

Surface Work Performed from June 1, 2011 to September 14, 2011

**On the
Ballarat Property**

KIT 3 to 14	YC07107-YC07118
TIK 1 to 52	YC95394-YC95303
TIK 53-68	YC95304-YC95333
TIK 69-82	YC95320-YC95333
BA 1-96	YD72511-YD72606
BA 98-104	YD72606-YD72614
BA 110-111	YD72802- YD72801

**Dawson Mining District, Yukon
NTS Sheets 115J14,J15, O02 and O03
63° 00' N. Lat., 139° 01' W. Long.**

Operated by



**By
Mark Fekete, P.Geo.
and
Ben Dubois, B.Sc., GIT
January 15, 2012**

Summary

In 2011, Stakeholder Gold Corp. completed a surface exploration program on the 200-claim (4050ha) Ballarat property located approximately 115km southeast of Dawson City, Yukon. The work included a reconnaissance deep auger-type soil geochemical survey as well as detailed prospecting and sampling in four trenches excavated in 2010. The goal of the work was to identify areas of anomalous gold-in-soil that may be related to the gold bearing structures similar to those found on Kaminak's Coffee project approximately 20km southwest of the Property.

The Ballarat property is held 100% by Stakeholder Gold Corp. It is relatively accessible via a gravel road that leads from a barge landing at the mouth of Kirkman Creek directly to the Property. Fuel, supplies and equipment can be barged on the Yukon River from Dawson City to the landing.

The Property covers the southeastern slopes of Thistle Mountain where historical cumulative placer gold production is reported to be 104,604 ounces in the period 1913 to 2006. Hard rock prospecting in the Thistle Mountain is not well documented. The most significant previous work was done by Hinterland Metals Inc. in 2009 and 2010 and identified two very strong gold-in-soil anomalies trending east-west for a minimum distance of 1000m on the property. The southern anomaly was the best defined with maximum values up to 796ppb Au. The northern anomaly has numerous high values up to 188ppb Au.

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

The Property lies in the underexplored Klondike-White Gold district of the loosely defined Tintina Gold Belt. The most interesting mineralization found on the Property to date is at the north end of the four trenches excavated in 2010. Disseminated pyrite and massive stibnite is found in a brecciated zone marked by strong silica alteration and a distinctive green colour.

The 820-sample soil geochemical survey was done at stations 50m apart along predetermined GPS traverse lines over the central and eastern parts of the Property in August. Eighteen rock samples were collected in the trenches as part of an undergraduate research project. Thin sections and polished sections of the rock samples were studied with a transmitted light microscope, X-Ray Fluorescence geochemistry and Electron Microprobe analysis. All work was done from a camp some 5 kilometres due west of the Property.

The 2011 soil geochemical work identified an area at the headwaters of the creek draining the eastern part of the Property marked by strong to moderate gold-in-soil values up to a maximum of 163.6ppb Au over a continuous distance of 300m. The study on the trench rock samples indicates that the mineralization found in the trenches is not the source of the two gold-in-soil geochemical trends identified in 2010. Moreover, it is clear that the 2010 trenches did not test these gold trends.

It is recommended that a detailed soil grid measuring 1000m by 1000m with 50m sample stations on lines spaced at 50m apart be completed over the headwater zone for a total of approximately 450 samples. If this work outlines a more extensive gold-in-soil anomaly, then a Can-Dig excavator should be flown in to complete a trenching program over the anomaly. Core drilling is recommended to test the two gold-in-soil anomalies found in the northwestern part of the Property. A minimum of three holes should be drilled on the southern, stronger trend, and at least two holes should be drilled to test the northern trend. The estimated cost of the recommended exploration program is outlined below.

Drilling	750	m @	\$	500	per m	\$	375,000
Soil survey	450	samples @	\$	70	per sample	\$	31,500
Trenching	5	days @	\$	2,500	perday	\$	12,500
Contingency ~ 20%						\$	81,000
						\$	500,000

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 Ballarat property on numerous occasions including most recently in September 2011;
3. I co-wrote and I am, as the senior author and qualified person, responsible for the contents of this technical report entitled "Surface Work Performed from June 1, 2011 to September 14, 2011 on the Ballarat Property, Dawson Mining District, Yukon, NTS Sheets 115J14, J15, O02 and O03, 63° 00' N. Lat., 139° 01' 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 Stakeholder Gold Corp.;
6. I hold no direct interest in the Ballarat property as a result of my prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, or in full compliance with, National Instrument 43-10, 1 and according to Form 43-101F1.

Respectfully submitted this 15th day of January 2011,

(s) "**Mark Fekete**"

Mark Fekete, P.Geo.

Certificate of Qualifications

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

1. I obtained a Bachelor of Science Degree in Geology from Acadia University in May 2011, I have been engaged as a Geologist in Training (“GIT”) continuously since May 2011 and I am not a “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have visited the Ballarat property on numerous occasions including most recently in August 2011;
3. I co-wrote this technical report entitled “Surface Work Performed from June 1, 2011 to September 14, 2011 on the Ballarat Property, Dawson Mining District, Yukon, NTS Sheets 115J14, J15, O02 and O03, 63° 00' N. Lat., 139° 01' W. Long.,” under the supervision of Mark Fekete, P.Geo.;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I do not beneficially hold a number of shares in Stakeholder Gold Corp.;
6. I hold no direct interest in the Ballarat property as a result of my prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, or in full compliance with, National Instrument 43-10, 1 and according to Form 43-101F1.

Respectfully submitted this 15th day of January 2011,

(s) “**Ben Dubois**”

Ben Dubois, B.Sc., GIT

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1. Introduction and Terms of Reference

Breakaway Exploration Management Inc. (“Breakaway”) was retained by Stakeholder Gold Corp. (“Stakeholder” or the “Company”) to write a technical report (the “Report”) describing the surface exploration work carried out on the Ballarat property (“Ballarat” or the “Property”) in Yukon in 2011. The Report describes the soil geochemical sampling survey, and trenching and sampling completed.

The goal of the surface work was to identify areas of anomalous gold-in-soil that may be related to the gold bearing structures similar to Kaminak’s Supremo discovery on its Coffee property located approximately 20km southwest of the Property.

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

The metric system is used for all units of measure mentioned in the Report and all dollar amounts are in Canadian funds unless otherwise stated. All figures presented in the Report are plotted in map projection UTM WGS 84, Zone 7N unless otherwise stated.

2. Reliance on Other Experts

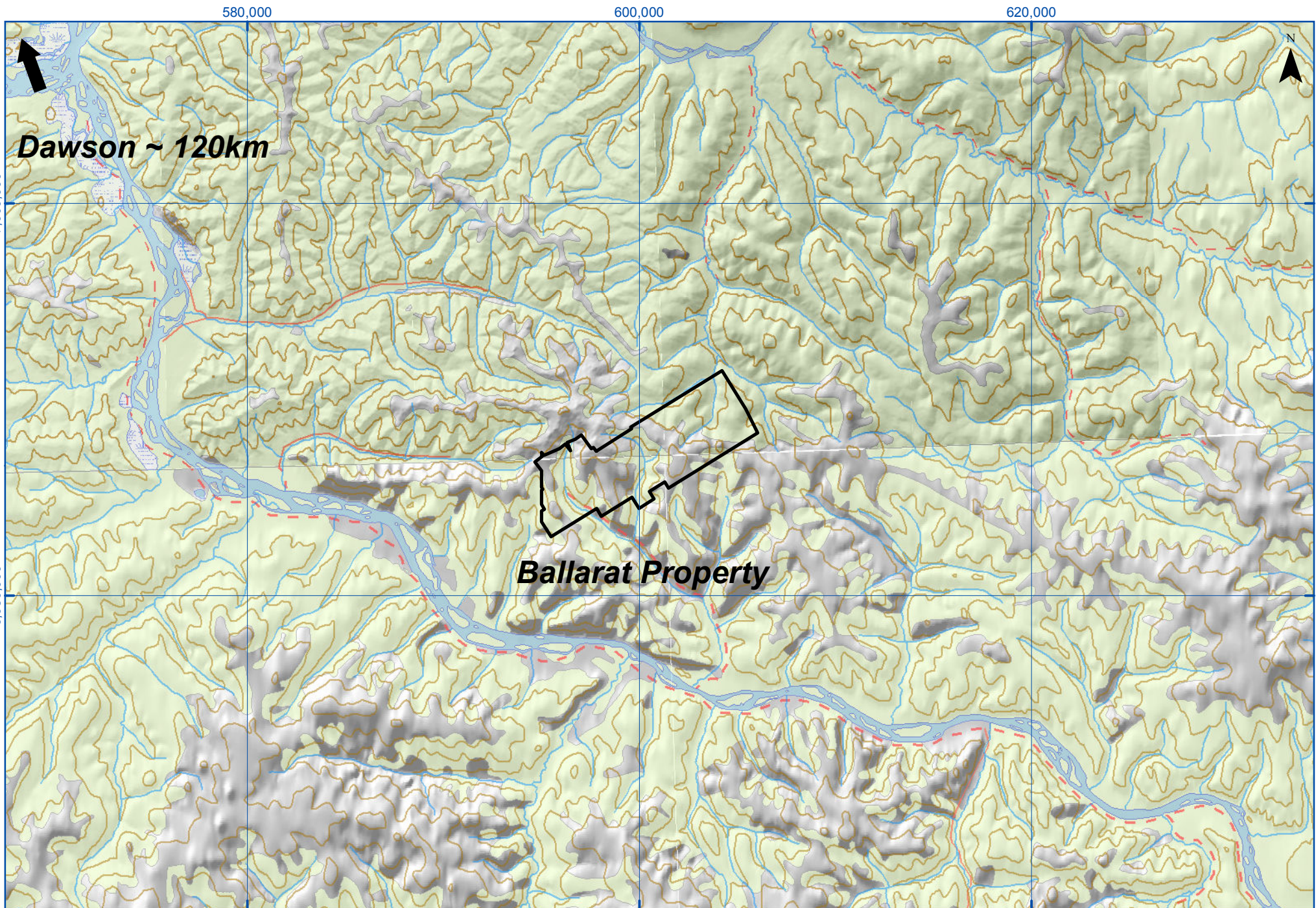
The Authors may have relied on technical data and interpretations found in various sources cited throughout the report. The Authors may not have verified this information and take no responsibility for its accuracy or completeness. Reference to the compliance or non-compliance with NI 43-101 standards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

3. Location and Property Description

The Property covers an approximate area of 4,050 hectares within the Dawson Mining Division of Yukon. The Property includes 200 contiguous, un-surveyed mineral titles (Figure 2) more fully described in Table 1 below. The Property is located at by 63° 00' North Latitude and 139° 01' West Longitude (UTM 600,000mE, 6,987,500mN) on N.T.S. 115J14, J15, O02 and O03 approximately 115km south of Dawson City.

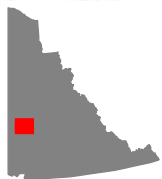
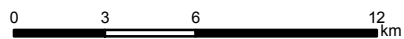
Table 1 - List of Claims

Claim Name No.	Tag No.	Expiry Date	#
KIT 3 to 14	YC07107-YC07118	15-May-15	12
TIK 1 to 52	YC95394-YC95303	04-June-15	52
TIK 53-68	YC95304-YC95333	04-June-15	16
TIK 69-82	YC95320-YC95333	02-July-15	14
BA 1-96	YD72511-YD72606	15-Sept-11	96
BA 97-104	YD72607-YD72614	11-Sept-11	8
BA 110-111	YD72802- YD72801	15-Sept-11	2
Total			200

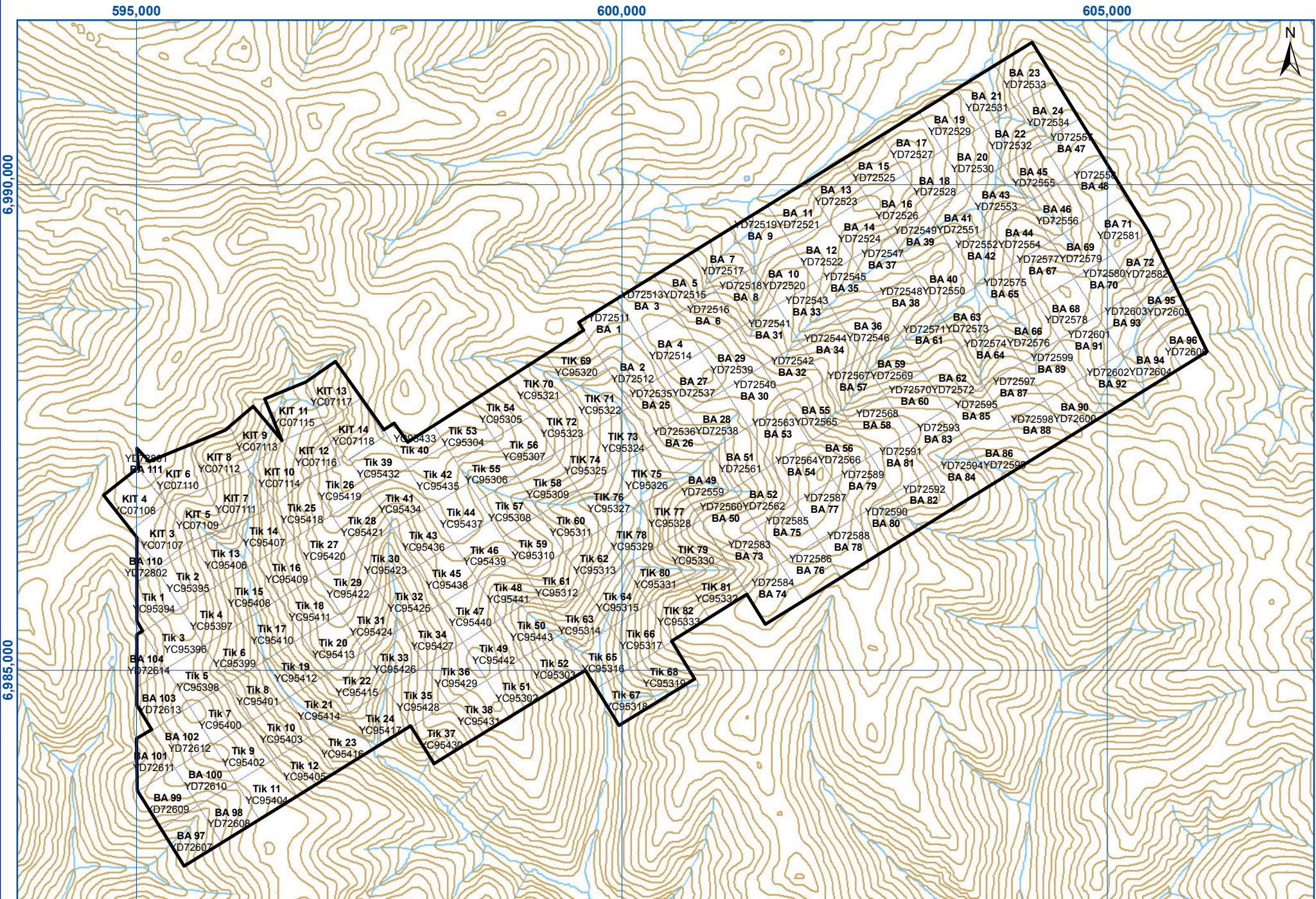


BALLARAT PROPERTY
Figure 1. GENERAL LOCATION

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:250 000

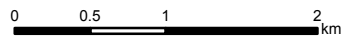


Ballarat Property
Figure 3. General Location
Stakeholder Gold Corp.
NTS Sheet: 115J & 115O
Date: November 26, 2011



BALLARAT PROPERTY
Figure 2. CLAIM MAP

Universal Transverse Mercator Zone 7
 World Geodetic System 1984
 Scale 1:50 000



Ballarat Property
 Figure 2. Claim Map
 Stakeholder Gold Corp.
 NTS Sheet: 115J/14&15 & 115O/02&03
 Date: November 15, 2011

Stakeholder is currently earning a 100% interest in the Property under the terms of an option agreement whereby the Company has agreed to pay the vendor, Farrell Andersen of Marsh Lake, Yukon, \$40,000 cash, issue 400,000 shares and complete \$500,000 of exploration work scheduled over a three year period ending June 10, 2012. The Property will be subject to a 2% royalty on mineral production, and the Company will have the option to purchase 1% of the royalty for \$1 million and the right of first refusal on the remaining 1%. In addition, the Company has agreed to pay the Vendor an advance royalty of \$110,000 upon the completion of a 43-101 compliant report that defines measured or indicated gold resources of 110,000 ounces or more on the Property.

