0.01	1.8	<0.1	<0.05	2	<0.5	<0.2
22843	Soil	48	17	0.61	342	0.029	<1	1.21	0.004	0.06	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
22844	Soil	27	13	0.39	254	0.029	<1	0.98	0.004	0.07	<0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
22526	Soil	9	16	0.29	243	0.041	<1	1.01	0.005	0.12	<0.1	0.01	2.0	0.1	<0.05	3	<0.5	<0.2
22527	Soil	13	5	0.23	126	0.026	<1	0.44	0.002	0.10	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
22528	Soil	6	7	0.08	357	0.016	<1	0.51	0.003	0.05	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
22529	Soil	20	16	0.58	278	0.055	<1	1.25	0.005	0.06	<0.1	0.02	2.2	<0.1	<0.05	4	<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
22530	Soil	0.7	22.2	29.4	55	0.1	13.3	7.9	201	2.08	8.6	0.9	2.0	9.9	15	0.2	0.5	0.2	29	0.13	0.047
22531	Soil	0.8	18.1	31.5	40	0.2	12.4	5.7	139	1.86	5.7	0.9	2.4	8.3	18	<0.1	0.9	0.1	30	0.14	0.032
22532	Soil	0.8	15.2	33.3	63	0.2	9.6	4.9	199	1.62	3.7	1.3	1.9	8.8	14	0.2	0.4	0.3	21	0.12	0.032
22533	Soil	0.8	24.1	70.3	97	0.3	8.3	4.7	166	1.47	4.5	1.4	1.7	10.9	14	0.3	0.4	0.3	18	0.13	0.027
22534	Soil	0.2	9.7	36.3	33	<0.1	3.8	2.8	66	0.84	2.2	1.2	1.5	17.9	8	0.2	0.3	0.2	7	0.06	0.029
22535	Soil	0.5	10.4	32.8	33	0.1	8.7	3.4	91	1.19	4.4	0.9	1.4	11.7	7	<0.1	0.3	0.2	23	0.05	0.009
22536	Soil	0.3	19.1	8.6	57	<0.1	15.8	8.4	252	2.29	10.4	0.9	2.1	4.8	20	<0.1	0.4	0.1	40	0.28	0.059
22745	Soil	0.3	13.8	12.5	30	<0.1	9.3	3.2	119	1.06	2.4	1.3	1.4	12.4	14	<0.1	0.5	0.1	14	0.11	0.013
22746	Soil	0.6	26.6	14.5	38	<0.1	18.3	6.8	208	1.74	7.3	1.7	3.5	8.1	20	<0.1	0.6	0.2	34	0.16	0.025
22747	Soil	0.4	41.9	39.0	257	0.1	52.8	18.2	666	3.64	2.2	2.0	2.6	9.2	37	0.4	0.7	0.2	63	0.62	0.138
22748	Soil	1.4	17.8	18.2	56	0.1	18.2	12.5	2430	2.80	11.3	5.6	2.9	5.9	81	0.3	0.5	0.2	33	0.50	0.061
22749	Soil	0.6	18.0	15.9	63	0.1	16.3	7.9	211	1.93	6.3	3.6	4.8	5.5	66	0.3	0.5	0.2	32	0.45	0.064
22750	Soil	0.8	16.0	14.3	61	<0.1	17.3	11.1	849	2.32	6.4	2.4	2.0	5.2	53	0.3	0.6	0.2	35	0.44	0.061
22751	Soil	0.8	21.0	11.5	63	<0.1	19.3	8.1	267	2.07	7.3	1.0	1.5	3.3	32	0.2	0.7	0.2	44	0.46	0.066
22752	Soil	0.9	32.2	12.0	74	0.1	29.2	10.8	408	2.45	10.5	0.6	1.8	4.3	41	0.4	1.0	0.2	50	1.19	0.063
22753	Soil	0.9	25.3	10.2	59	<0.1	25.3	7.7	227	2.11	7.9	0.6	1.7	4.8	26	0.1	0.8	0.2	45	0.36	0.069
22754	Soil	1.0	29.2	11.4	70	0.1	24.6	8.6	288	2.34	9.4	0.6	1.9	4.0	30	0.3	0.9	0.2	47	0.39	0.067
22755	Soil	2.1	14.2	22.0	60	0.1	13.7	19.5	1886	4.81	20.5	3.1	1.5	4.6	33	0.4	0.5	0.2	36	0.45	0.065
22677	Soil	0.6	11.3	25.3	72	<0.1	8.0	4.9	117	1.24	3.4	0.9	1.6	10.2	7	0.3	0.4	0.1	15	0.05	0.016
22678	Soil	1.1	16.1	33.9	41	0.1	12.6	5.7	170	1.65	7.7	0.6	1.3	5.1	7	<0.1	0.8	0.2	28	0.05	0.013
22679	Soil	0.9	12.8	16.6	37	<0.1	6.7	3.6	133	1.40	3.7	0.7	<0.5	7.4	7	0.1	0.3	0.2	20	0.07	0.019
22680	Soil	0.8	20.7	20.3	49	<0.1	14.0	5.2	170	1.73	5.6	1.5	1.9	9.6	18	<0.1	0.5	0.2	26	0.24	0.033
22681	Soil	0.5	5.7	17.1	19	<0.1	4.2	3.0	168	0.73	2.2	0.7	1.0	6.3	11	<0.1	0.3	0.1	10	0.12	0.031
22682	Soil	0.4	10.5	18.5	41	<0.1	7.9	4.5	123	1.36	5.0	0.9	1.2	10.9	10	<0.1	0.5	0.1	16	0.12	0.030
22683	Soil	0.6	11.6	27.6	38	<0.1	6.4	5.5	134	1.35	4.5	1.0	0.8	13.1	8	0.1	0.5	0.1	12	0.09	0.033
22684	Soil	0.7	15.8	28.7	45	0.2	17.5	7.1	230	1.96	9.0	1.3	1.5	6.3	22	0.2	0.3	0.2	34	0.19	0.043
22685	Soil	0.6	23.2	12.6	59	<0.1	17.3	8.3	215	2.33	20.7	0.9	2.4	5.5	13	<0.1	0.5	0.1	38	0.17	0.024
22686	Soil	0.7	20.7	8.2	48	0.1	20.2	8.8	203	2.31	9.9	0.6	1.9	4.0	13	<0.1	0.5	0.1	43	0.13	0.012
22687	Soil	0.6	14.6	15.7	49	0.2	11.5	5.2	144	1.87	75.2	0.7	16.7	8.5	6	0.1	0.4	0.1	22	0.05	0.012
22688	Soil	1.0	14.3	18.9	43	0.4	12.7	9.7	416	2.15	53.5	0.8	3.8	4.8	14	0.1	0.5	0.2	41	0.15	0.031



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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
22530	Soil	14	18	0.42	261	0.060	1	1.02	0.005	0.11	0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
22531	Soil	20	17	0.33	389	0.049	<1	0.93	0.013	0.06	0.2	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
22532	Soil	25	13	0.46	449	0.051	<1	0.85	0.004	0.07	0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
22533	Soil	23	11	0.40	307	0.047	<1	0.77	0.004	0.07	0.1	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
22534	Soil	48	5	0.16	125	0.010	<1	0.44	0.003	0.07	<0.1	0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
22535	Soil	15	14	0.25	147	0.032	<1	0.76	0.003	0.06	<0.1	0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
22536	Soil	14	68	0.99	216	0.041	<1	1.27	0.004	0.04	<0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
22745	Soil	29	10	0.26	200	0.034	<1	0.56	0.005	0.08	<0.1	0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
22746	Soil	20	20	0.30	615	0.051	<1	0.91	0.009	0.06	0.2	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
22747	Soil	34	44	1.74	1215	0.109	<1	2.00	0.006	0.42	<0.1	0.04	8.1	0.3	<0.05	7	<0.5	<0.2
22748	Soil	24	20	0.39	680	0.042	1	0.95	0.011	0.07	0.2	0.04	2.5	<0.1	<0.05	3	1.2	<0.2
22749	Soil	20	19	0.40	415	0.047	1	0.86	0.011	0.06	0.2	0.03	2.4	<0.1	<0.05	3	0.7	<0.2
22750	Soil	19	20	0.38	428	0.044	<1	0.82	0.011	0.05	0.2	0.03	2.5	<0.1	<0.05	3	0.7	<0.2
22751	Soil	15	25	0.43	339	0.054	1	1.07	0.014	0.05	0.2	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
22752	Soil	15	28	0.58	376	0.068	3	1.07	0.018	0.08	0.3	0.03	3.4	<0.1	<0.05	3	0.5	<0.2
22753	Soil	15	26	0.43	326	0.062	1	0.94	0.016	0.05	0.3	0.03	3.3	<0.1	<0.05	3	0.5	<0.2
22754	Soil	14	26	0.50	328	0.059	1	1.09	0.015	0.06	0.3	0.03	3.1	<0.1	<0.05	3	0.6	<0.2
22755	Soil	33	20	0.38	801	0.022	1	0.98	0.009	0.05	0.2	0.03	2.3	<0.1	<0.05	3	0.6	<0.2
22677	Soil	31	11	0.25	360	0.023	<1	0.71	0.003	0.07	<0.1	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
22678	Soil	10	18	0.24	239	0.027	<1	1.08	0.006	0.06	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
22679	Soil	13	12	0.34	346	0.028	<1	0.81	0.010	0.06	0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
22680	Soil	27	18	0.40	471	0.041	<1	0.91	0.006	0.06	0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
22681	Soil	12	6	0.11	219	0.010	<1	0.37	0.002	0.06	0.1	0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
22682	Soil	31	11	0.32	248	0.022	<1	0.75	0.004	0.07	<0.1	<0.01	1.8	<0.1	<0.05	2	<0.5	<0.2
22683	Soil	29	11	0.33	129	0.024	<1	0.67	0.002	0.07	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
22684	Soil	30	30	0.67	418	0.012	1	1.22	0.005	0.09	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
22685	Soil	17	33	0.73	274	0.043	<1	1.36	0.005	0.05	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
22686	Soil	13	58	0.69	228	0.059	<1	1.48	0.007	0.05	0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
22687	Soil	22	24	0.60	133	0.026	<1	1.24	0.003	0.06	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
22688	Soil	16	17	0.35	280	0.036	<1	1.00	0.008	0.11	0.2	0.02	2.5	<0.1	<0.05	4	<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
22714	Soil	0.2	13.2	13.5	33	<0.1	6.8	4.2	194	1.30	1.2	1.7	<0.5	16.5	18	<0.1	0.1	0.1	18	0.21	0.056
22715	Soil	0.4	6.7	15.7	27	<0.1	5.1	2.7	104	0.76	2.5	1.2	<0.5	8.8	8	<0.1	0.2	0.2	12	0.11	0.028
22716	Soil	1.0	21.1	14.7	43	<0.1	15.6	6.2	210	1.94	6.0	1.6	1.3	9.5	24	<0.1	0.5	0.2	34	0.24	0.033
22717	Soil	1.0	20.2	12.8	22	<0.1	7.8	4.2	212	1.29	7.0	2.4	3.2	15.4	12	0.1	0.5	0.3	15	0.13	0.040
22718	Soil	0.9	17.8	21.3	38	<0.1	11.3	4.8	177	1.32	4.4	2.6	<0.5	12.0	19	0.1	0.5	0.3	21	0.18	0.028
22719	Soil	0.3	11.1	14.2	32	0.2	10.2	4.0	110	1.32	4.2	1.4	4.5	7.9	14	<0.1	0.4	0.2	21	0.14	0.018
22720	Soil	0.3	6.1	9.4	21	<0.1	6.3	2.9	103	0.92	3.3	0.7	<0.5	6.1	8	<0.1	0.3	0.2	15	0.05	0.014
22721	Soil	0.4	12.8	12.5	30	<0.1	10.5	4.0	139	1.21	4.2	1.7	1.5	9.2	12	<0.1	0.4	0.2	22	0.09	0.010
22722	Soil	0.4	11.5	12.9	34	<0.1	11.4	4.5	123	1.42	4.3	1.0	1.7	7.0	12	<0.1	0.5	0.1	23	0.11	0.013
22723	Soil	1.0	23.5	8.5	34	<0.1	16.6	7.2	179	1.72	4.6	1.5	2.8	8.1	14	<0.1	0.6	<0.1	26	0.13	0.016
22724	Soil	0.7	12.1	11.2	34	<0.1	13.7	4.8	126	1.64	5.5	0.8	0.9	4.7	12	<0.1	0.4	0.1	31	0.12	0.019
22725	Soil	0.5	18.3	12.9	36	<0.1	18.3	4.6	141	1.46	5.4	1.7	2.7	12.3	11	<0.1	0.5	0.2	18	0.10	0.014
22767	Soil	1.3	7.2	25.4	30	<0.1	5.6	4.3	152	1.29	4.4	1.6	2.4	13.5	8	0.2	0.3	0.2	8	0.13	0.043
22768	Soil	0.4	8.7	26.8	47	<0.1	2.7	2.7	143	0.94	1.6	1.5	0.7	22.1	15	0.1	0.1	0.2	2	0.09	0.037
22769	Soil	0.6	9.0	19.8	31	<0.1	6.0	3.5	93	1.22	4.0	0.9	0.6	9.9	9	<0.1	0.3	0.2	14	0.09	0.020
22770	Soil	0.7	12.0	26.3	33	0.2	8.6	3.9	103	1.42	5.2	0.9	7.1	9.2	14	<0.1	0.3	0.2	22	0.13	0.022
22771	Soil	0.9	12.6	30.5	45	0.3	10.3	5.5	239	1.82	5.1	1.2	1.1	7.0	17	0.2	0.4	0.2	25	0.19	0.045
22772	Soil	0.4	13.7	27.1	47	0.2	9.3	5.0	149	1.25	3.1	1.3	1.5	6.3	18	0.3	0.3	0.2	20	0.19	0.041
22773	Soil	0.7	14.2	24.1	47	0.2	10.3	5.2	196	1.80	8.2	1.2	2.4	8.0	18	0.2	0.4	0.2	29	0.20	0.053
22774	Soil	0.6	11.7	24.7	43	0.2	9.2	5.5	102	0.84	2.8	3.7	1.0	5.6	23	0.3	0.3	0.1	19	0.26	0.045
22775	Soil	0.3	10.6	16.0	41	<0.1	9.4	3.3	105	1.41	2.5	1.0	3.0	4.5	16	0.2	0.3	0.1	22	0.18	0.042
22776	Soil	0.9	14.4	9.6	55	<0.1	15.3	5.2	244	1.66	5.4	0.8	0.8	2.4	27	0.3	0.4	0.1	36	0.31	0.059
22777	Soil	0.9	15.5	10.8	57	0.1	17.3	8.7	327	2.01	6.9	0.8	1.6	2.9	25	0.1	0.6	0.2	42	0.33	0.062
22778	Soil	1.0	23.6	13.9	60	0.1	19.6	9.8	417	2.28	8.7	1.1	2.1	3.7	30	0.2	0.8	0.2	42	0.40	0.061
22779	Soil	1.4	28.6	14.2	72	0.1	23.5	14.9	973	2.51	9.9	1.3	2.5	4.5	34	0.3	1.0	0.2	44	0.46	0.066
22780	Soil	1.0	19.8	11.7	68	<0.1	18.7	9.6	470	2.19	8.2	1.0	2.1	3.3	32	0.2	0.7	0.2	43	0.45	0.060
22781	Soil	0.8	20.7	11.3	53	<0.1	17.9	7.6	347	1.90	6.0	2.0	2.1	2.5	40	0.2	0.6	0.2	37	0.61	0.067
22782	Soil	0.7	16.5	12.6	52	<0.1	13.1	7.0	292	1.93	6.9	1.1	3.4	4.9	24	<0.1	0.6	0.2	34	0.33	0.062
22783	Soil	0.9	26.4	13.8	65	0.1	21.4	8.5	414	2.27	8.2	1.1	2.0	3.7	35	0.3	0.7	0.2	39	0.47	0.062
22784	Soil	0.8	20.0	11.9	59	<0.1	16.7	7.0	204	1.96	8.0	1.0	1.4	4.8	28	0.1	0.8	0.2	37	0.42	0.070



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22714	Soil	32	14	0.49	121	0.070	<1	0.67	0.003	0.40	<0.1	<0.01	1.6	0.4	<0.05	3	<0.5	<0.2
22715	Soil	22	7	0.21	366	0.022	<1	0.45	0.003	0.05	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
22716	Soil	25	22	0.40	527	0.047	<1	1.05	0.009	0.08	0.2	0.02	3.7	<0.1	<0.05	3	<0.5	<0.2
22717	Soil	44	10	0.15	441	0.023	<1	0.59	0.009	0.10	<0.1	<0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
22718	Soil	36	18	0.31	505	0.038	<1	0.78	0.004	0.12	0.1	0.01	2.8	0.1	<0.05	2	<0.5	<0.2
22719	Soil	21	13	0.25	351	0.029	<1	0.80	0.006	0.07	<0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
22720	Soil	14	9	0.15	131	0.021	<1	0.61	0.003	0.07	0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
22721	Soil	21	15	0.21	274	0.029	<1	0.77	0.009	0.08	0.1	0.02	3.0	<0.1	<0.05	2	<0.5	<0.2
22722	Soil	18	15	0.27	228	0.033	<1	0.94	0.005	0.08	0.1	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
22723	Soil	24	19	0.35	374	0.038	<1	1.00	0.006	0.07	<0.1	0.03	4.4	<0.1	<0.05	3	<0.5	<0.2
22724	Soil	11	19	0.31	273	0.041	<1	1.08	0.007	0.07	0.2	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
22725	Soil	33	15	0.32	376	0.033	<1	0.77	0.005	0.09	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
22767	Soil	25	5	0.07	129	0.004	<1	0.35	0.002	0.07	<0.1	<0.01	1.6	0.1	<0.05	1	<0.5	<0.2
22768	Soil	75	2	0.35	104	0.028	<1	0.45	0.001	0.18	<0.1	<0.01	0.8	0.2	<0.05	2	<0.5	<0.2
22769	Soil	26	10	0.22	177	0.020	<1	0.60	0.003	0.06	<0.1	0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
22770	Soil	30	14	0.29	263	0.028	<1	0.81	0.005	0.06	0.1	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
22771	Soil	33	15	0.37	503	0.026	<1	0.96	0.007	0.07	0.2	0.03	2.1	0.1	<0.05	3	<0.5	<0.2
22772	Soil	36	14	0.34	530	0.030	<1	0.89	0.007	0.07	0.2	0.03	2.0	0.1	<0.05	3	<0.5	<0.2
22773	Soil	31	18	0.36	489	0.032	<1	0.97	0.007	0.07	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
22774	Soil	32	14	0.33	513	0.026	<1	0.73	0.005	0.06	0.2	0.02	1.5	<0.1	0.05	2	<0.5	<0.2
22775	Soil	20	15	0.29	299	0.038	<1	0.79	0.009	0.05	0.3	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
22776	Soil	14	20	0.38	392	0.039	<1	1.08	0.015	0.05	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
22777	Soil	13	24	0.44	295	0.040	<1	1.19	0.012	0.05	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
22778	Soil	16	23	0.44	424	0.039	1	1.24	0.015	0.05	0.2	0.04	3.0	<0.1	<0.05	4	0.6	0.2
22779	Soil	16	25	0.49	474	0.051	2	1.27	0.017	0.06	0.2	0.04	3.4	<0.1	<0.05	3	0.6	0.3
22780	Soil	13	24	0.47	387	0.043	2	1.16	0.015	0.05	0.2	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
22781	Soil	13	21	0.40	361	0.034	1	1.12	0.014	0.04	0.3	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
22782	Soil	15	19	0.40	399	0.042	1	1.01	0.013	0.04	0.4	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
22783	Soil	15	22	0.45	454	0.043	1	1.17	0.015	0.05	0.2	0.05	3.0	<0.1	<0.05	4	<0.5	<0.2
22784	Soil	16	20	0.44	353	0.049	1	1.02	0.017	0.04	0.3	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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
22726	Soil	0.8	6.7	17.5	28	<0.1	6.4	2.8	180	1.52	3.9	0.8	0.7	3.3	8	0.1	0.2	0.2	25	0.07
22727	Soil	0.9	32.1	4.1	67	<0.1	18.9	10.6	387	2.81	7.8	0.5	0.5	1.9	14	<0.1	0.3	<0.1	40	0.21
22728	Soil	1.0	27.4	6.6	60	0.2	16.9	7.8	346	2.76	5.2	0.6	1.7	2.8	10	<0.1	0.3	<0.1	43	0.10
22729	Soil	0.7	18.2	19.8	60	0.1	13.1	6.4	256	2.33	4.4	1.1	2.2	8.0	8	0.1	0.4	0.2	39	0.06
22730	Soil	0.4	23.3	14.1	52	<0.1	13.6	6.5	212	1.95	3.3	1.2	2.5	9.2	8	0.2	0.4	0.2	32	0.06
22731	Soil	0.5	1.8	5.2	8	<0.1	1.7	0.9	30	0.65	1.5	0.7	<0.5	5.8	4	<0.1	0.2	0.2	9	0.03
22732	Soil	0.7	10.7	23.5	30	<0.1	7.3	4.0	103	1.24	3.4	1.3	<0.5	14.4	5	<0.1	0.3	0.3	13	0.03
22733	Soil	0.9	24.9	46.3	64	0.2	12.8	6.6	213	1.93	6.0	0.8	0.9	11.3	5	0.1	0.5	0.3	21	0.04
22734	Soil	0.5	13.7	23.5	53	0.1	8.7	6.1	160	1.71	3.5	1.0	<0.5	13.8	3	<0.1	0.4	0.2	13	0.03
22735	Soil	1.0	74.7	26.8	86	0.2	22.6	9.0	235	2.63	6.7	1.0	1.3	12.6	8	0.2	0.5	0.3	37	0.05
22736	Soil	1.2	38.2	76.4	87	0.2	6.5	4.4	256	2.29	3.3	1.7	<0.5	17.5	7	0.3	0.4	1.1	15	0.03
22737	Soil	0.6	16.1	22.0	47	<0.1	11.8	7.3	181	1.53	5.8	0.6	1.1	14.2	6	<0.1	0.4	0.2	19	0.05
22738	Soil	0.4	29.3	17.7	58	0.1	7.5	4.9	154	1.68	3.3	1.4	1.4	17.4	8	0.1	0.4	0.2	18	0.04
22739	Soil	0.2	29.3	3.1	59	<0.1	29.6	17.2	312	2.69	2.7	0.6	0.7	3.2	16	0.1	0.2	<0.1	57	0.33
22740	Soil	0.5	12.6	20.5	45	<0.1	8.4	5.0	181	1.62	4.1	1.0	0.6	10.9	9	<0.1	0.4	0.2	25	0.09
22741	Soil	0.5	10.5	17.5	41	<0.1	7.1	4.7	195	1.35	2.0	1.2	<0.5	15.3	13	0.1	0.4	0.2	14	0.12
22742	Soil	1.3	8.9	15.5	24	<0.1	6.0	3.4	136	1.56	3.0	1.7	0.7	15.3	9	<0.1	0.7	0.6	15	0.04
22743	Soil	1.0	9.2	17.4	23	<0.1	5.0	2.8	138	1.18	2.3	1.2	<0.5	15.0	7	0.1	0.7	0.3	10	0.07
22744	Soil	1.0	11.0	21.7	24	<0.1	5.2	2.4	104	1.02	3.0	1.2	1.2	9.6	8	0.1	0.5	0.3	19	0.07
22459	Soil	0.9	9.2	14.7	51	<0.1	5.4	3.6	151	1.28	2.3	1.2	<0.5	7.7	9	<0.1	0.1	0.3	10	0.12
22460	Soil	0.7	14.5	40.7	64	0.2	6.0	6.1	315	1.37	4.0	1.4	1.3	15.0	16	0.3	0.2	0.2	10	0.20
22461	Soil	1.0	7.7	18.0	47	0.3	5.0	2.2	91	1.20	2.4	1.0	1.9	7.5	10	0.1	0.2	0.2	10	0.09
22462	Soil	0.6	9.2	39.7	35	0.2	4.6	2.9	117	1.04	3.7	1.8	2.8	7.9	11	0.2	0.4	0.2	13	0.06
22463	Soil	0.8	54.3	57.5	82	0.2	13.8	12.6	439	2.35	4.4	1.4	6.3	10.3	7	0.6	0.4	0.2	34	0.08
22464	Soil	0.6	8.8	10.1	41	<0.1	9.7	5.5	225	1.65	5.0	1.0	<0.5	12.9	5	0.1	0.1	<0.1	20	0.05
22465	Soil	0.8	8.4	13.6	33	<0.1	5.1	3.2	146	1.58	17.0	0.7	<0.5	4.4	13	0.1	0.4	0.2	20	0.08
22466	Soil	0.6	9.3	7.7	49	<0.1	9.2	5.4	215	2.18	7.6	0.4	0.9	2.1	9	0.1	0.4	0.1	37	0.09
22467	Soil	0.7	19.4	16.7	47	0.1	18.2	7.8	187	2.35	9.7	1.1	4.6	7.1	11	0.2	0.7	0.2	43	0.08
22468	Soil	0.5	22.7	22.6	57	<0.1	13.6	6.8	261	2.13	9.0	1.6	0.9	13.4	8	0.2	0.3	0.2	31	0.10
22469	Soil	0.9	30.0	18.2	62	0.5	19.2	8.8	251	2.46	9.5	1.0	7.0	6.2	18	<0.1	0.9	0.2	38	0.14



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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
22726	Soil	13	13	0.22	140	0.041	<1	0.84	0.005	0.14	<0.1	0.01	1.8	0.2	<0.05	4	<0.5
22727	Soil	7	21	0.77	118	0.076	<1	1.26	0.006	0.05	<0.1	<0.01	3.1	<0.1	<0.05	4	0.5
22728	Soil	8	25	0.72	114	0.109	<1	1.41	0.004	0.03	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5
22729	Soil	17	19	0.62	135	0.064	<1	1.30	0.005	0.07	<0.1	<0.01	3.5	<0.1	<0.05	4	<0.5
22730	Soil	26	18	0.70	167	0.054	<1	1.24	0.004	0.09	<0.1	0.01	3.4	0.1	<0.05	4	<0.5
22731	Soil	9	4	0.09	303	0.009	<1	0.42	0.003	0.06	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5
22732	Soil	10	9	0.23	127	0.017	<1	0.78	0.003	0.10	<0.1	<0.01	2.2	0.1	<0.05	2	<0.5
22733	Soil	6	16	0.50	217	0.037	<1	1.49	0.006	0.10	<0.1	0.02	2.4	0.1	<0.05	4	<0.5
22734	Soil	11	11	0.43	109	0.021	<1	1.11	0.003	0.09	<0.1	<0.01	2.3	0.1	<0.05	3	<0.5
22735	Soil	17	30	0.77	358	0.050	<1	1.90	0.008	0.09	0.1	0.02	3.3	0.1	<0.05	5	<0.5
22736	Soil	40	11	1.09	160	0.029	<1	1.53	0.004	0.08	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5
22737	Soil	9	13	0.37	243	0.042	<1	1.25	0.004	0.12	<0.1	<0.01	1.6	0.1	<0.05	3	<0.5
22738	Soil	56	14	0.64	397	0.024	<1	1.19	0.006	0.07	<0.1	0.01	3.6	<0.1	<0.05	3	<0.5
22739	Soil	12	66	1.31	237	0.192	<1	1.59	0.008	0.21	<0.1	0.01	2.1	0.1	<0.05	5	<0.5
22740	Soil	9	14	0.45	114	0.056	<1	1.03	0.008	0.12	0.1	0.01	2.2	0.1	<0.05	4	<0.5
22741	Soil	27	10	0.39	150	0.056	<1	0.72	0.004	0.21	<0.1	<0.01	1.9	0.2	<0.05	3	<0.5
22742	Soil	22	9	0.28	279	0.033	<1	0.82	0.005	0.12	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5
22743	Soil	25	7	0.10	201	0.013	<1	0.45	0.004	0.07	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5
22744	Soil	31	10	0.14	414	0.025	<1	0.62	0.004	0.08	<0.1	0.01	1.5	<0.1	<0.05	2	<0.5
22459	Soil	10	7	0.65	88	0.021	<1	0.78	0.003	0.07	<0.1	<0.01	1.0	0.1	<0.05	3	<0.5
22460	Soil	31	8	0.36	287	0.037	<1	0.59	0.002	0.11	<0.1	<0.01	1.5	0.2	<0.05	2	<0.5
22461	Soil	36	6	0.37	196	0.015	<1	0.60	0.003	0.05	<0.1	0.02	0.9	0.1	<0.05	3	<0.5
22462	Soil	49	7	0.23	253	0.022	1	0.69	0.004	0.08	<0.1	0.02	1.0	0.1	<0.05	2	<0.5
22463	Soil	35	24	1.32	216	0.021	<1	1.60	0.004	0.05	<0.1	0.04	4.3	<0.1	<0.05	4	<0.5
22464	Soil	5	8	0.63	72	0.089	<1	1.01	0.002	0.14	<0.1	<0.01	3.1	0.1	<0.05	3	<0.5
22465	Soil	6	9	0.29	102	0.048	<1	1.11	0.003	0.05	<0.1	0.01	1.8	0.1	<0.05	3	<0.5
22466	Soil	5	22	0.42	77	0.106	<1	1.21	0.003	0.11	0.1	0.01	1.7	0.1	<0.05	4	<0.5
22467	Soil	14	29	0.44	175	0.053	<1	1.72	0.007	0.04	0.1	0.04	3.4	<0.1	<0.05	4	<0.5
22468	Soil	28	16	0.74	129	0.081	<1	1.24	0.003	0.09	<0.1	0.01	3.4	0.1	<0.05	4	<0.5
22469	Soil	19	28	0.67	212	0.056	<1	1.32	0.008	0.04	0.1	0.07	3.8	<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			
					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
22470	Soil																							
22471	Soil																							
22472	Soil																							
22473	Soil																							
22474	Soil																							
22656	Soil																							
22657	Soil																							
22658	Soil																							
22659	Soil																							
22660	Soil																							
22661	Soil																							
22662	Soil																							
22663	Soil																							
22664	Soil																							
22665	Soil																							
22666	Soil																							
22667	Soil																							
22668	Soil																							
22669	Soil																							
22670	Soil																							
22671	Soil																							
22672	Soil																							
22756	Soil																							
22757	Soil																							
22758	Soil																							
22759	Soil																							
22760	Soil																							
22761	Soil																							
22762	Soil																							
22763	Soil																							



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Part 2

CERTIFICATE OF ANALYSIS

WHI10000546.1

	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
22470	Soil	18	28	0.54	241	0.036	2	1.37	0.006	0.05	0.1	0.03	3.0	0.1	<0.05	4	<0.5	<0.2
22471	Soil	16	14	0.42	264	0.150	1	0.97	0.006	0.10	<0.1	0.02	1.8	<0.1	0.14	3	<0.5	<0.2
22472	Soil	25	21	0.76	183	0.030	<1	1.42	0.003	0.04	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
22473	Soil	16	30	0.80	163	0.042	1	1.32	0.007	0.04	<0.1	0.27	2.4	<0.1	<0.05	4	0.5	<0.2
22474	Soil	10	23	0.47	213	0.071	2	1.54	0.005	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
22656	Soil	30	10	0.19	340	0.033	<1	0.63	0.002	0.09	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
22657	Soil	33	18	0.33	732	0.041	<1	0.88	0.006	0.07	0.1	0.02	3.6	<0.1	<0.05	2	<0.5	<0.2
22658	Soil	30	6	0.18	175	0.022	<1	0.46	0.002	0.10	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
22659	Soil	17	19	0.28	410	0.042	<1	0.81	0.008	0.05	0.2	0.02	2.5	<0.1	<0.05	2	<0.5	<0.2
22660	Soil	30	8	0.13	820	0.020	<1	0.47	0.004	0.07	<0.1	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
22661	Soil	27	5	0.10	133	0.018	<1	0.32	0.002	0.07	<0.1	<0.01	1.4	<0.1	<0.05	1	<0.5	<0.2
22662	Soil	29	17	0.23	498	0.034	<1	0.94	0.007	0.06	0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
22663	Soil	42	4	0.07	246	0.010	<1	0.29	0.002	0.08	<0.1	<0.01	1.4	<0.1	<0.05	1	<0.5	<0.2
22664	Soil	18	24	0.45	450	0.049	1	1.20	0.015	0.06	0.2	0.04	3.5	<0.1	<0.05	3	<0.5	<0.2
22665	Soil	9	48	0.65	170	0.047	<1	0.86	0.005	0.04	0.2	0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
22666	Soil	18	21	0.33	414	0.033	<1	0.85	0.008	0.05	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
22667	Soil	27	16	0.39	616	0.028	<1	0.82	0.006	0.07	0.2	0.02	2.0	<0.1	0.10	2	<0.5	<0.2
22668	Soil	25	25	0.46	623	0.051	1	1.36	0.010	0.07	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
22669	Soil	39	12	0.25	476	0.027	<1	0.68	0.007	0.10	0.1	0.02	2.3	<0.1	<0.05	2	<0.5	<0.2
22670	Soil	17	28	0.53	356	0.061	<1	1.53	0.009	0.08	0.2	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
22671	Soil	17	6	0.19	148	0.015	<1	0.66	0.003	0.12	<0.1	<0.01	1.4	0.1	<0.05	2	<0.5	<0.2
22672	Soil	5	77	2.67	94	0.065	<1	2.34	0.002	0.04	0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
22756	Soil	39	26	0.60	1034	0.019	<1	1.17	0.008	0.06	0.1	0.04	3.0	<0.1	0.05	3	0.7	<0.2
22757	Soil	30	11	0.50	316	0.021	<1	0.82	0.005	0.09	<0.1	0.02	1.8	<0.1	<0.05	2	<0.5	<0.2
22758	Soil	44	12	0.22	636	0.013	<1	0.77	0.006	0.10	0.1	0.03	2.1	<0.1	<0.05	2	0.6	<0.2
22759	Soil	27	16	0.27	224	0.030	<1	0.80	0.004	0.07	0.1	0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
22760	Soil	29	7	0.24	187	0.014	<1	0.56	0.002	0.07	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
22761	Soil	17	9	0.15	171	0.019	<1	0.59	0.003	0.08	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
22762	Soil	17	7	0.12	138	0.015	<1	0.43	0.002	0.07	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
22763	Soil	41	39	0.72	573	0.029	<1	1.24	0.007	0.11	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2