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.

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

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

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

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

Although the Property is not reachable by road, it is relatively accessible compared to other parts of the White Gold area. Fuel, supplies and equipment can be barged to a landing on the Yukon River located at the mouth of Kirkman Creek. A gravel road built by local placer miners leads from the barge landing directly to the Property. The Property is located in an isolated part of Yukon with relatively few local resources or infrastructure. An exploration camp set up on or near the Property can be supported from Dawson City, where services are limited, or from Whitehorse where a full range of services are available.

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 800m to 1200m above sea level. Most of the Property lies below tree-line and is covered by a typical boreal mixture of pine, spruce, balsam fir, aspen, birch trees, willow and alder brush. North and west slopes are often covered with thick moss blanketing permafrost.

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

5. Exploration History

The Property covers the southeastern slopes of Thistle Mountain. Historical cumulative placer gold production from creeks draining Thistle Mountain including Ballarat, Thistle, Kirkman, Sparkling and Barker is reported to be 104,604 ounces in the period 1913 to 2006 (Compiled from Yukon Placer Mining Industry volumes published by Indian and Northern Affairs Canada).

Quartz or hard rock prospecting in the Thistle 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 Black Fox showing described as a 0.9m quartz vein with pockets of galena, chalcopryite and pyrite.

There are a number of mineral showings documented in the area listed in Table 2 below:

Table 2 - MINFILE Showings

MINFILE No.	MINEFILE Name	Link
115J 060	Tourleary	115J 060
115J 061	Ballarat	115J 061
115O 014	Black Fox	115O 014
115O 015	Agate	115O 015
115O 016	Nonpareil	115O 016

The first documented program of systematic exploration work within the area of the present Property was completed by Sparkling Minerals Inc. in 1991 (AFR 092982) on the 83-claim FAR, NEAR and BYE property. The goal of the Sparkling work was to locate a bedrock source for the placer gold recovered from the creeks draining Thistle Mountain. The work consisted of contour soil sampling, prospecting and mapping followed by the detailed 1km by 1km “Near” soil grid to cover an area where values of 0.925opt Au and 2.2opt Ag were reported from quartz float (Sample No. 1625) found in Ballarat Creek. The Near soil survey returned values up to 811ppb Au and defined several short, discontinuous gold trends based on a statistical background of 16ppb Au.

The area surrounding the Near grid was re-staked as the KIT 3-14 claims by Farrell Andersen in 1998 and a brief prospecting and soil sampling program was completed that year (AFR 093999). In 2003 Andersen completed additional rock sampling and a limited magnetic survey (AFR 094423).

In 2009, Hinterland optioned the KIT claims from Andersen and expanded the property by staking the TIK 1-82 claims. Later that year, a 360 line kilometer high resolution magnetic and radiometric airborne survey was flown on flight lines spaced 100m apart over the entire 96-claim property and a 1478-sample “B”-horizon soil geochemical survey was completed over the northwest third of the claim block at 50m sample intervals along north-south GPS traverse lines spaced 100m apart (Fekete, 2010). The soil survey outlined two parallel, northeast-trending, linear gold anomalies, roughly 1km long and approximately 200m apart.

In 2010 Hinterland concentrated on the two gold trends identified in 2009 and completed 30km of line cutting, 961 deep auger-type soil samples and 750m of mechanical trenching. The deep auger-type results defined two very strong gold-in-soil anomalies trending east-west for a minimum distance of 1000m on the property. The southern anomaly was the best defined with maximum values up to 796ppb Au. The northern anomaly has numerous high values up to 188ppb Au. The 2009 results returned maximum values of only 68ppb from an average sample depth of 30cm. In contrast the 2010 samples were taken from an

average depth of 60cm and, based on the enhanced results, appear to have sampled the deeper, less weathered, less oxidized, more representative C-horizon of the soil profile.

Four trenches were dug with an excavator at 50m intervals along a strike length of 160m. Fifty-nine rock samples were collected from the trenches in total. At the far north end of the trenches a mineralized structure was exposed at the contact of chlorite schist to the north and rusty muscovite schist to the south. The structure is marked by quartz-carbonate veins and breccias and massive stibnite (antimony) mineralization. Several samples returned antimony values above the upper detection limit of 2000ppm Sb but no significant gold values were obtained. Clearly the structure exposed by the trenching is not the source of the gold-in-soil anomalies. The only notable gold result of the trenching was 1.3gpt Au from a 1.0m wide quartz vein exposed at the south end of the second trench.

In September 2010 the Property was expanded to 200 claims by staking the BA 1-96, BA 98 to 104 and the BA 110 to 111.

Table 3 - Previous Assessment Work Files

AFR No.	Company	Year	Work	Link
092982	Sparkling Minerals Inc.	1991	Soil Geochem.	092982.pdf
093999	F. Andersen	1999	Soil Geochem.	093999.pdf
094423	F. Andersen	2003	Geophysics	094423.pdf

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 crystalline 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 White Gold district which, according to the latest compilation (Gordey and Makepeace, 1999), is underlain primarily by Devonian to Mississippian quartzites and quartz-biotite schists (DMN) and Late Devonian to Mississippian intermediate to mafic orthogneiss (DMPW) (Figure 3). The area is cut by numerous intrusions that for the most part are classified as Cretaceous. Limited mapping on the Property indicates that it is underlain by quartzites and quartz-biotite schists to the north and orthogneiss to the south (Figure 4).

7. Deposit Types

The Property lies within an underexplored part of the loosely defined Tintina Gold Belt. This metallogenic province has past production of 29.9 million ounces and 39.3 million ounces of resources for total gold resources of 69.2 million ounces. Notable gold deposits are Donlin Creek, Ft. Knox, Pogo and Brewery Creek. The underexplored nature of the Klondike-White Gold district was highlighted by Kaminak's Supremo discovery on its Coffee property in 2010 located approximately 20km southwest of Ballarat and by Underworld's discovery of the Golden Saddle and Arc zones in May 2009 on the White Gold property located 30km northwest of Ballarat.

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. Stakeholder's exploration effort at Ballarat 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.

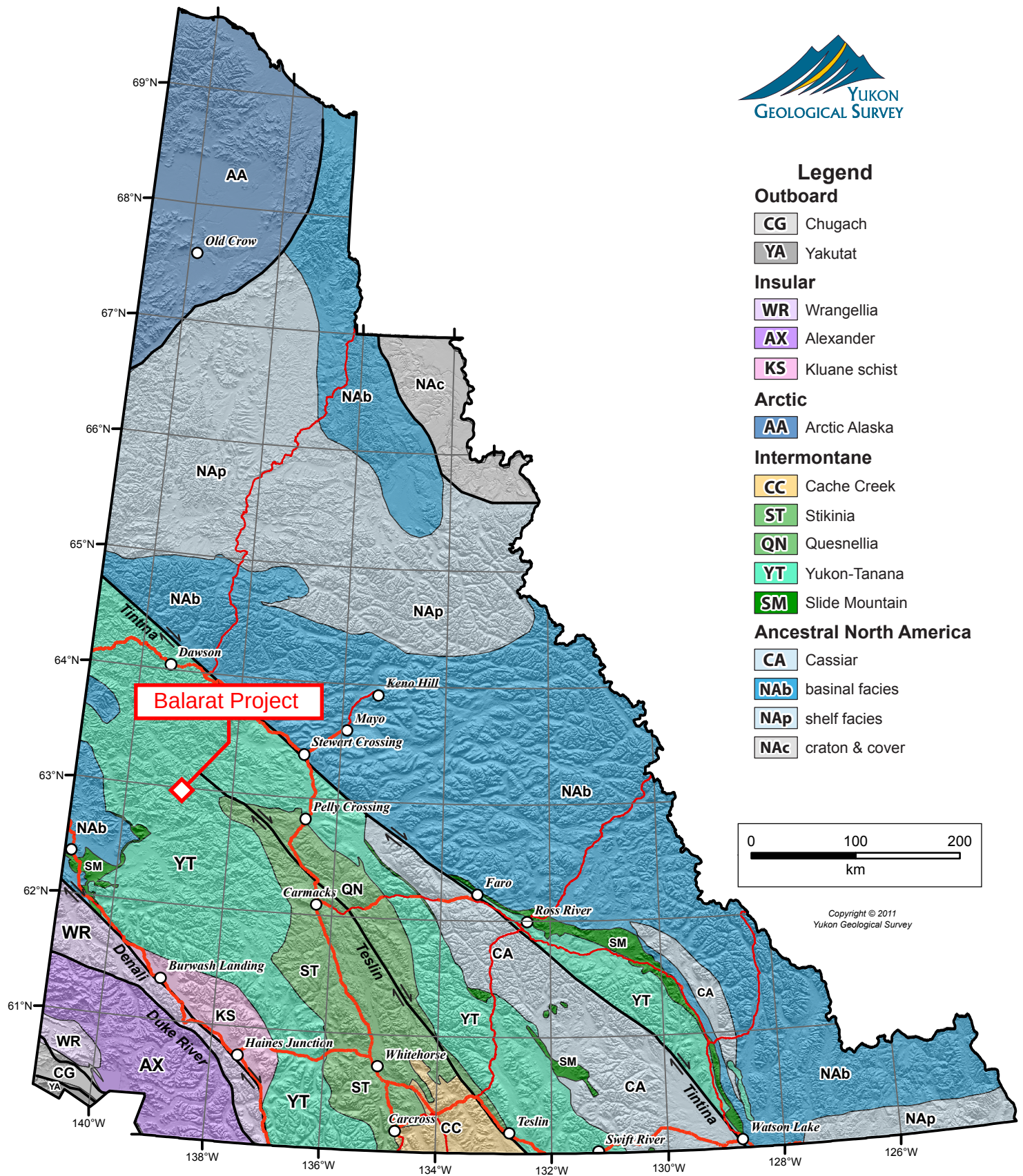
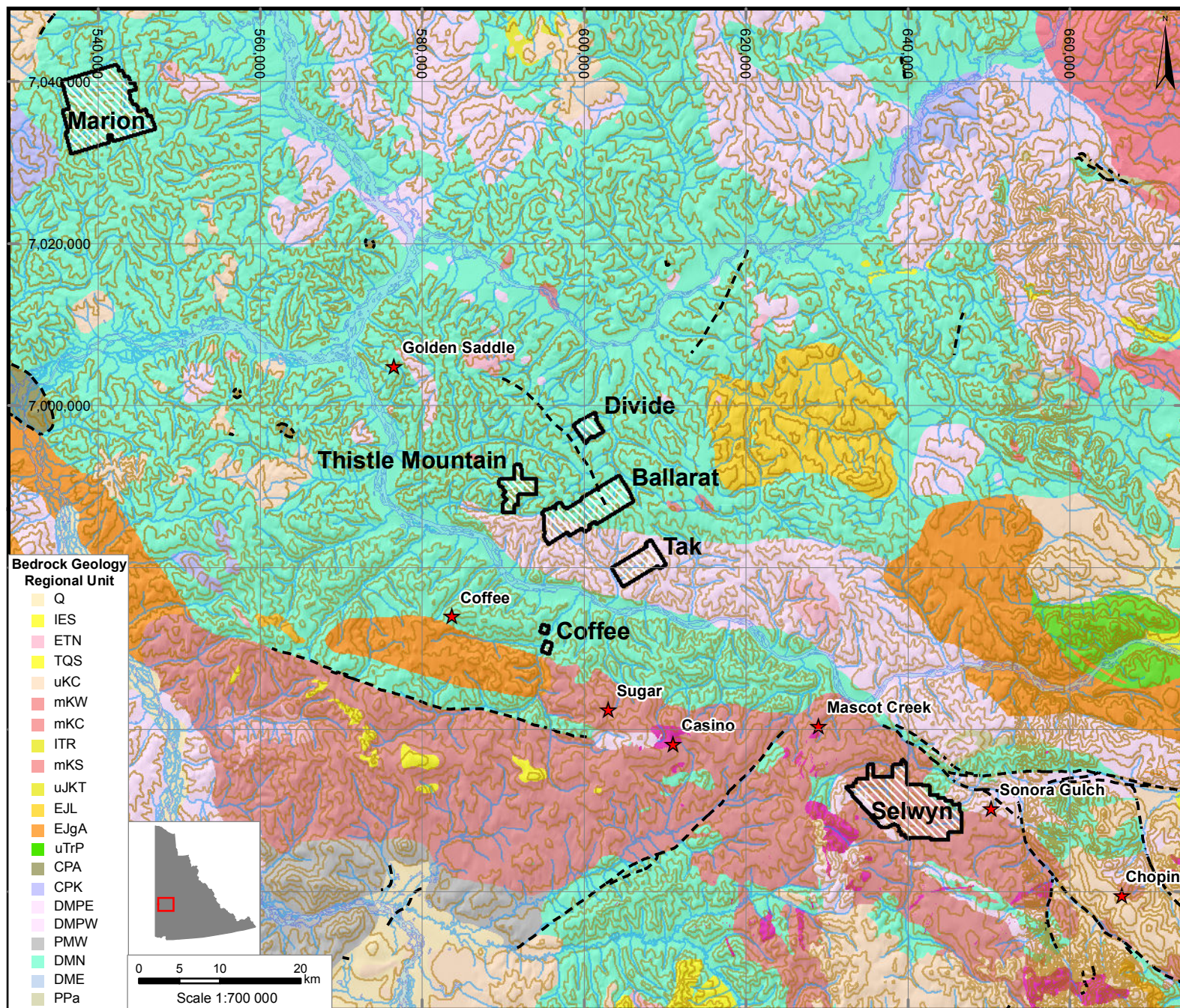


Figure 3 - Yukon Tectonic Map



LOWER EOCENE



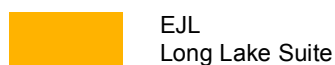
EARLY TERTIARY



MID-CRETACEOUS



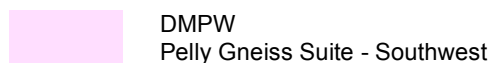
EARLY JURASSIC



DEVONIAN TO CRETACEOUS?