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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
22764	Soil	1.5	30.4	23.9	78	0.2	25.2	15.9	932	3.23	20.9	1.8	2.9	6.3	36	0.4	0.3	0.2	57	0.67
22765	Soil	0.9	29.5	17.3	70	0.2	17.3	10.3	664	2.29	17.9	1.4	3.9	3.2	70	0.3	0.4	0.1	37	1.12
22766	Soil	0.6	24.1	17.7	75	0.3	17.8	10.1	317	2.43	14.5	1.2	1.6	4.9	48	0.2	0.3	0.1	36	0.79
22178	Soil	0.4	20.7	14.2	47	<0.1	12.1	6.5	144	1.67	4.1	1.1	0.8	11.6	15	<0.1	0.4	0.1	24	0.14
22179	Soil	0.9	28.2	9.3	51	<0.1	23.2	8.1	282	2.12	9.5	0.6	2.8	5.3	24	<0.1	0.8	0.1	40	0.31
22180	Soil	0.4	25.6	8.8	66	<0.1	36.6	14.6	509	2.90	4.7	0.5	1.7	4.1	26	0.2	0.4	0.1	61	0.46
22181	Soil	0.4	18.5	20.5	50	<0.1	15.8	7.1	222	1.68	3.4	1.1	3.6	13.2	21	<0.1	0.4	0.3	24	0.21
22182	Soil	0.5	20.1	18.3	47	<0.1	13.8	5.6	205	1.68	5.4	1.0	2.8	11.3	20	<0.1	0.5	0.2	30	0.21
22183	Soil	0.9	12.3	12.0	26	<0.1	7.1	3.3	102	1.15	3.1	1.0	0.7	10.3	8	<0.1	0.5	0.3	16	0.03
22184	Soil	0.7	16.0	12.7	39	<0.1	14.0	6.2	172	2.03	6.9	1.0	7.8	9.4	14	<0.1	0.6	0.2	37	0.10
22185	Soil	1.0	24.8	14.2	51	<0.1	20.2	7.2	251	2.22	8.3	0.9	2.7	7.2	27	0.1	0.8	0.2	42	0.28
22186	Soil	0.8	16.7	12.0	41	<0.1	13.6	6.0	182	1.90	6.4	1.0	6.4	5.8	21	0.1	0.6	0.2	37	0.23
22187	Soil	0.5	9.1	15.2	33	<0.1	8.3	4.2	148	1.40	2.3	2.2	1.1	11.2	11	<0.1	0.5	0.2	14	0.10
22188	Soil	0.3	18.7	15.0	45	<0.1	17.8	4.2	173	1.35	1.7	2.3	1.2	14.6	14	0.1	0.5	0.1	12	0.11
22189	Soil	0.4	9.8	12.1	28	<0.1	11.5	3.8	113	1.39	5.8	1.6	1.5	9.1	12	<0.1	0.5	0.1	19	0.09
22190	Soil	0.3	9.3	15.1	28	<0.1	9.0	3.4	97	1.24	2.1	1.3	1.3	9.8	14	<0.1	0.5	0.1	13	0.08
22191	Soil	0.3	5.3	10.3	19	<0.1	6.9	2.0	69	0.80	2.0	0.9	1.6	8.1	10	<0.1	0.3	0.1	12	0.07
22689	Soil	1.6	24.9	18.8	57	0.2	12.5	6.2	210	2.39	10.0	1.1	3.9	6.1	31	<0.1	0.6	0.2	34	0.09
22690	Soil	1.0	22.0	13.8	60	0.4	17.6	8.9	291	2.54	7.7	1.0	2.7	8.3	11	0.3	0.5	0.2	39	0.12
22691	Soil	0.7	35.7	12.0	81	0.3	22.1	8.2	229	2.68	19.5	1.1	4.7	4.1	17	0.3	0.4	0.2	52	0.15
22692	Soil	1.2	29.2	20.2	76	0.2	25.7	10.8	307	3.08	15.3	1.0	0.7	6.0	9	0.2	0.8	0.2	54	0.14
22693	Soil	0.7	24.9	7.6	70	0.3	16.1	7.0	333	2.51	19.5	0.9	0.7	4.6	15	0.1	0.3	<0.1	28	0.18
22694	Soil	1.1	14.8	16.7	77	1.0	19.8	9.3	321	2.78	10.5	0.6	1.0	4.8	12	0.3	0.7	0.2	56	0.11
22695	Soil	0.6	26.7	10.3	86	<0.1	20.8	8.9	241	2.84	27.0	0.9	0.9	3.1	23	0.2	0.4	<0.1	40	0.22
22696	Soil	0.7	27.7	12.5	83	0.1	23.5	11.4	336	2.86	10.0	1.0	3.4	5.2	16	0.3	0.5	0.2	51	0.23
22697	Soil	0.7	30.0	14.3	74	<0.1	22.3	11.6	266	2.76	17.6	1.5	1.4	4.1	18	0.3	0.3	0.1	58	0.23
22698	Soil	1.4	28.0	22.5	74	0.3	16.5	7.6	271	2.46	9.6	1.5	6.1	6.7	19	0.3	0.8	0.3	37	0.15
22699	Soil	1.8	25.0	25.6	82	0.5	11.9	5.7	195	2.21	6.4	1.1	4.8	4.8	13	0.3	0.5	0.3	31	0.13
22700	Soil	0.4	73.0	6.3	82	0.2	33.4	26.9	1139	4.12	4.3	0.3	4.2	1.3	12	0.3	0.3	<0.1	72	0.42
22701	Soil	0.5	44.9	8.7	80	0.2	20.4	20.4	978	4.00	2.9	0.2	3.3	2.0	20	0.2	0.1	<0.1	65	0.28



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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
22764	Soil	22	78	1.46	310	0.019	<1	1.77	0.006	0.06	<0.1	0.03	5.9	<0.1	<0.05	6	0.7	<0.2
22765	Soil	16	44	1.01	296	0.015	1	1.26	0.007	0.05	<0.1	0.02	3.4	<0.1	0.07	4	0.6	<0.2
22766	Soil	21	62	1.23	204	0.023	<1	1.39	0.005	0.04	<0.1	0.02	4.7	<0.1	<0.05	5	0.6	<0.2
22178	Soil	31	16	0.61	328	0.055	<1	1.02	0.007	0.07	<0.1	<0.01	3.4	<0.1	<0.05	3	<0.5	<0.2
22179	Soil	15	24	0.45	265	0.051	<1	1.01	0.014	0.06	0.2	0.03	3.1	<0.1	<0.05	3	<0.5	<0.2
22180	Soil	12	76	1.24	430	0.119	<1	1.57	0.008	0.50	0.2	0.01	4.4	0.2	<0.05	5	<0.5	<0.2
22181	Soil	17	20	0.55	244	0.071	<1	0.94	0.007	0.18	<0.1	0.02	2.6	0.2	<0.05	3	<0.5	<0.2
22182	Soil	28	19	0.40	383	0.055	<1	0.87	0.009	0.06	0.2	0.03	3.5	<0.1	<0.05	3	<0.5	<0.2
22183	Soil	9	10	0.17	275	0.022	<1	0.60	0.003	0.07	<0.1	0.01	1.8	<0.1	<0.05	2	<0.5	<0.2
22184	Soil	39	22	0.35	589	0.045	<1	1.26	0.008	0.05	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
22185	Soil	23	25	0.38	470	0.060	<1	1.15	0.013	0.07	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
22186	Soil	19	21	0.34	417	0.055	<1	1.11	0.010	0.05	0.2	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
22187	Soil	25	9	0.27	422	0.021	<1	0.77	0.003	0.09	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
22188	Soil	41	13	0.33	533	0.020	<1	0.70	0.003	0.14	<0.1	<0.01	2.8	0.1	<0.05	3	<0.5	<0.2
22189	Soil	24	13	0.28	287	0.029	<1	0.79	0.004	0.09	0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
22190	Soil	25	10	0.28	426	0.024	<1	0.76	0.004	0.08	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
22191	Soil	14	8	0.19	127	0.021	1	0.54	0.003	0.08	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
22689	Soil	14	20	0.52	216	0.053	<1	1.28	0.010	0.08	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
22690	Soil	20	24	0.69	157	0.042	<1	1.46	0.004	0.10	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
22691	Soil	10	25	0.94	146	0.071	<1	1.63	0.005	0.06	0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
22692	Soil	7	26	0.95	163	0.038	<1	1.69	0.004	0.07	0.1	0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
22693	Soil	12	36	1.03	124	0.103	<1	1.61	0.004	0.06	0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
22694	Soil	10	27	0.40	209	0.050	1	2.02	0.006	0.09	0.2	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
22695	Soil	8	38	1.10	123	0.106	<1	1.95	0.004	0.03	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
22696	Soil	17	35	0.83	241	0.059	<1	1.94	0.006	0.09	0.1	0.03	3.9	0.1	<0.05	5	<0.5	<0.2
22697	Soil	15	26	1.07	175	0.077	<1	1.59	0.004	0.17	<0.1	0.02	4.9	0.2	<0.05	6	<0.5	<0.2
22698	Soil	20	22	0.61	210	0.055	<1	1.40	0.007	0.06	0.1	0.05	2.9	0.1	<0.05	4	<0.5	<0.2
22699	Soil	15	18	0.59	157	0.038	<1	1.15	0.006	0.06	<0.1	0.07	2.4	0.1	<0.05	4	0.6	<0.2
22700	Soil	4	48	1.94	129	0.020	<1	2.51	0.004	0.02	<0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
22701	Soil	6	30	1.47	101	0.018	<1	2.05	0.010	0.02	<0.1	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 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
22702	Soil	0.5	33.1	3.4	76	<0.1	7.4	24.3	828	4.78	5.0	0.2	1.4	0.8	12	<0.1	0.4	<0.1	78	0.33	0.040
22703	Soil	0.4	39.6	4.8	57	<0.1	22.4	19.8	501	3.35	4.4	0.5	3.6	2.1	15	<0.1	0.5	<0.1	64	0.28	0.027
22704	Soil	0.4	45.5	3.4	62	<0.1	14.9	21.9	625	4.29	3.1	0.6	1.3	1.4	12	<0.1	0.4	<0.1	84	0.25	0.013
22705	Soil	0.7	40.8	7.4	50	0.1	13.8	13.7	497	3.90	7.3	0.5	2.2	2.4	11	<0.1	0.5	0.2	67	0.12	0.025
22706	Soil	<0.1	75.8	1.7	67	<0.1	16.3	26.6	1080	5.01	3.1	<0.1	1.6	0.4	9	<0.1	0.1	<0.1	100	0.24	0.039
22707	Soil	0.2	89.7	3.2	77	0.2	11.9	24.8	897	5.41	2.9	0.2	2.0	0.9	11	0.1	0.2	<0.1	99	0.23	0.048
22708	Soil	0.3	106.6	3.8	70	0.5	51.8	24.4	843	4.27	3.2	0.1	2.3	0.8	13	0.2	0.2	0.1	81	0.31	0.055
22709	Soil	0.3	76.4	4.4	67	0.3	54.2	24.8	1469	4.13	2.5	0.3	1.7	1.2	20	0.2	0.2	<0.1	88	0.53	0.051
22710	Soil	0.6	17.6	21.5	49	<0.1	16.1	7.5	170	2.13	7.0	1.5	2.2	13.0	20	0.1	0.7	0.2	33	0.27	0.019
22711	Soil	0.5	9.0	23.7	30	<0.1	7.0	4.1	91	1.19	2.5	1.4	0.5	9.9	23	<0.1	0.4	0.1	13	0.18	0.022
22712	Soil	1.0	23.0	10.3	46	<0.1	18.7	7.6	220	2.09	8.9	1.1	1.8	4.2	36	0.2	0.7	0.2	44	0.42	0.053
22713	Soil	0.6	25.1	9.0	50	<0.1	22.5	8.9	176	2.32	9.9	2.0	3.3	3.8	33	0.1	0.6	0.2	42	0.65	0.061
22537	Soil	0.8	21.0	11.9	60	0.2	17.9	8.1	193	2.69	31.9	1.3	1.7	6.3	10	<0.1	0.4	0.1	53	0.12	0.015
22538	Soil	0.7	10.3	13.9	35	0.1	12.2	5.1	108	1.74	10.9	0.7	1.7	5.4	6	<0.1	0.4	0.1	29	0.07	0.024
22539	Soil	1.0	20.7	11.1	64	<0.1	17.1	8.3	240	2.44	18.9	0.9	3.6	5.4	10	0.1	0.4	<0.1	34	0.16	0.041
22540	Soil	0.6	20.7	7.7	65	0.2	21.8	12.4	333	3.23	8.8	0.3	2.0	2.1	9	<0.1	0.3	<0.1	60	0.10	0.045
22541	Soil	1.3	23.4	10.9	73	0.3	24.7	11.7	422	3.28	63.7	0.7	<0.5	2.5	7	0.2	0.5	0.2	66	0.08	0.089
22542	Soil	1.4	16.2	14.0	26	0.3	6.2	3.1	80	2.20	4.8	1.0	6.3	5.1	22	<0.1	0.5	0.3	22	0.05	0.033
22543	Soil	1.2	36.4	42.9	50	<0.1	6.9	4.6	471	1.93	8.1	1.2	<0.5	9.4	4	0.2	0.5	0.5	26	0.05	0.050
22544	Soil	0.6	25.1	12.1	76	0.2	17.2	10.2	344	2.61	19.7	0.9	1.3	3.3	16	0.2	0.2	0.1	41	0.25	0.075
22545	Soil	1.3	29.0	12.9	77	0.3	20.1	9.0	250	2.85	14.7	2.4	3.5	5.4	36	0.2	0.6	0.1	39	0.19	0.070
22546	Soil	1.6	20.8	13.6	72	0.3	16.5	7.9	185	2.41	4.8	1.9	1.7	5.8	24	0.2	0.4	0.2	26	0.20	0.064
22673	Soil	0.9	32.3	17.9	115	<0.1	53.8	17.0	424	3.01	2.1	0.8	1.8	7.8	14	<0.1	0.2	0.2	59	0.27	0.078
22674	Soil	1.0	8.5	4.6	36	<0.1	10.3	7.4	263	2.65	2.9	3.0	1.0	14.0	8	<0.1	0.2	0.6	11	0.06	0.017
22675	Soil	1.0	28.2	46.2	57	<0.1	21.6	10.5	89	2.13	2.5	1.8	2.5	22.8	6	<0.1	0.6	0.5	12	0.02	0.012
22676	Soil	0.3	6.3	16.8	21	<0.1	3.5	1.8	70	0.63	0.9	1.1	<0.5	9.8	5	<0.1	0.2	0.2	6	0.07	0.028
22785	Soil	0.6	20.8	9.6	68	0.1	19.3	6.0	256	1.89	6.5	0.7	1.9	2.8	30	0.2	0.5	0.1	36	0.54	0.076
22786	Soil	0.6	23.1	11.4	69	0.1	19.8	8.3	359	2.10	6.8	0.9	2.9	3.9	25	0.2	0.5	0.1	39	0.42	0.062
22787	Soil	0.6	19.7	10.6	57	0.1	18.0	8.9	271	2.05	8.4	2.1	5.1	4.5	47	0.2	0.5	0.1	37	0.49	0.078
22788	Soil	0.9	11.6	13.3	32	0.3	8.5	6.7	317	1.30	2.7	5.7	3.1	3.9	41	0.2	0.3	0.1	19	0.43	0.035



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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
22702	Soil	3	12	1.87	140	0.101	<1	2.63	0.003	0.03	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
22703	Soil	6	62	1.52	147	0.132	<1	2.04	0.006	0.03	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
22704	Soil	5	20	1.87	95	0.167	<1	2.66	0.005	0.02	<0.1	0.03	5.9	<0.1	<0.05	6	<0.5	<0.2
22705	Soil	7	18	1.20	148	0.074	<1	2.41	0.007	0.05	<0.1	0.03	3.7	<0.1	<0.05	7	<0.5	<0.2
22706	Soil	1	15	2.41	75	0.087	<1	2.74	0.002	0.03	<0.1	0.02	7.2	<0.1	<0.05	7	<0.5	<0.2
22707	Soil	3	11	1.71	87	0.075	<1	2.64	0.005	0.03	<0.1	0.02	5.4	<0.1	<0.05	7	<0.5	<0.2
22708	Soil	3	100	2.35	68	0.048	<1	2.67	0.007	0.03	<0.1	0.01	6.0	<0.1	<0.05	6	<0.5	<0.2
22709	Soil	5	114	2.14	217	0.034	<1	2.72	0.006	0.03	<0.1	0.02	6.5	<0.1	<0.05	7	<0.5	<0.2
22710	Soil	31	21	0.54	438	0.055	<1	1.30	0.015	0.10	0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
22711	Soil	21	9	0.40	427	0.047	<1	0.83	0.003	0.10	0.1	<0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
22712	Soil	15	23	0.47	405	0.054	<1	1.18	0.016	0.06	0.2	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
22713	Soil	12	25	0.50	377	0.046	2	1.14	0.015	0.05	0.3	0.02	2.8	<0.1	<0.05	4	0.5	<0.2
22537	Soil	17	25	0.82	279	0.046	<1	1.66	0.005	0.07	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
22538	Soil	11	14	0.29	145	0.026	<1	1.12	0.003	0.08	0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
22539	Soil	20	25	0.75	230	0.077	<1	1.39	0.003	0.14	0.1	0.02	3.0	0.2	<0.05	5	0.6	<0.2
22540	Soil	5	38	0.98	168	0.051	2	2.06	0.004	0.07	0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
22541	Soil	8	32	0.76	202	0.042	<1	1.96	0.006	0.05	0.1	0.01	2.6	0.1	<0.05	7	<0.5	<0.2
22542	Soil	19	11	0.18	277	0.044	<1	0.89	0.011	0.14	<0.1	0.02	1.3	0.1	0.24	3	1.2	0.5
22543	Soil	7	8	0.39	52	0.030	<1	0.77	0.002	0.09	<0.1	<0.01	2.0	0.2	<0.05	4	<0.5	<0.2
22544	Soil	13	30	1.05	184	0.048	<1	1.52	0.003	0.07	0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
22545	Soil	25	24	0.93	211	0.108	<1	1.37	0.008	0.14	<0.1	0.02	2.9	0.1	0.12	5	0.6	<0.2
22546	Soil	27	22	0.69	348	0.043	<1	1.38	0.005	0.06	<0.1	0.05	2.6	0.1	0.06	5	0.7	<0.2
22673	Soil	56	45	1.78	479	0.131	<1	2.05	0.002	0.10	<0.1	<0.01	1.8	0.1	<0.05	6	<0.5	<0.2
22674	Soil	86	12	0.98	644	0.004	1	1.69	0.003	0.08	<0.1	0.01	1.7	<0.1	<0.05	5	0.5	<0.2
22675	Soil	86	22	0.24	172	0.004	<1	0.62	0.003	0.07	<0.1	0.02	2.8	<0.1	<0.05	2	<0.5	<0.2
22676	Soil	19	5	0.08	184	0.006	<1	0.36	0.001	0.09	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
22785	Soil	12	22	0.49	447	0.038	1	1.17	0.015	0.05	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
22786	Soil	14	24	0.50	377	0.044	2	1.25	0.015	0.06	0.1	0.03	2.6	<0.1	<0.05	4	0.7	<0.2
22787	Soil	16	21	0.43	472	0.041	1	0.99	0.012	0.06	0.3	0.03	2.3	<0.1	0.05	3	0.9	<0.2
22788	Soil	31	10	0.20	569	0.012	1	0.83	0.006	0.13	0.1	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22789	Soil	0.5	22.6	9.1	47	<0.1	27.5	5.3	187	1.56	4.4	1.7	1.3	9.0	26	<0.1	0.4	0.1	20	0.25	0.036
22790	Soil	0.5	15.3	9.9	29	<0.1	12.4	3.4	121	1.38	6.2	1.4	2.2	10.5	15	<0.1	0.4	0.2	14	0.16	0.022
22791	Soil	0.9	30.4	11.0	47	<0.1	26.5	7.9	209	2.36	7.8	1.5	6.7	7.0	21	<0.1	0.5	0.1	37	0.26	0.040
22792	Soil	0.7	25.1	12.5	40	<0.1	29.1	6.4	143	1.69	6.0	1.0	1.5	7.5	10	<0.1	0.5	0.1	20	0.12	0.026
22793	Soil	0.6	17.4	12.7	44	0.3	18.2	6.4	171	2.03	5.6	1.1	3.0	8.4	11	<0.1	0.5	0.1	31	0.11	0.020
22794	Soil	0.7	22.1	21.0	67	0.2	22.3	8.2	200	2.16	6.5	3.3	2.8	5.3	34	0.2	0.5	0.2	42	0.40	0.064
22795	Soil	0.8	21.8	12.7	60	0.1	21.2	8.9	207	1.76	4.6	3.3	3.1	4.1	41	0.2	0.5	0.2	38	0.50	0.060
22796	Soil	1.0	25.4	12.3	63	0.1	16.7	11.0	524	3.02	5.5	1.5	2.6	2.8	30	0.3	0.6	0.2	50	0.50	0.075
22797	Soil	0.6	24.6	4.8	73	0.2	12.3	14.8	948	3.62	3.0	0.4	7.4	1.8	12	0.1	0.1	<0.1	37	0.30	0.087
22798	Soil	0.5	74.1	3.9	89	0.2	44.1	22.3	764	3.93	4.3	0.3	3.2	1.8	8	0.1	0.1	<0.1	67	0.33	0.072
22799	Soil	0.4	54.4	7.9	86	0.2	17.1	22.6	1128	5.01	4.3	0.2	4.9	1.3	11	0.3	0.3	<0.1	97	0.56	0.067
22800	Soil	0.4	31.1	5.2	73	<0.1	16.8	23.2	647	4.22	2.9	0.4	2.9	1.0	6	<0.1	0.3	<0.1	76	0.13	0.014
22801	Soil	0.4	33.0	3.6	44	<0.1	26.6	17.8	461	3.22	4.0	0.2	1.4	1.3	7	<0.1	0.2	<0.1	61	0.20	0.022
22802	Soil	0.5	39.8	3.4	41	<0.1	13.9	17.9	307	2.72	4.4	0.2	1.1	1.2	6	<0.1	0.4	<0.1	50	0.18	0.010
22803	Soil	0.5	66.2	7.6	63	0.2	19.8	15.7	581	3.93	7.4	1.4	2.7	4.1	11	<0.1	0.4	0.1	86	0.14	0.029
22804	Soil	0.2	94.9	2.3	59	0.1	15.0	25.9	960	4.65	4.3	0.1	2.4	0.5	8	<0.1	<0.1	<0.1	75	0.25	0.050



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22789	Soil	24	21	0.57	301	0.032	<1	0.95	0.003	0.10	<0.1	<0.01	2.7	<0.1	<0.05	3	<0.5	<0.2
22790	Soil	20	11	0.31	321	0.032	<1	0.78	0.004	0.13	<0.1	<0.01	2.3	0.1	<0.05	3	<0.5	<0.2
22791	Soil	18	28	0.59	385	0.064	1	1.25	0.008	0.11	0.2	0.02	3.8	<0.1	<0.05	4	0.7	<0.2
22792	Soil	18	20	0.41	294	0.040	<1	0.97	0.004	0.13	0.1	<0.01	2.3	0.1	<0.05	3	<0.5	<0.2
22793	Soil	21	23	0.43	325	0.036	<1	1.34	0.005	0.08	0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
22794	Soil	27	33	0.60	1143	0.032	1	1.62	0.012	0.08	0.1	0.06	3.6	<0.1	0.11	5	0.7	<0.2
22795	Soil	20	27	0.54	680	0.036	1	1.32	0.012	0.07	0.2	0.04	3.0	<0.1	0.12	4	0.7	<0.2
22796	Soil	16	29	0.53	455	0.031	2	1.44	0.012	0.06	0.1	0.05	3.3	<0.1	0.08	4	0.5	<0.2
22797	Soil	8	14	1.16	111	0.008	<1	1.72	0.006	0.02	<0.1	0.02	3.8	<0.1	<0.05	5	0.5	<0.2
22798	Soil	5	69	2.17	61	0.009	<1	2.51	0.004	0.01	<0.1	0.02	6.0	<0.1	<0.05	6	0.7	<0.2
22799	Soil	6	29	1.77	184	0.021	<1	2.84	0.006	0.02	<0.1	0.02	7.1	<0.1	<0.05	8	<0.5	<0.2
22800	Soil	6	39	1.71	82	0.134	<1	2.52	0.003	0.02	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
22801	Soil	4	64	1.76	124	0.074	<1	2.20	0.007	0.03	<0.1	0.01	2.1	<0.1	<0.05	6	0.6	<0.2
22802	Soil	4	35	1.15	85	0.158	<1	2.00	0.004	0.02	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
22803	Soil	12	26	1.03	208	0.059	2	2.72	0.008	0.04	<0.1	0.04	6.1	<0.1	<0.05	6	<0.5	<0.2
22804	Soil	2	12	1.95	141	0.042	<1	2.41	0.004	0.04	<0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI10000546.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
22244	Soil	1.1	82.9	3.8	46	0.1	23.0	23.8	755	3.76	5.7	0.2	7.7	1.2	4	<0.1	0.2	<0.1	54	0.09	0.048
REP 22244	QC	1.1	83.9	4.0	48	0.1	24.6	23.4	763	3.75	5.5	0.2	9.0	1.1	4	<0.1	0.2	<0.1	54	0.09	0.049
22828	Soil	0.8	10.4	16.8	40	<0.1	10.7	4.8	131	1.52	4.5	0.9	4.3	7.2	7	<0.1	0.4	0.2	23	0.06	0.017
REP 22828	QC	0.8	10.4	16.4	41	<0.1	10.5	4.9	133	1.57	4.8	0.9	2.5	7.3	7	<0.1	0.5	0.2	24	0.06	0.017
22835	Soil	0.6	5.7	16.4	60	0.3	3.7	2.8	165	1.44	3.9	1.4	0.8	13.3	8	0.1	0.3	0.2	22	0.03	0.022
REP 22835	QC	0.6	6.0	16.2	61	0.3	3.2	2.8	167	1.44	4.0	1.3	<0.5	13.0	8	0.1	0.3	0.2	24	0.04	0.021
22533	Soil	0.8	24.1	70.3	97	0.3	8.3	4.7	166	1.47	4.5	1.4	1.7	10.9	14	0.3	0.4	0.3	18	0.13	0.027
REP 22533	QC	1.0	23.1	69.7	100	0.3	8.5	4.8	166	1.51	4.6	1.3	1.5	11.2	13	0.2	0.4	0.3	17	0.12	0.025
22688	Soil	1.0	14.3	18.9	43	0.4	12.7	9.7	416	2.15	53.5	0.8	3.8	4.8	14	0.1	0.5	0.2	41	0.15	0.031
REP 22688	QC	1.0	14.7	20.6	43	0.4	13.8	10.4	456	2.25	55.8	0.9	2.3	5.0	14	0.1	0.5	0.2	42	0.16	0.032
22774	Soil	0.6	11.7	24.7	43	0.2	9.2	5.5	102	0.84	2.8	3.7	1.0	5.6	23	0.3	0.3	0.1	19	0.26	0.045
REP 22774	QC	0.6	11.8	24.4	46	0.2	9.1	5.2	101	0.86	2.9	3.6	1.0	5.4	23	0.3	0.2	0.1	18	0.25	0.045
22782	Soil	0.7	16.5	12.6	52	<0.1	13.1	7.0	292	1.93	6.9	1.1	3.4	4.9	24	<0.1	0.6	0.2	34	0.33	0.062
REP 22782	QC	0.7	16.4	12.6	51	<0.1	13.6	7.1	296	1.96	6.9	1.1	2.0	4.9	24	<0.1	0.6	0.2	34	0.34	0.063
22460	Soil	0.7	14.5	40.7	64	0.2	6.0	6.1	315	1.37	4.0	1.4	1.3	15.0	16	0.3	0.2	0.2	10	0.20	0.039
REP 22460	QC	0.7	14.5	39.9	64	0.2	6.2	6.0	303	1.32	3.8	1.5	1.6	15.1	15	0.3	0.2	0.2	8	0.18	0.042
22469	Soil	0.9	30.0	18.2	62	0.5	19.2	8.8	251	2.46	9.5	1.0	7.0	6.2	18	<0.1	0.9	0.2	38	0.14	0.037
REP 22469	QC	1.0	30.6	18.6	62	0.5	18.5	8.8	253	2.47	9.7	1.0	7.2	6.7	18	<0.1	0.9	0.2	39	0.14	0.035
22760	Soil	0.3	9.2	26.9	32	<0.1	6.3	3.7	116	1.01	3.0	0.9	0.9	12.2	6	0.1	0.3	0.3	9	0.05	0.018
REP 22760	QC	0.4	9.1	27.4	34	<0.1	5.8	3.6	119	1.06	3.3	1.0	0.8	12.6	6	<0.1	0.3	0.2	10	0.05	0.019
22184	Soil	0.7	16.0	12.7	39	<0.1	14.0	6.2	172	2.03	6.9	1.0	7.8	9.4	14	<0.1	0.6	0.2	37	0.10	0.013
REP 22184	QC	0.7	15.9	12.8	38	<0.1	14.2	6.3	169	2.07	6.8	1.1	10.7	10.0	14	<0.1	0.6	0.2	38	0.11	0.013
22710	Soil	0.6	17.6	21.5	49	<0.1	16.1	7.5	170	2.13	7.0	1.5	2.2	13.0	20	0.1	0.7	0.2	33	0.27	0.019
REP 22710	QC	0.7	17.4	22.4	48	<0.1	16.4	7.3	168	2.09	7.2	1.5	3.7	13.2	21	<0.1	0.7	0.2	34	0.28	0.018
22542	Soil	1.4	16.2	14.0	26	0.3	6.2	3.1	80	2.20	4.8	1.0	6.3	5.1	22	<0.1	0.5	0.3	22	0.05	0.033
REP 22542	QC	1.3	15.1	13.8	26	0.2	6.2	3.0	79	2.07	4.7	0.9	6.1	4.8	21	<0.1	0.5	0.2	22	0.04	0.030
22790	Soil	0.5	15.3	9.9	29	<0.1	12.4	3.4	121	1.38	6.2	1.4	2.2	10.5	15	<0.1	0.4	0.2	14	0.16	0.022
REP 22790	QC	0.5	13.1	9.3	26	<0.1	11.5	3.3	117	1.28	5.9	1.3	0.8	9.9	14	<0.1	0.4	0.2	13	0.15	0.020



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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																		
22244	Soil	3	34	1.31	38	0.007	<1	1.59	0.002	<0.01	<0.1	0.02	4.7	<0.1	<0.05	4	1.0	<0.2
REP 22244	QC	3	35	1.36	42	0.006	<1	1.64	0.002	<0.01	<0.1	0.02	4.7	<0.1	<0.05	4	1.2	<0.2
22828	Soil	12	23	0.27	75	0.032	<1	0.85	0.005	0.08	0.1	<0.01	1.9	0.1	<0.05	3	<0.5	<0.2
REP 22828	QC	12	22	0.27	77	0.033	<1	0.86	0.003	0.08	0.1	<0.01	1.9	0.1	<0.05	3	<0.5	<0.2
22835	Soil	19	8	0.36	129	0.045	<1	0.81	0.003	0.08	<0.1	<0.01	1.0	0.1	<0.05	3	<0.5	<0.2
REP 22835	QC	19	9	0.34	126	0.046	<1	0.79	0.006	0.08	0.1	0.01	1.1	0.1	<0.05	3	<0.5	<0.2
22533	Soil	23	11	0.40	307	0.047	<1	0.77	0.004	0.07	0.1	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
REP 22533	QC	23	11	0.41	307	0.048	<1	0.78	0.004	0.07	<0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
22688	Soil	16	17	0.35	280	0.036	<1	1.00	0.008	0.11	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
REP 22688	QC	17	19	0.37	290	0.037	1	1.07	0.006	0.12	0.1	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
22774	Soil	32	14	0.33	513	0.026	<1	0.73	0.005	0.06	0.2	0.02	1.5	<0.1	0.05	2	<0.5	<0.2
REP 22774	QC	31	13	0.34	521	0.025	<1	0.74	0.005	0.06	0.2	0.03	1.5	<0.1	0.07	2	<0.5	<0.2
22782	Soil	15	19	0.40	399	0.042	1	1.01	0.013	0.04	0.4	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
REP 22782	QC	16	19	0.40	403	0.044	1	1.00	0.013	0.04	0.5	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
22460	Soil	31	8	0.36	287	0.037	<1	0.59	0.002	0.11	<0.1	<0.01	1.5	0.2	<0.05	2	<0.5	<0.2
REP 22460	QC	30	8	0.35	285	0.032	<1	0.56	0.003	0.10	<0.1	0.02	1.2	0.2	<0.05	2	<0.5	<0.2
22469	Soil	19	28	0.67	212	0.056	<1	1.32	0.008	0.04	0.1	0.07	3.8	<0.1	<0.05	4	<0.5	<0.2
REP 22469	QC	19	29	0.67	217	0.057	<1	1.33	0.008	0.05	0.1	0.07	3.7	<0.1	<0.05	4	<0.5	0.2
22760	Soil	29	7	0.24	187	0.014	<1	0.56	0.002	0.07	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
REP 22760	QC	29	8	0.25	195	0.013	<1	0.59	0.003	0.08	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
22184	Soil	39	22	0.35	589	0.045	<1	1.26	0.008	0.05	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
REP 22184	QC	39	22	0.35	602	0.053	<1	1.24	0.007	0.05	0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
22710	Soil	31	21	0.54	438	0.055	<1	1.30	0.015	0.10	0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
REP 22710	QC	32	21	0.52	447	0.057	1	1.26	0.013	0.09	0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
22542	Soil	19	11	0.18	277	0.044	<1	0.89	0.011	0.14	<0.1	0.02	1.3	0.1	0.24	3	1.2	0.5
REP 22542	QC	18	11	0.17	271	0.041	<1	0.86	0.011	0.13	<0.1	0.02	1.3	0.1	0.23	3	1.1	0.3
22790	Soil	20	11	0.31	321	0.032	<1	0.78	0.004	0.13	<0.1	<0.01	2.3	0.1	<0.05	3	<0.5	<0.2
REP 22790	QC	19	10	0.29	294	0.033	<1	0.73	0.003	0.13	<0.1	0.01	2.2	0.1	<0.05	3	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Reference Materials																					
STD DS7	Standard	20.2	101.1	66.0	385	1.0	53.6	8.7	591	2.30	47.9	4.7	66.4	4.7	83	5.5	5.9	4.7	79	0.92	0.069
STD DS7	Standard	20.8	116.5	69.6	397	0.9	56.2	9.4	613	2.36	48.6	5.3	66.8	5.2	75	6.6	6.4	4.9	85	0.94	0.072
STD DS7	Standard	21.1	109.0	70.2	387	1.0	55.5	9.2	574	2.22	47.9	5.6	110.7	5.3	79	7.1	6.4	5.0	81	0.84	0.069
STD DS7	Standard	21.5	110.7	77.6	419	1.0	54.9	9.4	627	2.39	51.7	5.7	76.2	5.4	85	7.2	6.9	5.3	84	0.99	0.073
STD DS7	Standard	21.1	107.2	70.6	378	1.0	53.6	8.9	586	2.28	48.3	4.8	203.3	4.9	72	5.9	5.6	4.5	81	0.90	0.069
STD DS7	Standard	21.9	115.9	75.8	401	1.0	56.4	9.7	632	2.40	50.5	5.2	69.6	5.0	75	6.1	6.2	4.8	84	0.93	0.078
STD DS7	Standard	19.8	104.2	70.6	373	0.9	49.6	9.0	582	2.22	47.5	4.9	66.2	4.6	71	5.4	5.6	4.6	80	0.89	0.072
STD DS7	Standard	20.1	114.7	64.3	399	1.0	59.0	9.6	621	2.47	53.8	4.8	117.7	4.6	67	6.1	5.5	4.7	86	1.01	0.081
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
Reference Materials																		
STD DS7	Standard	14	202	0.97	393	0.129	37	1.00	0.092	0.45	3.8	0.20	2.6	4.0	0.13	5	3.6	1.5
STD DS7	Standard	14	191	1.02	381	0.148	38	1.00	0.103	0.44	3.5	0.21	3.0	4.0	0.21	5	3.0	0.9
STD DS7	Standard	14	199	0.95	388	0.139	36	0.93	0.091	0.42	3.8	0.22	2.6	3.9	0.14	5	3.4	0.9
STD DS7	Standard	14	210	1.07	388	0.148	41	1.06	0.108	0.49	3.7	0.23	3.0	4.1	0.19	5	3.1	2.0
STD DS7	Standard	14	207	0.99	369	0.122	32	0.98	0.094	0.46	3.5	0.20	2.6	4.2	0.17	5	2.9	1.1
STD DS7	Standard	14	213	1.04	396	0.125	36	1.00	0.092	0.48	3.8	0.24	2.6	4.2	0.23	5	3.4	0.7
STD DS7	Standard	12	197	0.99	369	0.118	38	0.96	0.090	0.46	3.6	0.22	2.4	3.9	0.20	4	2.7	0.5
STD DS7	Standard	13	206	1.10	423	0.114	44	1.05	0.097	0.49	3.7	0.22	2.4	4.3	0.19	5	3.3	1.1
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<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: Distribution
Receiving Lab: Canada-Whitehorse
Received: September 18, 2010
Report Date: October 18, 2010
Page: 1 of 11