LATE DEVONIAN TO MISSISSIPPIAN



DEVONIAN, MISSISSIPPIAN AND(?) OLDER



SYMBOLS

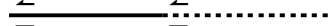
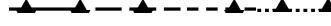
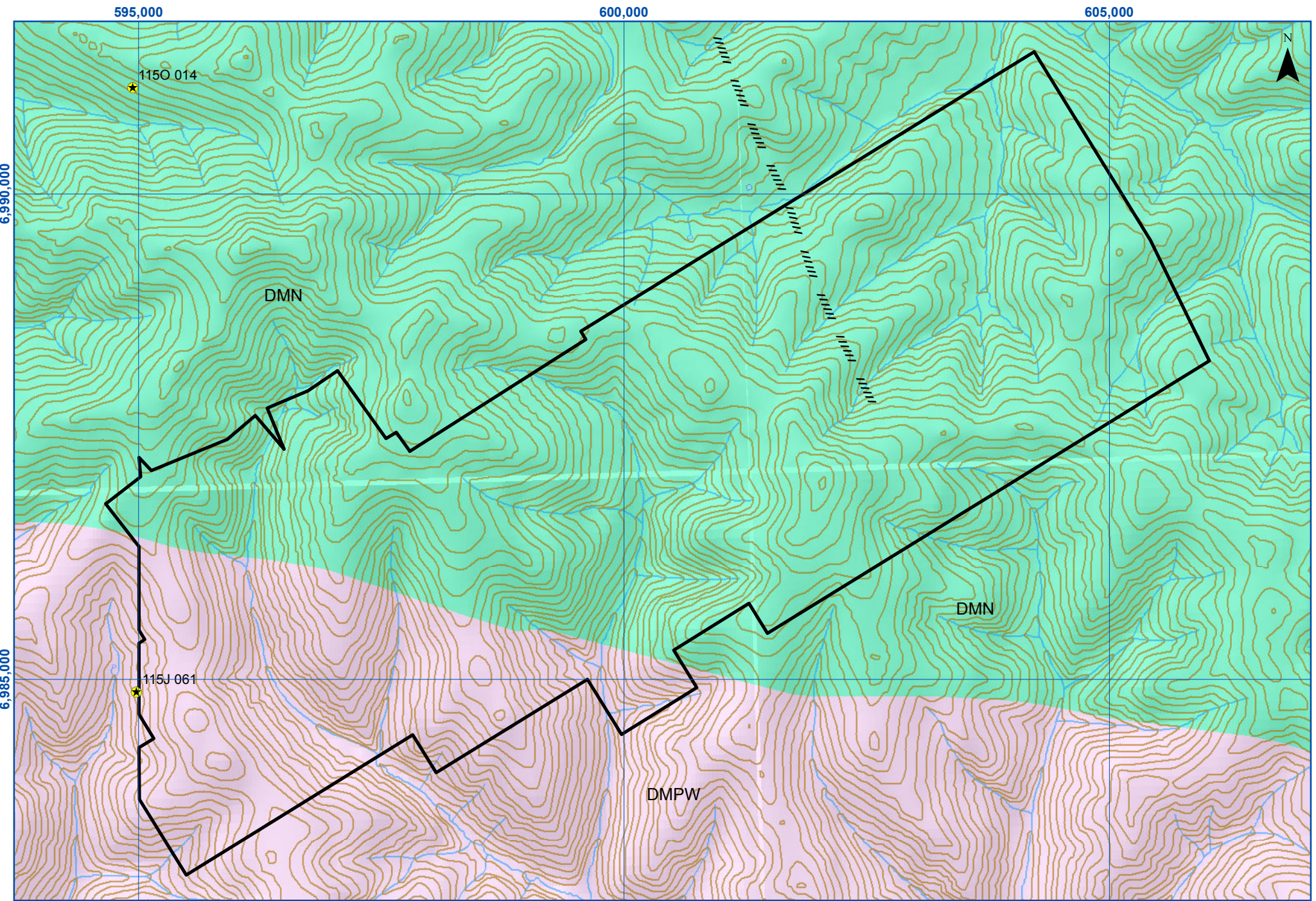
	Fault, sense of movement uncertain (defined, approximate, assumed, extrapolated)
	Fault, dextral (defined, approximate, assumed, extrapolated)
	Fault, sinistral (defined, extrapolated)
	Fault, thrust, upright (defined, approximate, assumed, extrapolated)
	Fault, thrust, overturned (defined, approximate, assumed, extrapolated)
	Fault, normal/reverse (defined, approximate, assumed, extrapolated)

Figure 3 continued. Legend for Regional Geology



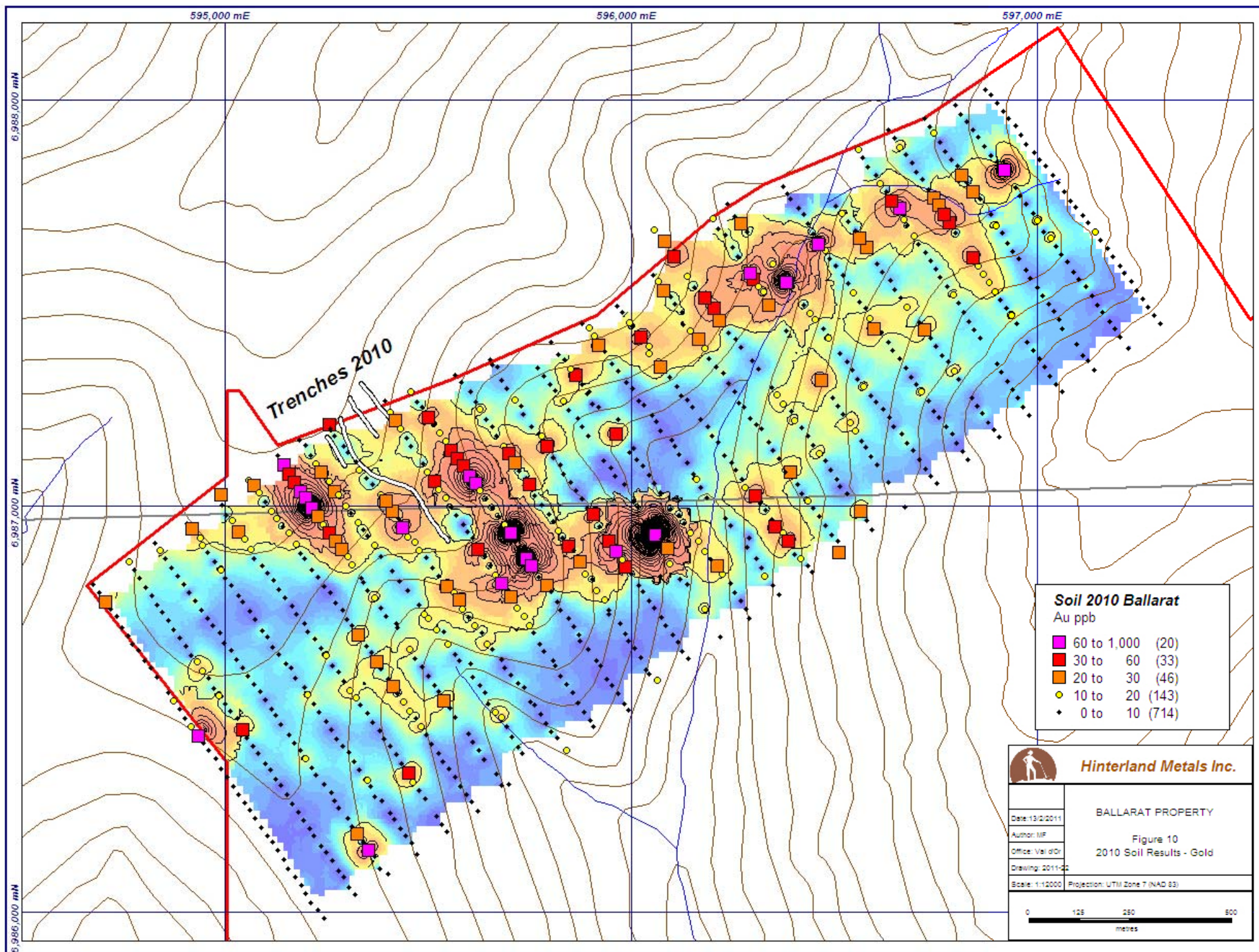
★ Mineral Occurrence

BALLARAT PROPERTY Figure 4. PROPERTY GEOLOGY

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:50 000



Ballarat Property
Figure 4. Property Geology
Stakeholder Gold Corp.
NTS Sheet: 115J/14&15 & 115O/02&03
Date: November 26, 2011



8. Mineralization

Very little *in situ* mineralization has been identified on the Property to date due primarily to the lack of outcrop. A number of quartz veins and quartz breccias have been uncovered with or without disseminated sulphides. The most interesting mineralization is found at the north end of the four trenches excavated in 2010. Disseminated pyrite and massive stibnite is found in a brecciated zone marked by strong silica alteration and a distinctive green colour. This mineralization is described in more detail below.

9. 2011 Exploration Work

9.1. Introduction

The 2009 and 2010 soil geochemical work was done in the northwestern part of the Property only. In 2011, a reconnaissance deep auger-type soil geochemical survey was done over the central and eastern parts of the Property to identify other possible areas for detailed work. The sampling was done from August 2 to August 27 by a Breakaway crew under the supervision of the Senior Author. Prospecting and sampling was also done in the four trenches excavated in 2010 on August 16, 17 and 18. The analytical work was completed by October 31, 2011. A detailed Statement of Work is included herein as Appendix A. The Junior Author compiled the field data into digital maps and wrote this Report up to January 15, 2012.

9.2. Sampling and Analytical Procedures

The deep auger-type soil geochemical survey was done on foot by a crew set out daily by helicopter from Stakeholder's camp located on Kirkman Creek approximately 5 kilometres due west of the Property. A total of 820 soil samples, including field duplicates, were collected. Soil samples were taken at stations 50m apart along predetermined GPS traverse lines. A total of 18 rock samples were collected in the trenches as part of an undergraduate research project completed by geology student Clifford Taylor at Dalhousie University in Halifax, Nova Scotia (Appendix D). The goal of the project was to gain a better understanding of the mineralized zone uncovered at the north end of the trenches. Mr. Taylor and geologist Ben Dubois travelled each day to the trenches by ATV from Stakeholder's Kirkman camp.

Sample locations were flagged in the field and recorded with HP iPAQ 200 series field computers running GeoInfoMobile and Tierra Mapper software paired with Holux GPS receivers in map datum UTM WGS 84 Zone 7N. Sample locations (Figure 6) 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 20 to 90cm with an average depth of 45cm.

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 minus 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.

Sampling and analytical procedures for the rock samples collected in the trenches are described in detail in Appendix D. In summary a total of 21 thin sections and 16 polished sections were prepared. Rock descriptions were done by examining the thin sections with a transmitted light microscope. Geochemical analysis was carried out on a number of selected polished thin sections sampled by X-ray Fluorescence. The compositions of selected minerals were determined by Electron Microprobe analysis of a number of polished sections.

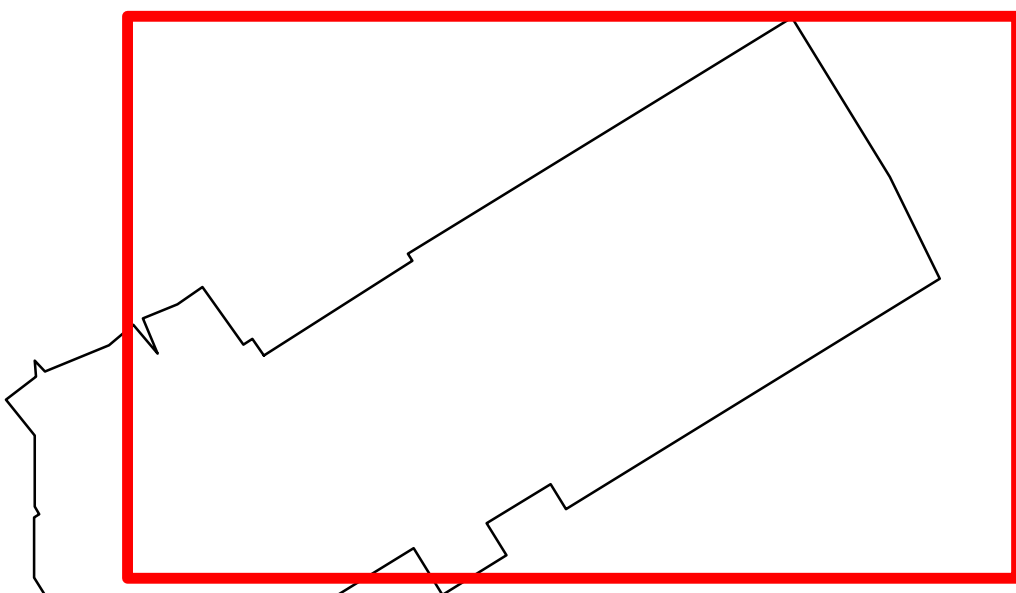
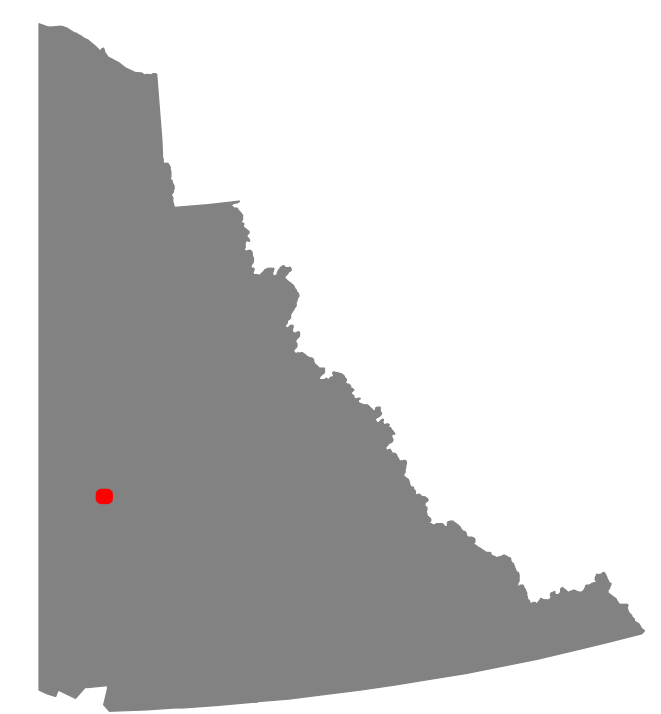
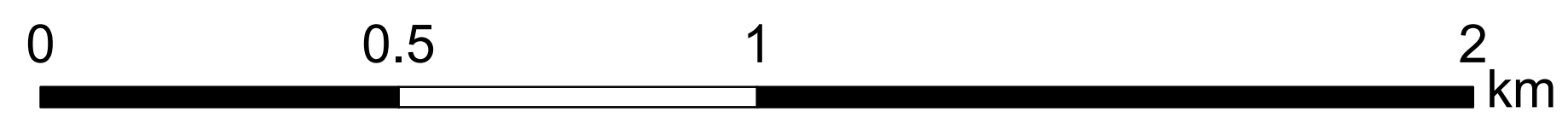
9.3. Data Verification

It is the Authors' opinion that the sampling procedures, security measures, sample preparations and analytical methods applied to the soil and rock samples were diligently followed and are adequate to meet industry standards commonly accepted for this level of exploration. The Authors have relied upon the adequacy and accuracy of the analytical results provided by Acme. Independent verification of those results has not been undertaken. The Authors reconciled the field data with the analytical results and found no discrepancies.

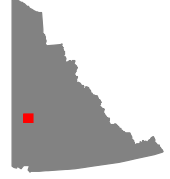
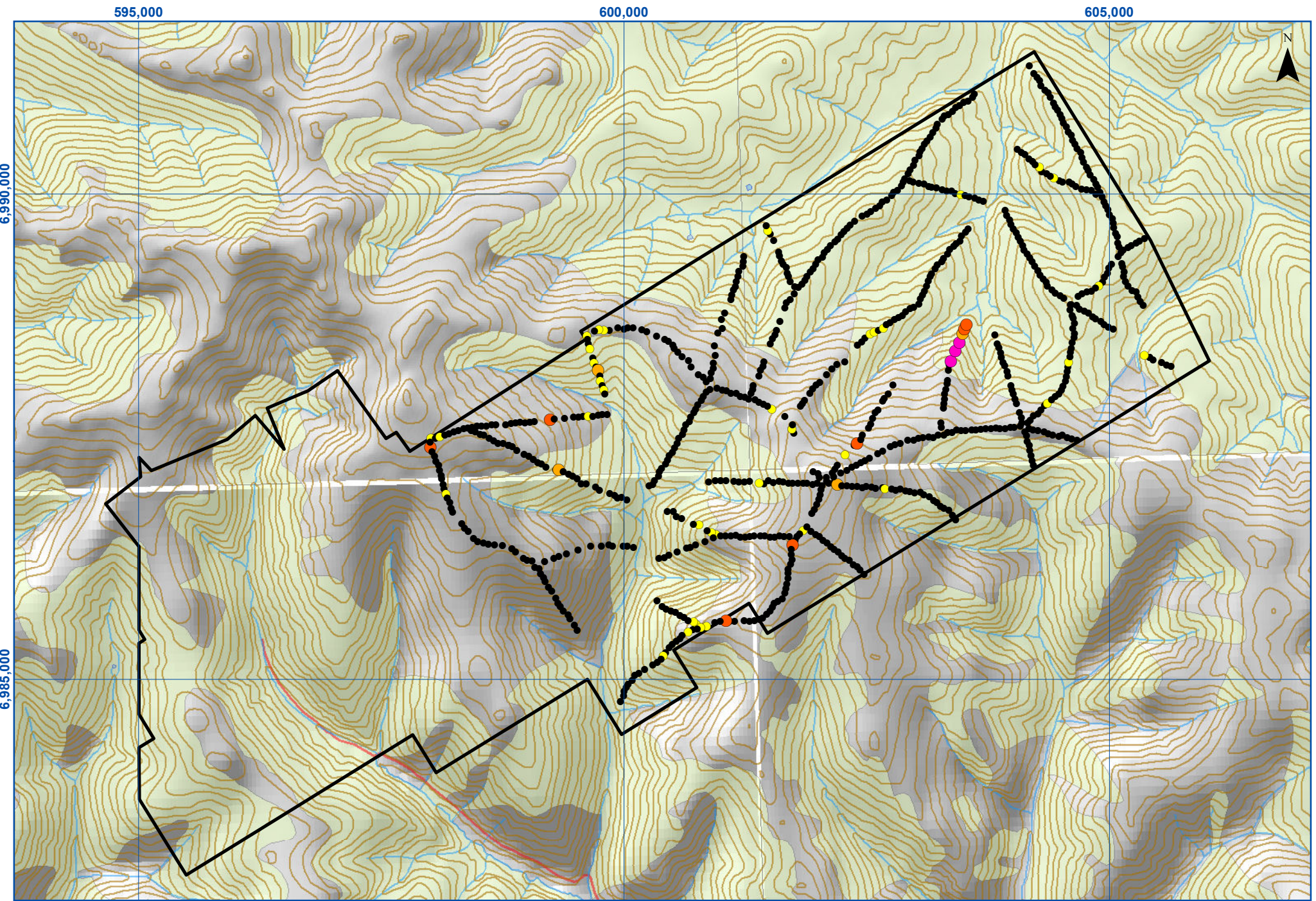


BALLARAT PROPERTY
Figure 5. SAMPLE LOCATIONS

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



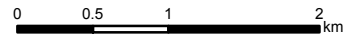
Ballarat Property
Figure 5. Sample Locations
Stakeholder Gold Corp.
NTS Sheet: 115J/14 & 15, 115O/02 & 03
Date: November 2, 2011



- Soil Au ppb
- 0 - 10
 - 10 - 20
 - 20 - 30
 - 30 - 60
 - > 60

BALLARAT PROPERTY
Figure 6. DETAILED GOLD ANOMALY MAP

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:50 000



Ballarat Property
Figure 6. Detailed Gold Anomaly Map
Stakeholder Gold Corp.
NTS Sheet: 115J/14&15 & 115O/02&03
Date: November 26, 2011

9.4. Results

The soil samples returned gold values ranging from below detection limit (i.e. <0.5ppb Au) to a maximum of 163.6ppb Au. The best results were found on a single traverse line found at the headwaters of the creek draining the eastern part of the Property where strong to moderate gold-in-soil values were returned over a continuous distance of 300m. There are at least two other areas that show weak to moderate gold-in-soil anomalies over distances ranging from 200 to 600m (Figure 7).

The study done on the rock samples collected in the trenches accomplished a number of things. First, a reasonable geology map was generated for the area of the trenches that shows three distinct units from north to south consisting of amphibolite, quartzite schist and gneiss.

Second, it provides a detailed description of the alteration and mineralization found at the boundary between the amphibolite and the quartzite schist. This contact is marked by strong silica alteration that in thin section is seen to be composed almost entirely of quartz. The characteristic green colour of the alteration zone is due to pervasive green mica, which electron microprobe analyses suggest is a chromium rich muscovite (probably fuchsite). Sulphide minerals identified in the alteration zone include pyrite and stibnite with minor amounts of arsenic-rich gersdorffite and tetrahedrite. The footwall of the alteration zone is well brecciated suggesting that the zone was structurally controlled and that the contact between the amphibolite and the schist-quartzite unit is a fault.

Finally, gold values are very low in the alteration zone and the sulphide mineral assemblage is dominated by antimony, arsenic and tungsten suggesting proximal mineralization in a Reduced Intrusion-Related Gold System (RIRGS) deposit model (Hart 2007). That is to say, although the zone itself appears to have little gold potential, it does point to the potential for gold mineralization nearby. The 2010 trenches do not appear to have gone far enough south to have tested the two gold-in-soil trends identified by the 2010 deep-auger soil geochemical survey.

10. Adjacent Properties

In October 2011, Arcus Development Group Inc. announced the discovery of a volcanogenic massive sulphide system on the Touleary property immediately west of the Property (Arcus Press Release - October 4, 2011). Drilling within a 300 section of a 1,200m long zone of coincident geophysical and intermittent gold-in-soil geochemical anomalies intersected notable mineralization in four out of five drill holes. The best intersection was reported in hole TL11-05 and returned 7.18% Cu, 116gpt Ag, 3.55gpt Au and 4.03% Zn across 2.25m from 115.6m. A second zone in the same hole returned 1.44% Cu, 16.5gpt Ag, 0.77gpt Au and 0.29% Zn across 14.15m from 124.5m.

Significant gold mineralization has been reported approximately 20km southwest of Ballarat at Kaminak's discovery hole of 17.1gpt Au over 15.5m at the Supremo zone (Kaminak Press Release - May 26, 2010). Approximately 30km northwest of Ballarat lies Kinross's White Gold deposit with a current resource estimation at the Golden Saddle zone of 1,004,570 indicated ounces at 3.2gpt Au and 407,413 inferred ounces at 2.5gpt Au; and at the Arc Zone of 170,470 inferred ounces at 1.2gpt Au (Underworld Press Release - January 19, 2010).

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

11. Mineral Processing and Metallurgical Testing

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

12. Mineral Resource and Mineral Reserve Estimates

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

13. Other Relevant Data and Information

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

14. Interpretation of Results and Conclusions

The 2011 deep-auger sampling program has identified at least one area for follow-up work. This area, found at the headwaters of the creek draining the eastern part of the Property, is marked by strong to moderate gold-in-soil values over a continuous distance of 300m. Detailed soil sampling followed by trenching with a helicopter-portable Can-Dig excavator is required to test this area further.

The study on the rock samples collected in the trenches clearly indicates that the mineralization found in the trenches is not the source of the two gold-in-soil geochemical trends. Moreover, it is clear that the 2010 trenches did not test these trends. Due to the steep slope south of the trenches it is unlikely that the gold trends can be adequately tested by trenching. Core drilling is required to test these zones.

15. Recommendations

It is recommended that a detailed deep-auger soil grid measuring 1000m by 1000m with 50m sample stations on lines spaced at 50m be completed over the headwater zone in the eastern part of the Property for a total of approximately 450 samples. If this work outlines a more extensive gold-in-soil anomaly, then a Can-Dig excavator should be flown in to complete a trenching program over the anomaly.

Core drilling is recommended to test the two gold-in-soil anomalies found in the northwestern part of the Property. A minimum of 3 holes should be drilled on the southern, stronger trend, and at least two holes should be drilled to test the northern trend.

The estimated cost of the recommended exploration program is outlined in the following table.

Table 4 - Estimated Budget

Drilling	750	m @	\$	500	per m	\$	375,000
Soil survey	450	samples @	\$	70	per sample	\$	31,500
Trenching	5	days @	\$	2,500	perday	\$	12,500
Contingency ~ 20%						\$	81,000
						\$	500,000

16. References

Fekete, M., 2010

Surface Work Performed from July 3, 2009 to April 27, 2010 on the Ballarat Property KIT 3 to 14 (YC07107 to YC07118) TIK 1 to TIK (YC95394 to YC95333) Dawson Mining District, Yukon NTS Sheets 115J14 & 115O3 62°59'N. Lat., 139°04'W. Long.

Gordey, S.P. and Makepeace, A.J. (comp.) 1999

Yukon bedrock geology in Yukon digital geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada Open File D3826 and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1(D)

Hart, Craig J. R. 2007

Reduced Intrusion-Related Gold Systems. Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5, p. 95-112.

Appendix A - Statement of Work Expenditures

QD01467



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

Version française

I, Mark Fekete

of Val d'Or, Quebec

Phone 819-874-8182

make oath and say that:



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

See attached schedule

situated at Headwaters Ballarat Creek Claim sheet No. 115J/14&15, 115O/02&03

in the Dawson Mining District, to the value of at least 66,065.54 dollars,

since the 1st day of June 20 11

to represent the following mineral claims under the authority of Grouping Certificate No. H003243.
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

See attached schedule

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

The work included a soil geochemical survey over the entire block of 96 claims. The work began June 1 and continued until

September 14, 2011. A total of 820 samples were collected.

623 samples were collected on the grouped block & costs provided accordingly.