CERTIFICATE OF ANALYSIS

WHI10000478.1

CLIENT JOB INFORMATION

Project: QUARTZ
Shipment ID:
P.O. Number
Number of Samples: 280

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:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	280	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	280	Dry at 60C			WHI
1DX2	280	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:

QUARTZ

Report Date:

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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
22266	Soil	0.7	10.3	21.3	59	<0.1	2.9	3.7	309	1.62	2.0	1.7	3.8	11.0	8	<0.1	0.5	0.2	5	0.02
22267	Soil	0.2	3.8	4.1	68	<0.1	2.0	3.1	647	2.15	0.6	0.4	0.6	5.7	11	<0.1	<0.1	<0.1	9	0.11
22268	Soil	0.7	34.2	7.0	99	<0.1	25.5	18.0	637	3.63	8.6	0.7	2.8	3.5	20	0.2	0.3	<0.1	65	0.34
22269	Soil	1.1	40.8	10.1	81	0.1	50.3	17.4	726	3.39	5.4	1.1	2.3	6.6	27	0.1	0.5	<0.1	47	0.34
22270	Soil	1.8	74.5	16.6	76	0.2	112.5	23.0	968	4.17	11.4	1.1	3.9	8.8	11	0.1	0.3	0.2	74	0.20
22271	Soil	0.2	78.0	1.4	93	<0.1	7.0	17.5	813	4.87	1.8	0.2	0.9	0.9	28	<0.1	0.2	<0.1	82	0.69
22272	Soil	0.3	35.9	1.7	27	<0.1	57.7	25.1	511	2.74	1.2	<0.1	1.0	0.4	11	<0.1	0.1	<0.1	54	0.39
22273	Soil	1.5	13.3	18.4	59	<0.1	10.1	5.0	202	1.33	3.7	1.3	1.8	13.5	9	0.2	0.3	0.3	21	0.07
22274	Soil	1.1	17.2	36.7	50	<0.1	10.6	5.7	189	1.62	4.7	2.7	2.0	26.4	16	<0.1	0.9	0.2	21	0.06
22275	Soil	1.0	28.5	22.0	49	0.3	18.7	9.2	207	2.18	8.6	1.7	3.5	21.7	10	0.1	0.6	0.2	40	0.06
22276	Soil	0.9	69.3	62.5	57	0.2	10.9	7.0	238	1.88	3.1	1.8	2.1	16.4	7	0.2	0.4	0.9	25	0.07
22277	Soil	0.8	54.4	50.7	55	<0.1	6.5	6.2	224	1.39	1.6	1.4	2.0	21.6	4	0.2	0.4	0.5	11	0.05
22278	Soil	1.3	20.2	24.6	48	0.3	17.3	7.7	212	2.37	8.5	1.2	1.3	7.9	10	<0.1	0.7	0.2	53	0.07
22279	Soil	0.9	12.1	20.6	46	<0.1	9.8	5.9	265	1.94	5.1	0.8	1.3	14.3	10	<0.1	0.6	0.2	29	0.08
22280	Soil	1.5	11.3	22.1	40	<0.1	11.2	5.6	126	2.02	24.1	0.9	1.2	9.9	6	<0.1	0.5	1.0	27	0.05
22281	Soil	1.2	44.1	25.5	70	<0.1	14.2	8.4	438	2.24	7.4	1.5	4.9	11.0	7	0.2	0.5	0.6	30	0.07
22282	Soil	1.0	13.5	43.2	49	<0.1	9.6	5.3	221	2.13	8.3	1.0	2.3	8.0	10	0.2	0.4	0.4	35	0.09
22283	Soil	1.2	13.3	31.3	47	0.2	12.6	8.2	349	2.34	2.1	2.3	1.4	20.3	24	0.1	1.2	0.3	20	0.17
22284	Soil	3.4	14.1	17.0	29	<0.1	5.0	2.3	90	1.48	1.8	2.1	1.3	11.6	12	<0.1	0.8	1.6	9	0.08
22285	Soil	2.1	4.6	10.3	27	<0.1	3.5	7.5	320	1.45	0.9	2.8	0.9	28.5	7	<0.1	0.2	0.7	6	0.04
22286	Soil	1.6	22.0	25.4	104	0.1	28.4	9.7	349	2.46	8.3	2.0	1.5	6.8	9	0.2	0.6	0.5	26	0.15
22287	Soil	0.3	4.6	15.2	35	<0.1	2.6	2.4	184	1.16	1.9	1.5	<0.5	12.3	26	<0.1	0.3	0.1	8	0.11
22288	Soil	0.9	13.3	13.9	41	<0.1	12.6	6.7	223	1.92	11.6	1.2	16.4	9.3	10	<0.1	0.5	0.2	35	0.07
22289	Soil	0.7	9.4	19.8	35	<0.1	6.5	4.3	191	1.32	4.0	1.4	1.1	14.6	7	<0.1	0.4	0.2	17	0.05
22290	Soil	0.8	10.2	25.6	46	<0.1	12.1	4.7	237	1.52	10.8	1.7	8.7	15.9	8	0.1	0.6	0.2	17	0.08
22291	Soil	0.9	6.0	37.1	39	<0.1	4.8	3.6	217	1.10	4.0	1.3	9.9	9.1	11	0.2	0.5	0.3	12	0.08
22293	Soil	0.4	16.0	13.0	31	<0.1	43.6	7.4	105	1.24	2.2	0.8	2.9	7.4	28	<0.1	0.2	0.1	21	0.29
22294	Soil	0.4	4.3	19.5	27	<0.1	5.3	2.2	94	0.84	1.5	1.2	1.1	11.7	16	0.2	0.2	0.2	11	0.14
22295	Soil	0.7	23.6	25.0	39	<0.1	28.5	7.4	208	1.73	3.4	1.6	1.6	14.7	23	<0.1	0.2	0.3	22	0.18
22296	Soil	0.5	10.1	23.7	33	<0.1	8.1	4.6	154	1.47	5.1	1.4	1.2	11.9	9	<0.1	0.4	0.2	22	0.08



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Project: QUARTZ
Report Date: October 18, 2010

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
22266	Soil	43	4	0.15	335	0.002	2	0.51	0.002	0.08	<0.1	0.04	1.7	<0.1	<0.05	1	<0.5
22267	Soil	18	3	0.92	163	0.090	1	1.17	0.002	0.44	<0.1	<0.01	2.5	0.2	<0.05	4	<0.5
22268	Soil	10	33	1.43	224	0.027	1	1.94	0.002	0.02	<0.1	<0.01	5.6	<0.1	<0.05	6	<0.5
22269	Soil	24	65	1.29	315	0.007	1	1.58	0.003	0.06	<0.1	0.03	9.3	<0.1	<0.05	5	0.7
22270	Soil	36	163	2.32	213	0.028	<1	2.34	0.003	0.05	<0.1	0.11	10.2	<0.1	<0.05	7	0.9
22271	Soil	5	6	1.16	648	0.200	1	2.08	0.009	0.99	<0.1	0.03	3.3	0.2	<0.05	9	<0.5
22272	Soil	1	117	1.97	53	0.122	<1	1.83	0.003	0.01	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5
22273	Soil	35	11	0.22	452	0.023	<1	0.77	0.004	0.07	<0.1	0.03	1.8	<0.1	<0.05	2	<0.5
22274	Soil	78	14	0.23	314	0.016	<1	0.88	0.004	0.09	0.2	0.02	3.8	0.1	<0.05	2	<0.5
22275	Soil	30	24	0.41	229	0.046	2	1.64	0.007	0.07	<0.1	0.04	4.0	0.1	<0.05	4	<0.5
22276	Soil	23	16	0.57	320	0.041	1	1.26	0.005	0.09	<0.1	<0.01	3.5	0.1	<0.05	3	<0.5
22277	Soil	40	8	0.36	176	0.025	1	0.85	0.002	0.12	<0.1	0.02	2.4	0.1	<0.05	2	<0.5
22278	Soil	16	28	0.39	598	0.049	2	1.96	0.008	0.08	<0.1	0.03	4.2	0.1	<0.05	5	<0.5
22279	Soil	15	16	0.31	248	0.036	2	1.24	0.005	0.07	<0.1	0.02	4.0	0.2	<0.05	4	<0.5
22280	Soil	16	15	0.26	180	0.023	<1	1.32	0.005	0.11	<0.1	<0.01	2.3	0.2	<0.05	4	<0.5
22281	Soil	31	41	0.55	200	0.026	<1	1.36	0.004	0.06	<0.1	0.03	3.0	<0.1	0.08	4	<0.5
22282	Soil	16	17	0.25	224	0.037	1	1.16	0.005	0.05	0.1	0.06	2.2	<0.1	<0.05	3	0.7
22283	Soil	48	14	0.21	422	0.010	3	0.81	0.003	0.13	<0.1	0.02	4.4	0.1	<0.05	2	<0.5
22284	Soil	68	7	0.09	696	0.012	<1	0.38	0.005	0.10	<0.1	<0.01	1.2	<0.1	0.08	1	0.7
22285	Soil	72	4	0.51	398	0.026	2	0.83	0.002	0.17	<0.1	<0.01	2.1	0.1	<0.05	2	<0.5
22286	Soil	53	56	0.70	222	0.009	2	1.06	0.003	0.07	<0.1	0.03	4.7	<0.1	<0.05	3	0.6
22287	Soil	12	3	0.20	71	0.040	<1	0.60	0.002	0.19	<0.1	<0.01	1.2	0.2	<0.05	3	<0.5
22288	Soil	21	22	0.35	172	0.050	2	1.27	0.007	0.07	<0.1	0.02	3.3	0.1	<0.05	4	<0.5
22289	Soil	22	10	0.18	103	0.029	<1	0.71	0.003	0.10	0.1	0.01	2.6	0.1	<0.05	2	<0.5
22290	Soil	25	18	0.29	134	0.030	<1	0.81	0.003	0.14	0.1	0.01	2.8	0.1	<0.05	3	<0.5
22291	Soil	12	8	0.13	78	0.016	<1	0.57	0.002	0.08	<0.1	0.01	1.6	<0.1	<0.05	2	<0.5
22293	Soil	16	58	0.77	258	0.032	1	0.97	0.004	0.05	<0.1	0.01	2.0	<0.1	<0.05	3	<0.5
22294	Soil	34	5	0.14	588	0.010	<1	0.55	0.001	0.07	<0.1	0.02	1.9	<0.1	<0.05	2	<0.5
22295	Soil	56	20	0.56	295	0.071	1	0.84	0.013	0.18	<0.1	0.01	3.0	0.2	<0.05	3	<0.5
22296	Soil	28	14	0.29	102	0.029	1	1.03	0.004	0.07	<0.1	0.01	2.4	<0.1	<0.05	3	<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
22297	Soil	0.8	8.1	16.4	34	<0.1	6.8	4.8	196	1.55	6.0	1.1	1.2	9.6	11	<0.1	0.6	0.2	24	0.11	0.050
22298	Soil	0.8	14.1	24.1	37	<0.1	12.0	6.0	187	1.81	6.2	1.7	3.0	14.4	10	<0.1	0.6	0.2	30	0.08	0.016
22299	Soil	1.4	10.6	9.7	29	<0.1	10.4	3.8	155	1.49	4.8	2.5	1.4	24.1	7	<0.1	0.3	0.3	23	0.07	0.010
22300	Soil	0.8	33.1	7.2	69	<0.1	72.2	28.9	872	4.37	2.9	1.1	3.7	1.9	25	<0.1	0.4	<0.1	91	0.61	0.177
22301	Soil	1.6	20.0	14.7	41	0.2	14.7	6.4	233	2.87	9.5	1.3	3.2	11.9	10	<0.1	0.7	0.6	60	0.07	0.016
22302	Soil	1.2	19.1	11.2	36	<0.1	13.8	6.5	224	2.64	7.5	1.9	9.3	14.0	11	<0.1	0.5	0.5	37	0.08	0.015
22303	Soil	2.5	7.8	8.4	27	<0.1	8.7	4.7	145	2.47	5.9	1.4	1.3	10.8	4	<0.1	0.4	0.4	30	0.04	0.019
22304	Soil	1.6	11.6	11.5	35	<0.1	11.8	4.9	168	1.87	5.1	1.3	2.1	12.8	7	<0.1	0.4	0.5	27	0.06	0.021
22305	Soil	1.3	17.3	25.1	52	0.1	13.0	4.9	162	1.74	4.7	1.4	2.4	10.3	14	0.1	0.7	0.4	24	0.18	0.030
22306	Soil	1.2	11.7	22.0	53	0.1	10.3	5.8	190	1.42	2.9	1.0	0.7	7.4	14	0.2	0.5	0.4	21	0.18	0.040
22307	Soil	1.3	16.7	41.2	68	0.2	12.8	9.0	364	1.95	5.1	1.3	2.4	9.8	13	0.3	0.5	0.4	27	0.18	0.049
22308	Soil	1.2	12.2	34.2	61	0.2	10.1	6.2	231	1.75	5.5	1.3	3.8	10.1	14	0.2	0.4	0.3	23	0.18	0.055
22309	Soil	0.8	5.1	14.6	40	<0.1	5.0	2.8	162	1.44	4.3	0.9	0.9	7.9	4	<0.1	0.2	<0.1	17	0.03	0.021
22310	Soil	0.5	18.4	24.4	60	0.1	15.4	5.6	128	1.57	6.0	1.4	2.4	8.0	21	0.2	0.5	0.2	30	0.27	0.051
22311	Soil	1.0	8.4	27.2	47	0.2	5.9	5.3	200	1.30	3.9	1.5	1.2	16.1	12	0.2	0.5	0.2	7	0.16	0.037
22312	Soil	1.5	16.6	29.9	70	0.1	13.8	7.2	215	2.69	8.4	0.9	3.5	7.1	7	0.1	0.5	0.2	45	0.05	0.027
22313	Soil	1.0	12.2	16.5	48	0.2	13.5	6.2	201	1.79	11.8	1.3	2.9	4.8	15	0.2	0.3	0.2	32	0.17	0.048
22314	Soil	1.0	8.4	21.8	34	0.1	7.0	2.7	84	1.20	9.2	1.1	2.2	7.1	10	0.1	0.4	0.2	15	0.12	0.031
22315	Soil	0.9	14.6	13.5	50	0.1	13.1	5.7	167	1.65	8.1	0.9	1.8	5.6	15	0.1	0.3	0.1	25	0.22	0.042
22316	Soil	1.2	30.1	25.7	73	0.3	21.0	8.2	233	2.29	7.9	1.2	5.3	5.6	17	0.1	0.5	0.2	39	0.23	0.040
22317	Soil	0.8	19.5	22.5	74	0.1	12.4	7.3	284	2.30	4.4	1.5	2.0	10.8	9	0.2	0.3	0.1	33	0.13	0.040
22318	Soil	1.3	30.2	46.5	95	0.4	14.3	10.0	343	2.44	7.6	1.4	3.0	10.8	12	0.2	0.4	0.2	23	0.15	0.029
22319	Soil	1.0	45.4	40.9	150	0.5	20.5	17.2	575	3.20	10.5	1.2	2.8	12.3	10	0.7	0.3	0.2	29	0.20	0.064
22320	Soil	1.1	22.0	17.4	66	0.1	17.6	8.6	296	2.49	9.2	1.1	2.4	7.5	12	0.2	0.6	0.1	37	0.12	0.036
22321	Soil	1.1	17.9	27.7	76	0.1	15.3	7.4	320	2.67	7.2	0.8	1.7	4.9	9	0.3	0.6	0.2	51	0.07	0.024
22322	Soil	1.9	24.0	63.9	97	0.5	18.1	10.7	329	2.99	5.8	0.8	3.4	8.9	7	0.4	0.6	0.3	43	0.04	0.023
22323	Soil	1.1	15.5	16.9	45	0.1	13.1	6.2	201	2.34	8.5	0.8	1.6	7.8	8	0.1	0.5	0.2	48	0.06	0.017
22324	Soil	1.2	16.3	25.8	48	<0.1	17.5	7.4	210	2.28	10.5	0.6	1.4	9.4	8	0.1	0.5	0.1	42	0.06	0.026
22325	Soil	0.5	11.6	3.2	63	<0.1	7.1	9.0	631	3.35	3.6	0.2	0.6	0.9	8	<0.1	0.2	<0.1	42	0.16	0.049
22326	Soil	0.5	31.6	2.8	81	<0.1	5.7	12.2	803	3.89	2.5	0.4	0.8	1.3	11	<0.1	0.6	<0.1	71	0.23	0.070



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
22297	Soil	32	13	0.28	132	0.029	1	1.01	0.006	0.10	<0.1	0.01	2.9	0.1	0.24	3	<0.5
22298	Soil	29	20	0.34	260	0.031	<1	1.33	0.007	0.08	<0.1	0.02	2.7	<0.1	<0.05	3	<0.5
22299	Soil	190	15	0.36	374	0.028	<1	1.06	0.005	0.05	<0.1	0.02	3.3	<0.1	<0.05	3	0.7
22300	Soil	13	93	2.40	284	0.113	<1	2.55	0.004	0.34	<0.1	0.01	11.1	0.2	<0.05	7	<0.5
22301	Soil	14	33	0.42	241	0.070	<1	2.09	0.008	0.04	<0.1	0.03	5.0	0.1	<0.05	6	<0.5
22302	Soil	39	24	0.41	285	0.048	<1	1.40	0.006	0.04	0.1	0.03	3.6	<0.1	<0.05	4	<0.5
22303	Soil	16	16	0.30	78	0.024	<1	1.02	0.004	0.03	0.3	0.01	1.1	<0.1	<0.05	3	0.5
22304	Soil	33	17	0.44	156	0.026	1	1.13	0.005	0.03	0.2	<0.01	1.4	<0.1	<0.05	3	<0.5
22305	Soil	39	17	0.33	548	0.025	1	0.84	0.005	0.06	0.1	0.02	1.9	<0.1	<0.05	3	<0.5
22306	Soil	26	17	0.34	290	0.021	1	0.77	0.005	0.06	0.1	0.02	1.8	0.1	<0.05	3	<0.5
22307	Soil	26	19	0.43	298	0.026	<1	0.90	0.005	0.06	0.2	0.03	1.8	0.1	<0.05	3	<0.5
22308	Soil	19	14	0.34	260	0.027	<1	0.80	0.005	0.06	0.2	0.04	1.5	<0.1	<0.05	2	0.7
22309	Soil	14	9	0.30	81	0.033	1	0.83	0.002	0.08	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5
22310	Soil	25	19	0.46	277	0.043	2	0.92	0.011	0.06	0.2	0.03	2.3	<0.1	<0.05	3	<0.5
22311	Soil	21	6	0.51	125	0.032	<1	0.63	0.002	0.11	<0.1	<0.01	1.1	0.1	<0.05	2	<0.5
22312	Soil	17	38	0.50	111	0.059	1	1.37	0.004	0.07	0.1	0.02	2.3	0.1	<0.05	4	<0.5
22313	Soil	27	18	0.51	174	0.040	1	1.00	0.006	0.07	0.1	0.02	2.9	0.1	<0.05	3	<0.5
22314	Soil	24	9	0.27	117	0.017	1	0.68	0.003	0.07	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5
22315	Soil	14	17	0.51	192	0.032	<1	0.98	0.005	0.05	0.1	0.01	2.4	<0.1	<0.05	3	<0.5
22316	Soil	22	38	0.78	256	0.047	<1	1.50	0.007	0.05	0.1	0.04	3.2	<0.1	<0.05	4	<0.5
22317	Soil	23	24	1.02	163	0.075	<1	1.48	0.006	0.18	<0.1	<0.01	3.2	0.2	<0.05	5	0.5
22318	Soil	22	35	1.09	150	0.045	<1	1.39	0.003	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	0.7
22319	Soil	27	43	1.65	135	0.046	<1	1.69	0.002	0.08	<0.1	0.01	2.9	0.1	<0.05	5	0.9
22320	Soil	28	26	0.58	201	0.031	<1	1.51	0.004	0.06	0.1	0.01	2.1	0.1	<0.05	4	<0.5
22321	Soil	17	43	0.79	239	0.038	1	1.78	0.004	0.05	0.1	0.02	3.0	0.1	<0.05	5	<0.5
22322	Soil	24	85	1.03	159	0.042	<1	1.97	0.005	0.07	<0.1	0.03	3.1	0.2	<0.05	6	0.6
22323	Soil	22	27	0.52	165	0.055	<1	1.65	0.006	0.05	<0.1	0.02	2.6	0.1	<0.05	4	<0.5
22324	Soil	14	25	0.45	130	0.045	1	1.65	0.005	0.07	0.1	0.03	2.1	0.1	<0.05	4	<0.5
22325	Soil	2	9	1.05	133	0.079	<1	1.68	0.003	0.24	<0.1	<0.01	3.7	0.1	<0.05	5	<0.5
22326	Soil	4	4	1.37	191	0.045	<1	1.93	0.002	0.28	<0.1	<0.01	3.0	0.2	<0.05	6	<0.5



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
22327	Soil	0.8	24.3	7.3	48	<0.1	16.9	9.1	401	2.29	6.5	0.7	1.1	3.0	19	<0.1	0.5	0.1	50	0.27	0.044
22328	Soil	0.6	41.9	6.8	65	<0.1	26.0	15.6	525	3.09	6.3	0.4	2.7	2.8	21	0.1	0.5	0.1	71	0.45	0.068
22329	Soil	0.8	31.1	8.9	59	0.1	25.9	11.0	508	2.51	8.6	0.7	3.1	4.3	33	<0.1	0.7	0.1	57	0.52	0.054
22330	Soil	0.4	14.3	7.3	54	0.2	11.1	7.4	309	2.11	2.3	0.6	0.9	2.7	15	<0.1	0.2	0.1	36	0.27	0.050
22331	Soil	0.3	19.1	2.3	67	<0.1	8.1	17.4	557	3.57	1.3	0.2	1.3	0.7	10	0.1	0.5	<0.1	58	0.25	0.055
22332	Soil	0.1	9.3	3.5	64	<0.1	2.9	5.5	460	2.69	1.1	0.5	<0.5	3.3	7	<0.1	0.1	<0.1	24	0.10	0.043
22333	Soil	0.4	5.8	13.2	39	<0.1	2.5	2.1	222	1.22	1.4	0.8	<0.5	5.8	4	0.1	0.1	0.2	7	0.03	0.013
22334	Soil	0.7	17.8	15.4	54	<0.1	16.4	7.5	276	2.19	5.8	0.7	1.0	7.4	12	<0.1	0.4	0.1	38	0.14	0.034
22335	Soil	0.6	7.2	14.3	45	<0.1	3.8	2.8	251	1.46	2.3	0.8	<0.5	6.6	3	<0.1	0.2	0.1	8	0.02	0.009
22336	Soil	0.9	5.5	10.6	32	<0.1	5.1	4.7	261	1.27	3.7	0.7	0.7	4.4	8	<0.1	0.3	0.2	22	0.09	0.028
22337	Soil	0.8	23.1	10.2	43	<0.1	17.4	6.9	268	2.03	8.1	0.8	5.0	5.9	15	<0.1	0.6	0.2	39	0.16	0.031
22338	Soil	0.7	15.8	12.3	59	<0.1	4.4	4.1	203	2.46	4.8	1.0	<0.5	6.2	2	<0.1	0.3	<0.1	13	0.02	0.012
22339	Soil	0.8	7.9	16.8	57	<0.1	4.1	3.1	187	1.83	2.7	1.2	<0.5	7.7	3	0.1	0.3	0.2	8	0.02	0.016
22340	Soil	0.5	16.0	13.9	74	<0.1	8.3	6.9	359	1.98	2.4	1.1	1.5	8.7	3	<0.1	0.2	0.2	14	0.06	0.033
22341	Soil	1.2	37.4	9.9	82	<0.1	23.1	12.9	447	3.48	1.3	0.8	1.4	3.9	13	<0.1	0.4	<0.1	69	0.24	0.062
22342	Soil	0.5	7.5	23.4	48	<0.1	9.8	9.5	341	1.88	3.1	1.6	0.9	11.3	8	0.1	0.3	0.2	23	0.09	0.046
22343	Soil	0.7	48.7	22.9	91	<0.1	27.5	10.7	476	2.72	1.2	1.2	1.2	14.1	9	0.1	0.3	0.2	44	0.16	0.071
22344	Soil	0.4	86.4	2.7	53	<0.1	29.8	23.3	620	4.03	2.5	0.4	0.7	1.6	15	<0.1	0.2	<0.1	123	0.28	0.053
22345	Soil	0.6	103.1	4.7	80	0.2	47.2	19.2	695	4.39	2.1	0.9	3.8	2.2	24	0.1	0.3	<0.1	126	0.63	0.090
22346	Soil	0.7	13.1	18.7	44	<0.1	8.7	6.7	230	2.14	2.5	1.3	1.3	12.2	6	<0.1	0.5	0.2	31	0.07	0.020
22347	Soil	0.6	16.2	27.9	39	<0.1	12.1	8.4	213	1.73	2.2	1.7	1.7	20.9	10	<0.1	0.7	0.2	26	0.08	0.021
22348	Soil	0.3	17.4	28.9	38	<0.1	5.5	4.3	108	1.08	1.8	1.7	<0.5	19.2	10	<0.1	0.4	0.2	9	0.08	0.026
22349	Soil	0.7	71.8	59.8	70	<0.1	5.1	5.5	271	1.31	1.2	2.1	1.5	24.9	4	0.1	0.2	0.3	5	0.07	0.036
22350	Soil	0.6	34.7	30.9	49	<0.1	6.0	5.3	200	1.39	1.4	1.5	1.0	25.9	3	<0.1	0.4	0.2	6	0.05	0.028
22351	Soil	0.3	5.5	15.0	44	<0.1	4.6	3.9	143	0.86	0.8	1.1	<0.5	18.2	4	<0.1	0.3	0.1	4	0.06	0.030
22352	Soil	0.6	12.4	30.1	19	0.2	8.2	3.4	76	0.81	3.4	1.7	<0.5	18.8	6	0.2	0.9	<0.1	15	0.03	0.019
22353	Soil	0.3	9.9	23.7	17	<0.1	3.3	2.6	30	1.47	4.8	2.0	0.7	15.2	5	<0.1	0.4	0.2	13	0.08	0.026
22354	Soil	1.8	113.6	351.2	222	0.3	2.9	1.6	193	2.05	1.7	2.6	1.9	24.0	1	<0.1	0.5	0.7	4	0.02	0.024
22355	Soil	1.0	19.7	23.1	82	<0.1	10.8	6.2	127	2.19	2.3	2.9	<0.5	23.9	4	0.1	3.2	0.2	15	0.02	0.028
22356	Soil	0.5	13.8	33.6	27	<0.1	7.1	3.1	191	1.33	2.3	1.7	1.1	25.6	16	<0.1	1.1	0.3	10	0.04	0.019



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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
22327	Soil	11	24	0.60	292	0.060	<1	1.33	0.009	0.06	0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
22328	Soil	9	31	1.17	343	0.079	1	1.60	0.013	0.20	0.2	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
22329	Soil	15	34	0.65	393	0.066	2	1.41	0.025	0.05	0.3	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
22330	Soil	13	15	0.65	327	0.077	1	1.32	0.006	0.29	0.1	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
22331	Soil	3	9	1.44	213	0.074	<1	1.94	0.003	0.35	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
22332	Soil	8	3	0.77	233	0.136	<1	1.34	0.003	0.82	<0.1	<0.01	2.8	0.3	<0.05	5	<0.5	<0.2
22333	Soil	9	4	0.30	73	0.049	<1	0.64	0.003	0.27	<0.1	<0.01	1.7	0.3	<0.05	2	<0.5	<0.2
22334	Soil	22	22	0.56	181	0.079	<1	1.20	0.006	0.22	0.2	<0.01	2.7	0.2	<0.05	4	<0.5	<0.2
22335	Soil	15	6	0.25	79	0.042	1	0.73	0.004	0.21	<0.1	<0.01	1.4	0.2	<0.05	3	<0.5	<0.2
22336	Soil	13	10	0.23	172	0.030	<1	0.73	0.004	0.13	<0.1	<0.01	1.5	0.1	<0.05	3	<0.5	<0.2
22337	Soil	17	23	0.43	270	0.055	<1	0.98	0.010	0.08	0.3	0.02	3.6	<0.1	<0.05	3	<0.5	<0.2
22338	Soil	15	5	0.33	186	0.071	<1	1.02	0.004	0.40	<0.1	<0.01	5.5	0.2	<0.05	5	<0.5	<0.2
22339	Soil	15	5	0.14	81	0.018	1	0.81	0.003	0.17	<0.1	0.01	1.6	0.2	<0.05	2	<0.5	<0.2
22340	Soil	17	7	1.26	79	0.026	<1	1.39	0.002	0.11	<0.1	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
22341	Soil	15	24	1.22	332	0.002	<1	1.88	0.002	0.03	<0.1	0.01	6.3	<0.1	<0.05	6	0.6	<0.2
22342	Soil	11	12	0.54	96	0.048	<1	1.02	0.003	0.18	<0.1	0.01	3.0	0.2	<0.05	4	<0.5	<0.2
22343	Soil	16	37	1.25	173	0.048	<1	1.50	0.002	0.21	<0.1	0.05	4.2	0.1	<0.05	4	<0.5	<0.2
22344	Soil	5	34	1.84	131	0.082	<1	2.49	0.005	0.07	<0.1	0.01	3.2	<0.1	<0.05	7	<0.5	<0.2
22345	Soil	11	56	1.60	708	0.070	1	2.37	0.006	0.26	<0.1	0.07	7.7	<0.1	<0.05	8	<0.5	<0.2
22346	Soil	33	10	0.36	271	0.046	1	1.11	0.002	0.28	<0.1	<0.01	3.1	0.2	<0.05	3	<0.5	<0.2
22347	Soil	56	18	0.37	212	0.033	1	0.87	0.002	0.11	<0.1	0.02	3.4	0.1	<0.05	3	<0.5	<0.2
22348	Soil	54	7	0.35	173	0.018	<1	0.79	0.003	0.08	<0.1	0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
22349	Soil	89	7	0.72	113	0.028	<1	0.87	0.002	0.14	<0.1	0.01	1.5	0.2	<0.05	3	<0.5	<0.2
22350	Soil	53	7	0.35	119	0.024	1	0.68	0.002	0.15	<0.1	<0.01	2.7	0.2	<0.05	2	<0.5	<0.2
22351	Soil	11	5	0.24	180	0.016	<1	0.63	0.002	0.13	<0.1	<0.01	1.4	0.2	<0.05	2	<0.5	<0.2
22352	Soil	34	10	0.13	265	0.017	<1	0.81	0.005	0.08	0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
22353	Soil	18	5	0.08	66	0.013	3	0.66	0.001	0.04	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
22354	Soil	10	7	0.35	71	0.006	<1	0.62	0.001	0.05	<0.1	0.16	1.2	<0.1	<0.05	1	<0.5	<0.2
22355	Soil	63	10	0.10	194	0.012	1	0.62	0.007	0.08	<0.1	0.09	5.1	<0.1	<0.05	2	<0.5	<0.2
22356	Soil	45	7	0.12	141	0.012	2	0.59	0.003	0.14	<0.1	0.02	2.7	0.1	<0.05	2	<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
22357	Soil	0.5	8.2	49.1	25	<0.1	4.1	5.1	170	1.28	0.7	1.1	<0.5	21.3	12	0.2	1.1	0.2	9	0.08	0.045
22358	Soil	3.3	6.4	8.8	11	<0.1	5.0	2.7	53	1.29	2.9	1.5	0.5	17.5	4	<0.1	1.7	0.9	13	0.02	0.008
22359	Soil	2.3	9.7	9.3	27	<0.1	10.0	5.2	127	1.79	4.9	1.7	1.1	18.3	8	<0.1	0.8	0.4	28	0.05	0.011
22360	Soil	1.3	4.5	10.4	23	<0.1	2.5	3.9	165	1.19	1.9	1.8	<0.5	14.3	4	0.2	3.5	0.2	9	0.01	0.014
22361	Soil	0.6	5.7	16.1	18	<0.1	2.5	1.5	80	0.72	1.0	1.4	0.6	20.7	5	<0.1	2.1	0.2	5	0.04	0.017
22362	Soil	1.3	6.6	18.8	44	<0.1	4.6	4.0	229	1.58	1.4	1.7	1.0	10.9	11	<0.1	1.3	0.1	10	0.11	0.038
22363	Soil	0.9	25.2	14.9	48	<0.1	19.0	7.9	220	2.17	8.7	1.9	13.3	16.1	14	<0.1	0.7	0.2	41	0.14	0.035
22364	Soil	0.9	9.9	23.6	37	<0.1	9.8	4.7	152	1.28	3.2	1.4	4.7	11.7	6	0.2	0.9	0.2	15	0.06	0.017
22365	Soil	0.4	3.8	21.3	33	<0.1	1.7	1.1	151	0.78	1.1	1.7	2.3	15.8	8	0.1	1.4	0.2	3	0.05	0.012
22366	Soil	0.4	27.1	7.5	31	<0.1	52.7	10.7	163	1.42	2.3	0.6	2.1	3.9	19	<0.1	1.0	<0.1	22	0.23	0.048
22367	Soil	2.3	27.6	35.5	72	<0.1	22.8	8.6	326	2.17	6.5	2.5	1.0	13.7	8	0.1	1.5	0.5	15	0.10	0.053
22368	Soil	0.6	3.4	12.9	14	<0.1	4.9	1.8	91	0.86	2.4	1.1	0.9	3.9	6	<0.1	1.6	0.1	19	0.04	0.013
22369	Soil	1.6	44.0	25.2	59	<0.1	34.0	10.3	194	2.36	23.4	2.6	<0.5	15.6	3	0.1	2.0	0.4	22	0.02	0.016
22370	Soil	0.4	4.0	22.4	15	<0.1	2.1	1.2	96	0.69	1.3	1.0	<0.5	14.6	2	<0.1	1.0	<0.1	3	0.02	0.013
22371	Soil	0.7	6.3	14.5	15	<0.1	4.7	1.8	138	0.78	3.1	1.2	<0.5	7.0	5	<0.1	2.9	0.3	23	0.04	0.018
22372	Soil	0.6	8.5	15.1	35	<0.1	3.2	2.9	152	1.20	1.6	1.9	0.6	17.2	5	<0.1	5.5	<0.1	9	0.04	0.023
22373	Soil	0.6	5.1	8.3	45	<0.1	6.2	2.6	190	1.16	2.5	1.7	<0.5	24.8	13	<0.1	12.7	0.2	12	0.09	0.008
22374	Soil	1.2	20.2	18.6	62	<0.1	30.8	10.4	273	3.63	4.7	1.0	<0.5	9.9	5	<0.1	5.9	1.1	50	0.03	0.031
22375	Soil	2.7	5.0	6.9	22	<0.1	7.1	3.3	90	2.66	5.4	1.0	<0.5	17.0	4	<0.1	1.5	0.7	27	0.02	0.021
22376	Soil	3.9	2.5	4.0	15	<0.1	4.1	4.2	102	2.34	1.3	2.2	0.7	14.0	3	<0.1	0.5	0.4	9	0.02	0.012
22377	Soil	0.8	6.5	23.2	25	<0.1	7.8	3.6	89	1.84	5.1	0.9	1.5	10.4	8	<0.1	0.7	0.2	30	0.05	0.018
22378	Soil	0.9	15.6	38.8	44	<0.1	10.6	4.6	186	1.60	4.4	1.3	0.9	12.7	10	0.1	0.9	0.4	25	0.08	0.017
22379	Soil	0.7	7.1	19.5	55	0.1	11.4	4.5	97	1.57	3.8	0.8	0.8	5.1	19	0.1	0.4	0.3	28	0.25	0.063
22380	Soil	1.0	22.9	50.7	94	0.4	9.3	6.5	348	1.59	4.1	2.9	1.4	14.7	22	0.5	0.5	0.5	14	0.41	0.043
22387	Soil	1.0	18.1	12.8	56	<0.1	11.3	6.6	206	1.96	14.9	1.2	0.9	6.4	12	0.1	0.3	0.2	35	0.14	0.032
22388	Soil	0.7	24.9	14.1	76	<0.1	19.5	10.0	270	2.88	12.5	1.3	<0.5	6.1	22	0.2	0.2	0.1	58	0.26	0.079
22389	Soil	0.9	19.4	18.9	43	0.3	11.8	5.1	116	1.95	20.6	2.3	2.4	9.0	20	0.2	0.3	0.2	34	0.24	0.023
22390	Soil	0.4	26.1	3.3	53	<0.1	15.9	10.4	255	2.12	5.4	0.4	0.5	1.3	8	<0.1	0.1	<0.1	44	0.22	0.073
22391	Soil	1.1	58.4	66.0	205	0.2	21.8	15.5	675	3.71	8.3	1.1	5.8	10.4	5	0.7	0.5	0.3	28	0.06	0.033
22392	Soil	0.4	3.6	10.4	28	<0.1	2.6	1.9	260	0.96	2.9	0.5	<0.5	2.4	13	0.1	0.2	0.2	29	0.10	0.016



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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
22357	Soil	13	6	0.21	105	0.011	2	0.65	0.002	0.19	<0.1	<0.01	2.9	0.2	<0.05	2	<0.5
22358	Soil	20	9	0.09	277	0.011	<1	0.87	0.008	0.10	<0.1	0.01	1.4	<0.1	<0.05	2	<0.5
22359	Soil	23	17	0.23	589	0.031	1	1.19	0.005	0.07	0.1	0.01	2.2	<0.1	<0.05	3	<0.5
22360	Soil	16	5	0.08	107	0.011	<1	0.51	0.006	0.10	0.1	<0.01	1.1	0.1	<0.05	2	<0.5
22361	Soil	142	4	0.08	167	0.007	<1	0.41	0.001	0.09	<0.1	<0.01	1.8	<0.1	<0.05	1	<0.5
22362	Soil	16	7	0.24	207	0.028	2	0.60	0.003	0.15	<0.1	<0.01	2.3	0.2	<0.05	3	<0.5
22363	Soil	50	26	0.37	385	0.047	2	1.42	0.008	0.07	0.1	0.04	3.1	<0.1	<0.05	4	<0.5
22364	Soil	11	12	0.14	122	0.019	1	0.72	0.004	0.11	0.1	<0.01	2.3	0.1	<0.05	2	<0.5
22365	Soil	16	2	0.06	101	0.014	<1	0.31	0.002	0.11	<0.1	<0.01	1.7	0.1	<0.05	2	<0.5
22366	Soil	8	69	0.92	131	0.066	<1	1.01	0.003	0.03	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5
22367	Soil	15	13	0.15	124	0.010	1	0.64	0.002	0.12	<0.1	0.01	3.9	0.1	<0.05	2	<0.5
22368	Soil	8	9	0.09	106	0.023	1	0.56	0.007	0.06	<0.1	<0.01	0.8	<0.1	<0.05	3	<0.5
22369	Soil	56	13	0.30	168	0.023	<1	0.85	0.002	0.19	<0.1	0.01	5.6	0.3	<0.05	2	<0.5
22370	Soil	5	3	0.03	63	0.012	<1	0.40	0.002	0.07	0.1	<0.01	1.4	<0.1	<0.05	<1	<0.5
22371	Soil	21	7	0.07	182	0.016	<1	0.51	0.003	0.07	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5
22372	Soil	71	5	0.09	145	0.008	<1	0.48	0.003	0.10	<0.1	<0.01	2.5	0.1	<0.05	2	<0.5
22373	Soil	32	10	0.86	145	0.023	1	1.31	0.003	0.04	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5
22374	Soil	15	40	0.79	160	0.026	<1	1.77	0.003	0.06	<0.1	0.01	3.8	0.1	<0.05	5	<0.5
22375	Soil	33	15	0.14	158	0.015	<1	1.16	0.005	0.04	0.2	<0.01	1.0	<0.1	<0.05	3	0.5
22376	Soil	15	7	0.07	62	0.004	<1	0.60	0.002	0.05	1.4	<0.01	0.7	<0.1	<0.05	1	<0.5
22377	Soil	20	16	0.22	190	0.024	<1	1.04	0.003	0.06	0.1	0.02	1.6	<0.1	<0.05	4	<0.5
22378	Soil	58	17	0.27	481	0.033	<1	1.00	0.004	0.07	0.2	0.02	2.1	<0.1	<0.05	3	<0.5
22379	Soil	18	19	0.31	377	0.027	1	1.05	0.010	0.06	0.2	0.05	2.0	0.1	<0.05	4	<0.5
22380	Soil	56	9	0.54	337	0.046	<1	0.84	0.004	0.12	<0.1	0.03	1.7	0.2	<0.05	3	0.5
22387	Soil	10	24	0.80	94	0.061	1	1.13	0.010	0.09	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5
22388	Soil	10	21	1.33	127	0.101	<1	1.56	0.003	0.42	<0.1	<0.01	4.3	0.4	<0.05	5	<0.5
22389	Soil	37	13	0.44	240	0.045	2	1.12	0.006	0.09	0.1	0.02	3.6	0.1	<0.05	4	<0.5
22390	Soil	3	28	0.65	150	0.080	<1	1.06	0.003	0.36	<0.1	<0.01	2.8	0.2	<0.05	3	<0.5
22391	Soil	34	59	1.77	171	0.018	<1	2.04	0.002	0.05	<0.1	0.04	3.6	0.1	<0.05	5	0.6
22392	Soil	7	8	0.12	141	0.036	<1	0.94	0.003	0.04	0.1	0.01	1.0	0.1	<0.05	4	<0.5



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					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
22393	Soil																							
22394	Soil																							
22395	Soil																							
22396	Soil																							
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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
22393	Soil	8	41	1.02	184	0.055	<1	1.97	0.004	0.05	0.1	0.01	3.6	0.1	<0.05	9	<0.5	0.3
22394	Soil	15	44	0.70	196	0.047	<1	2.61	0.006	0.05	0.2	0.04	3.9	0.1	<0.05	7	<0.5	<0.2
22395	Soil	29	26	0.68	161	0.038	<1	1.35	0.004	0.08	<0.1	0.14	3.3	0.3	<0.05	3	0.6	<0.2
22396	Soil	45	17	0.53	215	0.048	<1	1.13	0.014	0.19	<0.1	0.25	2.5	0.2	0.22	4	0.6	<0.2
22397	Soil	23	18	0.75	214	0.133	1	1.44	0.003	0.44	<0.1	0.01	2.1	0.5	<0.05	5	<0.5	<0.2
22398	Soil	33	26	0.51	113	0.021	1	1.13	0.003	0.06	<0.1	0.07	4.6	0.1	<0.05	4	0.5	<0.2
22399	Soil	23	20	0.57	201	0.056	<1	1.17	0.003	0.15	0.1	0.01	1.9	0.2	<0.05	4	<0.5	<0.2
22400	Soil	15	29	0.52	423	0.058	2	1.41	0.018	0.06	0.4	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
22401	Soil	14	26	0.52	369	0.056	2	1.29	0.018	0.06	0.3	0.04	2.9	<0.1	<0.05	4	0.5	<0.2
22402	Soil	15	28	0.56	334	0.064	3	1.36	0.020	0.07	0.3	0.04	3.1	<0.1	<0.05	4	0.7	<0.2
22403	Soil	10	27	0.78	283	0.067	<1	1.38	0.010	0.08	0.3	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
22404	Soil	7	33	1.31	288	0.165	2	2.34	0.008	0.39	<0.1	<0.01	4.7	0.1	<0.05	7	<0.5	<0.2
22405	Soil	6	14	1.20	349	0.125	<1	1.98	0.006	0.48	0.1	0.01	2.6	0.2	<0.05	6	<0.5	<0.2
22406	Soil	13	22	0.60	318	0.063	1	1.39	0.008	0.07	0.3	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
22407	Soil	11	21	0.82	402	0.083	<1	1.80	0.009	0.21	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
22408	Soil	22	16	0.83	285	0.092	1	1.43	0.006	0.52	<0.1	<0.01	3.2	0.3	<0.05	5	<0.5	<0.2
22409	Soil	26	12	0.39	256	0.044	1	0.97	0.006	0.23	0.1	0.04	2.3	0.2	<0.05	3	<0.5	<0.2
22410	Soil	11	20	0.39	162	0.058	<1	1.31	0.006	0.14	0.1	<0.01	2.4	0.1	<0.05	4	<0.5	<0.2
22411	Soil	17	16	0.75	303	0.097	2	1.52	0.008	0.38	0.2	0.04	5.2	0.2	<0.05	5	<0.5	<0.2
22412	Soil	16	21	0.44	174	0.057	1	1.65	0.006	0.14	0.1	0.02	3.2	0.2	<0.05	5	<0.5	<0.2
22413	Soil	15	20	0.47	250	0.045	1	1.72	0.004	0.18	<0.1	0.02	4.0	0.2	<0.05	5	<0.5	<0.2
22414	Soil	19	12	0.20	248	0.017	1	1.31	0.003	0.13	<0.1	0.01	2.0	0.1	<0.05	4	<0.5	<0.2
22415	Soil	23	11	0.96	174	0.039	<1	1.59	0.006	0.10	<0.1	<0.01	1.7	0.1	<0.05	5	<0.5	<0.2
22416	Soil	17	33	0.87	205	0.092	<1	1.75	0.005	0.12	<0.1	0.01	5.2	0.1	<0.05	6	<0.5	<0.2
22417	Soil	18	21	0.49	371	0.016	1	1.20	0.006	0.05	<0.1	0.04	7.3	<0.1	<0.05	5	<0.5	<0.2
22418	Soil	8	45	1.03	163	0.055	<1	1.30	0.004	0.06	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
22419	Soil	10	90	1.15	285	0.047	1	1.77	0.008	0.03	<0.1	0.04	4.4	<0.1	<0.05	5	<0.5	<0.2
22420	Soil	3	9	1.07	484	0.100	<1	1.71	0.005	0.49	<0.1	0.03	3.2	<0.1	<0.05	7	<0.5	<0.2
22421	Soil	8	143	1.54	408	0.034	1	1.71	0.007	0.03	0.1	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
22422	Soil	27	14	0.25	362	0.024	<1	0.96	0.005	0.08	0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2



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Project: QUARTZ
Report Date: October 18, 2010

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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
22423	Soil																							
22424	Soil																							
22425	Soil																							
22426	Soil																							
22427	Soil																							
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22451	Soil																							
22452	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	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
22423	Soil	52	16	0.39	386	0.036	1	1.13	0.005	0.09	0.1	0.03	3.5	0.1	<0.05	3	<0.5	<0.2
22424	Soil	23	18	0.61	436	0.040	<1	1.45	0.008	0.07	0.1	0.01	2.8	0.1	<0.05	4	<0.5	<0.2
22425	Soil	11	17	0.34	491	0.035	<1	1.28	0.005	0.09	0.2	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
22426	Soil	8	13	0.26	450	0.025	<1	1.16	0.006	0.08	0.1	<0.01	2.4	0.1	<0.05	3	<0.5	<0.2
22427	Soil	35	10	0.15	353	0.014	<1	0.90	0.004	0.09	<0.1	0.01	2.6	<0.1	<0.05	2	<0.5	<0.2
22428	Soil	27	12	0.16	163	0.028	<1	0.96	0.004	0.08	0.1	0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
22429	Soil	32	26	0.37	230	0.061	1	1.28	0.008	0.06	0.2	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
22430	Soil	23	30	0.54	274	0.040	<1	1.33	0.004	0.14	0.1	0.02	4.5	0.1	<0.05	5	<0.5	<0.2
22431	Soil	55	28	0.43	229	0.026	<1	1.00	0.005	0.12	<0.1	0.03	4.7	0.1	<0.05	3	<0.5	<0.2
22432	Soil	24	69	0.88	294	0.062	1	1.46	0.005	0.08	<0.1	0.01	8.1	0.1	<0.05	5	<0.5	<0.2
22433	Soil	53	7	0.09	156	0.006	1	0.47	0.001	0.10	<0.1	<0.01	3.0	0.1	<0.05	1	<0.5	<0.2
22434	Soil	22	6	0.10	429	0.010	<1	0.59	0.003	0.08	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
22435	Soil	14	3	0.28	220	0.022	<1	0.74	0.003	0.15	<0.1	<0.01	0.9	0.1	<0.05	2	<0.5	<0.2
22436	Soil	30	13	0.24	283	0.031	<1	1.05	0.007	0.09	0.1	<0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
22437	Soil	13	10	0.10	205	0.015	<1	0.84	0.009	0.06	0.1	0.01	1.3	<0.1	<0.05	2	0.7	0.4
22438	Soil	89	26	0.33	324	0.038	1	1.43	0.004	0.07	0.1	0.01	3.1	0.1	<0.05	4	<0.5	<0.2
22439	Soil	9	5	0.07	674	0.004	1	0.59	0.003	0.11	0.4	<0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
22440	Soil	21	21	0.32	526	0.029	1	1.40	0.008	0.07	0.2	0.01	2.9	0.1	<0.05	4	<0.5	<0.2
22441	Soil	32	77	0.79	103	0.071	<1	1.03	0.002	0.02	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
22442	Soil	10	13	0.20	154	0.029	<1	0.92	0.006	0.06	0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
22443	Soil	14	18	0.24	306	0.038	2	1.57	0.006	0.10	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
22444	Soil	17	9	0.16	214	0.015	1	0.84	0.004	0.09	<0.1	<0.01	2.1	0.1	<0.05	3	<0.5	<0.2
22445	Soil	16	4	0.05	105	0.005	1	0.50	0.002	0.07	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
22446	Soil	7	3	0.03	207	0.009	<1	0.29	0.002	0.10	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
22447	Soil	29	20	0.30	180	0.037	<1	1.35	0.006	0.05	0.2	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
22448	Soil	3	44	2.52	65	0.110	<1	2.54	0.002	0.10	<0.1	<0.01	5.3	<0.1	<0.05	7	<0.5	<0.2
22449	Soil	38	33	0.46	320	0.065	1	2.00	0.014	0.09	0.2	0.03	6.9	0.1	<0.05	7	<0.5	<0.2
22450	Soil	89	7	0.24	108	0.008	<1	0.66	0.004	0.04	<0.1	0.02	2.4	<0.1	<0.05	2	<0.5	<0.2
22451	Soil	18	15	0.19	151	0.029	<1	1.01	0.004	0.06	0.4	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
22452	Soil	28	11	0.13	379	0.008	<1	1.05	0.004	0.10	<0.1	<0.01	1.7	0.1	<0.05	2	<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
22453	Soil	0.6	13.7	19.9	56	0.1	17.0	8.3	226	2.02	6.6	1.1	2.2	12.9	11	0.1	0.5	0.2	32	0.14
22454	Soil	1.4	27.2	39.4	75	0.2	3.8	4.2	322	1.48	2.6	2.0	2.7	13.7	5	0.3	1.2	0.4	5	0.02
22455	Soil	0.5	13.0	14.9	75	0.1	7.3	5.5	240	1.25	3.5	1.4	1.2	12.9	15	0.2	0.4	0.2	12	0.21
22456	Soil	0.9	19.2	26.1	57	0.1	9.5	5.6	155	1.72	5.2	1.5	<0.5	4.6	18	0.2	0.6	0.2	28	0.26
22457	Soil	0.4	10.3	24.6	38	0.1	6.6	1.7	69	0.81	2.3	1.2	1.4	2.1	36	0.3	0.8	0.2	10	0.40
22458	Soil	1.2	14.3	183.9	203	0.4	3.3	3.1	145	1.49	2.1	1.4	2.3	11.5	13	0.4	2.1	0.3	8	0.16
22475	Soil	0.3	43.0	3.3	73	0.1	17.0	18.6	659	4.41	4.1	0.5	2.4	1.7	17	<0.1	0.4	<0.1	85	0.48
22476	Soil	0.2	49.1	5.1	96	0.1	18.3	16.1	719	4.46	2.8	0.4	1.5	3.0	13	0.2	0.2	<0.1	67	0.41
22477	Soil	0.3	60.1	4.2	64	0.2	43.3	18.3	703	3.62	3.2	0.4	1.7	1.8	18	0.1	0.7	<0.1	74	0.53
22478	Soil	0.4	53.3	3.7	69	0.2	27.5	18.6	889	3.72	4.3	0.4	4.0	1.6	19	0.2	0.3	<0.1	66	0.60
22479	Soil	0.4	45.2	5.0	66	0.2	22.3	17.8	681	3.49	4.8	0.4	1.1	2.2	19	0.2	0.4	0.1	55	0.45
22480	Soil	0.7	64.8	4.1	92	<0.1	27.6	21.3	1354	4.70	1.2	0.5	<0.5	3.0	8	0.3	0.1	0.1	81	0.21
22481	Soil	0.9	40.7	6.4	68	0.1	22.8	11.8	385	3.37	6.0	0.7	<0.5	4.0	13	0.1	0.5	0.2	58	0.20
22482	Soil	1.2	61.0	6.7	69	<0.1	29.1	16.9	648	3.99	6.9	1.2	1.8	5.8	15	0.2	0.5	0.3	75	0.31
22483	Soil	1.2	45.0	10.1	113	0.1	22.9	12.5	477	3.46	15.5	1.0	2.3	7.1	8	0.2	0.6	0.4	47	0.11
22484	Soil	1.3	53.5	12.4	91	0.2	33.1	19.5	862	4.41	4.2	1.2	1.2	5.3	7	0.3	0.2	<0.1	58	0.26
22485	Soil	1.3	20.0	15.3	56	0.1	14.3	6.7	232	2.21	5.6	1.6	<0.5	7.3	10	<0.1	0.4	0.2	33	0.13
22486	Soil	1.0	24.5	16.7	64	0.1	20.0	11.6	429	2.59	8.3	1.3	1.0	10.1	9	0.1	0.4	0.2	30	0.17
22487	Soil	0.5	51.6	4.9	59	0.1	42.6	20.2	597	3.45	1.6	0.7	1.3	2.1	11	<0.1	0.2	<0.1	72	0.26
22488	Soil	0.6	53.1	5.6	68	0.1	38.5	19.4	441	3.81	2.9	0.6	4.2	1.9	13	0.1	0.6	<0.1	87	0.27
22489	Soil	0.6	32.4	5.6	67	0.2	23.9	13.0	463	2.86	2.2	0.7	1.2	2.6	19	0.2	0.2	<0.1	55	0.44
22490	Soil	0.9	15.4	6.9	66	0.1	17.4	10.3	382	2.55	4.9	0.5	25.6	2.5	20	0.1	0.4	0.1	46	0.37
22491	Soil	0.8	25.0	5.6	59	0.2	17.9	16.0	742	2.39	3.1	0.8	<0.5	1.5	16	0.3	0.3	<0.1	43	0.24
22492	Soil	0.8	15.5	8.3	69	0.2	16.3	10.1	445	2.33	4.9	0.7	1.6	2.2	20	0.2	0.3	0.1	42	0.35
22493	Soil	0.9	11.1	5.3	51	<0.1	12.4	11.9	644	2.07	3.4	0.5	1.6	1.9	14	0.1	0.3	<0.1	41	0.29
22494	Soil	1.5	18.9	7.4	68	0.1	17.3	15.1	711	3.01	4.7	0.7	0.6	2.1	19	0.2	0.3	0.1	54	0.34
22495	Soil	0.9	15.1	7.9	69	0.1	17.0	14.0	805	2.54	5.3	0.7	0.8	2.3	20	0.1	0.3	0.1	49	0.34
22496	Soil	1.1	17.5	8.6	69	0.2	17.7	11.9	309	2.56	5.4	1.2	2.0	2.5	37	0.2	0.5	0.1	44	0.47
22497	Soil	0.9	17.9	8.0	60	0.1	16.2	8.5	229	2.43	7.3	1.2	2.2	3.0	32	0.2	0.5	0.1	43	0.47
22498	Soil	0.5	20.5	8.1	63	0.1	20.4	8.2	212	1.98	4.2	1.1	1.6	3.0	35	0.1	0.5	0.1	45	0.47



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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
22453	Soil	46	20	0.34	245	0.035	1	1.54	0.008	0.06	0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
22454	Soil	30	7	0.18	294	0.008	1	0.40	0.002	0.09	<0.1	0.04	1.5	<0.1	<0.05	1	<0.5	<0.2
22455	Soil	21	9	0.36	331	0.024	<1	0.76	0.005	0.08	<0.1	0.02	2.1	0.1	<0.05	2	<0.5	<0.2
22456	Soil	28	14	0.39	362	0.035	<1	1.00	0.008	0.08	0.1	0.03	2.1	0.1	<0.05	4	0.5	<0.2
22457	Soil	25	9	0.24	654	0.021	<1	0.56	0.009	0.07	<0.1	0.03	1.1	<0.1	0.05	2	<0.5	<0.2
22458	Soil	27	4	0.26	167	0.039	<1	0.40	0.003	0.12	<0.1	0.05	1.0	0.1	0.05	2	<0.5	<0.2
22475	Soil	6	22	1.95	184	0.055	1	2.81	0.008	0.04	<0.1	0.02	5.9	<0.1	<0.05	7	<0.5	<0.2
22476	Soil	8	23	1.34	149	0.026	1	2.12	0.005	0.05	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
22477	Soil	8	75	1.70	182	0.029	<1	2.26	0.008	0.03	<0.1	0.03	7.8	<0.1	<0.05	5	<0.5	<0.2
22478	Soil	6	34	1.60	214	0.023	1	2.40	0.007	0.04	<0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
22479	Soil	8	25	1.38	207	0.040	<1	2.02	0.007	0.03	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
22480	Soil	4	35	2.04	127	0.027	<1	2.74	0.004	0.04	<0.1	<0.01	6.5	<0.1	<0.05	8	<0.5	<0.2
22481	Soil	15	33	1.06	206	0.044	1	2.00	0.007	0.03	0.1	0.01	4.6	<0.1	<0.05	5	0.5	<0.2
22482	Soil	24	44	1.42	218	0.030	<1	2.31	0.007	0.04	<0.1	0.03	7.9	<0.1	<0.05	7	1.2	<0.2
22483	Soil	31	36	1.49	142	0.022	1	2.46	0.007	0.04	<0.1	0.03	4.2	<0.1	<0.05	6	0.6	<0.2
22484	Soil	34	46	1.86	70	0.015	<1	2.36	0.003	0.03	<0.1	0.02	5.4	<0.1	<0.05	7	1.3	<0.2
22485	Soil	23	24	0.35	229	0.020	<1	1.43	0.012	0.06	<0.1	0.03	3.2	<0.1	<0.05	4	0.7	<0.2
22486	Soil	25	35	1.13	140	0.027	<1	1.62	0.004	0.04	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
22487	Soil	8	94	1.91	180	0.079	1	2.11	0.005	0.05	<0.1	<0.01	5.6	<0.1	<0.05	6	0.6	<0.2
22488	Soil	6	84	1.87	185	0.083	<1	2.45	0.003	0.05	<0.1	0.02	4.6	0.1	<0.05	7	<0.5	<0.2
22489	Soil	11	41	1.21	315	0.073	1	1.73	0.007	0.17	<0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
22490	Soil	9	29	0.85	194	0.054	<1	1.39	0.009	0.06	0.1	0.02	3.0	<0.1	<0.05	5	0.5	<0.2
22491	Soil	10	27	0.89	321	0.036	<1	1.49	0.008	0.04	<0.1	0.03	2.8	<0.1	<0.05	5	0.7	<0.2
22492	Soil	11	25	0.88	284	0.035	1	1.65	0.010	0.06	0.1	0.03	3.3	<0.1	<0.05	5	0.5	<0.2
22493	Soil	7	18	0.69	115	0.046	1	1.16	0.006	0.06	0.2	0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
22494	Soil	10	25	0.93	241	0.052	<1	1.53	0.007	0.08	<0.1	0.03	3.2	<0.1	<0.05	5	0.6	<0.2
22495	Soil	12	26	0.84	265	0.044	1	1.59	0.010	0.05	0.1	0.03	3.1	<0.1	0.06	5	<0.5	<0.2
22496	Soil	14	25	0.68	409	0.044	1	1.45	0.011	0.06	0.1	0.03	3.1	<0.1	<0.05	5	0.8	<0.2
22497	Soil	14	23	0.63	343	0.049	1	1.28	0.013	0.06	0.2	0.04	3.4	<0.1	0.08	4	0.7	<0.2
22498	Soil	13	27	0.64	348	0.048	1	1.33	0.013	0.05	0.2	0.04	3.7	<0.1	0.14	4	0.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
22499	Soil	0.9	20.6	9.2	63	0.1	24.9	10.0	471	2.42	6.3	1.1	1.5	3.2	28	0.1	0.4	0.1	45	0.46
22500	Soil	0.8	12.0	10.1	35	<0.1	10.9	4.2	95	0.81	1.6	18.2	2.5	7.2	55	0.2	0.2	<0.1	13	0.46
22501	Soil	0.3	21.6	10.1	42	0.2	22.5	10.6	280	1.78	2.9	1.2	1.2	3.0	20	<0.1	0.4	0.1	29	0.29
22502	Soil	0.4	14.1	18.4	27	<0.1	6.2	3.6	97	1.28	2.9	1.0	<0.5	14.3	9	0.2	0.4	0.3	16	0.10
22503	Soil	0.7	11.3	26.7	33	<0.1	12.0	4.7	158	1.65	6.7	0.6	<0.5	7.7	8	0.1	0.5	0.3	31	0.08
22504	Soil	0.2	6.6	15.7	39	<0.1	3.7	2.0	134	0.88	1.2	1.4	<0.5	18.9	11	0.4	0.3	0.2	6	0.11
22505	Soil	0.5	10.0	19.4	34	<0.1	7.4	4.2	160	1.53	2.0	2.0	1.2	17.4	11	0.2	0.3	0.2	18	0.07
22506	Soil	0.4	10.2	30.8	29	<0.1	7.9	3.6	113	1.14	2.8	1.6	0.5	25.2	6	<0.1	0.4	0.3	15	0.05
22550	Soil	0.3	27.7	3.3	51	<0.1	13.9	13.3	431	3.01	2.0	0.4	2.7	1.6	11	<0.1	0.3	<0.1	60	0.25
22551	Soil	0.5	27.1	4.5	53	<0.1	15.1	14.1	492	3.40	2.1	0.4	1.2	1.9	13	<0.1	0.3	<0.1	66	0.29
22552	Soil	0.4	44.0	4.6	60	<0.1	21.6	16.6	552	4.00	3.1	0.6	3.1	2.4	11	<0.1	0.3	<0.1	79	0.29
22553	Soil	0.4	41.1	7.4	58	0.1	29.4	13.3	444	2.97	4.4	0.8	1.9	2.9	14	<0.1	0.3	0.2	61	0.26
22554	Soil	0.4	65.9	4.3	69	0.1	17.1	14.4	632	3.81	3.4	0.6	2.1	1.8	13	<0.1	0.7	0.1	79	0.30
22555	Soil	0.5	40.1	6.9	54	0.2	21.5	12.6	499	3.04	5.6	0.7	2.9	2.9	19	0.1	0.4	0.1	65	0.40
22556	Soil	0.2	64.3	3.7	67	0.3	17.0	20.0	907	4.43	1.9	0.2	<0.5	1.6	11	<0.1	0.2	<0.1	77	0.27
22557	Soil	1.2	105.4	8.1	65	<0.1	30.6	15.3	445	3.87	7.2	1.2	1.9	4.6	17	<0.1	0.7	0.3	72	0.14
22558	Soil	1.5	57.2	6.0	45	0.1	32.5	14.5	619	3.96	5.8	0.9	0.9	4.6	5	0.2	0.3	0.2	66	0.12
22559	Soil	1.3	61.0	12.1	73	0.1	20.3	12.9	526	3.25	13.6	2.0	1.3	12.9	4	0.3	0.5	0.4	36	0.10
22560	Soil	1.2	33.2	120.3	90	0.3	25.7	12.4	420	3.51	10.6	0.9	2.2	5.8	7	0.2	0.4	0.8	52	0.13
22561	Soil	0.5	32.8	9.7	68	<0.1	9.5	12.0	658	3.27	<0.5	1.2	1.2	5.5	15	0.4	0.3	<0.1	44	0.21
22562	Soil	0.7	32.8	23.7	79	0.2	25.7	13.9	602	3.17	8.7	1.4	2.6	10.8	11	<0.1	0.4	0.3	47	0.23
22563	Soil	1.4	34.4	12.5	82	0.2	30.0	15.1	675	3.50	4.3	1.4	1.1	6.8	13	0.2	0.5	0.2	55	0.28
22564	Soil	0.9	28.0	9.6	79	<0.1	23.3	13.6	663	3.56	2.0	0.8	<0.5	3.5	16	0.1	0.4	<0.1	62	0.26
22565	Soil	0.9	20.8	7.2	79	0.1	24.9	15.0	467	2.88	3.6	0.6	1.9	2.9	22	0.1	0.4	0.1	53	0.38
22566	Soil	0.9	32.1	7.0	67	0.2	27.8	15.5	485	2.99	4.1	0.8	1.5	2.9	22	0.2	0.5	0.1	56	0.39
22567	Soil	1.2	34.7	6.3	77	0.2	26.1	14.1	460	3.20	4.3	1.2	2.1	3.5	21	0.2	0.6	<0.1	51	0.42
22568	Soil	0.9	20.2	7.1	63	0.1	20.7	12.4	421	2.54	3.2	1.0	1.3	2.9	21	<0.1	0.3	<0.1	42	0.38
22569	Soil	1.2	21.0	8.5	69	0.1	16.1	8.9	356	2.55	4.1	1.2	2.8	2.4	20	0.2	0.3	0.1	41	0.31
22570	Soil	0.7	17.3	11.7	65	0.1	17.1	6.1	193	2.12	5.0	1.0	3.7	2.7	19	0.2	0.5	0.2	43	0.25
22571	Soil	0.6	14.6	8.2	51	0.1	12.8	4.5	169	1.65	3.6	0.8	6.5	1.0	18	0.3	0.4	0.1	27	0.21



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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
22499	Soil	14	35	0.81	392	0.043	2	1.46	0.013	0.05	0.2	0.03	3.6	<0.1	0.08	4	0.7	<0.2
22500	Soil	27	13	0.36	573	0.023	<1	0.48	0.005	0.09	<0.1	0.01	2.3	<0.1	0.07	2	1.0	<0.2
22501	Soil	22	35	0.56	391	0.026	<1	1.08	0.007	0.07	<0.1	0.06	3.0	<0.1	<0.05	3	0.5	<0.2
22502	Soil	21	9	0.27	115	0.012	<1	0.77	0.003	0.10	<0.1	<0.01	1.8	<0.1	<0.05	2	<0.5	<0.2
22503	Soil	17	15	0.29	121	0.030	1	0.94	0.006	0.09	0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
22504	Soil	54	4	0.17	83	0.013	<1	0.38	0.002	0.13	<0.1	<0.01	1.6	0.1	<0.05	2	0.5	<0.2
22505	Soil	39	13	0.30	156	0.034	2	0.89	0.004	0.13	0.1	<0.01	2.8	0.2	<0.05	3	0.6	<0.2
22506	Soil	69	11	0.28	142	0.022	<1	0.76	0.003	0.07	0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
22550	Soil	5	18	1.33	177	0.036	<1	1.92	0.005	0.03	0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
22551	Soil	5	21	1.27	184	0.043	<1	2.03	0.006	0.03	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
22552	Soil	7	42	1.59	196	0.050	1	2.34	0.006	0.04	<0.1	0.02	6.7	<0.1	<0.05	7	<0.5	<0.2
22553	Soil	9	64	1.14	244	0.040	<1	1.92	0.010	0.03	0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
22554	Soil	6	19	1.57	223	0.040	<1	2.29	0.005	0.03	<0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
22555	Soil	10	27	0.95	283	0.038	1	1.81	0.009	0.04	0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
22556	Soil	5	13	1.70	103	0.033	<1	2.36	0.003	0.03	<0.1	0.01	4.5	<0.1	<0.05	7	<0.5	<0.2
22557	Soil	16	47	1.14	259	0.066	1	2.31	0.014	0.06	0.1	0.05	7.1	<0.1	<0.05	7	0.7	<0.2
22558	Soil	13	49	1.66	96	0.035	<1	2.51	0.003	0.03	<0.1	0.01	4.1	<0.1	<0.05	7	0.6	<0.2
22559	Soil	23	32	1.34	87	0.027	<1	1.90	0.004	0.03	<0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
22560	Soil	13	33	1.09	138	0.034	<1	2.31	0.004	0.04	<0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
22561	Soil	17	16	0.92	196	0.052	<1	1.60	0.004	0.25	<0.1	<0.01	6.1	0.3	<0.05	6	<0.5	<0.2
22562	Soil	47	43	1.73	106	0.017	<1	2.05	0.005	0.05	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
22563	Soil	14	39	1.37	227	0.042	<1	1.88	0.003	0.09	<0.1	0.04	5.9	0.1	<0.05	7	<0.5	<0.2
22564	Soil	7	37	1.40	158	0.077	<1	1.87	0.005	0.14	<0.1	0.01	4.6	0.1	<0.05	7	<0.5	<0.2
22565	Soil	9	36	1.14	187	0.066	2	1.65	0.010	0.06	0.2	0.03	3.1	0.1	<0.05	5	0.7	<0.2
22566	Soil	11	43	1.10	227	0.066	<1	1.73	0.010	0.06	0.1	0.02	3.7	<0.1	<0.05	5	0.5	<0.2
22567	Soil	12	31	1.09	215	0.055	<1	1.59	0.006	0.08	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
22568	Soil	10	31	0.93	255	0.042	<1	1.43	0.006	0.06	0.1	0.03	3.3	<0.1	<0.05	5	0.5	<0.2
22569	Soil	12	23	0.80	217	0.052	<1	1.38	0.007	0.07	<0.1	0.05	3.3	<0.1	<0.05	5	<0.5	<0.2
22570	Soil	14	25	0.61	229	0.044	<1	1.41	0.008	0.06	0.2	0.04	2.7	0.1	<0.05	4	0.8	<0.2
22571	Soil	12	20	0.48	187	0.033	<1	1.14	0.008	0.05	0.2	0.04	1.8	<0.1	<0.05	4	0.6	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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
22572	Soil	1.2	14.9	9.6	61	<0.1	18.1	8.7	395	2.43	7.5	0.7	6.4	3.5	26	0.2	0.8	0.2	49	0.35
22573	Soil	0.6	8.6	7.3	43	<0.1	9.8	3.7	154	1.61	4.2	0.6	4.6	2.4	17	0.1	0.4	<0.1	32	0.24
22574	Soil	0.7	15.5	8.2	55	<0.1	16.1	7.0	358	1.99	5.3	1.1	2.0	3.5	31	0.1	0.7	0.1	43	0.42
22575	Soil	1.3	22.4	11.1	70	0.1	31.3	18.6	1923	2.92	7.9	1.4	1.8	3.3	63	0.3	0.6	0.2	52	0.68
22576	Soil	1.6	27.3	16.7	66	0.1	31.3	11.0	342	2.51	5.3	8.6	1.1	5.0	66	0.4	0.4	0.1	40	0.63
22577	Soil	0.8	29.9	41.8	52	0.6	23.7	16.7	1269	2.18	6.8	3.0	4.4	3.7	47	0.3	0.6	0.3	35	0.45
22578	Soil	0.1	8.9	28.2	28	0.1	3.9	2.3	161	0.81	0.7	2.2	0.7	16.8	28	<0.1	0.2	0.3	5	0.21
22579	Soil	0.5	7.9	27.7	31	<0.1	4.0	1.9	84	0.77	1.7	1.2	0.8	15.8	5	<0.1	0.6	0.3	7	0.03
22580	Soil	<0.1	15.0	21.6	34	<0.1	13.0	6.7	127	1.30	1.1	1.3	<0.5	13.6	16	<0.1	0.2	0.2	11	0.16
22625	Soil	0.4	23.0	4.3	54	<0.1	14.1	14.0	408	2.98	3.7	0.3	<0.5	1.6	13	0.1	0.2	<0.1	59	0.26
22626	Soil	0.3	27.5	3.1	57	<0.1	13.3	16.3	500	3.54	2.2	0.4	1.0	1.6	14	<0.1	0.3	<0.1	67	0.26
22627	Soil	0.3	43.4	4.6	68	<0.1	17.9	15.4	555	3.81	3.6	0.7	1.5	2.4	18	<0.1	0.3	<0.1	76	0.38
22628	Soil	0.4	53.9	4.0	62	0.1	16.8	16.7	567	4.03	3.1	0.5	2.2	2.0	13	<0.1	0.3	<0.1	82	0.27
22629	Soil	0.2	110.0	2.7	74	0.2	15.9	27.1	973	5.44	1.4	0.2	1.5	0.9	9	<0.1	0.2	<0.1	110	0.28
22630	Soil	0.4	56.5	5.2	73	0.2	53.9	17.6	592	3.98	3.0	0.7	1.4	3.3	8	<0.1	0.2	0.1	71	0.16
22631	Soil	0.2	42.9	4.2	62	0.1	16.1	15.3	553	3.89	2.9	0.3	1.1	1.5	10	<0.1	0.2	0.1	80	0.21
22632	Soil	1.0	52.4	3.9	78	<0.1	27.4	15.3	646	3.95	3.5	1.1	0.6	3.5	16	<0.1	0.3	0.2	72	0.28
22633	Soil	1.3	129.6	3.3	34	<0.1	31.6	13.6	480	4.27	6.2	0.6	<0.5	3.9	5	<0.1	0.2	0.5	62	0.10
22634	Soil	1.3	136.8	6.4	56	0.2	30.0	19.0	851	4.31	5.4	0.8	3.3	5.8	6	<0.1	0.2	0.3	54	0.17
22635	Soil	0.9	46.7	15.6	189	0.3	18.8	12.8	832	3.76	7.1	1.0	0.7	10.0	7	0.5	0.6	0.2	35	0.23
22636	Soil	0.8	39.8	32.4	79	0.5	21.6	12.6	630	2.94	9.8	1.8	6.0	12.8	7	0.1	0.4	0.4	37	0.17
22637	Soil	0.8	22.9	32.0	106	0.1	19.9	8.9	433	3.01	17.2	1.7	0.8	8.9	6	<0.1	0.1	0.3	33	0.14
22638	Soil	0.8	22.7	20.1	65	0.1	22.0	13.0	413	2.89	6.2	1.2	1.4	8.6	8	<0.1	0.4	0.2	50	0.10
22639	Soil	0.8	31.2	13.2	75	<0.1	24.6	13.1	566	3.33	1.8	1.3	1.1	6.8	11	0.1	0.1	0.1	57	0.18
22640	Soil	0.6	31.2	5.3	57	<0.1	28.9	12.0	351	2.63	2.6	0.6	0.6	2.9	13	0.1	0.2	<0.1	53	0.19
22641	Soil	0.6	23.0	6.0	52	<0.1	22.2	11.9	319	2.65	2.9	0.5	1.1	2.2	11	<0.1	0.2	<0.1	53	0.18
22642	Soil	1.0	22.4	11.9	68	0.2	27.2	11.5	408	2.42	2.9	1.3	1.6	6.9	15	0.1	0.2	0.1	37	0.22
22643	Soil	0.8	15.8	10.0	59	<0.1	12.5	8.9	411	2.58	2.7	1.1	0.7	4.8	12	<0.1	0.3	0.1	38	0.17
22644	Soil	0.9	27.1	7.6	72	0.2	17.5	10.0	347	2.93	7.1	1.5	3.5	4.2	19	<0.1	0.4	0.1	56	0.30
22645	Soil	1.0	23.0	8.3	66	0.1	14.8	9.3	371	2.59	4.0	1.2	1.7	2.3	22	0.2	0.4	0.1	54	0.37