Sworn before me at Dawson this 26 day of September 20 11

[Signature]
Notary Public

[Signature]
Owner or Authorized Agent

Access to Information and Protection of Privacy Act

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

YG(5049Q) F2 04/2003

Supplier	Invoice	Date			Geochem							Total
					Wages & Contract	F&L	Supplies	Transport	Rentals	Assays	Supplies	Total
Name	Ref No.	Date	Month	Project	5150	5151	5152	5153	5154	5156	5452	Total
ALX	705	28-Jul-11	07-11	Ballarat							3,825.00	3,825.00
Small's Exp.	K7018	8-Aug-11	08-11	Ballarat			1,718.45					1,718.45
Small's Exp.	K7001	31-Jul-11	07-11	Ballarat				720.00				720.00
Small's Exp.	K6972	31-Jul-11	07-11	Ballarat	150.00							150.00
EIS	0000119828	28-Jul-11	07-11	Ballarat					1,250.00			1,250.00
Arctic Inland	2081756	29-Jul-11	07-11	Ballarat			1,603.65					1,603.65
Dawson Hardware	31/07/2011	31-Jul-11	07-11	Ballarat			288.25					288.25
Heli-Dynamics	11902	2-Aug-11	08-11	Ballarat				1,051.94				1,051.94
Heli-Dynamics	11903	3-Aug-11	08-11	Ballarat				701.29				701.29
Heli-Dynamics	11904	4-Aug-11	08-11	Ballarat				876.61				876.61
Heli-Dynamics	11905	5-Aug-11	08-11	Ballarat				642.85				642.85
Heli-Dynamics	11906	6-Aug-11	08-11	Ballarat				642.85				642.85
Heli-Dynamics	11907	7-Aug-11	08-11	Ballarat				730.51				730.51
Heli-Dynamics	11909	9-Aug-11	08-11	Ballarat				292.20				292.20
Heli-Dynamics	11910	10-Aug-11	08-11	Ballarat				292.20				292.20
Heli-Dynamics	11913	12-Aug-11	08-11	Ballarat				1,227.26				1,227.26
Heli-Dynamics	11868	13-Aug-11	08-11	Ballarat				832.47				832.47
Heli-Dynamics	11869	14-Aug-11	08-11	Ballarat				772.55				772.55
Heli-Dynamics	11870	15-Aug-11	08-11	Ballarat				397.31				397.31
Heli-Dynamics	11919	18-Aug-11	08-11	Ballarat				1,051.94				1,051.94
Heli-Dynamics	11920	19-Aug-11	08-11	Ballarat				701.29				701.29
Heli-Dynamics	11882	21-Aug-11	08-11	Ballarat				1,607.12				1,607.12
Heli-Dynamics	11881	20-Aug-11	08-11	Ballarat				1,986.99				1,986.99
Heli-Dynamics	11883	22-Aug-11	08-11	Ballarat				1,402.58				1,402.58
Small's Exp.	K7143	18-Aug-11	08-11	Ballarat				100.00				100.00
EIS	0000119961	22-Aug-11	08-11	Ballarat					1,250.00			1,250.00
Alkan Air	13518-10	2-Aug-11	08-11	Ballarat				1,725.20				1,725.20
Heli-Dynamics	11873	16-Aug-11	08-11	Ballarat				496.40				496.40
Heli-Dynamics	11885	23-Aug-11	08-11	Ballarat				1,314.92				1,314.92
Heli-Dynamics	11886	24-Aug-11	08-11	Ballarat				1,227.26				1,227.26
Heli-Dynamics	11890	27-Aug-11	08-11	Ballarat				847.39				847.39
Small's Exp.	K7317	15-Aug-11	08-11	Ballarat	33.64							33.64
Small's Exp.	K7281	15-Aug-11	08-11	Ballarat	42.04							42.04
Bonanza Market	Stms 08/16/2011	16-Aug-11	08-11	Ballarat		416.76						416.76
Dawson Hardware	Stmt 08/31/2011	31-Aug-11	08-11	Ballarat				420.73				420.73
Tintina Air	531	27-Aug-11	08-11	Ballarat				145.05				145.05
Tintina Air	510	13-Aug-11	08-11	Ballarat				473.83				473.83
Estimated Acme				Ballarat						14,022.00		14,022.00
Breakaway	Stmt 20/09/2011	20-Sep-11	09-11	Ballarat	16,475.00							16,475.00
Breakaway	Stmt 20/09/2011	20-Sep-11	09-11	Ballarat			1,230.00					1,230.00
Breakaway	Stmt 20/09/2011	20-Sep-11	09-11	Ballarat				150.00				150.00
Breakaway	Stmt 20/09/2011	20-Sep-11	09-11	Ballarat					930.00			930.00
bottom					16,700.68	416.76	4,840.35	22,830.75	3,430.00	14,022.00	3,825.00	66,065.54



\$47,858.86

47858.86

Claim Information					Work Done	Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YD72511	BA	1	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72591	BA	81	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72592	BA	82	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72593	BA	83	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72594	BA	84	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72595	BA	85	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72596	BA	86	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72597	BA	87	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72598	BA	88	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72599	BA	89	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72600	BA	90	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72601	BA	91	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72602	BA	92	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72603	BA	93	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72604	BA	94	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72605	BA	95	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72606	BA	96	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Column Total					\$ 66,065.54			\$ 8,400.00

47,858.86 @ 629.72/claim worked (76)

C/d to 01 March.

$$96 @ 3.5 \text{ yrs} = 336 \times \$5 = 1680.00$$

Also renewing BA 97-104 - 8 claims $\times$ 3.5 yrs = 28 yrs.
also added $2\frac{1}{2}$ yrs. on BA 110-111 - see attached email
09 Mar 2012

Chick State.
Sept 29, 2011



4/11/12
Vicki.Roberts

From: Mark Fekete <mark@takugold.com>
Sent: Friday, March 09, 2012 11:34 AM
To: Vicki.Roberts
Subject: RE: BA 110 & BA 111

yes

From: Vicki.Roberts@gov.yk.ca [mailto:Vicki.Roberts@gov.yk.ca]
Sent: March-09-12 1:06 PM
To: mark@takugold.com
Subject: BA 110 & BA 111

Hi Mark,
I am currently working on the grouping/renewal of BA, Kit and Tik claims. The above two noted claims are off on their own with out of sequence grant numbers and were renewed by Pay in Lieu for one year by Richard Hardwood in early September. There is still enough work left over to renew and common date these to 01 March 2015, which you have done with the other BA claims. Do you want to add them, there would be additional fees of \$25.00 which we can do by email? Let me know.

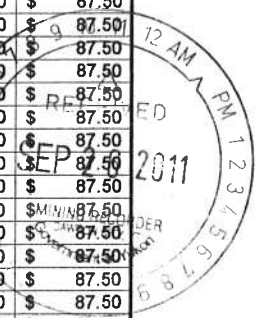
Vicki Roberts
Mining Administration Officer
Dawson Mining Recorder's Office
867-993-5343

PS – Also, Sarah is still waiting for a reply from you.

Claim List for Cert of Work 2011 Ballarat

Q D01467

Claim Information					Work Done	Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YD72511	BA	1	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72512	BA	2	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72513	BA	3	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72514	BA	4	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72515	BA	5	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72516	BA	6	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72517	BA	7	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
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Quartz	YD72531	BA	21	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
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Quartz	YD72550	BA	40	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72551	BA	41	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72552	BA	42	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72553	BA	43	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72554	BA	44	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72555	BA	45	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72556	BA	46	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72557	BA	47	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72558	BA	48	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72559	BA	49	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72560	BA	50	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72561	BA	51	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72562	BA	52	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72563	BA	53	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72564	BA	54	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72565	BA	55	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72566	BA	56	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72567	BA	57	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72568	BA	58	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72569	BA	59	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72570	BA	60	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72571	BA	61	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72572	BA	62	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72573	BA	63	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72574	BA	64	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72575	BA	65	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72576	BA	66	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72577	BA	67	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72578	BA	68	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72579	BA	69	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72580	BA	70	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72581	BA	71	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72582	BA	72	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72583	BA	73	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50
Quartz	YD72584	BA	74	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72585	BA	75	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72586	BA	76	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72587	BA	77	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72588	BA	78	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72589	BA	79	9/15/2011 0:00	\$ 869.28	3.5	\$ 25.00	\$ 87.50
Quartz	YD72590	BA	80	9/15/2011 0:00	\$ -	3.5	\$ 25.00	\$ 87.50



Renewal Certificate



Renewal Certificate Number: QD01467

CERTIFICATE OF WORK
Form 5, Section 56
QUARTZ MINING ACT

Dawson Mining District

Claim Name	Grant Number	Renewal Term	Expiry Date
BA 25 - 104	YD72535 - YD72614	3.5	01 Mar 2015 C/D
BA 110	YD72802	2.5	01 Mar 2015 C/D
BA 111	YD72801	2.5	01 Mar 2015 C/D
BA 1 - 24	YD72511 - YD72534	3.5	01 Mar 2015 C/D

This is to certify that an affidavit setting out a detailed statement of work done on the above claim(s) since the 01 day of June 2011 has this day been filed in my office; and in pursuance to the provisions of the Quartz Mining Act, I do now issue this certificate of work in respect of the above claim(s) to:

Stakeholder Gold Corp.

100.00 %

Work has been done on the said claims under the following grouping number(s):

HD03243

This certificate entitles the owners to continue in possession of the said claims.

Receipt Number: MRDA020	
Fees: \$1,845.00	
Filing Date: 26 September 2011	
Janet Bell-MacDonald Dawson Mining Recorder	

Group List

Grouping Certificate Number: HD03243

GROUPING CERTIFICATE Form 6, Section 55 QUARTZ MINING ACT

Dawson Mining District

Certificate that annual expenditure may, after recording claims, be made on any one of not more than 750 claims grouped together for the performance of work.

This is to certify that in accordance with the provisions of Section 55 of the Quartz Mining Act the registered owner or agent of the owner(s) of the following mineral claims has (have) filed a notice of his (her) intention to group those claims together for the performance of work:

Grant Number(s)

YD72535 - YD72614
YD72802
YD72801
YD72511 - YD72534
YC07107 - YC07118
YC95394 - YC95443
YC95302 - YC95319
YC95320 - YC95333

Claim Name(s)

BA 25 - 104
BA 110
BA 111
BA 1 - 24
KIT 3 - 14
Tik 1 - 50
Tik 51 - 68
TIK 69 - 82

Owner(s): Stakeholder Gold Corp..

Location area(s): Thistle Mountain Area, Ballarat Creek, Ballarat Creek Area.

Claim Sheet(s): 115J14, 115J15, 115O02, 115O03, .

Number of Claims in Grouping:	200	 Janet Bell-MacDonald Dawson Mining Recorder
Fees:	\$100.00	
Receipt Number:	MRDA020	
Filing Date:	26 September 2011	

Surface Work Performed from June 1, 2011 to September 14, 2011

**On the
Ballarat Property**

KIT 3 to 14	YC07107-YC07118
TIK 1 to 52	YC95394-YC95303
TIK 53-68	YC95304-YC95333
TIK 69-82	YC95320-YC95333
BA 1-96	YD72511-YD72606
BA 98-104	YD72606-YD72614
BA 110-111	YD72802- YD72801

**Dawson Mining District, Yukon
NTS Sheets 115J14,J15, O02 and O03
63° 00' N. Lat., 139° 01' W. Long.**

Operated by



**By
Mark Fekete, P.Geo.
and
Ben Dubois, B.Sc., GIT
January 15, 2012**

Volume II

Appendix B - Sample Locations and Descriptions

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
100556	12/08/2011	ChrisErdman	601760	6986433	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	20	Dry	Good	
100557	12/08/2011	ChrisErdman	601738	6986388	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100558	12/08/2011	ChrisErdman	601725	6986334	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100559	12/08/2011	ChrisErdman	601724	6986285	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100560	12/08/2011	ChrisErdman	601732	6986232	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	
100561	12/08/2011	ChrisErdman	601716	6986189	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	70	Dry	Poor	
100562	12/08/2011	ChrisErdman	601692	6986133	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100563	12/08/2011	ChrisErdman	601692	6986094	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100564	12/08/2011	ChrisErdman	601689	6986041	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	20	Dry	Poor	
100565	12/08/2011	ChrisErdman	601679	6985986	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100566	12/08/2011	ChrisErdman	601670	6985936	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100567	12/08/2011	ChrisErdman	601656	6985894	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Excellent	
100568	12/08/2011	ChrisErdman	601631	6985826	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	
100569	12/08/2011	ChrisErdman	601586	6985801	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100570	12/08/2011	ChrisErdman	601545	6985783	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100571	12/08/2011	ChrisErdman	601528	6985743	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100572	12/08/2011	ChrisErdman	601502	6985701	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100573	12/08/2011	ChrisErdman	601472	6985671	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100574	12/08/2011	ChrisErdman	601428	6985631	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100575	12/08/2011	ChrisErdman	600747	6985568	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100576	12/08/2011	ChrisErdman	600719	6985594	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100577	12/08/2011	ChrisErdman	600660	6985605	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100578	12/08/2011	ChrisErdman	600620	6985637	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100579	12/08/2011	ChrisErdman	600576	6985659	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Poor	
100580	12/08/2011	ChrisErdman	600530	6985693	UTMZ7N_WGS84	Alluvium	Brown	Silt		B	40	Dry	Poor	
100581	12/08/2011	ChrisErdman	600484	6985707	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Poor	
100582	12/08/2011	ChrisErdman	600433	6985722	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Moist		
100583	12/08/2011	ChrisErdman	600396	6985754	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	
100584	12/08/2011	ChrisErdman	600339	6985806	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	80	Moist	Poor	
100585	13/08/2011	ChrisErdman	598006	6987392	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100586	13/08/2011	ChrisErdman	598050	6987298	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100587	13/08/2011	ChrisErdman	598091	6987204	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100588	13/08/2011	ChrisErdman	598119	6987102	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100589	13/08/2011	ChrisErdman	598137	6987007	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100590	13/08/2011	ChrisErdman	598147	6986962	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100591	13/08/2011	ChrisErdman	598168	6986914	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100592	13/08/2011	ChrisErdman	598182	6986871	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100593	13/08/2011	ChrisErdman	598204	6986820	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100594	13/08/2011	ChrisErdman	598220	6986764	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100595	13/08/2011	ChrisErdman	598236	6986722	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100596	13/08/2011	ChrisErdman	598331	6986603	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100597	13/08/2011	ChrisErdman	598360	6986554	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	60	Dry	Good	
100598	13/08/2011	ChrisErdman	598398	6986525	UTMZ7N_WGS84	Colluvium	Tan	Silt		B	40	Dry	Good	
100599	13/08/2011	ChrisErdman	598450	6986452	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100600	13/08/2011	ChrisErdman	598496	6986420	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Good	
100601	13/08/2011	ChrisErdman	598553	6986404	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100602	13/08/2011	ChrisErdman	598603	6986391	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Dry	Good	
100603	13/08/2011	ChrisErdman	598666	6986389	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100604	13/08/2011	ChrisErdman	598747	6986379	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt		B	30	Dry	Good	