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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
22572	Soil	14	24	0.52	209	0.054	2	1.12	0.016	0.06	0.3	0.03	2.6	<0.1	<0.05	4	<0.5
22573	Soil	11	15	0.44	138	0.045	<1	0.93	0.007	0.04	0.3	0.02	1.7	<0.1	<0.05	3	<0.5
22574	Soil	15	23	0.59	264	0.052	<1	1.16	0.013	0.07	0.3	0.04	2.8	<0.1	<0.05	4	<0.5
22575	Soil	15	41	0.85	500	0.037	1	1.50	0.013	0.07	0.1	0.04	4.0	<0.1	0.07	5	0.7
22576	Soil	23	41	0.73	786	0.034	1	1.31	0.011	0.07	<0.1	0.06	3.8	<0.1	0.15	4	1.2
22577	Soil	50	22	0.38	645	0.022	1	1.13	0.011	0.10	0.2	0.08	3.2	<0.1	0.05	4	0.6
22578	Soil	34	5	0.39	277	0.048	<1	0.50	0.002	0.12	<0.1	0.02	1.4	0.2	<0.05	2	<0.5
22579	Soil	24	5	0.17	114	0.012	<1	0.49	0.002	0.08	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5
22580	Soil	36	17	0.76	278	0.061	<1	0.87	0.002	0.07	<0.1	<0.01	2.3	<0.1	<0.05	3	<0.5
22625	Soil	5	25	1.29	101	0.063	4	1.88	0.005	0.03	0.1	0.02	2.3	<0.1	<0.05	5	<0.5
22626	Soil	6	15	1.69	135	0.067	<1	2.28	0.005	0.03	<0.1	0.01	3.4	<0.1	<0.05	5	<0.5
22627	Soil	8	19	1.30	256	0.043	<1	2.27	0.007	0.04	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5
22628	Soil	6	18	1.44	167	0.058	<1	2.37	0.006	0.03	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5
22629	Soil	3	17	1.82	96	0.047	<1	2.82	0.004	0.03	<0.1	0.02	6.1	<0.1	<0.05	8	<0.5
22630	Soil	12	98	2.16	166	0.073	<1	2.76	0.003	0.03	<0.1	0.02	3.7	<0.1	<0.05	7	<0.5
22631	Soil	5	21	1.50	130	0.039	<1	2.56	0.005	0.02	<0.1	0.02	3.8	<0.1	<0.05	7	<0.5
22632	Soil	14	45	1.63	174	0.051	<1	2.30	0.005	0.05	<0.1	0.01	6.1	<0.1	<0.05	7	<0.5
22633	Soil	6	49	1.80	99	0.073	<1	2.43	0.004	0.04	<0.1	<0.01	4.3	<0.1	<0.05	7	0.8
22634	Soil	19	47	2.16	57	0.075	<1	2.72	0.003	0.04	<0.1	0.02	5.4	<0.1	<0.05	7	0.7
22635	Soil	41	24	1.58	116	0.011	<1	2.19	0.004	0.03	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5
22636	Soil	41	29	1.31	94	0.022	<1	1.76	0.003	0.04	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5
22637	Soil	27	31	1.54	95	0.035	<1	2.06	0.004	0.05	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5
22638	Soil	17	29	0.90	176	0.042	<1	1.94	0.008	0.06	0.1	0.02	3.4	<0.1	<0.05	6	<0.5
22639	Soil	21	40	1.39	181	0.095	<1	1.87	0.004	0.19	<0.1	0.01	6.5	0.2	<0.05	7	<0.5
22640	Soil	8	57	1.21	129	0.122	<1	1.60	0.005	0.08	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5
22641	Soil	5	48	1.14	117	0.109	<1	1.61	0.004	0.05	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5
22642	Soil	18	41	1.12	216	0.080	<1	1.46	0.005	0.26	<0.1	0.02	3.4	0.2	<0.05	5	<0.5
22643	Soil	17	18	1.24	191	0.059	<1	1.56	0.005	0.20	<0.1	0.02	3.1	0.1	<0.05	5	<0.5
22644	Soil	20	24	0.97	298	0.058	<1	1.72	0.007	0.06	0.1	0.03	4.2	<0.1	<0.05	6	<0.5
22645	Soil	13	20	0.89	304	0.051	<1	1.59	0.009	0.07	<0.1	0.03	3.4	<0.1	<0.05	6	0.5



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	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
22646	Soil	0.9	15.5	9.3	69	0.2	16.8	7.8	278	2.54	6.2	0.9	11.0	2.9	21	0.2	0.4	0.1	54	0.30	0.064
22647	Soil	1.0	21.0	9.0	68	0.1	18.5	8.7	255	2.48	6.5	1.0	1.6	3.6	19	0.1	0.7	0.1	49	0.26	0.058
22648	Soil	0.7	19.5	9.2	63	0.1	18.6	7.4	245	2.30	5.4	0.9	2.5	2.8	21	0.2	0.5	0.1	48	0.27	0.060
22649	Soil	0.9	20.2	9.3	62	0.1	17.6	7.8	235	2.54	6.5	1.0	2.1	3.3	18	0.1	0.7	0.1	51	0.24	0.053
22650	Soil	0.8	18.3	8.9	61	0.2	16.7	7.8	256	1.99	4.2	0.8	3.0	1.9	19	0.2	0.4	0.2	41	0.26	0.054
22651	Soil	0.6	16.9	9.8	65	<0.1	16.6	6.6	197	2.14	4.7	0.9	1.5	3.0	24	0.1	0.5	0.1	51	0.33	0.056
22652	Soil	0.7	24.9	10.2	66	0.1	22.6	9.0	263	2.20	6.3	1.5	2.7	3.6	36	0.2	0.5	0.1	47	0.44	0.071
22653	Soil	0.5	20.8	37.9	68	0.1	10.8	4.9	158	1.52	3.5	1.4	2.0	16.4	15	0.2	0.4	0.3	25	0.16	0.019
22654	Soil	0.8	15.3	44.7	50	<0.1	12.8	5.0	173	1.81	6.5	0.7	1.4	9.3	13	<0.1	0.5	0.3	33	0.11	0.037
22655	Soil	0.8	14.1	29.7	55	<0.1	5.3	3.8	164	1.14	1.5	1.4	1.7	14.8	9	0.1	0.4	0.4	10	0.05	0.026



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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
22646	Soil	14	23	0.71	249	0.047	<1	1.47	0.009	0.05	0.2	0.05	3.1	<0.1	<0.05	5	<0.5	<0.2
22647	Soil	15	23	0.61	248	0.045	<1	1.49	0.013	0.05	0.2	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2
22648	Soil	13	23	0.57	260	0.042	<1	1.48	0.010	0.05	0.2	0.05	2.9	<0.1	<0.05	4	<0.5	<0.2
22649	Soil	13	25	0.58	252	0.052	<1	1.64	0.009	0.05	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
22650	Soil	12	22	0.56	283	0.042	<1	1.49	0.010	0.05	0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
22651	Soil	14	26	0.59	278	0.050	1	1.42	0.014	0.06	0.2	0.05	3.0	<0.1	<0.05	4	0.7	<0.2
22652	Soil	14	30	0.67	389	0.041	1	1.20	0.014	0.04	0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
22653	Soil	41	15	0.50	623	0.038	1	0.82	0.008	0.09	<0.1	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
22654	Soil	14	18	0.40	388	0.037	1	0.96	0.007	0.09	0.1	<0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
22655	Soil	13	8	0.25	376	0.015	1	0.46	0.004	0.09	<0.1	<0.01	2.3	<0.1	<0.05	2	<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
Pulp Duplicates																					
22283	Soil	1.2	13.3	31.3	47	0.2	12.6	8.2	349	2.34	2.1	2.3	1.4	20.3	24	0.1	1.2	0.3	20	0.17	0.046
REP 22283	QC	1.1	13.0	31.3	46	0.2	11.9	8.6	340	2.28	2.3	2.3	0.9	18.8	25	0.3	1.0	0.3	19	0.17	0.047
22284	Soil	3.4	14.1	17.0	29	<0.1	5.0	2.3	90	1.48	1.8	2.1	1.3	11.6	12	<0.1	0.8	1.6	9	0.08	0.016
REP 22284	QC	3.4	14.2	17.5	29	<0.1	4.8	2.2	94	1.49	1.9	2.5	1.4	13.6	13	0.1	0.7	1.6	11	0.08	0.015
22318	Soil	1.3	30.2	46.5	95	0.4	14.3	10.0	343	2.44	7.6	1.4	3.0	10.8	12	0.2	0.4	0.2	23	0.15	0.029
REP 22318	QC	1.4	29.9	46.5	94	0.4	13.9	9.9	347	2.46	7.8	1.5	2.8	10.5	12	0.2	0.3	0.2	23	0.16	0.029
22322	Soil	1.9	24.0	63.9	97	0.5	18.1	10.7	329	2.99	5.8	0.8	3.4	8.9	7	0.4	0.6	0.3	43	0.04	0.023
REP 22322	QC	1.9	24.8	63.9	96	0.5	17.7	11.0	321	2.97	5.6	0.9	3.7	8.9	7	0.3	0.5	0.3	43	0.04	0.022
22345	Soil	0.6	103.1	4.7	80	0.2	47.2	19.2	695	4.39	2.1	0.9	3.8	2.2	24	0.1	0.3	<0.1	126	0.63	0.090
REP 22345	QC	0.6	103.6	4.8	83	0.3	47.3	20.1	711	4.51	2.2	0.8	3.1	2.2	25	0.1	0.3	<0.1	130	0.64	0.090
22371	Soil	0.7	6.3	14.5	15	<0.1	4.7	1.8	138	0.78	3.1	1.2	<0.5	7.0	5	<0.1	2.9	0.3	23	0.04	0.018
REP 22371	QC	0.6	6.2	14.0	14	<0.1	4.0	1.7	133	0.74	3.0	1.2	1.0	6.8	5	0.1	3.4	0.3	21	0.04	0.017
22396	Soil	3.1	22.2	23.4	53	0.2	10.6	5.1	194	2.97	6.7	1.8	3.7	13.4	47	<0.1	1.1	0.2	23	0.04	0.037
REP 22396	QC	3.0	22.2	24.6	56	0.3	10.8	5.2	199	3.01	6.5	1.9	3.0	13.4	47	0.1	1.0	0.2	23	0.04	0.037
22402	Soil	1.1	24.0	10.5	74	0.1	21.3	8.6	239	2.45	9.3	1.3	1.7	4.1	37	0.2	0.8	0.2	52	0.67	0.077
REP 22402	QC	1.1	22.9	9.8	69	0.1	20.3	8.1	229	2.36	8.8	1.2	2.1	4.1	34	0.2	0.7	0.2	48	0.63	0.075
22420	Soil	0.4	83.6	0.9	74	<0.1	8.8	15.1	659	3.74	1.7	0.6	2.5	0.7	22	<0.1	0.1	<0.1	81	0.51	0.159
REP 22420	QC	0.4	82.4	0.9	71	<0.1	9.0	14.4	632	3.62	1.4	0.6	2.7	0.7	22	<0.1	0.1	<0.1	76	0.52	0.161
22447	Soil	0.9	14.6	8.6	49	<0.1	16.7	5.2	143	2.06	7.8	1.4	1.8	18.3	6	<0.1	2.5	0.5	32	0.04	0.012
REP 22447	QC	0.9	15.1	9.2	53	<0.1	13.4	5.5	147	2.18	8.3	1.5	1.0	19.3	6	<0.1	2.6	0.5	33	0.04	0.013
22479	Soil	0.4	45.2	5.0	66	0.2	22.3	17.8	681	3.49	4.8	0.4	1.1	2.2	19	0.2	0.4	0.1	55	0.45	0.059
REP 22479	QC	0.4	46.3	4.7	67	0.1	23.3	18.6	718	3.76	4.8	0.4	1.2	2.1	18	0.2	0.4	0.1	64	0.46	0.058
22496	Soil	1.1	17.5	8.6	69	0.2	17.7	11.9	309	2.56	5.4	1.2	2.0	2.5	37	0.2	0.5	0.1	44	0.47	0.059
REP 22496	QC	1.0	18.9	8.7	73	0.1	18.9	12.7	340	2.78	5.5	1.1	1.5	2.7	33	0.2	0.4	0.1	46	0.49	0.064
22552	Soil	0.4	44.0	4.6	60	<0.1	21.6	16.6	552	4.00	3.1	0.6	3.1	2.4	11	<0.1	0.3	<0.1	79	0.29	0.035
REP 22552	QC	0.4	46.1	4.6	56	<0.1	22.6	16.8	561	4.02	3.2	0.6	2.0	2.3	11	<0.1	0.4	<0.1	79	0.28	0.037
22568	Soil	0.9	20.2	7.1	63	0.1	20.7	12.4	421	2.54	3.2	1.0	1.3	2.9	21	<0.1	0.3	<0.1	42	0.38	0.061
REP 22568	QC	1.0	21.1	7.1	66	0.1	21.5	12.1	408	2.56	3.0	1.0	1.4	2.8	22	0.1	0.4	<0.1	43	0.41	0.062



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																	
22283	Soil	48	14	0.21	422	0.010	3	0.81	0.003	0.13	<0.1	0.02	4.4	0.1	<0.05	2	<0.5
REP 22283	QC	49	14	0.21	421	0.011	3	0.81	0.004	0.13	<0.1	0.02	4.3	0.2	<0.05	2	<0.5
22284	Soil	68	7	0.09	696	0.012	<1	0.38	0.005	0.10	<0.1	<0.01	1.2	<0.1	0.08	1	0.7
REP 22284	QC	70	8	0.09	695	0.008	<1	0.37	0.005	0.10	<0.1	0.01	1.2	<0.1	0.06	1	0.5
22318	Soil	22	35	1.09	150	0.045	<1	1.39	0.003	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	0.7
REP 22318	QC	21	35	1.10	151	0.043	1	1.39	0.003	0.04	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5
22322	Soil	24	85	1.03	159	0.042	<1	1.97	0.005	0.07	<0.1	0.03	3.1	0.2	<0.05	6	0.6
REP 22322	QC	24	83	1.02	159	0.041	<1	1.96	0.004	0.07	<0.1	0.04	3.0	0.2	<0.05	5	0.8
22345	Soil	11	56	1.60	708	0.070	1	2.37	0.006	0.26	<0.1	0.07	7.7	<0.1	<0.05	8	<0.5
REP 22345	QC	11	58	1.66	720	0.074	1	2.39	0.005	0.29	<0.1	0.07	7.8	<0.1	<0.05	8	<0.5
22371	Soil	21	7	0.07	182	0.016	<1	0.51	0.003	0.07	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5
REP 22371	QC	21	7	0.07	180	0.016	<1	0.52	0.002	0.07	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5
22396	Soil	45	17	0.53	215	0.048	<1	1.13	0.014	0.19	<0.1	0.25	2.5	0.2	0.22	4	0.6
REP 22396	QC	44	17	0.56	229	0.050	<1	1.18	0.014	0.19	<0.1	0.25	2.6	0.2	0.23	4	0.8
22402	Soil	15	28	0.56	334	0.064	3	1.36	0.020	0.07	0.3	0.04	3.1	<0.1	<0.05	4	0.7
REP 22402	QC	14	26	0.54	314	0.054	1	1.26	0.019	0.06	0.2	0.04	3.1	<0.1	<0.05	4	<0.5
22420	Soil	3	9	1.07	484	0.100	<1	1.71	0.005	0.49	<0.1	0.03	3.2	<0.1	<0.05	7	<0.5
REP 22420	QC	3	9	1.01	460	0.097	<1	1.66	0.005	0.46	<0.1	0.04	3.1	<0.1	<0.05	6	<0.5
22447	Soil	29	20	0.30	180	0.037	<1	1.35	0.006	0.05	0.2	0.02	2.4	<0.1	<0.05	3	<0.5
REP 22447	QC	31	21	0.31	189	0.038	<1	1.39	0.006	0.05	0.1	0.02	2.6	<0.1	<0.05	4	<0.5
22479	Soil	8	25	1.38	207	0.040	<1	2.02	0.007	0.03	0.1	0.02	3.7	<0.1	<0.05	5	<0.5
REP 22479	QC	8	28	1.28	203	0.044	<1	1.93	0.008	0.03	0.1	0.02	4.0	<0.1	<0.05	6	<0.5
22496	Soil	14	25	0.68	409	0.044	1	1.45	0.011	0.06	0.1	0.03	3.1	<0.1	<0.05	5	0.8
REP 22496	QC	13	25	0.80	403	0.040	2	1.64	0.013	0.06	0.2	0.03	3.5	<0.1	0.09	5	0.6
22552	Soil	7	42	1.59	196	0.050	1	2.34	0.006	0.04	<0.1	0.02	6.7	<0.1	<0.05	7	<0.5
REP 22552	QC	7	42	1.63	194	0.043	1	2.39	0.005	0.04	0.1	0.03	6.8	<0.1	<0.05	6	<0.5
22568	Soil	10	31	0.93	255	0.042	<1	1.43	0.006	0.06	0.1	0.03	3.3	<0.1	<0.05	5	0.5
REP 22568	QC	10	31	0.94	263	0.045	<1	1.45	0.006	0.05	<0.1	0.04	3.4	<0.1	<0.05	5	<0.5



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Project:

QUARTZ

Report Date:

October 18, 2010

Page:

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Part 1

QUALITY CONTROL REPORT

WHI10000478.1

		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
22629	Soil	0.2	110.0	2.7	74	0.2	15.9	27.1	973	5.44	1.4	0.2	1.5	0.9	9	<0.1	0.2	<0.1	110	0.28	0.048
REP 22629	QC	0.2	110.1	2.6	73	0.1	14.9	26.7	961	5.34	1.4	0.2	2.9	0.8	9	<0.1	0.2	<0.1	103	0.27	0.051
22650	Soil	0.8	18.3	8.9	61	0.2	16.7	7.8	256	1.99	4.2	0.8	3.0	1.9	19	0.2	0.4	0.2	41	0.26	0.054
REP 22650	QC	0.7	17.7	9.0	63	0.2	16.5	7.7	260	2.03	4.4	0.9	5.4	2.0	20	0.2	0.4	0.1	40	0.25	0.056
22654	Soil	0.8	15.3	44.7	50	<0.1	12.8	5.0	173	1.81	6.5	0.7	1.4	9.3	13	<0.1	0.5	0.3	33	0.11	0.037
REP 22654	QC	0.7	15.3	44.6	49	<0.1	12.0	5.0	168	1.80	6.3	0.7	6.2	9.6	12	0.1	0.4	0.3	32	0.12	0.037
Reference Materials																					
STD DS7	Standard	19.9	110.4	73.5	402	1.0	57.0	9.4	614	2.37	48.3	5.3	65.0	4.9	77	6.1	6.1	5.1	86	0.91	0.077
STD DS7	Standard	21.2	124.2	73.6	444	1.0	58.7	9.9	657	2.57	59.9	5.1	64.9	5.0	77	7.7	6.7	5.1	99	0.98	0.090
STD DS7	Standard	19.9	102.9	74.7	382	1.0	51.3	9.0	610	2.28	50.3	5.2	98.2	5.4	85	6.5	5.8	5.2	82	0.91	0.072
STD DS7	Standard	23.3	115.0	74.9	415	1.0	60.2	9.8	661	2.50	54.4	5.2	65.3	5.5	85	6.6	6.4	4.7	92	1.05	0.078
STD DS7	Standard	20.7	111.8	71.3	372	1.0	58.0	9.3	603	2.27	48.7	5.0	63.5	4.9	71	6.0	5.7	4.4	87	0.83	0.072
STD DS7	Standard	20.0	112.6	62.1	415	1.0	57.6	10.4	670	2.53	55.5	4.5	65.5	4.6	75	6.3	5.6	4.3	89	1.04	0.084
STD DS7	Standard	24.1	118.6	78.8	399	1.0	61.5	10.5	640	2.44	50.4	5.5	70.1	5.3	77	6.2	6.2	5.0	96	0.99	0.074
STD DS7	Standard	22.2	110.9	73.9	412	1.0	60.9	9.6	639	2.44	51.6	5.2	139.2	5.2	86	6.0	6.7	4.8	91	1.00	0.073
STD DS7	Standard	22.8	125.1	75.9	437	1.1	61.8	10.9	717	2.74	61.7	5.3	88.2	5.2	85	7.4	6.8	5.2	95	1.08	0.090
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	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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Val D'Or QC J9P 1S5 Canada

Project: QUARTZ
Report Date: October 18, 2010

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI10000478.1

		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
22629	Soil	3	17	1.82	96	0.047	<1	2.82	0.004	0.03	<0.1	0.02	6.1	<0.1	<0.05	8	<0.5	<0.2
REP 22629	QC	3	16	1.82	90	0.046	<1	2.74	0.004	0.03	<0.1	0.02	5.8	<0.1	<0.05	7	<0.5	<0.2
22650	Soil	12	22	0.56	283	0.042	<1	1.49	0.010	0.05	0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
REP 22650	QC	13	23	0.55	283	0.044	<1	1.48	0.009	0.05	0.1	0.05	2.8	<0.1	<0.05	4	<0.5	<0.2
22654	Soil	14	18	0.40	388	0.037	1	0.96	0.007	0.09	0.1	<0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
REP 22654	QC	14	18	0.39	380	0.038	1	0.98	0.007	0.09	0.1	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	206	1.05	388	0.130	38	1.04	0.102	0.46	3.6	0.25	2.6	4.2	0.18	5	3.6	1.1
STD DS7	Standard	13	193	1.11	427	0.127	45	1.01	0.104	0.50	3.7	0.22	2.7	4.2	0.19	5	3.4	1.5
STD DS7	Standard	14	185	1.00	397	0.137	36	1.00	0.100	0.45	3.6	0.21	2.7	3.9	0.19	4	3.2	1.8
STD DS7	Standard	15	213	1.09	426	0.139	40	1.10	0.106	0.46	4.1	0.23	2.8	4.2	0.20	5	3.1	1.4
STD DS7	Standard	14	208	1.00	383	0.129	34	0.97	0.089	0.43	3.5	0.20	2.4	3.9	0.19	4	3.2	0.9
STD DS7	Standard	13	200	1.13	372	0.141	43	1.14	0.112	0.51	3.5	0.21	3.1	4.0	0.19	5	3.6	0.8
STD DS7	Standard	14	218	1.10	411	0.144	42	1.10	0.103	0.50	3.8	0.22	2.4	4.3	0.24	5	3.3	1.3
STD DS7	Standard	14	209	1.03	408	0.131	38	1.05	0.102	0.46	4.0	0.22	2.7	4.2	0.19	5	3.7	2.1
STD DS7	Standard	15	221	1.16	441	0.138	43	1.17	0.115	0.52	4.1	0.25	3.0	4.6	0.23	6	3.5	1.4
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<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: Distribution

Receiving Lab: Canada-Whitehorse

Received: September 17, 2010

Report Date: October 12, 2010

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI10000461.1

CLIENT JOB INFORMATION

Project: QUARTZ

Shipment ID:

P.O. Number

Number of Samples: 320

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days

DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



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

QUARTZ

Report Date:

October 12, 2010

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI10000461.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
21862	Soil	0.6	39.4	7.7	67	0.2	33.5	14.9	455	2.68	4.6	0.6	2.3	3.1	13	0.2	0.5	0.1	61	0.31	0.060
21863	Soil	0.9	16.5	21.2	76	<0.1	27.4	12.2	507	2.41	2.8	0.6	1.4	4.6	13	0.1	0.3	0.2	45	0.28	0.061
21864	Soil	0.7	13.6	23.9	70	0.1	16.6	11.1	268	2.02	4.0	1.1	3.0	7.4	18	0.2	0.4	0.2	40	0.25	0.060
21865	Soil	0.7	16.0	14.9	54	0.1	15.8	7.9	182	2.04	6.7	0.9	2.7	6.7	17	0.1	0.6	0.2	40	0.31	0.053
21866	Soil	0.8	21.3	18.2	65	0.1	19.1	9.1	231	2.19	6.0	1.0	1.9	10.6	16	0.1	0.6	0.2	40	0.23	0.056
21867	Soil	0.8	25.7	15.6	67	0.1	21.7	9.7	259	2.32	7.8	1.0	1.5	8.1	21	0.2	0.9	0.2	43	0.28	0.064
21868	Soil	1.1	20.1	14.7	62	0.1	17.2	7.4	159	2.67	12.1	1.1	2.1	5.8	17	0.2	0.7	0.2	49	0.25	0.059
21869	Soil	1.2	10.6	14.7	47	0.1	12.1	4.7	120	1.84	7.8	1.1	1.5	4.0	13	0.1	0.5	0.2	38	0.16	0.052
21870	Soil	1.1	10.9	14.8	49	0.1	11.9	6.1	173	1.77	5.3	1.5	3.4	7.5	25	0.1	0.4	0.2	32	0.36	0.043
21871	Soil	0.3	6.6	12.0	22	0.1	11.3	2.8	76	0.77	2.5	0.8	2.7	2.8	8	<0.1	0.5	0.1	11	0.08	0.029
21872	Soil	1.2	13.3	9.0	51	<0.1	13.5	5.6	252	1.87	5.6	1.3	1.0	4.5	12	<0.1	0.3	<0.1	20	0.18	0.043
21873	Soil	0.6	20.4	14.6	42	<0.1	30.6	8.6	209	1.94	21.8	1.0	1.0	4.6	9	<0.1	0.4	0.2	29	0.12	0.038
21874	Soil	0.9	12.1	14.9	43	<0.1	11.5	5.5	208	1.96	4.0	1.7	1.6	9.5	7	0.1	0.6	0.1	24	0.08	0.028
21875	Soil	0.6	13.4	22.0	45	<0.1	9.1	5.4	402	1.64	2.1	1.4	<0.5	10.6	5	<0.1	0.5	0.2	17	0.09	0.050
21876	Soil	0.6	10.1	25.5	37	<0.1	10.0	4.7	270	1.47	5.2	1.1	<0.5	6.4	7	0.1	0.4	0.1	15	0.10	0.045
21877	Soil	0.6	13.1	18.3	41	0.3	12.0	5.0	173	1.52	3.0	2.2	7.4	10.2	12	0.1	0.3	0.2	20	0.15	0.053
21878	Soil	0.3	10.0	11.9	46	0.1	11.4	3.8	118	1.05	2.3	1.3	1.4	6.9	16	0.2	0.3	0.1	21	0.21	0.049
21879	Soil	0.5	3.9	8.9	22	<0.1	5.0	1.8	68	0.77	3.0	0.7	1.5	2.6	10	0.1	0.3	0.1	13	0.15	0.052
21880	Soil	1.1	19.2	18.8	66	0.2	27.5	9.3	248	2.13	4.5	1.7	7.0	6.6	16	0.1	0.4	0.4	37	0.21	0.060
21881	Soil	1.3	15.4	20.7	69	0.1	18.0	7.3	281	2.11	3.4	2.1	1.0	9.4	19	0.1	0.3	0.4	26	0.14	0.051
21882	Soil	2.4	9.7	9.5	42	<0.1	17.5	6.5	280	2.36	2.2	3.1	1.2	14.1	7	0.1	0.2	1.1	22	0.08	0.028
21883	Soil	1.3	19.2	13.5	49	<0.1	16.4	6.6	239	1.96	6.0	1.2	1.3	8.3	13	0.1	0.5	0.2	36	0.12	0.028
21884	Soil	1.2	14.1	11.2	43	<0.1	13.0	6.4	270	2.03	5.6	1.4	1.7	8.3	10	<0.1	0.5	0.2	38	0.08	0.027
21885	Soil	1.0	14.1	9.1	40	<0.1	11.9	6.7	287	2.06	6.0	1.3	2.7	10.7	7	<0.1	0.4	0.3	35	0.06	0.025
21886	Soil	1.1	12.8	14.0	43	<0.1	11.3	6.9	292	2.25	7.1	1.1	1.3	8.2	12	<0.1	0.4	0.4	49	0.09	0.028
21887	Soil	0.7	9.4	18.4	28	<0.1	8.6	3.8	132	1.34	4.2	1.3	0.7	11.4	12	<0.1	0.5	0.2	25	0.07	0.016
21888	Soil	1.4	5.6	16.7	15	<0.1	1.3	0.9	37	0.64	2.4	0.9	<0.5	6.7	5	<0.1	0.3	0.5	14	0.01	0.008
21889	Soil	0.7	7.3	15.0	69	<0.1	4.6	3.0	153	0.87	2.5	1.7	1.1	14.5	4	0.2	0.5	0.3	8	0.02	0.011
21890	Soil	1.5	23.2	24.1	79	0.3	14.1	7.2	280	2.48	8.2	1.6	2.9	12.0	10	0.2	0.7	0.3	54	0.07	0.026
21891	Soil	0.9	20.1	19.1	50	0.2	17.0	7.3	261	2.12	7.7	1.4	3.6	15.7	10	0.1	0.5	0.2	42	0.11	0.039