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
100605	13/08/2011	ChrisErdman	598847	6986344	UTMZ7N_WGS84	Colluvium	Tan	Silt		B	30		Poor	
100606	13/08/2011	ChrisErdman	598882	6986312	UTMZ7N_WGS84	Colluvium	Tan	Silt		B	40	Dry	Good	
100607	13/08/2011	ChrisErdman	598966	6986246	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	
100608	13/08/2011	ChrisErdman	599004	6986225	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	
100609	13/08/2011	ChrisErdman	599081	6986152	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100610	13/08/2011	ChrisErdman	599123	6986139	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Moist	Poor	
100611	13/08/2011	ChrisErdman	599143	6986088	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	
100612	13/08/2011	ChrisErdman	599171	6986050	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100613	13/08/2011	ChrisErdman	599189	6986012	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	
100614	13/08/2011	ChrisErdman	599221	6985950	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100615	13/08/2011	ChrisErdman	599258	6985907	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100616	13/08/2011	ChrisErdman	599300	6985835	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100617	13/08/2011	ChrisErdman	599318	6985785	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	50	Dry	Good	
100618	13/08/2011	ChrisErdman	599344	6985749	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100619	13/08/2011	ChrisErdman	599376	6985701	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100620	13/08/2011	ChrisErdman	599424	6985662	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100621	13/08/2011	ChrisErdman	599443	6985625	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100622	13/08/2011	ChrisErdman	599491	6985558	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100623	13/08/2011	ChrisErdman	599519	6985506	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100624	14/08/2011	ChrisErdman	600690	6988217	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100625	14/08/2011	ChrisErdman	600769	6988139	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100626	14/08/2011	ChrisErdman	600817	6988109	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100627	14/08/2011	ChrisErdman	600847	6988065	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100628	14/08/2011	ChrisErdman	600891	6988103	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100629	14/08/2011	ChrisErdman	600898	6988160	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100630	14/08/2011	ChrisErdman	600922	6988203	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	
100631	14/08/2011	ChrisErdman	600918	6988255	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100632	14/08/2011	ChrisErdman	600940	6988337	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Good	
100633	14/08/2011	ChrisErdman	600932	6988437	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	
100634	14/08/2011	ChrisErdman	600966	6988567	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100635	14/08/2011	ChrisErdman	601011	6988612	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100636	14/08/2011	ChrisErdman	601003	6988705	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	
100637	14/08/2011	ChrisErdman	601040	6988769	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Poor	
100638	14/08/2011	ChrisErdman	601100	6988908	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	50	Dry	Poor	
100639	14/08/2011	ChrisErdman	601112	6988962	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Poor	
100641	14/08/2011	ChrisErdman	601128	6989012	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40	Moist	Poor	
100642	14/08/2011	ChrisErdman	601148	6989046	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	60	Moist	Poor	
100643	14/08/2011	ChrisErdman	601158	6989102	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	50	Frozen	Poor	
100644	14/08/2011	ChrisErdman	601175	6989150	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Poor	
100645	14/08/2011	ChrisErdman	601183	6989202	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	60	Moist	Good	
100646	14/08/2011	ChrisErdman	601223	6989255	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Poor	
100647	14/08/2011	ChrisErdman	601228	6989300	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	70	Moist	Poor	
100648	14/08/2011	ChrisErdman	601234	6989356	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	50	Moist	Good	
101906	12/08/2011	ShawnTaylor	601395	6985622	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	60	Moist	Excellent	ForestMixed
101907	12/08/2011	ShawnTaylor	601344	6985602	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101908	12/08/2011	ShawnTaylor	601291	6985594	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101909	12/08/2011	ShawnTaylor	601238	6985605	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101910	12/08/2011	ShawnTaylor	601140	6985601	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101911	12/08/2011	ShawnTaylor	601089	6985600	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101912	12/08/2011	ShawnTaylor	601052	6985605	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	40	Moist	Good	ForestMixed
101913	12/08/2011	ShawnTaylor	600992	6985600	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Poor	ForestMixed
101914	12/08/2011	ShawnTaylor	600935	6985586	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101915	12/08/2011	ShawnTaylor	600850	6985547	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Moist	Good	ForestMixed
101916	12/08/2011	ShawnTaylor	600791	6985535	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101917	12/08/2011	ShawnTaylor	600753	6985519	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	ForestMixed
101918	12/08/2011	ShawnTaylor	600709	6985509	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101919	12/08/2011	ShawnTaylor	600660	6985491	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Moist	Excellent	ForestMixed
101920	12/08/2011	ShawnTaylor	600597	6985455	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Poor	ForestMixed
101921	12/08/2011	ShawnTaylor	600575	6985422	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Poor	ForestMixed
101922	12/08/2011	ShawnTaylor	600537	6985394	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	40	Moist	Good	ForestMixed
101923	12/08/2011	ShawnTaylor	600498	6985361	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Moist	Good	ForestMixed
101924	12/08/2011	ShawnTaylor	600468	6985330	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Moist	Excellent	ForestMixed
101925	12/08/2011	ShawnTaylor	600428	6985273	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Moist	Excellent	ForestMixed
101926	12/08/2011	ShawnTaylor	600407	6985242	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	40	Moist	Excellent	ForestMixed
101927	12/08/2011	ShawnTaylor	600382	6985212	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101928	12/08/2011	ShawnTaylor	600342	6985177	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101929	12/08/2011	ShawnTaylor	600298	6985146	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101930	12/08/2011	ShawnTaylor	600213	6985100	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101931	12/08/2011	ShawnTaylor	600152	6985061	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101932	12/08/2011	ShawnTaylor	600110	6985040	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101933	12/08/2011	ShawnTaylor	600087	6984989	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101934	12/08/2011	ShawnTaylor	600044	6984952	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101935	12/08/2011	ShawnTaylor	600022	6984913	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101936	12/08/2011	ShawnTaylor	600001	6984879	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101937	12/08/2011	ShawnTaylor	599996	6984830	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Moist	Excellent	ForestMixed
101938	12/08/2011	ShawnTaylor	599964	6984771	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101939	13/08/2011	ShawnTaylor	598428	6987563	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101941	13/08/2011	ShawnTaylor	598467	6987545	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	AlpineBare
101942	13/08/2011	ShawnTaylor	598520	6987527	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101943	13/08/2011	ShawnTaylor	598559	6987516	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Good	ForestMixed
101944	13/08/2011	ShawnTaylor	598613	6987483	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Poor	ForestMixed
101945	13/08/2011	ShawnTaylor	598660	6987458	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	ForestMixed
101946	13/08/2011	ShawnTaylor	598703	6987434	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101947	13/08/2011	ShawnTaylor	598756	6987426	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101948	13/08/2011	ShawnTaylor	598808	6987412	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101949	13/08/2011	ShawnTaylor	598814	6987405	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	40	Moist	Excellent	ForestMixed
101950	13/08/2011	ShawnTaylor	598849	6987393	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	30	Moist	Excellent	ForestMixed
101951	13/08/2011	ShawnTaylor	598896	6987361	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Poor	ForestMixed
101952	13/08/2011	ShawnTaylor	598971	6987319	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	40	Moist	Good	ForestMixed
101953	13/08/2011	ShawnTaylor	599018	6987297	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50	Moist	Good	ForestMixed
101954	13/08/2011	ShawnTaylor	599067	6987264	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	50	Moist	Excellent	ForestMixed
101955	13/08/2011	ShawnTaylor	599110	6987235	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Moist	Excellent	ForestMixed
101956	13/08/2011	ShawnTaylor	599151	6987221	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Excellent	ForestMixed
101957	13/08/2011	ShawnTaylor	599196	6987184	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	ForestMixed
101958	13/08/2011	ShawnTaylor	599298	6987162	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101959	13/08/2011	ShawnTaylor	599330	6987158	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	ForestMixed
101960	13/08/2011	ShawnTaylor	599373	6987136	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101961	13/08/2011	ShawnTaylor	599430	6987110	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Moist	Excellent	ForestMixed

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101962	13/08/2011	ShawnTaylor	599473	6987088	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Moist	Excellent	ForestMixed
101963	13/08/2011	ShawnTaylor	599518	6987063	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101964	13/08/2011	ShawnTaylor	599560	6987012	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Moist	Excellent	ForestMixed
101965	13/08/2011	ShawnTaylor	599610	6987013	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
101966	13/08/2011	ShawnTaylor	599708	6986979	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101967	13/08/2011	ShawnTaylor	599745	6986947	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101968	13/08/2011	ShawnTaylor	599853	6986911	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestMixed
101969	13/08/2011	ShawnTaylor	599902	6986894	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101970	13/08/2011	ShawnTaylor	599935	6986871	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
101971	13/08/2011	ShawnTaylor	599975	6986872	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
101972	13/08/2011	ShawnTaylor	600029	6986847	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
101973	14/08/2011	ShawnTaylor	601749	6987534	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	AlpineBare
101974	14/08/2011	ShawnTaylor	601734	6987575	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Poor	AlpineBare
101975	14/08/2011	ShawnTaylor	601736	6987620	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	AlpineBare
101976	14/08/2011	ShawnTaylor	601657	6987706	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	AlpineBare
101977	14/08/2011	ShawnTaylor	601527	6987780	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Poor	AlpineBare
101978	14/08/2011	ShawnTaylor	601478	6987813	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	AlpineBare
101979	14/08/2011	ShawnTaylor	601435	6987837	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Good	AlpineBare
101980	14/08/2011	ShawnTaylor	601391	6987857	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
101981	14/08/2011	ShawnTaylor	601353	6987880	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
101982	14/08/2011	ShawnTaylor	601815	6987814	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	AlpineBare
101983	14/08/2011	ShawnTaylor	601839	6987844	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	AlpineBare
101984	14/08/2011	ShawnTaylor	601859	6987874	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	70	Moist	Good	ForestMixed
101985	14/08/2011	ShawnTaylor	601915	6987945	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	20	Moist	Poor	AlpineBare
101986	14/08/2011	ShawnTaylor	601945	6987993	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	30	Moist	Poor	AlpineBare
101987	14/08/2011	ShawnTaylor	601976	6988030	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Poor	AlpineBare
101988	14/08/2011	ShawnTaylor	602017	6988060	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	AlpineBare
101989	14/08/2011	ShawnTaylor	602086	6988139	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	ForestMixed
101990	14/08/2011	ShawnTaylor	602141	6988196	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Poor	ForestMixed
101991	14/08/2011	ShawnTaylor	602195	6988247	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Moist	Good	ForestMixed
101992	14/08/2011	ShawnTaylor	602272	6988272	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	30	Moist	Poor	ForestMixed
102961	12/08/2011	JBHebbsgaard	602473	6986083	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Dry	Good	SubAlpineBrush
102962	12/08/2011	JBHebbsgaard	602401	6986158	UTMZ7N_WGS84	Soil	Brown	Silt	RidgeAlpine	B	40	Dry	Good	SubAlpineBrush
102963	12/08/2011	JBHebbsgaard	602319	6986225	UTMZ7N_WGS84	Soil	Brown	Clay	Ridge	B	30	Dry	Good	SubAlpineBrush
102964	12/08/2011	JBHebbsgaard	602246	6986274	UTMZ7N_WGS84	Soil	Brown	Clay	RidgeAlpine	B	30	Dry	Good	SubAlpineBrush
102965	12/08/2011	JBHebbsgaard	602165	6986341	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	50	Dry	Good	SubAlpineBrush
102966	12/08/2011	JBHebbsgaard	602091	6986402	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	C	50	Dry	Good	SubAlpineBrush
102967	12/08/2011	JBHebbsgaard	602012	6986472	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	50	Dry	Good	SubAlpineBrush
102968	12/08/2011	JBHebbsgaard	601929	6986525	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	50	Dry	Good	SubAlpineBrush
102969	12/08/2011	JBHebbsgaard	601846	6986535	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	30	Dry	Good	SubAlpineBrush
102970	12/08/2011	JBHebbsgaard	601784	6986471	UTMZ7N_WGS84	Lithosoil	Brown	Clay	RidgeAlpine	B	20	Dry	Good	AlpineBare
102971	12/08/2011	JBHebbsgaard	601647	6986474	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	30	Dry	Good	SubAlpineBrush
102972	12/08/2011	JBHebbsgaard	601551	6986462	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	30	Dry	Good	SubAlpineBrush
102973	12/08/2011	JBHebbsgaard	601450	6986477	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	40	Dry	Good	SubAlpineBrush
102974	12/08/2011	JBHebbsgaard	601340	6986480	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	40	Dry	Good	SubAlpineBrush
102975	12/08/2011	JBHebbsgaard	601250	6986463	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	30	Dry	Poor	SubAlpineBrush
102976	12/08/2011	JBHebbsgaard	601151	6986484	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	30	Moist	Poor	SubAlpineBrush
102977	12/08/2011	JBHebbsgaard	601046	6986478	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	30	Dry	Poor	SubAlpineBrush
102978	12/08/2011	JBHebbsgaard	600950	6986494	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	30	Dry	Poor	SubAlpineBrush

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
102979	12/08/2011	JBHebbsgaard	600904	6986515	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	30	Dry	Poor	SubAlpineBrush
102980	12/08/2011	JBHebbsgaard	600856	6986530	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Dry	Poor	SubAlpineBrush
102981	12/08/2011	JBHebbsgaard	600774	6986589	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	30	Moist	Poor	SubAlpineBrush
102982	12/08/2011	JBHebbsgaard	600718	6986593	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	30	Dry	Poor	SubAlpineBrush
102983	12/08/2011	JBHebbsgaard	600595	6986659	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	30	Moist	Poor	ForestMixed
102984	12/08/2011	JBHebbsgaard	600537	6986677	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	40	Dry	Poor	ForestMixed
102985	12/08/2011	JBHebbsgaard	600507	6986728	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	30	Dry	Poor	ForestMixed
102986	12/08/2011	JBHebbsgaard	600447	6986731	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepNW	B	20	Dry	Poor	ForestMixed
102987	13/08/2011	JBHebbsgaard	605037	6989701	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	50	Dry	Excellent	ForestBlackSpruce
102988	13/08/2011	JBHebbsgaard	605029	6989743	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	50	Dry	Excellent	ForestBlackSpruce
102989	13/08/2011	JBHebbsgaard	604999	6989784	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	50	Dry	Excellent	ForestBlackSpruce
102990	13/08/2011	JBHebbsgaard	604983	6989840	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	60	Dry	Excellent	ForestBlackSpruce
102991	13/08/2011	JBHebbsgaard	604961	6989880	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
102992	13/08/2011	JBHebbsgaard	604947	6989918	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
102993	13/08/2011	JBHebbsgaard	604925	6989969	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	40	Dry	Excellent	ForestAspen
102994	13/08/2011	JBHebbsgaard	604903	6990014	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
102995	13/08/2011	JBHebbsgaard	604877	6990068	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	30	Dry	Good	ForestMixed
102996	13/08/2011	JBHebbsgaard	604862	6990105	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Dry	Good	ForestBlackSpruce
102997	13/08/2011	JBHebbsgaard	604841	6990145	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
102998	13/08/2011	JBHebbsgaard	604803	6990191	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	40	Dry	Good	ForestBlackSpruce
102999	13/08/2011	JBHebbsgaard	604778	6990238	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	40	Dry	Excellent	ForestBlackSpruce
103000	13/08/2011	JBHebbsgaard	604764	6990278	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	80	Dry	Excellent	ForestBlackSpruce
106668	12/08/2011	BenDubois	602108	6987018	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	30	Moist	Poor	AlpineBare
106669	12/08/2011	BenDubois	602153	6987018	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	40	Moist	Good	AlpineBare
106670	12/08/2011	BenDubois	602198	6987007	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	50	Moist	Poor	AlpineBare
106671	12/08/2011	BenDubois	602244	6986994	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	30	Moist	Poor	AlpineBare
106672	12/08/2011	BenDubois	602297	6986997	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	50	Moist	Poor	AlpineBare
106673	12/08/2011	BenDubois	602352	6986989	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	80	Moist	Excellent	AlpineBare
106674	12/08/2011	BenDubois	602402	6986990	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	B	70	Moist	Good	AlpineBare
106675	12/08/2011	BenDubois	602455	6986975	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	B	40	Moist	Good	SubAlpineBrush
106676	12/08/2011	BenDubois	602496	6986983	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	B	80	Moist	Good	SubAlpineBrush
106677	12/08/2011	BenDubois	602550	6986979	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	70	Moist	Good	SubAlpineBrush
106678	12/08/2011	BenDubois	602594	6986965	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	30	Moist	Good	SubAlpineBrush
106679	12/08/2011	BenDubois	602663	6986976	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	80	Dry	Excellent	SubAlpineBrush
106680	12/08/2011	BenDubois	602690	6986961	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	60	Moist	Excellent	SubAlpineBrush
106681	12/08/2011	BenDubois	602757	6986960	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	40	Moist	Excellent	SubAlpineBrush
106682	12/08/2011	BenDubois	602801	6986946	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	30	Moist	Good	SubAlpineBrush
106683	12/08/2011	BenDubois	602846	6986958	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	60	Moist	Excellent	SubAlpineBrush
106684	12/08/2011	BenDubois	602900	6986942	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	40	Moist	Good	SubAlpineBrush
106685	12/08/2011	BenDubois	602944	6986932	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	50	Moist	Poor	SubAlpineBrush
106686	12/08/2011	BenDubois	602992	6986919	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	80	Moist	Good	SubAlpineBrush
106687	12/08/2011	BenDubois	603051	6986926	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	70	Moist	Good	SubAlpineBrush
106688	12/08/2011	BenDubois	603088	6986899	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateSE	B	50	Moist	Good	SubAlpineBrush
106689	12/08/2011	BenDubois	603146	6986877	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	30	Moist	Poor	ForestMixed
106691	12/08/2011	BenDubois	603190	6986844	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	40	Dry	Poor	ForestMixed
106692	12/08/2011	BenDubois	603222	6986818	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	40	Dry	Good	ForestMixed
106693	12/08/2011	BenDubois	603262	6986782	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	90	Moist	Good	ForestMixed
106694	12/08/2011	BenDubois	603295	6986764	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	40	Moist	Poor	ForestMixed
106695	12/08/2011	BenDubois	603345	6986742	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	60	Moist	Poor	ForestMixed

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
106696	12/08/2011	BenDubois	603383	6986686	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	40	Moist	Poor	ForestMixed
106697	12/08/2011	BenDubois	603417	6986645	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	B	50	Dry	Good	ForestMixed
106698	13/08/2011	BenDubois	602405	6988440	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
106699	13/08/2011	BenDubois	602448	6988475	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	80	Moist	Good	ForestMixed
106700	13/08/2011	BenDubois	602482	6988513	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestMixed
106701	13/08/2011	BenDubois	602536	6988558	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	30	Moist	Poor	ForestMixed
106702	13/08/2011	BenDubois	602578	6988576	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
106703	13/08/2011	BenDubois	602623	6988593	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
106704	13/08/2011	BenDubois	602670	6988615	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	30	Moist	Good	ForestBlackSpruce
106705	13/08/2011	BenDubois	602703	6988650	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
106706	13/08/2011	BenDubois	602739	6988672	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	30	Moist	Poor	ForestBlackSpruce
106707	13/08/2011	BenDubois	602786	6988709	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	30	Moist	Poor	ForestBlackSpruce
106708	13/08/2011	BenDubois	602827	6988727	UTMZ7N_WGS84			Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
106709	13/08/2011	BenDubois	602867	6988750	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Excellent	ForestBlackSpruce
106710	13/08/2011	BenDubois	602900	6988788	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
106711	13/08/2011	BenDubois	602947	6988821	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
106712	13/08/2011	BenDubois	602987	6988834	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	60	Dry	Excellent	ForestBlackSpruce
106713	13/08/2011	BenDubois	603034	6988869	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateNE	B	60	Dry	Good	ForestBlackSpruce
106714	13/08/2011	BenDubois	603055	6988918	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	30	Moist	Good	ForestBlackSpruce
106715	13/08/2011	BenDubois	603074	6988956	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
106716	13/08/2011	BenDubois	603093	6988999	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
106717	13/08/2011	BenDubois	603115	6989048	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
106718	13/08/2011	BenDubois	603132	6989103	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	70	Moist	Good	ForestBlackSpruce
106719	13/08/2011	BenDubois	603155	6989146	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateN	B	60	Wet	Good	ForestBlackSpruce
106720	13/08/2011	BenDubois	603166	6989178	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Excellent	ForestBlackSpruce
106721	13/08/2011	BenDubois	603206	6989233	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	80	Dry	Excellent	ForestBlackSpruce
106722	13/08/2011	BenDubois	603227	6989271	UTMZ7N_WGS84	Colluvium	Red	Sand	ModerateN	C	70	Dry	Good	ForestBlackSpruce
106723	13/08/2011	BenDubois	603271	6989303	UTMZ7N_WGS84	Colluvium	Red	Silt	ModerateN	C	70	Dry	Excellent	ForestBlackSpruce
106724	13/08/2011	BenDubois	603289	6989337	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	40	Moist	Poor	ForestBlackSpruce
106725	13/08/2011	BenDubois	603331	6989380	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	60	Dry	Good	ForestBlackSpruce
106726	13/08/2011	BenDubois	603544	6989640	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateN	B	50	Moist	Poor	ForestBlackSpruce
106727	13/08/2011	BenDubois	603520	6989606	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	B	50	Frozen	Poor	ForestMixed
106728	13/08/2011	BenDubois	603476	6989566	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	B	50	Moist	Poor	ForestBlackSpruce
106729	13/08/2011	BenDubois	603459	6989517	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	50	Moist	Good	ForestBlackSpruce
106730	13/08/2011	BenDubois	603423	6989487	UTMZ7N_WGS84	Soil	RustyRed	Silt	ModerateNE	B	60	Dry	Good	ForestBlackSpruce
106731	13/08/2011	BenDubois	603396	6989458	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
106732	13/08/2011	BenDubois	603352	6989426	UTMZ7N_WGS84		Brown	Silt	ModerateNE	B	50	Dry	Excellent	ForestBlackSpruce
113902	12/08/2011	HugoGirard	602089	6987042	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	B	30	Dry	Poor	AlpineBare
113903	12/08/2011	HugoGirard	602159	6987084	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	30	Moist	Good	AlpineBare
113904	12/08/2011	HugoGirard	602233	6987123	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
113905	12/08/2011	HugoGirard	602295	6987152	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	B	20	Moist	Poor	AlpineBare
113906	12/08/2011	HugoGirard	602346	6987182	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	B	40	Moist	Poor	AlpineBare
113907	12/08/2011	HugoGirard	602392	6987208	UTMZ7N_WGS84	Lithosoil	Grey	Clay	RidgeAlpine	B	50	Wet	Poor	AlpineBare
113908	12/08/2011	HugoGirard	602438	6987231	UTMZ7N_WGS84	Lithosoil	Grey	Clay	RidgeAlpine	B	60	Wet	Poor	AlpineBare
113909	12/08/2011	HugoGirard	602480	6987252	UTMZ7N_WGS84	Lithosoil	Grey	Clay	RidgeAlpine	B	70	Wet	Poor	AlpineBare
113910	12/08/2011	HugoGirard	602527	6987278	UTMZ7N_WGS84	Lithosoil	Grey	Clay	RidgeAlpine	B	70	Wet	Poor	AlpineBare
113911	12/08/2011	HugoGirard	602612	6987324	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Wet	Poor	AlpineBare
113912	12/08/2011	HugoGirard	602663	6987347	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	40	Wet	Poor	AlpineBare
113913	12/08/2011	HugoGirard	602742	6987393	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Dry	Excellent	AlpineBare

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
113914	12/08/2011	HugoGirard	602791	6987414	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	60	Dry	Good	AlpineBare
113915	12/08/2011	HugoGirard	602844	6987434	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Moist	Good	AlpineBare
113916	12/08/2011	HugoGirard	602920	6987465	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Wet	Poor	AlpineBare
113917	12/08/2011	HugoGirard	602987	6987466	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	30	Dry	Good	AlpineBare
113918	12/08/2011	HugoGirard	603032	6987482	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	C	20	Moist	Poor	AlpineBare
113919	12/08/2011	HugoGirard	603079	6987493	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	C	40	Dry	Good	AlpineBare
113920	12/08/2011	HugoGirard	603137	6987497	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
113921	12/08/2011	HugoGirard	603186	6987487	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Moist	Poor	AlpineBare
113922	12/08/2011	HugoGirard	603237	6987513	UTMZ7N_WGS84	Lithosoil	Grey	Clay	RidgeAlpine	B	30	Moist	Poor	AlpineBare
113923	12/08/2011	HugoGirard	603293	6987515	UTMZ7N_WGS84	Colluvium	Grey	Silt	RidgeAlpine	B	40	Moist	Poor	AlpineBare
113924	12/08/2011	HugoGirard	603334	6987541	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Moist	Good	AlpineBare
113925	12/08/2011	HugoGirard	603378	6987543	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Moist	Good	AlpineBare
113926	12/08/2011	HugoGirard	603424	6987569	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Moist	Poor	AlpineBare
113927	13/08/2011	HugoGirard	605090	6989352	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Dry	Excellent	ForestMixed
113928	13/08/2011	HugoGirard	605120	6989397	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	30	Moist	Good	ForestMixed
113929	13/08/2011	HugoGirard	605139	6989421	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	20	Moist	Poor	ForestMixed
113930	13/08/2011	HugoGirard	605191	6989446	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	20	Moist	Poor	ForestMixed
113931	13/08/2011	HugoGirard	605226	6989466	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Moist	Poor	ForestMixed
113932	13/08/2011	HugoGirard	605277	6989495	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	40	Moist	Good	ForestMixed
113933	13/08/2011	HugoGirard	605311	6989510	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist	Good	BurnOld
113934	13/08/2011	HugoGirard	605358	6989542	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	70	Dry	Good	BurnOld
113935	13/08/2011	HugoGirard	605098	6989450	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	30	Moist	Good	ForestMixed
113936	13/08/2011	HugoGirard	605084	6989496	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	30	Moist	Good	ForestMixed
113937	13/08/2011	HugoGirard	605079	6989557	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNW	C	70	Dry	Excellent	ForestMixed
113938	13/08/2011	HugoGirard	605064	6989597	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
113939	13/08/2011	HugoGirard	605044	6989653	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	30	Moist	Good	ForestMixed
113941	13/08/2011	HugoGirard	604860	6989997	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
113942	13/08/2011	HugoGirard	604816	6990034	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	20	Moist	Poor	ForestMixed
113943	13/08/2011	HugoGirard	604763	6990044	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	20	Moist	Good	ForestMixed
113944	13/08/2011	HugoGirard	604712	6990048	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateW	B	20	Moist	Poor	ForestMixed
113945	13/08/2011	HugoGirard	604654	6990075	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateW	B	50	Moist	Poor	ForestMixed
113946	13/08/2011	HugoGirard	604617	6990102	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateW	B	30	Moist	Poor	ForestMixed
113947	13/08/2011	HugoGirard	604584	6990119	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	20	Moist	Poor	ForestMixed
113948	13/08/2011	HugoGirard	604519	6990123	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateSW	B	20	Moist	Poor	ForestBlackSpruce
113949	13/08/2011	HugoGirard	604484	6990133	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	60	Dry	Good	ForestBlackSpruce
113950	13/08/2011	HugoGirard	604429	6990161	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	60	Dry	Good	ForestMixed
113951	13/08/2011	HugoGirard	604390	6990182	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	40	Dry	Good	ForestMixed
113952	13/08/2011	HugoGirard	604351	6990204	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Dry	Good	ForestMixed
113953	13/08/2011	HugoGirard	604304	6990229	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	20	Moist	Poor	ForestMixed
113954	13/08/2011	HugoGirard	604282	6990276	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	70	Dry	Excellent	ForestMixed
113955	13/08/2011	HugoGirard	604234	6990304	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	50	Dry	Good	ForestMixed
113956	13/08/2011	HugoGirard	604207	6990331	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	30	Moist	Poor	ForestMixed
113957	13/08/2011	HugoGirard	604170	6990357	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateSW	B	30	Moist	Poor	ForestBlackSpruce
113958	13/08/2011	HugoGirard	604129	6990403	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	30	Moist	Poor	ForestMixed
113959	13/08/2011	HugoGirard	604093	6990430	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateSW	B	70	Moist	Good	ForestMixed
113960	13/08/2011	HugoGirard	604050	6990461	UTMZ7N_WGS84	Colluvium	Black	Clay	ModerateSW	B	50	Moist	Good	ForestMixed
115646	13/08/2011	JBHebbsgaard	604735	6990330	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	50	Dry	Excellent	ForestBlackSpruce
115647	13/08/2011	JBHebbsgaard	604716	6990376	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Dry	Excellent	ForestBlackSpruce
115648	13/08/2011	JBHebbsgaard	604702	6990427	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Dry	Excellent	ForestBlackSpruce