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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
21862	Soil	17	52	1.01	253	0.037	<1	1.56	0.007	0.05	0.1	0.05	5.5	<0.1	<0.05	5	<0.5
21863	Soil	11	39	0.85	194	0.031	<1	1.15	0.006	0.05	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5
21864	Soil	24	30	0.68	337	0.049	1	1.18	0.011	0.07	0.2	0.04	3.2	0.1	<0.05	4	<0.5
21865	Soil	21	25	0.50	234	0.041	1	1.16	0.009	0.06	0.3	0.03	2.9	0.1	<0.05	4	<0.5
21866	Soil	33	25	0.53	331	0.053	<1	1.25	0.009	0.07	0.2	0.03	3.3	0.1	<0.05	4	<0.5
21867	Soil	26	26	0.50	385	0.051	1	1.20	0.012	0.06	0.2	0.03	3.6	<0.1	<0.05	4	0.5
21868	Soil	27	24	0.48	338	0.037	<1	1.30	0.012	0.06	0.1	0.04	3.0	0.1	<0.05	4	<0.5
21869	Soil	23	19	0.34	266	0.028	<1	1.06	0.008	0.05	0.2	0.04	1.9	<0.1	<0.05	4	<0.5
21870	Soil	28	18	0.39	495	0.029	<1	1.08	0.009	0.05	0.2	0.04	2.4	<0.1	<0.05	3	<0.5
21871	Soil	16	20	0.28	67	0.022	1	0.50	0.003	0.07	0.1	0.01	1.0	0.1	<0.05	2	<0.5
21872	Soil	9	18	0.55	125	0.071	<1	0.95	0.004	0.28	<0.1	<0.01	2.1	0.2	<0.05	4	<0.5
21873	Soil	12	21	0.47	102	0.059	1	1.02	0.005	0.14	<0.1	<0.01	2.6	0.2	<0.05	3	<0.5
21874	Soil	18	14	0.25	74	0.025	2	0.91	0.004	0.11	<0.1	<0.01	2.8	0.1	<0.05	3	<0.5
21875	Soil	16	14	0.40	84	0.040	<1	0.67	0.003	0.24	<0.1	<0.01	3.0	0.2	<0.05	3	<0.5
21876	Soil	15	11	0.28	78	0.027	<1	0.64	0.003	0.13	<0.1	<0.01	1.8	0.1	<0.05	2	<0.5
21877	Soil	60	16	0.34	255	0.029	<1	0.80	0.005	0.11	0.1	0.02	3.7	0.2	<0.05	3	<0.5
21878	Soil	35	16	0.32	308	0.034	<1	0.77	0.009	0.07	0.2	0.04	2.8	0.1	<0.05	3	<0.5
21879	Soil	13	7	0.19	158	0.019	<1	0.41	0.004	0.05	<0.1	0.01	1.0	<0.1	<0.05	2	<0.5
21880	Soil	32	27	0.73	406	0.049	<1	1.33	0.013	0.06	0.1	0.03	2.2	<0.1	<0.05	4	<0.5
21881	Soil	33	22	0.68	280	0.049	<1	1.12	0.007	0.08	0.1	<0.01	2.0	<0.1	<0.05	3	0.6
21882	Soil	32	22	0.72	214	0.031	<1	1.12	0.005	0.05	<0.1	<0.01	2.0	<0.1	<0.05	3	1.0
21883	Soil	29	22	0.44	361	0.054	<1	1.15	0.008	0.06	0.2	0.03	3.1	<0.1	<0.05	3	<0.5
21884	Soil	29	21	0.40	347	0.050	<1	1.17	0.008	0.06	0.1	0.03	2.6	<0.1	<0.05	4	<0.5
21885	Soil	25	20	0.38	347	0.038	1	1.19	0.006	0.05	0.1	0.03	2.5	<0.1	<0.05	3	0.5
21886	Soil	26	26	0.38	444	0.045	<1	1.46	0.008	0.06	0.2	0.03	3.4	0.1	<0.05	5	<0.5
21887	Soil	36	14	0.24	480	0.025	<1	0.90	0.003	0.07	0.1	0.01	1.9	0.1	<0.05	3	0.7
21888	Soil	14	3	0.04	170	0.013	<1	0.35	0.003	0.06	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5
21889	Soil	32	12	0.15	321	0.004	<1	0.72	0.002	0.08	<0.1	0.01	2.1	<0.1	<0.05	2	<0.5
21890	Soil	43	30	0.42	352	0.068	1	1.75	0.010	0.09	0.1	0.05	4.1	0.1	<0.05	5	<0.5
21891	Soil	28	24	0.44	293	0.050	2	1.49	0.011	0.08	0.1	0.03	3.0	0.1	<0.05	4	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	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
21892	Soil	4.5	23.5	63.8	104	<0.1	12.2	13.1	420	2.41	4.7	1.5	0.8	7.9	10	0.4	0.4	0.4	40	0.11	0.042
21893	Soil	0.9	13.4	24.6	42	<0.1	11.4	4.1	188	1.76	5.8	1.1	5.5	9.3	10	0.2	0.6	0.2	34	0.11	0.034
21894	Soil	2.0	15.1	17.9	42	0.1	9.6	7.2	392	2.94	9.8	1.1	0.8	4.7	7	0.2	0.6	0.2	55	0.06	0.043
21895	Soil	1.4	20.3	37.0	160	0.2	4.9	5.0	211	1.76	3.4	1.7	1.5	10.9	7	0.3	1.9	0.3	15	0.04	0.043
21896	Soil	1.1	12.7	45.3	106	0.3	6.9	7.0	498	1.32	3.0	1.9	3.8	14.2	12	0.3	0.6	0.3	10	0.14	0.048
21897	Soil	0.8	11.0	25.0	66	<0.1	11.1	7.8	308	1.81	3.5	1.2	1.8	11.0	12	0.1	0.3	0.1	27	0.18	0.045
21899	Soil	0.9	26.2	19.0	73	0.2	30.0	10.8	389	2.30	5.6	0.8	1.6	6.0	9	0.2	0.3	0.2	33	0.15	0.043
21900	Soil	0.5	62.5	4.4	49	0.1	64.3	19.0	493	3.05	2.7	0.7	4.2	2.1	13	<0.1	0.3	<0.1	63	0.28	0.063
21901	Soil	0.5	146.2	6.0	93	0.3	133.0	21.2	534	4.17	3.0	0.9	4.6	4.0	22	0.2	0.2	0.1	100	0.34	0.070
21902	Soil	1.3	62.3	137.2	85	0.2	7.1	4.1	151	0.82	1.3	1.4	0.7	22.3	8	0.2	1.1	0.9	2	<0.01	0.012
21903	Soil	0.8	21.6	17.8	37	<0.1	16.4	10.7	242	2.53	6.7	1.1	1.5	6.0	16	<0.1	0.8	0.2	41	0.29	0.041
21904	Soil	0.7	7.1	13.8	28	<0.1	5.5	5.0	196	1.16	2.3	1.7	<0.5	14.1	12	<0.1	0.3	0.3	15	0.04	0.019
21905	Soil	0.8	6.4	13.4	37	<0.1	8.7	7.0	390	1.91	5.5	0.6	<0.5	5.9	7	<0.1	0.6	0.2	29	0.07	0.055
21906	Soil	0.6	24.2	8.1	74	<0.1	41.1	25.1	700	4.73	2.9	0.6	0.9	3.1	23	<0.1	0.6	<0.1	129	0.47	0.171
21907	Soil	1.0	23.6	14.9	45	0.1	25.6	13.7	717	3.18	10.6	1.6	2.3	5.9	19	0.1	1.2	0.2	46	0.49	0.063
21908	Soil	0.5	6.0	16.2	44	<0.1	6.1	5.7	299	1.86	3.7	1.2	<0.5	13.0	6	0.3	0.4	0.2	18	0.03	0.017
21909	Soil	2.4	12.2	10.8	35	<0.1	11.0	6.4	278	2.12	6.3	1.2	1.3	14.2	6	<0.1	0.5	0.4	27	0.04	0.028
21910	Soil	2.0	9.7	12.8	50	<0.1	14.2	7.5	253	2.93	9.5	1.6	0.7	11.9	8	<0.1	0.6	0.4	50	0.06	0.021
21911	Soil	0.7	11.9	17.2	42	<0.1	14.9	5.6	160	2.68	9.5	1.0	1.0	8.6	12	0.2	0.7	0.2	50	0.10	0.029
21912	Soil	0.9	8.7	20.5	48	<0.1	11.0	6.0	222	2.39	7.3	0.8	2.2	7.5	7	0.2	0.6	0.2	34	0.06	0.033
21913	Soil	0.3	9.6	26.0	53	<0.1	6.6	3.7	246	1.64	3.2	2.1	1.6	22.9	10	0.1	0.6	0.2	14	0.06	0.022
21914	Soil	0.5	7.5	14.1	33	<0.1	8.8	4.2	168	1.46	5.0	0.8	0.7	8.9	5	<0.1	0.6	0.2	21	0.04	0.013
21915	Soil	0.4	16.8	11.6	30	0.1	22.2	7.3	235	1.67	5.1	2.7	10.1	10.4	12	<0.1	0.5	0.1	20	0.15	0.046
21916	Soil	0.5	4.7	13.6	23	<0.1	4.4	2.4	136	1.20	3.8	1.2	6.0	7.3	9	<0.1	0.4	0.2	20	0.08	0.035
21917	Soil	0.5	5.2	12.8	29	<0.1	5.2	2.9	179	1.29	4.1	1.0	<0.5	5.3	15	<0.1	0.3	0.2	21	0.11	0.040
21918	Soil	0.7	13.6	22.6	51	<0.1	11.2	5.2	292	1.94	17.6	3.2	6.6	12.3	9	0.2	0.4	0.2	17	0.15	0.068
21919	Soil	0.4	5.2	13.4	24	<0.1	2.4	2.8	260	0.81	2.8	0.9	<0.5	6.3	14	<0.1	0.3	0.1	9	0.11	0.038
21920	Soil	0.6	3.9	15.3	24	<0.1	1.8	1.8	159	1.04	2.9	1.2	0.7	9.5	9	<0.1	0.5	<0.1	12	0.09	0.043
21921	Soil	0.9	14.2	13.1	49	<0.1	17.0	6.5	291	2.13	8.6	1.2	1.5	5.4	11	0.1	0.5	0.2	35	0.10	0.039
21922	Soil	0.4	3.9	15.7	23	<0.1	3.9	3.0	155	1.06	3.9	1.3	1.1	11.3	8	0.1	0.5	0.2	8	0.05	0.022



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
21892	Soil	11	27	0.58	255	0.061	<1	1.35	0.005	0.18	<0.1	0.02	3.9	0.3	<0.05	4	<0.5
21893	Soil	24	18	0.29	275	0.032	<1	1.11	0.005	0.07	0.1	0.03	2.2	0.1	<0.05	4	<0.5
21894	Soil	14	23	0.29	130	0.049	<1	1.37	0.005	0.09	0.1	0.02	2.0	0.1	<0.05	5	<0.5
21895	Soil	19	7	0.20	81	0.026	<1	0.59	0.005	0.08	0.4	0.02	1.4	0.1	<0.05	2	<0.5
21896	Soil	38	7	0.26	493	0.028	<1	0.53	0.004	0.14	0.4	0.04	2.0	0.2	<0.05	2	<0.5
21897	Soil	16	19	0.63	226	0.060	<1	0.92	0.004	0.12	0.1	0.01	2.1	0.1	<0.05	3	<0.5
21899	Soil	15	51	1.18	163	0.039	<1	1.37	0.004	0.08	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5
21900	Soil	12	108	1.57	164	0.031	1	1.96	0.007	0.03	<0.1	0.07	6.7	<0.1	<0.05	5	<0.5
21901	Soil	23	140	2.48	329	0.061	<1	2.58	0.006	0.21	<0.1	0.11	8.4	0.2	<0.05	8	0.5
21902	Soil	26	3	0.04	143	0.002	<1	0.68	0.002	0.06	<0.1	0.16	0.7	<0.1	<0.05	1	<0.5
21903	Soil	19	23	0.32	367	0.029	1	1.26	0.007	0.05	<0.1	0.03	6.0	<0.1	<0.05	4	0.6
21904	Soil	19	8	0.25	131	0.018	<1	0.70	0.003	0.06	<0.1	0.02	1.3	<0.1	<0.05	2	<0.5
21905	Soil	7	14	0.26	105	0.035	<1	0.95	0.004	0.08	0.1	<0.01	2.1	<0.1	<0.05	3	<0.5
21906	Soil	14	150	2.41	469	0.123	1	2.71	0.005	0.42	<0.1	<0.01	5.7	0.3	<0.05	9	<0.5
21907	Soil	28	26	0.38	396	0.030	1	1.17	0.014	0.08	0.1	0.04	7.0	0.1	<0.05	4	0.5
21908	Soil	11	10	0.38	106	0.042	1	0.96	0.002	0.32	<0.1	0.01	2.7	0.4	<0.05	3	<0.5
21909	Soil	8	18	0.35	165	0.031	<1	1.92	0.005	0.06	0.1	0.03	2.6	0.1	<0.05	4	<0.5
21910	Soil	14	25	0.39	237	0.052	<1	1.92	0.007	0.05	0.2	0.02	2.8	0.1	<0.05	6	<0.5
21911	Soil	25	25	0.37	302	0.057	1	1.58	0.006	0.05	0.2	0.05	2.9	<0.1	<0.05	5	<0.5
21912	Soil	16	18	0.31	133	0.033	1	1.76	0.005	0.08	0.2	0.02	2.3	0.1	<0.05	5	0.6
21913	Soil	119	9	0.25	129	0.036	1	0.95	0.004	0.20	0.1	<0.01	3.4	0.3	<0.05	5	<0.5
21914	Soil	11	13	0.21	103	0.019	2	0.96	0.003	0.06	0.2	0.01	2.1	<0.1	<0.05	2	<0.5
21915	Soil	49	35	0.23	261	0.018	2	0.66	0.007	0.05	<0.1	0.02	5.0	<0.1	<0.05	2	<0.5
21916	Soil	9	9	0.18	78	0.028	6	0.55	0.002	0.09	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5
21917	Soil	10	8	0.25	84	0.039	1	0.55	0.002	0.11	0.1	<0.01	1.0	0.1	<0.05	3	<0.5
21918	Soil	34	8	0.21	209	0.026	1	0.64	0.001	0.14	<0.1	<0.01	3.5	0.1	<0.05	3	<0.5
21919	Soil	10	4	0.20	52	0.034	1	0.39	0.002	0.09	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5
21920	Soil	14	3	0.13	74	0.025	<1	0.38	0.002	0.09	0.1	<0.01	1.6	<0.1	<0.05	2	<0.5
21921	Soil	18	18	0.35	362	0.041	1	1.21	0.004	0.07	0.1	0.01	2.9	0.1	<0.05	5	<0.5
21922	Soil	7	5	0.15	51	0.013	<1	0.62	0.002	0.09	<0.1	<0.01	2.4	<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		
					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
21923	Soil																							
21924	Soil																							
21925	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
21923	Soil	24	23	0.36	338	0.051	<1	1.66	0.009	0.07	<0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
21924	Soil	24	6	0.24	136	0.012	<1	0.74	0.002	0.06	<0.1	0.02	1.3	<0.1	<0.05	1	<0.5	<0.2
21925	Soil	5	34	1.95	217	0.225	<1	2.44	0.005	0.74	<0.1	0.02	3.5	0.4	<0.05	6	<0.5	<0.2
21926	Soil	6	4	0.33	71	0.018	<1	0.69	0.003	0.03	0.1	<0.01	0.6	<0.1	<0.05	4	0.5	<0.2
21927	Soil	6	11	0.21	138	0.023	<1	1.06	0.007	0.04	<0.1	0.01	1.2	<0.1	<0.05	3	1.2	<0.2
21928	Soil	11	18	0.36	146	0.038	2	1.48	0.006	0.05	0.2	<0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
21929	Soil	18	13	0.17	142	0.030	<1	1.13	0.005	0.04	0.2	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
21930	Soil	8	5	0.16	94	0.015	<1	0.56	0.002	0.06	0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
21931	Soil	7	10	0.35	192	0.066	1	0.78	0.003	0.17	<0.1	<0.01	2.0	0.2	<0.05	3	<0.5	<0.2
21932	Soil	16	9	0.24	369	0.069	<1	0.73	0.004	0.12	<0.1	<0.01	1.1	0.1	<0.05	4	<0.5	<0.2
21933	Soil	56	24	0.37	354	0.060	<1	1.26	0.007	0.06	0.1	0.15	4.3	0.1	<0.05	4	<0.5	<0.2
21934	Soil	26	12	0.20	280	0.021	<1	0.90	0.003	0.10	0.1	0.02	1.3	0.1	<0.05	3	<0.5	<0.2
21935	Soil	17	9	0.38	172	0.026	<1	0.75	0.002	0.07	0.1	<0.01	1.5	0.1	<0.05	2	<0.5	<0.2
21936	Soil	4	94	1.44	62	0.064	<1	1.55	0.002	0.05	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
21937	Soil	3	91	1.35	44	0.052	<1	1.41	0.003	<0.01	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
21938	Soil	14	57	1.02	627	0.063	1	1.40	0.004	0.42	<0.1	0.13	12.1	0.3	<0.05	5	<0.5	<0.2
21939	Soil	8	165	0.78	230	0.009	1	1.01	0.003	0.04	<0.1	0.06	24.5	<0.1	<0.05	4	<0.5	<0.2
21940	Soil	95	36	1.21	501	0.081	2	1.62	0.004	0.36	<0.1	0.02	11.3	0.5	<0.05	5	<0.5	<0.2
21941	Soil	46	92	1.97	428	0.190	<1	2.19	0.003	0.80	<0.1	0.02	15.6	1.0	<0.05	7	<0.5	<0.2
21942	Soil	43	72	1.96	127	0.051	<1	1.97	0.003	0.04	<0.1	0.01	8.3	0.1	<0.05	5	<0.5	<0.2
21943	Soil	17	4	0.18	62	0.014	<1	0.52	0.002	0.11	<0.1	<0.01	1.6	0.1	<0.05	2	<0.5	<0.2
21944	Soil	19	16	0.47	137	0.042	1	1.23	0.004	0.20	0.1	0.02	3.6	0.3	<0.05	4	<0.5	<0.2
21945	Soil	43	25	1.53	462	0.144	<1	2.40	0.004	1.25	<0.1	<0.01	3.6	0.6	<0.05	8	<0.5	<0.2
21946	Soil	20	4	0.05	260	0.013	<1	0.30	0.002	0.05	<0.1	<0.01	0.4	<0.1	<0.05	1	<0.5	<0.2
21947	Soil	13	4	0.13	74	0.002	<1	0.44	0.002	0.05	<0.1	<0.01	1.4	<0.1	<0.05	<1	<0.5	<0.2
21948	Soil	76	14	0.22	415	0.016	<1	1.06	0.004	0.06	0.2	0.02	2.9	<0.1	<0.05	2	<0.5	<0.2
21949	Soil	16	34	0.62	183	0.039	1	1.21	0.002	0.18	0.2	<0.01	7.0	0.2	<0.05	5	<0.5	<0.2
21950	Soil	28	6	0.06	178	0.005	<1	0.63	0.003	0.08	0.1	<0.01	1.7	<0.1	<0.05	1	<0.5	<0.2
21951	Soil	63	6	0.11	69	0.011	<1	0.58	0.002	0.08	0.2	0.01	2.5	<0.1	<0.05	2	<0.5	<0.2
21952	Soil	13	20	0.34	132	0.036	1	1.32	0.005	0.06	0.2	0.02	2.2	<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
21953	Soil	0.6	20.5	7.8	34	<0.1	22.0	9.5	176	1.98	6.3	0.7	1.3	3.2	12	<0.1	0.4	0.1	34	0.12	0.031
21954	Soil	0.5	6.4	19.8	22	<0.1	7.0	3.7	132	1.29	4.5	1.1	0.8	11.7	8	<0.1	0.5	0.2	19	0.05	0.011
21955	Soil	0.5	12.3	20.4	39	<0.1	5.5	3.7	242	1.53	11.1	2.2	7.2	14.8	8	0.1	0.5	0.1	15	0.06	0.035
21956	Soil	0.4	5.5	19.4	9	<0.1	2.3	3.3	165	0.73	1.5	1.7	<0.5	5.3	8	<0.1	0.2	0.3	5	0.10	0.062
21957	Soil	0.8	9.5	21.8	36	<0.1	13.5	6.1	230	1.87	7.5	1.1	1.3	9.1	8	<0.1	0.6	0.2	25	0.06	0.025
21958	Soil	0.9	11.6	28.2	48	<0.1	9.4	4.5	240	1.89	7.0	1.0	1.0	6.6	8	0.1	0.6	0.3	30	0.05	0.028
21959	Soil	0.8	29.3	23.9	34	<0.1	27.6	7.5	138	2.01	11.4	1.4	0.9	7.7	9	<0.1	0.4	0.4	25	0.08	0.020
21960	Soil	0.3	4.4	24.0	18	<0.1	1.4	1.0	85	0.91	4.2	1.2	0.9	8.4	2	<0.1	0.5	0.3	6	0.01	0.011
21961	Soil	1.1	11.9	24.6	44	0.1	9.3	4.6	145	2.42	10.7	2.2	0.6	9.5	5	<0.1	0.5	0.3	31	0.04	0.024
21962	Soil	0.9	12.8	25.9	72	<0.1	10.4	4.4	151	1.77	6.4	1.5	1.5	15.9	6	<0.1	0.5	0.4	28	0.04	0.013
21963	Soil	1.0	2.9	6.7	12	<0.1	2.2	1.0	66	0.75	1.4	0.7	<0.5	2.4	6	<0.1	0.1	0.8	17	0.04	0.019
21964	Soil	2.2	11.0	9.3	34	<0.1	12.1	6.0	217	2.63	7.0	1.3	<0.5	14.1	5	<0.1	0.5	0.4	30	0.04	0.020
21965	Soil	0.9	11.0	24.9	45	<0.1	13.1	5.9	161	2.06	7.3	1.0	<0.5	12.7	7	<0.1	0.6	0.3	39	0.05	0.027
21966	Soil	0.7	4.7	12.7	23	<0.1	4.9	2.2	86	0.82	0.7	0.9	0.7	8.6	3	<0.1	0.2	<0.1	7	0.02	0.007
21967	Soil	0.6	8.0	19.5	26	0.2	7.3	2.8	92	1.12	3.6	0.9	0.9	11.2	5	<0.1	0.4	0.1	17	0.03	0.012
21968	Soil	0.8	19.7	17.7	38	<0.1	12.2	6.3	227	1.70	5.8	1.9	3.2	12.1	12	<0.1	0.6	0.2	29	0.09	0.022
21969	Soil	0.5	15.8	31.7	61	<0.1	9.3	4.6	199	1.48	4.5	1.4	2.5	15.2	10	0.2	0.6	0.3	18	0.10	0.037
21970	Soil	0.9	11.0	29.0	52	<0.1	10.1	4.8	145	1.59	4.4	0.8	1.3	8.8	9	<0.1	0.6	0.2	21	0.06	0.022
21971	Soil	0.7	12.6	17.0	41	<0.1	10.2	5.3	210	1.40	3.9	0.8	1.7	9.6	11	0.1	0.4	0.2	17	0.10	0.034
21972	Soil	0.2	27.0	2.5	55	<0.1	39.5	20.4	597	3.27	2.2	0.4	1.4	1.3	15	<0.1	0.2	<0.1	67	0.39	0.111
21973	Soil	0.4	37.9	5.1	41	0.1	39.1	16.4	409	2.46	3.1	0.4	19.2	2.8	8	<0.1	0.2	<0.1	52	0.26	0.052
21974	Soil	0.4	45.8	4.1	37	<0.1	46.9	15.4	332	2.60	3.0	0.3	10.6	1.5	9	<0.1	0.2	<0.1	65	0.26	0.034
21975	Soil	0.2	53.0	2.7	31	<0.1	43.8	15.7	317	2.05	1.9	0.2	1.4	0.9	10	<0.1	0.1	<0.1	42	0.31	0.050
21976	Soil	0.3	90.6	4.3	68	0.2	116.7	22.1	638	3.63	8.9	0.4	2.1	2.4	16	<0.1	0.2	0.1	92	0.42	0.075
21977	Soil	1.3	14.5	61.8	68	<0.1	10.0	4.3	137	1.98	6.6	0.7	1.0	8.9	6	0.2	1.2	0.5	34	0.05	0.018
21978	Soil	0.9	21.5	30.1	51	<0.1	19.9	12.9	263	2.57	4.9	2.8	1.2	15.4	10	0.1	1.0	0.2	32	0.06	0.026
21979	Soil	0.3	11.8	9.1	22	<0.1	7.3	6.2	201	1.02	1.8	0.9	<0.5	9.7	6	0.2	0.4	0.3	11	0.09	0.044
21980	Soil	0.7	11.5	17.1	38	<0.1	11.7	5.3	169	1.83	8.6	1.0	2.3	12.4	7	<0.1	0.4	0.2	29	0.07	0.023
21981	Soil	0.9	17.5	19.2	56	<0.1	16.8	9.0	262	2.23	4.3	1.2	1.3	11.7	9	0.1	0.3	0.2	37	0.11	0.041
21982	Soil	0.3	9.8	12.1	33	<0.1	7.0	6.3	176	1.36	1.8	1.0	<0.5	10.4	12	<0.1	0.2	0.1	15	0.12	0.040



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	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
21953	Soil	9	36	0.51	126	0.049	<1	1.44	0.004	0.03	0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
21954	Soil	9	12	0.17	102	0.023	<1	0.85	0.003	0.04	0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
21955	Soil	19	8	0.19	177	0.029	<1	0.68	0.003	0.12	<0.1	0.01	3.2	0.1	<0.05	3	<0.5	<0.2
21956	Soil	6	3	0.04	75	0.011	<1	0.25	0.002	0.10	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
21957	Soil	12	16	0.25	120	0.024	<1	1.23	0.004	0.07	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
21958	Soil	9	18	0.26	81	0.028	<1	1.13	0.004	0.05	0.1	0.03	1.8	<0.1	<0.05	3	<0.5	0.2
21959	Soil	12	20	0.40	120	0.101	<1	1.05	0.003	0.07	<0.1	0.02	3.3	0.1	<0.05	3	<0.5	<0.2
21960	Soil	20	3	0.04	107	0.004	<1	0.43	0.002	0.05	0.1	<0.01	1.6	<0.1	<0.05	2	<0.5	<0.2
21961	Soil	18	16	0.23	235	0.013	<1	1.40	0.004	0.08	0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
21962	Soil	11	18	0.29	146	0.028	<1	1.26	0.004	0.03	0.1	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
21963	Soil	12	7	0.21	119	0.021	<1	0.51	0.003	0.03	0.1	<0.01	0.5	<0.1	<0.05	3	<0.5	<0.2
21964	Soil	14	19	0.64	202	0.026	<1	1.80	0.005	0.04	0.2	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
21965	Soil	41	21	0.33	226	0.034	<1	1.43	0.004	0.05	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
21966	Soil	5	7	0.30	47	0.017	<1	0.56	0.001	0.06	<0.1	<0.01	1.6	0.1	<0.05	2	<0.5	<0.2
21967	Soil	12	10	0.21	133	0.017	<1	0.71	0.002	0.04	<0.1	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
21968	Soil	66	18	0.29	548	0.034	<1	0.92	0.005	0.04	0.2	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
21969	Soil	49	13	0.36	243	0.032	<1	0.89	0.003	0.06	<0.1	0.02	2.0	0.1	<0.05	2	<0.5	<0.2
21970	Soil	12	14	0.32	263	0.031	<1	1.01	0.009	0.07	0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
21971	Soil	23	11	0.34	327	0.039	2	0.73	0.003	0.13	0.1	0.01	1.3	0.2	<0.05	2	<0.5	<0.2
21972	Soil	7	85	1.57	319	0.054	1	1.85	0.005	0.07	<0.1	0.01	5.3	<0.1	<0.05	5	<0.5	<0.2
21973	Soil	10	77	1.26	147	0.038	2	1.42	0.003	0.03	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
21974	Soil	6	88	1.41	143	0.037	1	1.59	0.005	0.03	<0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
21975	Soil	5	74	1.19	130	0.032	1	1.34	0.003	0.02	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
21976	Soil	14	142	2.17	203	0.041	2	2.32	0.003	0.06	<0.1	0.04	7.7	<0.1	<0.05	7	<0.5	<0.2
21977	Soil	13	19	0.26	266	0.023	2	1.07	0.006	0.05	0.1	0.06	1.4	<0.1	<0.05	4	<0.5	<0.2
21978	Soil	41	27	0.27	306	0.010	3	0.89	0.005	0.10	<0.1	0.04	5.0	0.2	<0.05	2	<0.5	<0.2
21979	Soil	6	9	0.17	39	0.017	1	0.42	0.001	0.06	<0.1	<0.01	2.3	<0.1	<0.05	1	<0.5	<0.2
21980	Soil	18	18	0.36	143	0.037	1	1.13	0.006	0.11	0.1	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
21981	Soil	31	35	0.77	164	0.072	2	1.32	0.004	0.22	<0.1	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
21982	Soil	6	11	0.49	79	0.057	1	0.78	0.002	0.25	<0.1	<0.01	1.6	0.2	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo 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
21983	Soil	0.4	5.2	26.9	29	<0.1	6.3	3.7	171	1.28	6.8	1.7	<0.5	17.6	9	<0.1	0.2	0.2	12	0.08	0.034
21984	Soil	1.8	4.7	7.9	15	<0.1	5.3	2.9	72	1.25	4.0	1.3	0.8	11.3	4	<0.1	0.4	0.3	18	0.02	0.015
21985	Soil	1.4	20.7	59.0	51	0.2	18.3	8.2	213	2.14	8.5	1.2	2.8	16.3	6	<0.1	1.1	0.5	36	0.05	0.021
21986	Soil	0.9	13.2	29.4	40	0.2	11.1	4.6	126	1.53	3.8	0.9	0.7	10.9	4	<0.1	0.6	0.2	20	0.04	0.014
21987	Soil	1.3	14.1	20.1	50	0.3	15.4	6.7	260	2.42	8.8	0.9	3.7	13.6	7	<0.1	0.6	0.2	45	0.06	0.028
21988	Soil	0.7	11.3	16.8	42	<0.1	9.2	5.6	181	2.14	5.3	1.2	2.8	12.4	7	<0.1	0.5	0.2	31	0.05	0.019
21989	Soil	0.7	9.2	18.2	36	<0.1	9.8	4.3	138	1.81	8.2	1.0	4.6	6.6	7	0.1	0.5	0.2	33	0.06	0.023
21990	Soil	0.3	2.9	8.6	26	<0.1	1.9	2.0	132	0.89	3.2	0.8	6.6	7.7	3	<0.1	0.3	0.1	9	0.02	0.017
21991	Soil	0.2	37.7	2.8	30	<0.1	37.4	12.0	184	1.39	2.2	0.2	1.2	1.0	12	<0.1	0.1	<0.1	18	0.17	0.034
21992	Soil	1.3	11.6	14.7	41	<0.1	18.6	8.1	257	2.78	10.1	0.6	1.8	5.8	8	0.1	0.6	0.2	52	0.08	0.037
21993	Soil	0.3	25.4	22.9	53	<0.1	20.5	7.2	360	1.62	3.1	1.4	<0.5	12.2	12	<0.1	0.5	0.9	23	0.13	0.054
21994	Soil	0.7	8.2	12.7	34	<0.1	10.2	4.5	181	2.07	6.7	0.6	0.7	2.6	8	<0.1	0.4	0.2	35	0.07	0.037
21995	Soil	0.9	11.2	10.9	34	<0.1	8.7	8.2	247	1.42	5.2	1.1	1.1	7.2	7	0.1	0.4	0.2	28	0.05	0.020
21996	Soil	0.5	6.5	6.6	24	<0.1	6.0	2.7	94	0.78	2.5	0.7	<0.5	5.1	10	<0.1	0.3	<0.1	9	0.08	0.024
21997	Soil	0.3	13.5	7.4	35	<0.1	14.5	6.6	236	1.19	1.6	0.7	<0.5	5.1	8	<0.1	0.2	<0.1	9	0.11	0.030
21998	Soil	0.7	7.9	14.1	31	<0.1	6.8	3.0	145	1.68	8.0	0.8	1.6	5.6	6	0.1	0.4	0.2	24	0.04	0.024
21999	Soil	0.7	43.7	15.5	50	<0.1	44.4	25.9	513	2.35	3.8	0.5	1.2	5.7	13	0.1	0.2	<0.1	37	0.33	0.124
22000	Soil	1.7	7.9	11.6	32	0.1	12.9	3.9	130	1.67	3.2	1.4	<0.5	9.9	8	<0.1	0.2	0.6	23	0.07	0.027
22001	Soil	0.9	16.0	9.3	37	<0.1	13.7	5.5	178	1.92	6.5	1.3	1.5	10.0	9	<0.1	0.5	0.4	35	0.08	0.016
22002	Soil	0.5	9.1	18.8	32	0.1	10.6	5.1	95	1.45	3.1	0.9	<0.5	11.1	4	<0.1	0.3	0.2	30	0.03	0.016
22003	Soil	0.6	9.2	23.1	26	0.1	4.5	2.1	46	0.89	2.6	1.0	1.0	15.9	3	<0.1	0.2	0.4	9	0.01	0.014
22004	Soil	1.0	6.0	8.3	25	<0.1	5.2	2.9	121	1.17	3.9	0.9	<0.5	7.8	6	<0.1	0.3	0.2	20	0.05	0.022
22005	Soil	1.0	11.9	23.9	50	<0.1	12.6	6.4	212	1.97	7.5	1.0	2.2	7.3	11	0.1	0.4	0.2	23	0.12	0.034
22006	Soil	0.7	12.5	11.6	29	0.3	8.5	3.6	120	1.27	3.9	0.9	0.8	4.5	13	<0.1	0.3	0.2	26	0.11	0.026
22007	Soil	0.5	6.8	18.6	57	<0.1	3.8	3.2	141	0.99	1.9	0.8	<0.5	9.6	6	<0.1	0.3	0.1	6	0.10	0.048
22008	Soil	0.5	12.1	15.6	43	0.1	14.9	7.9	251	1.92	3.1	0.6	1.1	5.0	14	<0.1	0.3	0.1	40	0.21	0.056
22009	Soil	0.4	14.8	13.5	47	0.1	17.9	9.4	262	2.31	3.5	0.7	1.5	5.6	13	<0.1	0.3	0.1	38	0.23	0.068
22010	Soil	0.4	20.8	4.7	55	<0.1	9.0	10.6	405	2.72	3.3	0.4	2.4	2.8	8	0.1	0.3	<0.1	60	0.13	0.031
22011	Soil	0.5	25.9	6.2	74	<0.1	19.3	11.1	435	3.16	6.8	0.6	1.7	3.5	10	0.1	0.2	<0.1	57	0.18	0.053
22012	Soil	0.7	47.2	12.0	76	<0.1	39.3	13.1	469	3.46	6.5	0.9	15.7	4.4	12	<0.1	1.2	0.1	62	0.19	0.054



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
21983	Soil	7	11	0.36	48	0.066	<1	0.67	0.002	0.29	<0.1	<0.01	1.9	0.4	<0.05	3	<0.5
21984	Soil	18	9	0.10	261	0.008	<1	0.92	0.004	0.06	<0.1	0.01	1.2	<0.1	<0.05	2	<0.5
21985	Soil	16	24	0.30	288	0.030	1	1.78	0.005	0.07	0.2	0.06	2.4	<0.1	<0.05	4	<0.5
21986	Soil	16	18	0.24	177	0.013	<1	0.97	0.003	0.08	0.1	0.02	3.0	0.1	<0.05	3	<0.5
21987	Soil	14	26	0.37	253	0.035	2	1.87	0.007	0.06	0.1	0.03	2.5	0.1	<0.05	5	<0.5
21988	Soil	16	16	0.30	260	0.022	2	1.26	0.005	0.11	0.1	0.01	2.7	0.1	<0.05	4	<0.5
21989	Soil	18	17	0.25	192	0.026	1	1.10	0.004	0.06	0.2	0.02	1.8	0.1	<0.05	4	<0.5
21990	Soil	5	4	0.11	37	0.015	<1	0.49	0.002	0.08	<0.1	<0.01	1.3	0.1	<0.05	2	<0.5
21991	Soil	2	58	1.04	29	0.066	<1	1.09	0.004	0.02	<0.1	<0.01	0.9	<0.1	<0.05	3	<0.5
21992	Soil	11	31	0.36	205	0.043	2	1.94	0.007	0.04	0.2	0.02	2.3	<0.1	<0.05	5	<0.5
21993	Soil	46	21	0.59	143	0.045	<1	0.91	0.002	0.26	<0.1	<0.01	2.8	0.3	<0.05	3	<0.5
21994	Soil	8	19	0.29	77	0.041	<1	1.26	0.003	0.08	<0.1	0.02	1.5	0.1	<0.05	4	<0.5
21995	Soil	10	17	0.23	109	0.036	1	0.99	0.005	0.05	0.1	0.02	2.5	0.1	<0.05	3	<0.5
21996	Soil	5	6	0.22	56	0.029	<1	0.56	0.001	0.05	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5
21997	Soil	6	10	0.38	96	0.052	<1	0.64	0.001	0.18	<0.1	<0.01	1.5	0.2	<0.05	2	<0.5
21998	Soil	9	12	0.20	181	0.027	<1	0.84	0.003	0.08	<0.1	0.01	1.8	0.1	<0.05	3	<0.5
21999	Soil	25	43	1.64	195	0.073	<1	1.62	0.003	0.06	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5
22000	Soil	18	19	0.55	147	0.036	<1	0.88	0.004	0.04	0.1	0.02	1.2	<0.1	<0.05	4	<0.5
22001	Soil	41	22	0.43	219	0.043	2	1.26	0.007	0.04	0.2	0.02	2.6	<0.1	<0.05	4	<0.5
22002	Soil	16	37	0.76	91	0.013	<1	1.09	0.002	0.04	0.1	0.02	3.0	<0.1	<0.05	3	<0.5
22003	Soil	26	8	0.31	83	0.004	<1	0.65	0.002	0.04	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5
22004	Soil	8	10	0.18	244	0.025	<1	0.57	0.003	0.08	0.3	<0.01	1.2	<0.1	<0.05	2	<0.5
22005	Soil	11	18	0.42	296	0.044	<1	0.90	0.004	0.22	0.1	0.01	2.4	0.2	<0.05	3	<0.5
22006	Soil	17	15	0.22	540	0.028	<1	0.86	0.006	0.06	0.1	0.03	1.7	<0.1	<0.05	3	<0.5
22007	Soil	12	4	0.31	236	0.025	3	0.50	0.004	0.15	0.2	0.02	1.5	0.2	<0.05	1	<0.5
22008	Soil	18	30	0.62	458	0.058	2	1.07	0.005	0.14	0.1	0.02	2.1	<0.1	<0.05	3	<0.5
22009	Soil	19	35	0.74	333	0.036	3	1.21	0.007	0.09	0.1	0.02	3.3	<0.1	<0.05	4	<0.5
22010	Soil	8	13	0.94	179	0.091	1	1.53	0.004	0.30	<0.1	<0.01	3.0	0.1	<0.05	5	<0.5
22011	Soil	12	26	1.16	160	0.061	<1	1.83	0.004	0.06	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5
22012	Soil	18	44	1.01	270	0.040	3	1.62	0.005	0.10	<0.1	0.03	6.9	<0.1	<0.05	5	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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
22013	Soil	0.9	57.9	7.0	70	<0.1	71.0	16.8	714	3.80	36.1	0.5	2.9	3.3	10	<0.1	1.0	0.1	83	0.21	0.062
22014	Soil	0.2	72.2	3.3	71	<0.1	34.3	19.9	750	3.63	1.8	0.4	2.6	1.6	19	<0.1	0.2	<0.1	98	0.41	0.074
22015	Soil	0.5	43.2	6.7	64	0.1	53.7	15.4	437	3.13	9.2	0.6	4.3	3.3	16	<0.1	0.4	0.1	74	0.42	0.047
22016	Soil	0.8	24.5	27.9	76	0.2	23.1	12.7	410	2.34	5.6	1.2	1.3	13.0	18	0.2	0.4	0.2	44	0.35	0.059
22017	Soil	0.3	8.5	14.4	29	<0.1	7.0	5.0	269	0.93	1.4	0.8	<0.5	9.0	12	0.1	0.3	0.2	12	0.22	0.040
22020	Soil	0.9	14.4	14.2	36	<0.1	11.7	5.4	152	1.75	6.1	0.9	2.1	7.6	9	<0.1	0.6	0.2	31	0.07	0.013
22021	Soil	0.7	21.1	14.4	42	<0.1	17.1	6.6	210	1.98	8.1	1.4	1.9	7.7	14	<0.1	0.8	0.2	37	0.14	0.022
22022	Soil	0.7	9.9	12.3	35	0.1	9.6	4.8	167	1.79	6.7	0.9	2.3	7.1	13	<0.1	0.4	0.2	34	0.15	0.032
22023	Soil	0.4	10.5	12.9	28	0.1	7.9	4.1	114	1.23	3.7	0.9	1.1	9.6	7	<0.1	0.3	0.1	20	0.09	0.022
22024	Soil	0.5	9.5	13.7	33	<0.1	9.0	4.6	164	1.47	5.2	0.9	<0.5	9.6	12	<0.1	0.3	0.2	24	0.10	0.024
22025	Soil	0.9	14.3	13.0	45	<0.1	13.9	5.9	184	2.04	8.4	1.0	1.6	8.7	9	<0.1	0.6	0.1	37	0.07	0.023
22026	Soil	0.5	9.4	9.9	35	<0.1	6.4	3.9	175	1.44	4.0	1.0	0.9	8.4	9	<0.1	0.2	0.1	17	0.07	0.021
22027	Soil	0.6	16.3	8.0	52	<0.1	9.9	8.7	296	2.84	3.4	0.8	0.6	4.5	13	<0.1	0.3	<0.1	48	0.16	0.057
22028	Soil	0.8	7.6	13.4	40	0.2	10.1	5.6	218	1.90	7.0	0.6	0.8	5.1	7	<0.1	0.4	0.2	33	0.07	0.037
22029	Soil	0.8	17.1	13.7	51	<0.1	16.5	6.9	220	1.99	7.3	1.0	9.9	15.9	8	<0.1	0.5	0.1	36	0.07	0.013
22030	Soil	0.9	10.4	17.2	48	<0.1	9.9	4.4	162	2.06	8.1	1.0	2.1	8.7	6	0.1	0.5	0.2	33	0.04	0.024
22031	Soil	0.9	10.8	16.5	42	0.1	11.3	5.5	143	1.74	6.8	1.1	1.3	7.4	5	<0.1	0.8	0.1	28	0.04	0.016
22032	Soil	0.6	5.6	12.1	43	0.2	4.4	3.4	181	1.23	3.5	0.9	0.9	4.7	6	<0.1	0.4	0.1	17	0.03	0.014
22033	Soil	0.8	6.3	14.5	33	0.2	6.2	2.7	143	1.47	5.0	1.0	4.3	7.3	7	<0.1	1.2	0.2	27	0.07	0.017
22034	Soil	0.5	3.7	12.3	31	<0.1	2.7	3.3	187	1.38	1.3	0.8	<0.5	8.1	7	0.1	0.9	<0.1	9	0.09	0.048
22035	Soil	0.6	8.5	14.2	40	<0.1	9.0	5.3	279	1.76	3.3	0.9	1.2	9.1	9	0.1	0.7	0.1	16	0.13	0.051
22036	Soil	1.0	14.2	18.2	33	<0.1	10.5	4.7	170	1.67	3.2	1.7	1.4	14.1	9	0.2	1.1	0.2	16	0.09	0.029
22037	Soil	0.7	14.3	14.1	39	<0.1	12.9	5.7	194	1.93	6.2	1.3	4.9	9.3	11	<0.1	0.7	0.1	32	0.14	0.027
22038	Soil	1.0	14.7	28.1	56	<0.1	13.1	5.4	198	1.99	4.3	1.6	2.0	12.0	11	0.1	0.7	0.4	23	0.13	0.029
22039	Soil	1.0	10.1	19.0	36	<0.1	9.8	4.0	113	1.80	4.5	1.2	4.5	7.1	11	0.1	0.8	0.4	27	0.11	0.027
22040	Soil	0.9	14.2	25.1	47	0.1	13.0	5.1	142	1.90	4.2	1.7	1.9	11.6	12	0.1	1.1	0.4	27	0.15	0.035
22047	Soil	0.1	39.3	3.7	67	<0.1	11.9	15.8	641	3.42	2.0	0.4	1.7	2.2	13	<0.1	0.3	<0.1	85	0.26	0.049
22048	Soil	0.6	24.1	5.9	63	<0.1	16.1	8.7	312	2.89	5.0	0.6	1.0	2.8	9	<0.1	0.4	<0.1	57	0.11	0.017
22049	Soil	0.5	21.5	7.9	61	<0.1	15.0	8.8	339	2.61	5.0	0.8	1.3	4.4	12	<0.1	0.3	0.1	48	0.17	0.037
22050	Soil	0.6	40.7	11.7	75	<0.1	112.7	18.5	569	3.51	22.0	0.7	3.1	4.0	13	0.1	1.2	0.2	76	0.19	0.040



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
22013	Soil	12	69	1.36	174	0.027	1	1.82	0.005	0.07	<0.1	0.03	9.0	<0.1	<0.05	6	<0.5
22014	Soil	6	56	1.63	193	0.073	3	1.85	0.004	0.09	<0.1	<0.01	6.1	<0.1	<0.05	6	<0.5
22015	Soil	13	89	1.30	536	0.049	<1	1.99	0.007	0.04	0.1	0.03	5.8	<0.1	<0.05	6	<0.5
22016	Soil	28	36	0.73	350	0.041	4	1.20	0.006	0.10	<0.1	0.02	4.7	0.1	<0.05	4	<0.5
22017	Soil	11	10	0.36	156	0.024	<1	0.45	0.003	0.06	<0.1	<0.01	1.7	0.1	<0.05	2	<0.5
22020	Soil	20	19	0.30	326	0.041	<1	1.05	0.006	0.06	0.2	0.02	2.3	<0.1	<0.05	3	<0.5
22021	Soil	25	20	0.36	416	0.052	<1	1.11	0.006	0.07	0.2	0.03	3.3	<0.1	<0.05	3	<0.5
22022	Soil	30	17	0.32	312	0.050	2	0.98	0.007	0.09	0.2	0.02	2.7	<0.1	<0.05	4	<0.5
22023	Soil	48	13	0.27	173	0.033	2	0.76	0.004	0.09	<0.1	<0.01	2.0	<0.1	<0.05	3	<0.5
22024	Soil	20	14	0.29	144	0.036	2	0.88	0.005	0.11	0.1	<0.01	2.1	<0.1	<0.05	3	<0.5
22025	Soil	17	21	0.40	166	0.049	2	1.27	0.006	0.11	0.2	0.02	2.8	<0.1	<0.05	4	<0.5
22026	Soil	12	10	0.29	92	0.046	2	0.83	0.003	0.20	<0.1	<0.01	2.0	0.2	<0.05	3	<0.5
22027	Soil	12	12	0.64	236	0.101	1	1.39	0.004	0.51	<0.1	0.01	2.4	0.2	<0.05	4	<0.5
22028	Soil	10	17	0.29	156	0.043	2	0.96	0.006	0.12	0.2	<0.01	1.7	0.1	<0.05	4	<0.5
22029	Soil	27	23	0.42	117	0.059	3	1.28	0.006	0.12	0.2	0.01	3.1	0.1	<0.05	4	<0.5
22030	Soil	14	17	0.27	149	0.030	2	1.46	0.007	0.14	0.2	0.01	3.0	0.2	<0.05	4	<0.5
22031	Soil	7	17	0.30	128	0.028	2	1.31	0.003	0.08	0.2	<0.01	2.9	0.1	<0.05	4	<0.5
22032	Soil	8	8	0.14	77	0.024	1	0.77	0.002	0.08	0.1	<0.01	1.8	0.1	<0.05	3	<0.5
22033	Soil	16	12	0.18	242	0.026	2	0.82	0.004	0.10	0.2	<0.01	1.9	0.1	<0.05	4	<0.5
22034	Soil	8	4	0.16	63	0.025	1	0.44	0.002	0.15	<0.1	<0.01	2.2	0.1	<0.05	2	<0.5
22035	Soil	11	11	0.29	147	0.028	2	0.70	0.004	0.14	0.1	0.01	2.6	0.1	<0.05	3	<0.5
22036	Soil	47	11	0.16	266	0.014	1	0.73	0.004	0.10	0.1	<0.01	3.0	0.1	<0.05	2	<0.5
22037	Soil	28	18	0.29	469	0.031	1	1.06	0.006	0.08	0.2	0.01	3.7	<0.1	<0.05	3	<0.5
22038	Soil	36	16	0.39	446	0.031	2	0.97	0.008	0.10	0.1	0.02	3.1	0.1	<0.05	3	<0.5
22039	Soil	22	15	0.29	366	0.025	1	1.02	0.008	0.08	0.2	0.02	2.0	<0.1	<0.05	3	<0.5
22040	Soil	37	18	0.37	447	0.030	1	1.09	0.006	0.08	0.2	0.04	3.0	<0.1	<0.05	3	<0.5
22047	Soil	6	16	1.41	319	0.085	<1	1.86	0.003	0.37	<0.1	<0.01	5.1	0.1	<0.05	6	<0.5
22048	Soil	11	24	0.81	154	0.080	2	1.64	0.005	0.04	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5
22049	Soil	16	22	0.80	214	0.074	<1	1.49	0.006	0.20	<0.1	0.01	4.3	0.2	<0.05	5	<0.5
22050	Soil	12	132	1.65	181	0.063	<1	2.19	0.006	0.04	<0.1	0.03	5.9	<0.1	<0.05	6	<0.5



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					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	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
22051	Soil																							
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22051	Soil	9	52	1.24	198	0.046	<1	1.85	0.005	0.07	<0.1	0.05	5.2	<0.1	<0.05	6	<0.5	<0.2
22052	Soil	17	36	0.47	319	0.034	2	0.78	0.005	0.07	<0.1	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2
22053	Soil	23	30	0.55	312	0.034	2	0.88	0.004	0.15	<0.1	0.02	5.5	0.2	<0.05	3	<0.5	<0.2
22054	Soil	23	38	0.58	322	0.036	2	1.10	0.005	0.08	<0.1	0.02	4.1	0.1	<0.05	3	<0.5	<0.2
22055	Soil	25	31	0.52	665	0.027	<1	1.10	0.005	0.05	0.1	0.06	3.2	0.1	<0.05	4	<0.5	<0.2
22056	Soil	12	25	0.75	211	0.032	<1	1.06	0.005	0.05	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
22057	Soil	9	40	1.11	264	0.046	<1	1.38	0.006	0.07	<0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
22058	Soil	39	5	0.10	477	0.013	<1	0.40	0.003	0.06	<0.1	0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
22059	Soil	36	12	0.23	418	0.032	1	0.58	0.007	0.06	0.1	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
22060	Soil	48	18	0.39	431	0.052	1	1.04	0.007	0.09	0.3	0.02	3.3	0.1	<0.05	4	<0.5	<0.2
22061	Soil	15	17	0.46	165	0.046	1	0.89	0.004	0.20	0.1	<0.01	2.7	0.2	<0.05	3	<0.5	<0.2
22062	Soil	18	5	0.21	88	0.031	<1	0.52	0.004	0.20	<0.1	<0.01	2.2	0.2	<0.05	2	<0.5	<0.2
22063	Soil	15	14	0.30	181	0.049	<1	0.90	0.004	0.13	0.2	0.01	2.2	0.1	<0.05	3	<0.5	<0.2
22064	Soil	10	8	0.42	154	0.070	<1	0.92	0.003	0.38	<0.1	0.01	1.9	0.2	<0.05	3	<0.5	<0.2
22065	Soil	11	9	0.52	214	0.084	<1	1.03	0.003	0.48	<0.1	<0.01	1.9	0.2	<0.05	4	<0.5	<0.2
22066	Soil	10	5	0.12	100	0.014	<1	0.59	0.002	0.11	<0.1	0.01	2.1	0.1	<0.05	2	<0.5	<0.2
22067	Soil	5	11	0.18	96	0.021	<1	0.92	0.002	0.06	<0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
22068	Soil	5	4	0.07	117	0.008	<1	0.45	0.002	0.07	0.2	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
22069	Soil	7	7	0.10	89	0.011	<1	0.61	0.002	0.09	0.1	<0.01	1.8	0.1	<0.05	2	<0.5	<0.2
22070	Soil	14	17	0.29	138	0.042	<1	1.33	0.005	0.10	0.2	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
22071	Soil	15	20	0.28	121	0.024	<1	0.82	0.003	0.06	0.1	0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
22072	Soil	16	7	0.21	95	0.022	<1	0.64	0.002	0.14	<0.1	0.01	2.4	0.1	<0.05	2	<0.5	<0.2
22073	Soil	7	4	0.11	116	0.011	<1	0.36	0.002	0.08	0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
22074	Soil	28	17	0.24	414	0.026	<1	1.02	0.006	0.06	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
22075	Soil	39	11	0.18	445	0.016	<1	0.60	0.004	0.06	0.1	0.02	2.6	<0.1	<0.05	2	<0.5	<0.2
22076	Soil	36	14	0.20	424	0.015	<1	0.83	0.004	0.06	0.1	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
22077	Soil	38	19	0.38	451	0.029	<1	1.10	0.005	0.04	0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
22078	Soil	32	6	0.18	206	0.020	<1	0.44	0.002	0.12	0.1	<0.01	1.4	0.1	<0.05	1	<0.5	<0.2
22079	Soil	52	67	1.11	645	0.088	<1	1.60	0.005	0.42	0.1	0.02	4.8	0.3	<0.05	5	<0.5	<0.2
22080	Soil	24	10	0.28	199	0.038	<1	0.69	0.003	0.11	<0.1	0.01	1.6	0.1	<0.05	2	<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
22081	Soil	0.5	20.5	13.1	51	<0.1	22.3	10.4	233	2.03	4.2	1.5	8.2	8.9	17	0.1	0.4	0.1	34	0.24	0.063
22082	Soil	0.7	27.2	29.5	81	0.2	25.6	13.9	355	2.55	3.1	1.7	1.3	4.5	17	0.3	0.5	0.1	53	0.35	0.121
22084	Soil	0.3	30.6	7.2	90	<0.1	32.8	18.5	444	3.18	2.3	2.2	0.8	4.7	20	0.3	0.4	<0.1	65	0.46	0.156
22085	Soil	0.7	10.4	21.2	31	<0.1	8.2	5.4	123	1.37	3.7	0.9	1.0	7.2	8	<0.1	0.4	0.1	21	0.07	0.020
22086	Soil	<0.1	6.9	6.5	16	<0.1	6.0	4.1	118	0.61	1.4	0.9	<0.5	8.3	19	<0.1	0.2	<0.1	9	0.23	0.080
22087	Soil	1.1	11.3	22.2	38	<0.1	6.1	3.5	184	0.94	3.2	1.7	<0.5	19.0	7	<0.1	0.2	0.2	5	0.07	0.039
22088	Soil	0.7	11.6	28.5	51	<0.1	4.7	4.4	209	1.10	3.1	1.4	<0.5	12.4	6	0.2	0.8	0.2	7	0.12	0.068
22089	Soil	0.6	6.7	11.4	31	<0.1	6.4	3.2	134	0.84	0.8	1.8	<0.5	15.5	5	0.2	0.3	0.2	4	0.02	0.015
22090	Soil	0.7	10.2	15.5	30	<0.1	9.9	4.9	140	1.80	4.2	1.6	1.5	9.7	9	<0.1	0.3	0.3	25	0.10	0.019
22091	Soil	0.5	6.2	17.4	25	<0.1	4.9	2.3	101	1.02	2.9	1.1	1.0	10.3	9	0.1	0.6	0.2	12	0.09	0.027
22092	Soil	0.5	8.2	14.7	29	<0.1	6.1	3.9	133	1.39	3.1	1.3	1.4	10.7	7	<0.1	0.4	0.1	14	0.07	0.020
22093	Soil	0.4	8.3	11.8	27	<0.1	7.7	4.2	165	1.14	1.8	0.9	<0.5	7.3	6	<0.1	0.5	<0.1	8	0.09	0.039
22094	Soil	0.3	4.9	10.3	23	<0.1	2.9	1.6	96	0.85	1.1	1.0	<0.5	7.3	6	<0.1	0.3	0.1	5	0.10	0.041
22095	Soil	0.5	9.3	12.4	26	<0.1	8.2	3.1	120	1.31	6.2	1.2	<0.5	6.5	7	<0.1	0.3	0.1	10	0.15	0.063
22096	Soil	0.5	20.0	7.1	31	<0.1	25.6	7.1	162	1.45	3.7	0.8	8.2	6.4	13	<0.1	0.4	<0.1	22	0.18	0.040
22097	Soil	0.2	4.6	10.5	7	<0.1	2.4	0.9	39	0.69	1.0	1.0	<0.5	7.4	4	<0.1	0.3	0.2	5	0.06	0.026
22098	Soil	0.4	3.0	11.9	29	<0.1	1.8	1.8	159	1.17	3.0	1.2	<0.5	8.4	9	<0.1	0.2	0.1	11	0.04	0.025
22099	Soil	0.6	16.8	15.1	44	<0.1	11.3	5.2	190	1.72	7.4	2.2	6.0	19.8	8	<0.1	0.7	0.2	25	0.07	0.013
22100	Soil	0.2	5.4	9.4	32	<0.1	2.3	1.3	84	0.82	2.1	1.1	<0.5	7.2	4	<0.1	0.3	0.1	7	0.02	0.007
22101	Soil	0.5	2.7	8.9	12	<0.1	1.7	0.7	34	0.69	2.6	1.0	0.6	6.7	2	<0.1	0.6	0.1	4	0.01	0.006
22102	Soil	0.5	9.6	12.4	56	<0.1	8.3	4.9	254	1.97	5.1	1.2	2.3	9.5	10	<0.1	0.5	<0.1	21	0.07	0.025
22103	Soil	0.4	6.7	14.0	36	<0.1	3.6	2.7	128	1.47	3.8	1.9	0.6	12.6	5	<0.1	0.4	0.1	8	0.03	0.016
22104	Soil	0.4	8.1	13.8	33	<0.1	5.5	2.8	154	1.37	4.2	2.3	0.5	12.5	7	<0.1	0.5	0.1	11	0.04	0.010
22105	Soil	0.6	13.3	11.2	40	<0.1	10.9	5.3	201	2.02	5.7	0.9	0.5	7.3	9	<0.1	0.5	0.1	33	0.08	0.016
22106	Soil	0.2	4.4	14.6	18	<0.1	2.6	1.6	67	0.74	2.1	1.0	<0.5	11.6	4	0.1	0.4	0.1	7	0.03	0.010
22107	Soil	0.5	9.4	10.4	28	<0.1	7.6	3.6	100	1.28	4.1	0.7	3.7	6.9	10	<0.1	0.4	0.1	18	0.10	0.031
22108	Soil	0.3	17.1	17.3	50	<0.1	12.7	7.9	339	1.75	3.4	1.5	1.7	11.6	13	0.2	0.5	0.2	17	0.19	0.053
22109	Soil	0.3	40.2	7.6	73	0.2	28.9	13.2	577	2.84	3.8	0.8	2.8	2.4	25	0.2	0.3	0.1	64	0.63	0.063
22111	Soil	0.6	16.3	25.7	86	<0.1	9.9	4.6	134	1.17	2.5	1.0	0.7	8.8	13	0.5	0.4	0.2	16	0.23	0.071
22112	Soil	0.9	25.7	62.3	149	0.1	17.1	6.4	251	2.07	4.4	1.2	1.5	8.6	14	0.2	0.5	0.2	34	0.26	0.044



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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
22081	Soil	24	38	0.77	302	0.077	<1	1.25	0.006	0.11	0.3	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2
22082	Soil	14	49	0.96	552	0.087	<1	1.46	0.005	0.24	5.0	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
22084	Soil	14	64	1.51	567	0.098	<1	1.92	0.006	0.24	0.4	<0.01	4.4	0.1	<0.05	6	<0.5	<0.2
22085	Soil	14	14	0.26	240	0.041	<1	0.77	0.004	0.04	0.5	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
22086	Soil	21	7	0.26	104	0.063	<1	0.42	0.002	0.11	<0.1	<0.01	1.1	0.1	<0.05	1	<0.5	<0.2
22087	Soil	48	10	0.28	186	0.027	<1	0.45	0.002	0.08	<0.1	0.01	1.4	0.1	<0.05	1	<0.5	<0.2
22088	Soil	28	5	0.25	199	0.024	<1	0.60	0.003	0.17	0.1	0.02	1.5	0.2	<0.05	2	<0.5	<0.2
22089	Soil	35	6	0.13	233	0.008	1	0.53	0.002	0.11	0.7	<0.01	1.3	0.1	<0.05	1	<0.5	<0.2
22090	Soil	33	16	0.29	474	0.017	<1	1.05	0.007	0.05	0.1	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
22091	Soil	30	7	0.10	428	0.010	1	0.52	0.003	0.08	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
22092	Soil	17	9	0.19	218	0.017	1	0.71	0.004	0.09	<0.1	0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
22093	Soil	15	7	0.21	154	0.013	1	0.53	0.002	0.11	<0.1	<0.01	1.9	0.1	<0.05	2	<0.5	<0.2
22094	Soil	5	3	0.12	83	0.013	<1	0.33	0.004	0.11	<0.1	<0.01	1.6	0.1	<0.05	1	<0.5	<0.2
22095	Soil	6	7	0.17	113	0.015	1	0.52	0.002	0.15	<0.1	<0.01	2.3	0.1	<0.05	2	<0.5	<0.2
22096	Soil	24	32	0.48	170	0.039	<1	0.82	0.004	0.04	<0.1	<0.01	3.1	<0.1	<0.05	2	<0.5	<0.2
22097	Soil	5	2	0.03	59	0.005	1	0.33	0.001	0.07	<0.1	<0.01	1.3	<0.1	<0.05	1	<0.5	<0.2
22098	Soil	7	3	0.15	60	0.028	<1	0.54	0.002	0.20	<0.1	<0.01	1.1	0.3	<0.05	3	<0.5	<0.2
22099	Soil	210	15	0.26	157	0.034	<1	1.10	0.007	0.10	0.1	0.02	5.6	<0.1	<0.05	3	<0.5	<0.2
22100	Soil	12	4	0.08	69	0.018	<1	0.38	0.002	0.10	<0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
22101	Soil	4	2	0.04	36	0.005	<1	0.40	0.002	0.06	<0.1	<0.01	1.3	<0.1	<0.05	1	<0.5	<0.2
22102	Soil	13	13	0.35	102	0.054	<1	0.93	0.003	0.30	<0.1	<0.01	2.5	0.2	<0.05	4	<0.5	<0.2
22103	Soil	21	5	0.15	68	0.015	2	0.58	0.002	0.19	<0.1	<0.01	2.5	0.1	<0.05	2	<0.5	<0.2
22104	Soil	44	7	0.16	151	0.021	<1	0.55	0.004	0.14	<0.1	<0.01	2.4	0.1	<0.05	2	<0.5	<0.2
22105	Soil	25	19	0.37	221	0.049	2	1.19	0.007	0.11	0.1	0.01	3.3	0.1	<0.05	4	<0.5	<0.2
22106	Soil	38	5	0.10	124	0.012	1	0.43	0.003	0.08	<0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
22107	Soil	19	12	0.25	202	0.034	1	0.71	0.004	0.10	0.1	0.02	1.7	0.1	<0.05	2	<0.5	<0.2
22108	Soil	35	16	0.33	321	0.028	<1	0.67	0.006	0.13	<0.1	0.01	3.3	0.1	<0.05	2	<0.5	<0.2
22109	Soil	17	44	1.31	440	0.045	1	1.70	0.006	0.11	<0.1	0.04	4.7	0.1	0.07	6	<0.5	<0.2
22111	Soil	21	14	0.37	240	0.040	<1	0.68	0.005	0.11	<0.1	0.02	2.1	0.1	<0.05	2	<0.5	<0.2
22112	Soil	22	28	0.64	262	0.049	<1	1.21	0.009	0.09	<0.1	0.03	3.6	0.1	<0.05	4	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22113	Soil	0.9	18.9	23.2	58	<0.1	19.5	7.2	267	1.99	4.0	1.1	0.9	11.9	19	<0.1	0.5	0.2	30	0.24	0.046
22114	Soil	0.7	36.0	9.4	71	0.1	41.9	16.7	817	3.14	7.3	1.0	2.4	3.6	21	0.1	0.5	0.1	65	0.44	0.056
22115	Soil	0.3	41.3	4.1	58	<0.1	42.4	17.9	469	2.97	3.9	0.4	1.7	1.8	14	<0.1	0.3	<0.1	73	0.44	0.061
22116	Soil	0.5	70.9	6.0	65	<0.1	33.8	11.2	300	3.06	13.0	0.8	1.7	3.3	17	<0.1	0.5	<0.1	59	0.26	0.054
22117	Soil	0.5	26.2	6.6	75	<0.1	16.9	10.8	432	2.97	5.3	0.8	1.2	4.2	14	<0.1	0.4	<0.1	50	0.21	0.036
22118	Soil	0.4	32.8	4.8	83	<0.1	22.0	12.1	404	3.47	3.5	0.4	0.9	2.5	12	0.1	0.3	<0.1	55	0.19	0.055
22119	Soil	0.5	36.9	5.6	94	<0.1	24.4	17.7	762	3.81	4.6	0.5	0.9	2.6	13	0.1	0.2	<0.1	66	0.28	0.103
22120	Soil	0.4	21.9	4.8	58	<0.1	12.2	11.6	415	2.97	3.4	0.6	1.3	2.5	12	<0.1	0.3	<0.1	68	0.24	0.045
22137	Soil	1.0	19.5	16.7	33	<0.1	11.1	5.1	169	1.95	6.8	1.6	3.3	10.5	11	<0.1	0.5	0.3	38	0.07	0.013
22136	Soil	1.1	8.9	7.5	33	<0.1	5.2	2.7	114	1.30	2.6	1.5	<0.5	14.9	5	<0.1	0.2	0.4	12	0.03	0.006
22138	Soil	0.4	9.0	12.3	28	<0.1	8.8	3.0	105	1.15	3.0	0.8	0.8	7.8	10	0.1	0.5	0.1	19	0.09	0.020
22139	Soil	0.3	3.4	9.1	22	<0.1	1.8	1.3	82	0.70	1.2	0.8	<0.5	5.7	4	0.1	0.3	0.2	5	0.02	0.010
22140	Soil	0.3	4.6	10.5	28	<0.1	3.7	2.9	100	1.08	1.9	1.0	0.5	9.0	5	<0.1	0.4	0.1	9	0.04	0.014
22141	Soil	0.9	14.5	12.6	35	<0.1	11.6	3.6	163	1.45	4.5	1.3	3.5	9.8	14	<0.1	0.6	0.2	20	0.15	0.028
22142	Soil	0.6	18.4	8.0	39	<0.1	20.8	8.0	246	1.87	6.1	0.6	3.2	5.0	23	<0.1	0.5	0.1	32	0.31	0.053
22143	Soil	0.8	19.3	8.6	44	<0.1	19.9	8.1	351	2.18	8.8	1.4	4.1	3.9	31	0.1	0.5	0.2	44	0.47	0.049
22144	Soil	0.4	4.5	11.7	22	<0.1	3.3	1.6	73	1.15	4.5	1.2	0.6	7.4	3	<0.1	0.5	0.4	10	0.02	0.016
22145	Soil	0.5	11.5	10.5	30	<0.1	10.7	4.1	107	1.52	5.8	0.7	1.9	6.2	12	<0.1	0.5	0.2	27	0.14	0.030
22146	Soil	0.7	18.1	9.1	39	<0.1	14.8	5.8	180	1.74	6.2	0.9	3.0	6.9	13	<0.1	0.5	0.2	31	0.14	0.024
22147	Soil	0.7	15.7	9.0	39	<0.1	14.9	5.0	160	1.73	6.6	0.8	2.5	5.2	15	0.1	0.5	0.1	32	0.17	0.029
22148	Soil	0.7	20.0	9.6	44	<0.1	17.5	5.6	179	1.89	7.1	0.9	4.0	5.9	17	<0.1	0.6	0.2	32	0.21	0.038
22149	Soil	0.7	22.5	9.3	49	<0.1	18.1	6.1	188	1.98	6.9	1.0	1.3	5.6	19	0.1	0.6	0.2	35	0.23	0.041
22150	Soil	0.9	28.8	9.0	65	0.1	27.6	9.2	382	2.21	10.0	0.7	1.5	4.1	33	0.2	0.8	0.2	41	0.56	0.073
22158	Soil	0.5	14.9	3.1	68	<0.1	7.9	12.8	555	3.75	3.5	0.3	2.4	1.4	13	0.1	0.3	<0.1	65	0.26	0.063
22159	Soil	0.5	22.0	3.4	56	<0.1	8.8	8.5	297	2.56	4.4	0.4	1.8	1.4	17	<0.1	0.2	<0.1	43	0.14	0.034
22160	Soil	1.2	24.0	4.6	59	0.2	12.0	6.6	272	2.81	5.7	0.8	2.1	1.6	36	<0.1	0.3	0.1	39	0.10	0.039
22161	Soil	0.4	42.2	0.9	67	<0.1	8.5	22.3	1109	3.37	1.2	0.1	1.0	0.3	8	<0.1	0.2	<0.1	87	0.19	0.068
22162	Soil	0.9	23.9	7.2	48	<0.1	17.8	8.1	277	2.34	7.7	0.9	1.6	3.7	18	<0.1	0.5	0.1	45	0.16	0.023
22163	Soil	0.9	21.4	2.8	80	<0.1	5.8	13.2	611	3.86	4.8	0.3	0.6	0.6	15	<0.1	0.3	<0.1	78	0.12	0.041
22164	Soil	0.6	27.4	5.5	56	<0.1	16.2	9.2	362	2.45	7.1	1.0	5.4	3.2	12	<0.1	0.6	<0.1	34	0.11	0.029



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
22113	Soil	26	27	0.43	254	0.043	<1	0.88	0.006	0.14	<0.1	0.02	3.7	0.2	<0.05	3	<0.5
22114	Soil	17	59	0.95	537	0.045	4	1.92	0.011	0.05	0.1	0.04	5.9	<0.1	<0.05	5	0.5
22115	Soil	7	88	1.39	195	0.077	<1	1.83	0.006	0.10	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5
22116	Soil	13	27	0.75	274	0.058	<1	1.36	0.008	0.11	<0.1	0.04	4.6	<0.1	<0.05	5	<0.5
22117	Soil	16	22	0.92	279	0.093	<1	1.61	0.006	0.15	<0.1	0.02	5.0	0.1	<0.05	6	<0.5
22118	Soil	6	30	1.26	112	0.088	<1	1.95	0.004	0.06	<0.1	<0.01	3.9	<0.1	<0.05	5	<0.5
22119	Soil	5	29	1.20	133	0.080	<1	1.88	0.004	0.20	<0.1	<0.01	4.9	0.1	<0.05	6	<0.5
22120	Soil	10	19	1.08	238	0.068	<1	1.70	0.005	0.09	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5
22137	Soil	30	21	0.37	579	0.054	1	1.35	0.007	0.08	0.1	0.01	3.4	<0.1	<0.05	4	<0.5
22136	Soil	47	8	0.45	322	0.024	<1	1.00	0.004	0.08	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5
22138	Soil	27	15	0.28	327	0.034	<1	0.74	0.005	0.09	0.1	<0.01	1.6	0.1	<0.05	2	<0.5
22139	Soil	6	3	0.09	39	0.014	<1	0.32	0.002	0.11	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5
22140	Soil	15	7	0.14	132	0.018	1	0.50	0.008	0.12	0.1	<0.01	1.8	0.2	<0.05	2	<0.5
22141	Soil	29	14	0.24	269	0.027	2	0.73	0.010	0.09	0.1	0.02	2.7	<0.1	<0.05	3	<0.5
22142	Soil	14	31	0.55	256	0.040	1	1.12	0.015	0.05	0.1	0.02	3.0	<0.1	<0.05	3	<0.5
22143	Soil	15	24	0.42	373	0.040	2	1.34	0.021	0.04	0.2	0.03	3.5	<0.1	<0.05	4	<0.5
22144	Soil	8	4	0.08	81	0.008	<1	0.41	0.001	0.07	<0.1	<0.01	2.0	0.1	<0.05	2	<0.5
22145	Soil	17	17	0.29	207	0.036	1	0.99	0.008	0.06	0.1	0.02	2.6	<0.1	<0.05	3	<0.5
22146	Soil	25	21	0.34	255	0.046	1	1.13	0.010	0.06	0.1	0.02	3.6	<0.1	<0.05	3	<0.5
22147	Soil	17	19	0.33	257	0.043	1	1.06	0.009	0.05	0.1	0.02	3.0	<0.1	<0.05	3	<0.5
22148	Soil	20	22	0.37	316	0.045	2	1.11	0.014	0.06	0.1	0.02	3.8	<0.1	<0.05	3	<0.5
22149	Soil	20	22	0.40	344	0.047	1	1.24	0.011	0.05	0.2	0.03	3.6	<0.1	<0.05	4	<0.5
22150	Soil	15	23	0.48	424	0.049	2	1.08	0.019	0.06	0.2	0.04	3.3	<0.1	<0.05	4	<0.5
22158	Soil	5	8	0.97	189	0.054	1	1.71	0.005	0.19	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5
22159	Soil	5	10	0.73	140	0.071	<1	1.31	0.006	0.05	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5
22160	Soil	7	20	0.73	183	0.104	<1	1.37	0.010	0.05	<0.1	0.02	3.0	<0.1	<0.05	5	0.8
22161	Soil	<1	3	0.98	205	0.090	1	1.47	0.009	0.34	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5
22162	Soil	12	29	0.61	300	0.054	2	1.50	0.011	0.05	0.1	0.03	4.4	<0.1	<0.05	4	<0.5
22163	Soil	2	6	1.31	179	0.111	<1	2.09	0.010	0.08	<0.1	<0.01	2.6	<0.1	<0.05	6	<0.5
22164	Soil	10	19	0.68	146	0.089	1	1.44	0.006	0.05	<0.1	0.04	4.7	<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 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
22165	Soil	1.7	51.1	2.3	67	<0.1	29.7	8.5	295	2.39	2.0	1.4	1.0	7.0	6	<0.1	0.2	<0.1	37	0.12	0.051
22166	Soil	0.4	67.2	3.0	65	<0.1	23.0	20.4	470	3.28	3.2	0.4	2.7	1.3	12	<0.1	0.3	<0.1	67	0.20	0.028
22167	Soil	0.5	36.2	4.2	71	<0.1	16.4	12.2	482	3.11	5.2	0.4	2.0	2.2	14	<0.1	0.3	<0.1	71	0.22	0.064
22168	Soil	0.9	31.3	6.6	71	0.1	23.3	10.0	317	2.71	7.6	0.5	10.0	3.2	20	0.2	0.6	0.2	56	0.28	0.063
22169	Soil	0.7	26.3	7.1	68	<0.1	20.0	8.7	249	2.50	7.8	0.5	1.5	3.5	19	0.2	0.7	0.1	49	0.29	0.069
22170	Soil	0.5	19.3	8.0	60	0.1	15.8	8.3	226	2.33	5.8	0.7	3.7	3.9	17	0.2	0.5	0.1	45	0.27	0.065
22171	Soil	0.5	9.2	8.6	51	0.1	10.2	5.3	238	1.75	3.6	0.6	2.8	2.7	12	0.1	0.3	0.1	33	0.18	0.050
22172	Soil	0.7	19.9	8.5	57	0.1	16.4	8.0	419	1.94	6.2	0.7	2.5	2.7	21	0.3	0.5	0.1	39	0.30	0.058
22173	Soil	0.7	17.5	8.3	63	0.1	18.6	8.3	198	2.07	6.7	1.0	1.9	2.6	25	0.2	0.6	0.1	45	0.37	0.066
22174	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
22175	Soil	1.1	13.3	13.1	53	0.1	19.4	11.0	516	2.00	5.6	0.6	1.5	1.4	24	0.3	0.3	0.2	44	0.35	0.060
22176	Soil	0.6	17.6	15.1	57	0.1	20.6	9.0	337	1.92	3.5	0.8	1.2	2.5	19	0.2	0.3	0.2	40	0.26	0.059
22177	Soil	0.5	20.3	19.3	61	<0.1	22.7	8.4	176	1.86	4.4	0.9	5.7	4.5	17	0.3	0.4	0.2	39	0.25	0.063
22205	Soil	0.5	30.4	2.7	68	<0.1	8.3	19.4	858	4.02	1.7	0.3	1.6	1.1	10	0.1	0.2	<0.1	65	0.25	0.062
22206	Soil	0.7	30.3	2.9	57	<0.1	10.6	9.3	392	3.70	6.5	0.7	3.2	1.3	42	<0.1	0.2	<0.1	55	0.12	0.031
22207	Soil	0.2	34.5	1.4	73	<0.1	8.0	17.2	541	3.89	0.8	0.3	1.1	0.8	8	<0.1	0.2	<0.1	84	0.18	0.022
22208	Soil	0.4	39.9	1.6	66	<0.1	8.2	16.1	455	3.89	1.5	0.2	0.7	0.5	6	<0.1	0.2	<0.1	108	0.12	0.032
22209	Soil	0.6	61.6	5.8	49	<0.1	20.8	14.6	336	2.77	5.9	0.3	1.5	2.5	9	<0.1	0.4	<0.1	58	0.14	0.020
22210	Soil	0.6	45.7	3.9	52	<0.1	15.4	15.8	375	3.01	2.9	0.3	0.9	1.5	10	<0.1	0.3	<0.1	71	0.16	0.021
22211	Soil	0.4	3.4	2.1	71	<0.1	3.0	8.4	513	2.64	0.8	0.2	<0.5	0.7	8	<0.1	0.3	<0.1	25	0.15	0.030
22212	Soil	0.3	7.8	1.4	78	<0.1	2.8	12.5	691	3.73	1.3	0.1	<0.5	0.5	6	<0.1	0.2	<0.1	60	0.15	0.046
22213	Soil	0.2	1.5	1.4	70	<0.1	1.6	7.7	554	2.25	<0.5	0.1	<0.5	0.4	7	<0.1	0.2	<0.1	15	0.27	0.064
22214	Soil	0.5	22.9	4.3	51	<0.1	11.5	11.6	434	2.21	2.4	0.3	<0.5	1.2	8	<0.1	0.3	<0.1	30	0.19	0.042
22215	Soil	0.3	37.8	3.3	87	<0.1	10.0	17.5	767	4.77	2.1	0.3	1.3	1.3	13	<0.1	0.4	<0.1	117	0.31	0.090
22216	Soil	0.3	6.1	14.3	38	<0.1	3.8	2.2	220	1.05	1.7	0.9	0.7	8.4	11	<0.1	0.2	0.1	6	0.09	0.031
22217	Soil	1.1	23.3	11.6	66	<0.1	18.1	9.0	441	2.53	8.0	0.8	1.0	5.7	18	0.2	0.6	0.2	39	0.30	0.066
22218	Soil	1.0	23.6	11.8	77	0.1	20.9	9.4	270	2.42	7.8	0.8	1.4	4.7	24	0.3	0.8	0.2	44	0.33	0.073
22219	Soil	1.0	22.9	13.3	64	0.2	16.8	7.7	258	2.54	6.1	1.2	2.1	3.5	19	0.3	0.6	0.2	39	0.28	0.064
22220	Soil	0.8	22.3	14.3	66	0.2	18.5	9.0	288	2.48	7.2	1.2	1.2	4.7	20	0.3	0.6	0.2	42	0.31	0.055
22221	Soil	0.7	18.8	9.9	57	0.1	16.9	6.1	239	2.01	3.8	0.8	0.7	1.9	29	0.3	0.4	0.1	33	0.46	0.070



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	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
22165	Soil	15	22	0.87	110	0.064	<1	1.35	0.003	0.09	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
22166	Soil	6	33	1.47	168	0.140	<1	2.12	0.007	0.16	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
22167	Soil	8	25	1.01	433	0.098	1	1.62	0.008	0.47	0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
22168	Soil	13	28	0.59	354	0.078	<1	1.24	0.020	0.16	0.3	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
22169	Soil	13	25	0.59	255	0.068	2	1.29	0.013	0.10	0.3	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
22170	Soil	15	21	0.57	248	0.055	2	1.24	0.011	0.07	0.3	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
22171	Soil	12	16	0.46	230	0.041	1	1.18	0.009	0.07	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
22172	Soil	15	22	0.46	343	0.034	1	1.15	0.010	0.05	0.2	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
22173	Soil	13	24	0.44	330	0.037	3	1.25	0.014	0.05	0.3	0.05	3.0	<0.1	<0.05	4	<0.5	<0.2
22174	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
22175	Soil	11	32	0.57	312	0.025	1	1.06	0.010	0.04	0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
22176	Soil	16	33	0.54	325	0.027	1	1.34	0.010	0.05	0.1	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
22177	Soil	16	31	0.59	287	0.039	1	1.27	0.008	0.05	0.2	0.05	3.4	<0.1	<0.05	4	<0.5	<0.2
22205	Soil	4	6	1.28	240	0.047	2	1.98	0.004	0.20	<0.1	<0.01	5.8	<0.1	<0.05	5	<0.5	<0.2
22206	Soil	5	15	0.87	217	0.107	<1	1.39	0.017	0.09	<0.1	0.02	6.4	<0.1	0.14	5	1.1	<0.2
22207	Soil	3	5	1.32	213	0.073	1	1.85	0.003	0.13	<0.1	<0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
22208	Soil	1	5	1.16	197	0.099	<1	1.75	0.007	0.30	<0.1	<0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
22209	Soil	5	35	0.89	139	0.074	<1	1.65	0.006	0.05	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
22210	Soil	4	24	1.18	162	0.093	<1	1.94	0.008	0.06	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
22211	Soil	2	4	1.00	77	0.065	<1	1.55	0.003	0.09	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
22212	Soil	1	4	1.20	168	0.104	<1	1.88	0.004	0.36	<0.1	<0.01	2.7	0.1	<0.05	7	<0.5	<0.2
22213	Soil	1	3	0.95	56	0.067	<1	1.32	0.005	0.10	<0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
22214	Soil	4	17	0.88	80	0.067	2	1.46	0.003	0.05	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
22215	Soil	5	17	1.54	468	0.111	1	2.20	0.005	0.62	<0.1	<0.01	5.5	0.2	<0.05	9	<0.5	<0.2
22216	Soil	13	5	0.28	137	0.032	<1	0.51	0.004	0.23	<0.1	<0.01	2.4	0.2	<0.05	2	<0.5	<0.2
22217	Soil	20	23	0.57	273	0.063	1	1.16	0.017	0.16	0.2	0.02	3.3	0.1	<0.05	4	<0.5	<0.2
22218	Soil	16	27	0.60	310	0.056	2	1.42	0.014	0.08	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
22219	Soil	22	21	0.53	430	0.036	1	1.38	0.009	0.09	0.2	0.04	3.5	0.1	<0.05	4	0.6	<0.2
22220	Soil	19	25	0.57	405	0.041	<1	1.44	0.009	0.07	0.2	0.06	3.7	0.1	<0.05	5	<0.5	<0.2
22221	Soil	12	24	0.48	444	0.031	2	1.25	0.009	0.05	0.1	0.05	3.0	<0.1	<0.05	4	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22222	Soil	0.9	17.7	10.5	61	0.1	22.1	10.2	328	2.62	5.5	1.0	3.2	2.2	23	0.2	0.4	0.1	51	0.33	0.072
22223	Soil	0.8	14.2	14.6	47	0.1	17.9	5.6	158	1.83	4.3	0.7	1.3	2.4	16	0.1	0.3	0.2	42	0.22	0.058
22224	Soil	0.9	15.6	15.7	45	0.1	17.5	8.4	238	1.89	5.8	0.7	1.4	1.9	18	0.2	0.3	0.2	37	0.20	0.053
22225	Soil	0.9	14.8	15.7	42	<0.1	17.2	6.2	152	1.88	4.3	1.0	0.8	6.3	18	<0.1	0.4	0.2	33	0.21	0.044
22226	Soil	0.7	17.8	19.6	47	0.2	15.4	5.9	124	1.85	5.0	1.4	9.8	6.8	21	<0.1	0.5	0.2	33	0.28	0.050
22227	Soil	0.9	9.5	8.6	54	<0.1	15.4	5.8	240	1.98	6.3	0.7	0.8	3.4	21	0.1	0.5	0.1	41	0.32	0.077
22252	Soil	0.9	62.8	3.7	77	<0.1	26.9	20.9	732	4.35	1.7	0.5	<0.5	2.5	18	0.2	0.2	<0.1	106	0.35	0.094
22253	Soil	0.3	60.8	1.4	78	<0.1	10.0	18.1	694	4.52	1.9	0.4	<0.5	0.8	15	<0.1	0.3	<0.1	108	0.32	0.045
22254	Soil	0.8	30.0	6.3	75	<0.1	23.9	13.1	621	3.24	4.1	0.8	5.6	4.1	18	<0.1	0.5	<0.1	59	0.31	0.067
22255	Soil	1.1	32.7	12.8	82	0.1	28.4	11.9	376	2.81	10.0	1.1	1.8	4.8	28	0.1	0.9	0.2	52	0.38	0.068
22256	Soil	1.2	35.9	11.4	77	0.1	30.1	11.8	487	2.90	11.0	0.6	2.6	4.6	36	0.2	1.0	0.2	52	0.47	0.069
22257	Soil	0.6	49.0	5.1	66	<0.1	36.9	22.5	527	3.46	3.0	0.5	1.2	1.4	19	<0.1	0.5	<0.1	72	0.36	0.051
22258	Soil	0.3	26.6	1.7	68	<0.1	4.1	10.8	682	3.52	1.0	0.3	<0.5	1.2	14	<0.1	0.2	<0.1	69	0.31	0.110
22259	Soil	0.8	24.7	2.7	78	<0.1	20.3	7.4	563	2.94	1.3	0.9	1.2	4.3	16	<0.1	0.1	<0.1	69	0.33	0.132
22260	Soil	0.6	44.3	6.3	51	<0.1	26.9	16.0	535	2.86	2.1	0.4	<0.5	2.9	11	<0.1	0.4	<0.1	49	0.23	0.047
22261	Soil	0.5	52.7	3.1	44	<0.1	52.8	22.6	503	2.94	3.8	0.3	2.6	0.5	13	<0.1	0.2	<0.1	53	0.31	0.037
22262	Soil	0.7	30.5	5.3	57	<0.1	23.5	18.6	439	3.30	3.8	0.4	1.6	1.9	14	<0.1	0.4	<0.1	61	0.28	0.013
22263	Soil	0.6	6.0	13.0	38	<0.1	6.8	2.3	221	1.20	1.4	0.4	0.8	6.7	7	<0.1	0.1	0.2	7	0.05	0.027
22264	Soil	0.7	43.9	7.6	53	<0.1	40.4	10.7	362	2.44	6.5	0.6	3.2	4.2	14	<0.1	0.6	0.1	41	0.16	0.045
22265	Soil	0.8	8.2	14.7	42	<0.1	4.9	2.5	275	1.38	1.3	0.8	1.5	6.5	4	0.1	0.3	0.2	6	0.02	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	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
22222	Soil	14	35	0.62	290	0.034	<1	1.43	0.009	0.05	0.2	0.06	3.0	<0.1	<0.05	5	<0.5	<0.2
22223	Soil	11	35	0.61	181	0.031	<1	1.29	0.008	0.05	0.2	0.04	2.1	0.1	<0.05	5	<0.5	<0.2
22224	Soil	13	28	0.44	307	0.030	<1	1.06	0.007	0.05	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
22225	Soil	16	26	0.45	341	0.045	<1	1.13	0.006	0.07	0.2	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
22226	Soil	27	23	0.49	297	0.050	1	1.47	0.010	0.07	0.1	0.03	3.0	0.1	<0.05	4	<0.5	<0.2
22227	Soil	13	23	0.46	201	0.040	1	1.05	0.011	0.05	0.4	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
22252	Soil	5	35	1.72	245	0.081	<1	2.05	0.003	0.21	<0.1	<0.01	7.3	0.1	<0.05	7	<0.5	<0.2
22253	Soil	3	6	1.35	372	0.133	<1	2.13	0.009	0.46	<0.1	0.01	3.6	0.2	<0.05	7	<0.5	<0.2
22254	Soil	7	26	1.00	258	0.062	<1	1.74	0.008	0.11	<0.1	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
22255	Soil	17	32	0.64	498	0.059	2	1.57	0.016	0.06	0.2	0.05	3.8	<0.1	<0.05	4	<0.5	<0.2
22256	Soil	15	34	0.69	396	0.065	2	1.47	0.026	0.06	0.2	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
22257	Soil	4	74	1.83	249	0.119	1	2.18	0.007	0.10	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
22258	Soil	4	4	1.14	344	0.093	<1	1.60	0.003	0.71	<0.1	<0.01	3.3	0.2	<0.05	7	<0.5	<0.2
22259	Soil	11	27	1.31	260	0.062	<1	1.64	0.003	0.34	<0.1	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
22260	Soil	6	41	1.30	137	0.094	<1	1.66	0.003	0.09	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
22261	Soil	2	73	1.69	145	0.101	<1	1.66	0.004	0.06	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
22262	Soil	7	36	1.48	219	0.140	<1	2.19	0.007	0.04	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
22263	Soil	20	9	0.23	150	0.031	1	0.58	0.005	0.19	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
22264	Soil	14	68	0.89	241	0.047	1	1.32	0.008	0.11	0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
22265	Soil	9	7	0.21	68	0.021	1	0.61	0.002	0.24	<0.1	<0.01	2.9	0.1	<0.05	2	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
Pulp Duplicates																					
21865	Soil	0.7	16.0	14.9	54	0.1	15.8	7.9	182	2.04	6.7	0.9	2.7	6.7	17	0.1	0.6	0.2	40	0.31	0.053
REP 21865	QC	0.7	15.2	15.2	52	0.1	16.4	7.3	181	2.01	6.4	0.9	2.9	6.4	17	0.1	0.7	0.2	39	0.31	0.055
21892	Soil	4.5	23.5	63.8	104	<0.1	12.2	13.1	420	2.41	4.7	1.5	0.8	7.9	10	0.4	0.4	0.4	40	0.11	0.042
REP 21892	QC	4.3	22.7	63.4	97	<0.1	11.7	13.0	402	2.39	4.5	1.5	0.9	7.7	10	0.5	0.4	0.3	41	0.11	0.042
21910	Soil	2.0	9.7	12.8	50	<0.1	14.2	7.5	253	2.93	9.5	1.6	0.7	11.9	8	<0.1	0.6	0.4	50	0.06	0.021
REP 21910	QC	2.0	10.1	12.6	49	<0.1	13.9	7.4	259	2.97	9.2	1.7	1.2	12.1	8	<0.1	0.7	0.4	51	0.06	0.021
21916	Soil	0.5	4.7	13.6	23	<0.1	4.4	2.4	136	1.20	3.8	1.2	6.0	7.3	9	<0.1	0.4	0.2	20	0.08	0.035
REP 21916	QC	0.4	5.3	13.7	24	<0.1	4.2	2.5	136	1.21	3.9	1.2	0.5	6.8	8	<0.1	0.4	0.2	21	0.08	0.032
21929	Soil	1.6	4.5	8.1	22	<0.1	5.2	3.1	160	2.17	4.6	1.1	1.1	7.8	7	<0.1	0.4	2.6	35	0.05	0.025
REP 21929	QC	1.6	4.3	7.9	21	<0.1	5.0	3.2	160	2.18	4.6	1.2	1.3	7.9	6	<0.1	0.3	2.9	35	0.05	0.025
21944	Soil	0.6	14.5	23.1	51	<0.1	11.5	7.1	212	2.21	5.0	1.8	1.2	16.9	12	0.2	0.5	0.2	24	0.08	0.037
REP 21944	QC	0.7	15.0	23.5	50	<0.1	12.7	7.3	219	2.28	5.7	1.8	1.3	16.7	12	0.1	0.5	0.3	27	0.08	0.036
21965	Soil	0.9	11.0	24.9	45	<0.1	13.1	5.9	161	2.06	7.3	1.0	<0.5	12.7	7	<0.1	0.6	0.3	39	0.05	0.027
REP 21965	QC	0.9	11.2	24.3	46	<0.1	12.6	5.9	163	2.06	7.3	1.0	1.5	12.3	7	<0.1	0.6	0.3	39	0.05	0.025
21975	Soil	0.2	53.0	2.7	31	<0.1	43.8	15.7	317	2.05	1.9	0.2	1.4	0.9	10	<0.1	0.1	<0.1	42	0.31	0.050
REP 21975	QC	0.3	52.4	2.7	31	<0.1	43.6	15.6	318	2.06	1.9	0.2	0.6	0.9	10	<0.1	0.1	<0.1	43	0.31	0.051
21999	Soil	0.7	43.7	15.5	50	<0.1	44.4	25.9	513	2.35	3.8	0.5	1.2	5.7	13	0.1	0.2	<0.1	37	0.33	0.124
REP 21999	QC	0.7	44.1	15.4	52	<0.1	45.9	26.0	511	2.43	4.1	0.5	7.7	5.8	15	<0.1	0.2	<0.1	39	0.36	0.128
22026	Soil	0.5	9.4	9.9	35	<0.1	6.4	3.9	175	1.44	4.0	1.0	0.9	8.4	9	<0.1	0.2	0.1	17	0.07	0.021
REP 22026	QC	0.4	9.0	10.0	37	<0.1	5.7	3.8	172	1.39	4.1	1.0	0.7	8.4	9	<0.1	0.3	<0.1	17	0.07	0.021
22048	Soil	0.6	24.1	5.9	63	<0.1	16.1	8.7	312	2.89	5.0	0.6	1.0	2.8	9	<0.1	0.4	<0.1	57	0.11	0.017
REP 22048	QC	0.6	24.8	6.2	61	<0.1	15.8	8.5	304	2.80	5.1	0.6	2.1	2.8	9	<0.1	0.3	<0.1	57	0.12	0.017
22068	Soil	1.1	5.6	12.4	24	<0.1	2.3	1.1	60	1.01	3.6	0.7	<0.5	4.8	3	<0.1	0.6	0.2	12	0.03	0.017
REP 22068	QC	1.0	5.9	13.0	27	<0.1	2.5	1.2	60	1.06	3.4	0.7	<0.5	5.0	3	<0.1	0.6	0.2	13	0.03	0.018
22087	Soil	1.1	11.3	22.2	38	<0.1	6.1	3.5	184	0.94	3.2	1.7	<0.5	19.0	7	<0.1	0.2	0.2	5	0.07	0.039
REP 22087	QC	1.3	11.0	21.0	37	<0.1	6.4	3.6	198	0.95	3.0	1.7	0.8	18.6	8	<0.1	0.2	0.2	5	0.07	0.043
22095	Soil	0.5	9.3	12.4	26	<0.1	8.2	3.1	120	1.31	6.2	1.2	<0.5	6.5	7	<0.1	0.3	0.1	10	0.15	0.063
REP 22095	QC	0.5	7.9	11.6	24	<0.1	7.1	2.9	102	1.13	5.2	1.1	<0.5	6.5	7	<0.1	0.4	0.1	8	0.12	0.061



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Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
21865	Soil	21	25	0.50	234	0.041	1	1.16	0.009	0.06	0.3	0.03	2.9	0.1	<0.05	4	<0.5	<0.2
REP 21865	QC	20	24	0.49	229	0.039	<1	1.15	0.008	0.06	0.2	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
21892	Soil	11	27	0.58	255	0.061	<1	1.35	0.005	0.18	<0.1	0.02	3.9	0.3	<0.05	4	<0.5	<0.2
REP 21892	QC	11	27	0.56	250	0.060	<1	1.32	0.005	0.17	<0.1	0.02	3.8	0.3	<0.05	4	<0.5	<0.2
21910	Soil	14	25	0.39	237	0.052	<1	1.92	0.007	0.05	0.2	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
REP 21910	QC	14	25	0.38	241	0.052	<1	1.93	0.006	0.05	0.2	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
21916	Soil	9	9	0.18	78	0.028	6	0.55	0.002	0.09	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	0.3
REP 21916	QC	9	9	0.19	76	0.028	2	0.56	0.005	0.09	0.1	<0.01	1.5	0.1	<0.05	3	<0.5	<0.2
21929	Soil	18	13	0.17	142	0.030	<1	1.13	0.005	0.04	0.2	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
REP 21929	QC	18	12	0.16	141	0.026	<1	1.06	0.005	0.04	0.2	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
21944	Soil	19	16	0.47	137	0.042	1	1.23	0.004	0.20	0.1	0.02	3.6	0.3	<0.05	4	<0.5	<0.2
REP 21944	QC	20	16	0.48	143	0.045	1	1.29	0.004	0.20	0.1	0.03	3.7	0.2	<0.05	4	<0.5	<0.2
21965	Soil	41	21	0.33	226	0.034	<1	1.43	0.004	0.05	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 21965	QC	41	21	0.34	231	0.035	<1	1.45	0.004	0.05	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
21975	Soil	5	74	1.19	130	0.032	1	1.34	0.003	0.02	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
REP 21975	QC	5	74	1.21	130	0.035	2	1.38	0.003	0.02	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
21999	Soil	25	43	1.64	195	0.073	<1	1.62	0.003	0.06	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
REP 21999	QC	24	45	1.75	189	0.083	<1	1.73	0.004	0.07	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
22026	Soil	12	10	0.29	92	0.046	2	0.83	0.003	0.20	<0.1	<0.01	2.0	0.2	<0.05	3	<0.5	<0.2
REP 22026	QC	11	11	0.28	89	0.041	2	0.81	0.003	0.19	<0.1	0.01	2.0	0.2	<0.05	3	<0.5	<0.2
22048	Soil	11	24	0.81	154	0.080	2	1.64	0.005	0.04	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
REP 22048	QC	11	23	0.79	150	0.083	1	1.63	0.006	0.05	0.1	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
22068	Soil	5	4	0.07	117	0.008	<1	0.45	0.002	0.07	0.2	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
REP 22068	QC	5	4	0.07	122	0.008	<1	0.46	0.002	0.07	0.2	<0.01	1.6	<0.1	<0.05	2	<0.5	<0.2
22087	Soil	48	10	0.28	186	0.027	<1	0.45	0.002	0.08	<0.1	0.01	1.4	0.1	<0.05	1	<0.5	<0.2
REP 22087	QC	49	10	0.29	194	0.028	<1	0.45	0.002	0.07	<0.1	<0.01	1.4	0.1	<0.05	1	<0.5	<0.2
22095	Soil	6	7	0.17	113	0.015	1	0.52	0.002	0.15	<0.1	<0.01	2.3	0.1	<0.05	2	<0.5	<0.2
REP 22095	QC	5	6	0.17	116	0.012	<1	0.51	0.003	0.14	<0.1	<0.01	1.9	0.1	<0.05	2	<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
22111	Soil	0.6	16.3	25.7	86	<0.1	9.9	4.6	134	1.17	2.5	1.0	0.7	8.8	13	0.5	0.4	0.2	16	0.23
REP 22111	QC	0.6	18.3	26.4	93	<0.1	11.6	5.2	155	1.31	2.4	1.0	1.0	9.1	15	0.5	0.4	0.2	19	0.25
22149	Soil	0.7	22.5	9.3	49	<0.1	18.1	6.1	188	1.98	6.9	1.0	1.3	5.6	19	0.1	0.6	0.2	35	0.23
REP 22149	QC	0.8	22.2	9.5	48	<0.1	18.6	6.4	197	2.10	7.1	1.0	2.7	5.8	19	0.1	0.6	0.2	37	0.24
22173	Soil	0.7	17.5	8.3	63	0.1	18.6	8.3	198	2.07	6.7	1.0	1.9	2.6	25	0.2	0.6	0.1	45	0.37
REP 22173	QC	0.8	17.4	8.2	62	<0.1	18.2	8.2	192	2.05	6.4	1.0	2.3	2.9	24	0.2	0.5	0.1	43	0.36
22225	Soil	0.9	14.8	15.7	42	<0.1	17.2	6.2	152	1.88	4.3	1.0	0.8	6.3	18	<0.1	0.4	0.2	33	0.21
REP 22225	QC	0.9	15.9	15.5	43	<0.1	18.3	6.2	154	1.87	4.7	0.9	0.7	6.1	18	<0.1	0.4	0.1	33	0.21
22260	Soil	0.6	44.3	6.3	51	<0.1	26.9	16.0	535	2.86	2.1	0.4	<0.5	2.9	11	<0.1	0.4	<0.1	49	0.23
REP 22260	QC	0.6	42.1	6.2	49	<0.1	25.9	15.9	518	2.76	2.0	0.4	0.6	2.9	11	<0.1	0.3	<0.1	49	0.22
Reference Materials																				
STD DS7	Standard	20.7	117.0	68.5	401	0.9	56.4	9.8	617	2.40	51.7	5.0	78.8	4.6	68	6.6	6.2	5.0	85	0.87
STD DS7	Standard	19.6	109.5	70.5	412	1.0	52.5	9.5	624	2.44	51.7	5.1	93.3	4.8	74	6.6	6.3	4.7	76	0.94
STD DS7	Standard	22.6	111.4	73.3	399	0.9	56.8	9.9	632	2.37	48.7	5.6	79.8	5.5	79	6.1	5.9	4.3	90	0.98
STD DS7	Standard	21.4	103.3	60.6	383	1.0	55.3	9.0	612	2.30	50.9	4.1	63.5	3.9	70	6.1	5.5	4.3	77	0.86
STD DS7	Standard	19.2	107.9	65.3	359	0.9	51.2	9.0	561	2.17	46.6	4.5	72.9	4.3	62	5.9	5.3	4.3	80	0.84
STD DS7	Standard	20.7	117.5	63.7	408	1.0	57.9	9.9	665	2.51	52.3	4.7	60.4	4.2	74	6.1	5.9	4.3	90	1.01
STD DS7	Standard	22.6	113.9	80.4	419	1.0	57.9	9.8	643	2.45	53.5	5.6	73.7	5.6	91	6.7	7.0	5.3	88	1.01
STD DS7	Standard	20.2	116.1	73.9	398	1.0	52.4	9.2	611	2.32	52.6	5.1	79.1	4.7	78	7.2	6.4	5.1	79	0.89
STD DS7	Standard	22.2	125.6	76.7	428	1.1	57.5	9.6	661	2.51	54.6	5.5	74.6	5.3	89	7.5	6.8	5.3	90	0.99
STD DS7	Standard	21.4	112.7	68.1	399	1.0	57.9	9.5	623	2.36	50.5	4.9	67.4	4.4	72	6.1	5.6	4.4	88	0.93
STD DS7	Standard	21.4	113.1	71.9	411	1.0	59.3	9.5	661	2.51	56.1	5.3	83.7	5.2	98	6.4	6.8	5.5	88	1.04
STD DS7	Standard	21.3	115.0	75.0	405	1.0	55.8	9.7	624	2.36	50.1	5.3	71.9	5.1	79	6.1	6.3	5.0	85	0.92
STD DS7	Standard	20.5	114.8	71.1	386	0.9	55.0	9.3	608	2.32	51.2	4.8	69.2	4.8	71	6.6	6.3	5.0	83	0.92
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	1.0	<0.1	<1	<0.1	0.6	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Project:

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Report Date:

October 12, 2010

Page:

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Part 2

QUALITY CONTROL REPORT

WHI10000461.1

		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
22111	Soil	21	14	0.37	240	0.040	<1	0.68	0.005	0.11	<0.1	0.02	2.1	0.1	<0.05	2	<0.5	<0.2
REP 22111	QC	21	16	0.37	229	0.042	1	0.69	0.005	0.11	<0.1	0.03	2.3	0.1	<0.05	2	<0.5	<0.2
22149	Soil	20	22	0.40	344	0.047	1	1.24	0.011	0.05	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
REP 22149	QC	21	23	0.39	358	0.055	1	1.20	0.016	0.06	0.1	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
22173	Soil	13	24	0.44	330	0.037	3	1.25	0.014	0.05	0.3	0.05	3.0	<0.1	<0.05	4	<0.5	<0.2
REP 22173	QC	12	23	0.42	301	0.033	2	1.18	0.013	0.05	0.3	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
22225	Soil	16	26	0.45	341	0.045	<1	1.13	0.006	0.07	0.2	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
REP 22225	QC	16	26	0.44	323	0.047	<1	1.14	0.007	0.07	0.1	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
22260	Soil	6	41	1.30	137	0.094	<1	1.66	0.003	0.09	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
REP 22260	QC	6	41	1.29	130	0.090	<1	1.63	0.005	0.09	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	12	178	1.03	387	0.123	45	0.97	0.090	0.44	3.7	0.23	2.4	3.9	0.18	5	3.2	1.1
STD DS7	Standard	13	191	1.08	409	0.115	40	1.03	0.106	0.50	3.8	0.24	2.8	4.4	0.21	5	3.0	2.0
STD DS7	Standard	15	213	1.06	395	0.140	37	1.07	0.104	0.47	3.7	0.24	2.8	4.1	0.17	5	3.5	1.7
STD DS7	Standard	12	164	0.92	368	0.117	38	0.89	0.092	0.43	3.7	0.20	2.6	3.9	0.15	5	3.3	1.2
STD DS7	Standard	11	174	0.96	359	0.108	35	0.90	0.084	0.41	3.5	0.21	2.2	4.0	0.20	4	3.0	1.0
STD DS7	Standard	13	201	1.12	425	0.134	43	1.11	0.103	0.52	3.6	0.21	2.6	4.2	0.23	5	3.3	2.0
STD DS7	Standard	15	202	1.04	424	0.149	38	1.02	0.099	0.48	3.7	0.23	2.8	4.1	0.17	5	3.4	1.1
STD DS7	Standard	13	181	1.00	370	0.124	38	0.96	0.088	0.45	3.2	0.24	2.5	4.0	0.13	5	3.1	1.4
STD DS7	Standard	15	196	1.11	424	0.147	41	1.10	0.102	0.50	3.7	0.24	3.1	4.2	0.18	5	3.5	2.0
STD DS7	Standard	13	198	1.05	391	0.131	39	1.02	0.102	0.47	3.7	0.22	2.7	4.1	0.17	5	2.9	1.2
STD DS7	Standard	16	216	1.14	446	0.137	44	1.18	0.114	0.53	4.0	0.21	3.1	4.4	0.22	6	3.4	2.4
STD DS7	Standard	14	206	1.04	388	0.133	42	1.03	0.095	0.47	3.9	0.22	2.6	3.9	0.20	5	3.6	1.0
STD DS7	Standard	13	186	1.03	387	0.119	38	0.98	0.091	0.44	3.5	0.21	2.4	4.2	0.19	5	2.8	1.7
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<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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Project:

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Report Date:

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Part 1

QUALITY CONTROL REPORT

WHI10000461.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	1.7	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<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

WHI10000461.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<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: October 25, 2010

Report Date: November 15, 2010

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI10000621.1

CLIENT JOB INFORMATION

Project: Portland

Shipment ID:

P.O. Number

Number of Samples: 29

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days

DISP-RJT Dispose of Reject After 90 days

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

Invoice To: Taku Gold Corp
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Val D'Or QC J9P 1S5
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	29	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G601	29	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
G6	7	Lead collection fire assay fusion - Grav finish	30	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** 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: Portland
Report Date: November 15, 2010

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

WHI10000621.1

	Method	WGHT	G6	G6Gr
	Analyte	Wgt	Au	Au
	Unit	kg	gm/t	gm/t
	MDL	0.01	0.005	0.17
145962	Rock	2.89	0.085	
145963	Rock	1.37	0.108	
145964	Rock	1.83	2.213	
145965	Rock	2.43	0.302	
145966	Rock	2.65	0.640	
145967	Rock	1.45	3.478	
145968	Rock	2.93	1.373	
145969	Rock	1.48	1.095	
145970	Rock	2.51	3.176	
145971	Rock	1.97	>10	34.76
145972	Rock	2.36	0.207	
145973	Rock	3.45	>10	100.66
145974	Rock	1.89	>10	36.10
145975	Rock	2.05	>10	32.03
145976	Rock	2.61	>10	28.39
145977	Rock	1.52	>10	27.49
145978	Rock	0.62	>10	455.76
145979	Rock	2.51	3.934	
145980	Rock	3.11	0.974	
145981	Rock	2.49	0.034	
145982	Rock	3.12	0.047	
145983	Rock	2.51	0.034	
145984	Rock	2.01	0.013	
145985	Rock	2.17	<0.005	
145986	Rock	2.80	<0.005	
145987	Rock	2.19	<0.005	
145988	Rock	1.66	<0.005	
145989	Rock	1.09	<0.005	
145990	Rock	1.55	<0.005	



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Project:

Portland

Report Date:

November 15, 2010

Page:

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Part 1

QUALITY CONTROL REPORT

WHI10000621.1

Method	WGHT	G6	G6Gr
Analyte	Wgt	Au	Au
Unit	kg	gm/t	gm/t
MDL	0.01	0.005	0.17
Pulp Duplicates			
145965	Rock	2.43	0.302
REP 145965	QC		0.407
145974	Rock	1.89	>10 36.10
REP 145974	QC		30.90
Core Reject Duplicates			
145963	Rock	1.37	0.108
DUP 145963	QC		0.164
Reference Materials			
STD AGPROOF	Standard		<0.17
STD CDN-ME-3	Standard		9.32
STD CDN-ME-3	Standard		9.94
STD OXH66	Standard	1.294	
STD OXH66	Standard	1.332	
STD OXK79	Standard	3.656	
STD OXK79	Standard	3.798	
STD OXH66 Expected		1.285	
STD OXK79 Expected		3.532	
STD CDN-ME-3 Expected			9.97
STD AGPROOF Expected			0
BLK	Blank	<0.005	
BLK	Blank	<0.005	
BLK	Blank	<0.005	
BLK	Blank	<0.005	
BLK	Blank		<0.17
BLK	Blank		<0.17
BLK	Blank		<0.17
Prep Wash			
G1	Prep Blank	<0.005	



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Project: Portland

Report Date: November 15, 2010

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QUALITY CONTROL REPORT

WHI10000621.1

		WGHT	G6	G6Gr
		Wgt	Au	Au
		kg	gm/t	gm/t
		0.01	0.005	0.17
G1	Prep Blank	<0.005		