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
115649	13/08/2011	JBHebsgaard	604665	6990469	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	40	Moist	Good	ForestBlackSpruce
115650	13/08/2011	JBHebsgaard	604644	6990511	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	50	Dry	Good	ForestMixed
115651	13/08/2011	JBHebsgaard	604621	6990552	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
115652	13/08/2011	JBHebsgaard	604608	6990606	UTMZ7N_WGS84	Colluvium	Red	Sand	ModerateNW	C	50	Dry	Excellent	ForestBlackSpruce
115653	13/08/2011	JBHebsgaard	604577	6990641	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	50	Dry	Excellent	ForestBlackSpruce
115654	13/08/2011	JBHebsgaard	604558	6990692	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Dry	Good	ForestBlackSpruce
115655	13/08/2011	JBHebsgaard	604528	6990730	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
115656	13/08/2011	JBHebsgaard	604507	6990779	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Excellent	ForestMixed
115657	13/08/2011	JBHebsgaard	604493	6990814	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Excellent	ForestBlackSpruce
115658	13/08/2011	JBHebsgaard	604465	6990861	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
115659	13/08/2011	JBHebsgaard	604441	6990898	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNE	C	40	Dry	Excellent	ForestBlackSpruce
115660	13/08/2011	JBHebsgaard	604423	6990933	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
115661	13/08/2011	JBHebsgaard	604391	6990993	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	30	Dry	Excellent	ForestBlackSpruce
115662	13/08/2011	JBHebsgaard	604372	6991041	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	ModerateNW	C	50	Dry	Excellent	ForestBlackSpruce
115663	13/08/2011	JBHebsgaard	604334	6991069	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateNW	C	60	Dry	Excellent	ForestBlackSpruce
115664	13/08/2011	JBHebsgaard	604295	6991113	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Excellent	ForestBlackSpruce
115665	13/08/2011	JBHebsgaard	604281	6991164	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Dry	Good	ForestBlackSpruce
115666	13/08/2011	JBHebsgaard	604254	6991198	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateNW	C	40	Dry	Excellent	ForestBlackSpruce
115667	13/08/2011	JBHebsgaard	604223	6991242	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Dry	Good	ForestBlackSpruce
115668	13/08/2011	JBHebsgaard	604174	6991321	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Dry	Good	ForestBlackSpruce
115669	14/08/2011	JBHebsgaard	601949	6987141	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	30	Dry	Poor	AlpineBare
115670	14/08/2011	JBHebsgaard	601998	6987119	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	30	Dry	Poor	AlpineBare
115671	14/08/2011	JBHebsgaard	602012	6987081	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Dry	Good	AlpineBare
115672	14/08/2011	JBHebsgaard	602082	6987076	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	20	Moist	Poor	AlpineBare
115673	14/08/2011	JBHebsgaard	602148	6987125	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	20	Dry	Poor	AlpineBare
115674	14/08/2011	JBHebsgaard	602172	6987165	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	A	20	Moist	Poor	AlpineBare
115675	14/08/2011	JBHebsgaard	602200	6987205	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	30	Moist	Poor	AlpineBare
115676	14/08/2011	JBHebsgaard	602276	6987310	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepN	B	30	Moist	Poor	SubAlpineBrush
115677	14/08/2011	JBHebsgaard	602370	6987405	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	40	Wet	Poor	SubAlpineBrush
115678	14/08/2011	JBHebsgaard	602402	6987427	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	60	Wet	Good	SubAlpineBrush
115679	14/08/2011	JBHebsgaard	602439	6987471	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	50	Wet	Poor	SubAlpineBrush
115680	14/08/2011	JBHebsgaard	602457	6987512	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	40	Wet	Poor	SubAlpineBrush
115681	14/08/2011	JBHebsgaard	602519	6987590	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	50	Wet	Poor	SubAlpineBrush
115682	14/08/2011	JBHebsgaard	602540	6987633	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	60	Wet	Poor	SubAlpineBrush
115683	14/08/2011	JBHebsgaard	602560	6987687	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	40	Wet	Poor	SubAlpineBrush
115684	14/08/2011	JBHebsgaard	602586	6987745	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	50	Wet	Poor	SubAlpineBrush
115685	14/08/2011	JBHebsgaard	602617	6987777	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateN	B	40	Moist	Poor	SubAlpineBrush
115686	14/08/2011	JBHebsgaard	602665	6987863	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Wet	Poor	SubAlpineBrush
115687	14/08/2011	JBHebsgaard	602682	6987893	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	40	Moist	Poor	SubAlpineBrush
115688	14/08/2011	JBHebsgaard	602724	6987937	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	40	Moist	Good	SubAlpineBrush
115689	14/08/2011	JBHebsgaard	602771	6988029	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	40	Wet	Poor	SubAlpineBrush
123358	12/08/2011	RandyCampbell	604219	6987209	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	B	60	Dry	Good	ForestMixed
123359	12/08/2011	RandyCampbell	604202	6987254	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	B	40	Moist	Good	ForestMixed
123360	12/08/2011	RandyCampbell	604194	6987306	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	B	60	Moist	Good	ForestMixed
123361	12/08/2011	RandyCampbell	604180	6987354	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	B	60	Moist	Good	ForestMixed
123362	12/08/2011	RandyCampbell	604176	6987406	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	60	Moist	Good	ForestMixed
123363	12/08/2011	RandyCampbell	604155	6987450	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	60	Moist	Good	ForestMixed
123364	12/08/2011	RandyCampbell	604144	6987507	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	60	Moist	Good	ForestMixed
123365	12/08/2011	RandyCampbell	604126	6987546	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Poor	ForestMixed

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
123366	12/08/2011	RandyCampbell	604099	6987644	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Poor	ForestMixed
123367	12/08/2011	RandyCampbell	604093	6987696	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Poor	ForestMixed
123368	12/08/2011	RandyCampbell	604074	6987750	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Moist	Poor	ForestMixed
123369	12/08/2011	RandyCampbell	604042	6987837	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Frozen	Poor	ForestBlackSpruce
123370	12/08/2011	RandyCampbell	604029	6987887	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Frozen	Poor	ForestBlackSpruce
123371	12/08/2011	RandyCampbell	604009	6987935	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	60	Frozen	Poor	ForestBlackSpruce
123372	12/08/2011	RandyCampbell	603996	6987980	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	50	Frozen	Poor	ForestBlackSpruce
123373	12/08/2011	RandyCampbell	603982	6988026	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Frozen	Poor	ForestBlackSpruce
123374	12/08/2011	RandyCampbell	603955	6988123	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	50	Frozen	Poor	ForestBlackSpruce
123375	12/08/2011	RandyCampbell	603948	6988175	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Moist	Good	ForestMixed
123376	12/08/2011	RandyCampbell	603922	6988229	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Moist	Good	ForestMixed
123377	12/08/2011	RandyCampbell	603904	6988265	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Dry	Good	ForestMixed
123378	12/08/2011	RandyCampbell	603885	6988317	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Good	ForestMixed
123379	12/08/2011	RandyCampbell	603879	6988359	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Moist	Good	ForestMixed
123380	12/08/2011	RandyCampbell	603862	6988413	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Moist	Good	ForestMixed
123381	12/08/2011	RandyCampbell	603844	6988453	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Moist	Good	ForestMixed
123382	12/08/2011	RandyCampbell	603818	6988547	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Poor	ForestBlackSpruce
123383	13/08/2011	RandyCampbell	601795	6989038	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
123384	13/08/2011	RandyCampbell	601835	6989070	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Poor	ForestMixed
123385	13/08/2011	RandyCampbell	601863	6989115	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Moist	Poor	ForestMixed
123386	13/08/2011	RandyCampbell	601886	6989153	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
123387	13/08/2011	RandyCampbell	601918	6989193	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	60	Moist	Poor	ForestBlackSpruce
123388	13/08/2011	RandyCampbell	601947	6989230	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Moist	Good	ForestBlackSpruce
123389	13/08/2011	RandyCampbell	601973	6989273	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Moist	Good	ForestMixed
123391	13/08/2011	RandyCampbell	602000	6989321	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Dry	Good	ForestMixed
123392	13/08/2011	RandyCampbell	602044	6989350	UTMZ7N_WGS84	Colluvium	Pink	Silt	Ridge	C	60	Dry	Good	ForestMixed
123393	13/08/2011	RandyCampbell	602064	6989391	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Poor	ForestMixed
123394	13/08/2011	RandyCampbell	602097	6989431	UTMZ7N_WGS84	Colluvium	Pink	Silt	Ridge	C	80	Dry	Excellent	ForestMixed
123395	13/08/2011	RandyCampbell	602127	6989467	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	40	Dry	Poor	ForestBlackSpruce
123396	13/08/2011	RandyCampbell	602172	6989505	UTMZ7N_WGS84	Colluvium	Pink	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
123397	13/08/2011	RandyCampbell	602202	6989534	UTMZ7N_WGS84	Colluvium	Pink	Silt	Depression	C	60	Wet	Poor	ForestBlackSpruce
123398	13/08/2011	RandyCampbell	602238	6989579	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	40	Dry	Good	ForestMixed
123399	13/08/2011	RandyCampbell	602267	6989611	UTMZ7N_WGS84	Colluvium	Green	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
123400	13/08/2011	RandyCampbell	602299	6989645	UTMZ7N_WGS84	Colluvium	White	Silt	Ridge	C	50	Dry	Excellent	ForestBlackSpruce
123401	13/08/2011	RandyCampbell	602330	6989679	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestBlackSpruce
123402	13/08/2011	RandyCampbell	602376	6989717	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestBlackSpruce
123403	13/08/2011	RandyCampbell	602943	6990131	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
123404	13/08/2011	RandyCampbell	602978	6990124	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	B	40	Dry	Poor	ForestMixed
123405	13/08/2011	RandyCampbell	603038	6990109	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Dry	Good	ForestMixed
123406	13/08/2011	RandyCampbell	603089	6990098	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Dry	Good	ForestMixed
123407	13/08/2011	RandyCampbell	603138	6990079	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
123408	13/08/2011	RandyCampbell	603168	6990069	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
123409	13/08/2011	RandyCampbell	603218	6990061	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Dry	Good	ForestMixed
123410	13/08/2011	RandyCampbell	603276	6990046	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Good	ForestMixed
123411	13/08/2011	RandyCampbell	603324	6990026	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	80	Moist	Good	ForestMixed
123412	13/08/2011	RandyCampbell	603376	6990026	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
123413	13/08/2011	RandyCampbell	603412	6990007	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Dry	Good	ForestMixed
123414	13/08/2011	RandyCampbell	603474	6989988	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Good	ForestMixed
123415	13/08/2011	RandyCampbell	603515	6989980	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Dry	Poor	ForestBlackSpruce

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
123416	13/08/2011	RandyCampbell	603552	6989969	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Poor	ForestBlackSpruce
123417	13/08/2011	RandyCampbell	603612	6989959	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Good	ForestBlackSpruce
123418	13/08/2011	RandyCampbell	603655	6989936	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	60	Moist	Poor	ForestBlackSpruce
123419	13/08/2011	RandyCampbell	603702	6989924	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	80	Wet	Poor	ForestBlackSpruce
123420	14/08/2011	RandyCampbell	598011	6987481	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	60	Dry	Poor	ForestMixed
123421	14/08/2011	RandyCampbell	598059	6987484	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	70	Dry	Good	ForestMixed
123422	14/08/2011	RandyCampbell	598103	6987494	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Moist	Good	ForestMixed
123423	14/08/2011	RandyCampbell	598155	6987512	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
123424	14/08/2011	RandyCampbell	598199	6987529	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	60	Moist	Good	ForestMixed
123425	14/08/2011	RandyCampbell	598249	6987546	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	60	Moist	Good	ForestMixed
123426	14/08/2011	RandyCampbell	598295	6987560	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	SubAlpineBrush
123427	14/08/2011	RandyCampbell	598350	6987581	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	SubAlpineBrush
123428	14/08/2011	RandyCampbell	598392	6987590	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	SubAlpineBrush
123429	14/08/2011	RandyCampbell	598434	6987596	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
123430	14/08/2011	RandyCampbell	598484	6987604	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
123431	14/08/2011	RandyCampbell	598533	6987609	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	60	Moist	Good	SubAlpineBrush
123432	14/08/2011	RandyCampbell	598583	6987608	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Dry	Poor	SubAlpineBrush
123433	14/08/2011	RandyCampbell	598637	6987621	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Dry	Good	SubAlpineBrush
123434	14/08/2011	RandyCampbell	598679	6987623	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Moist	Good	SubAlpineBrush
123435	14/08/2011	RandyCampbell	598782	6987625	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	20	Dry	Poor	SubAlpineBrush
123436	14/08/2011	RandyCampbell	598837	6987637	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Good	SubAlpineBrush
123437	14/08/2011	RandyCampbell	598885	6987643	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
123438	14/08/2011	RandyCampbell	598929	6987647	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Wet	Poor	ForestBlackSpruce
123439	14/08/2011	RandyCampbell	598982	6987645	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Wet	Poor	ForestBlackSpruce
123441	14/08/2011	RandyCampbell	599032	6987647	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Frozen	Poor	ForestBlackSpruce
123442	14/08/2011	RandyCampbell	599079	6987658	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Wet	Poor	ForestBlackSpruce
123443	14/08/2011	RandyCampbell	599239	6987675	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	20	Moist	Poor	ForestBlackSpruce
123444	14/08/2011	RandyCampbell	599281	6987681	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestBlackSpruce
123445	14/08/2011	RandyCampbell	599389	6987690	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Dry	Good	ForestMixed
123446	14/08/2011	RandyCampbell	599479	6987699	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Frozen	Poor	ForestBlackSpruce
123447	14/08/2011	RandyCampbell	599529	6987701	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Dry	Poor	ForestMixed
123448	14/08/2011	RandyCampbell	599579	6987707	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestMixed
123449	14/08/2011	RandyCampbell	599633	6987712	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	20	Dry	Poor	ForestMixed
123450	14/08/2011	RandyCampbell	599681	6987707	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Moist	Poor	ForestMixed
123451	14/08/2011	RandyCampbell	599736	6987718	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Moist	Poor	ForestMixed
123452	14/08/2011	RandyCampbell	599777	6987725	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Wet	Poor	ForestMixed
123453	14/08/2011	RandyCampbell	599828	6987726	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Moist	Good	ForestMixed
124393	12/08/2011	MarkHiggins	604081	6987606	UTMZ7N_WGS84	Colluvium	BrownLight		Ridge	C	50	Dry	Excellent	
124394	12/08/2011	MarkHiggins	604019	6987593	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50		Poor	
124395	12/08/2011	MarkHiggins	603980	6987592	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Poor	
124396	12/08/2011	MarkHiggins	603925	6987582	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Dry	Good	
124397	12/08/2011	MarkHiggins	603869	6987584	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	50		Excellent	
124398	12/08/2011	MarkHiggins	603833	6987589	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Dry	Excellent	
124399	12/08/2011	MarkHiggins	603781	6987580	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40			
124400	12/08/2011	MarkHiggins	603727	6987583	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40		Good	
124401	12/08/2011	MarkHiggins	603675	6987577	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40			
124402	12/08/2011	MarkHiggins	603623	6987568	UTMZ7N_WGS84	Colluvium	Brown			B	40	Moist		
124403	12/08/2011	MarkHiggins	603583	6987573	UTMZ7N_WGS84	Colluvium	BrownLight			C	50	Dry	Excellent	
124404	12/08/2011	MarkHiggins	603519	6987565	UTMZ7N_WGS84	Colluvium	BrownLight				40		Good	

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
124405	12/08/2011	MarkHiggins	603471	6987563	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50		Good	
124406	12/08/2011	MarkHiggins	603271	6987597	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40		Excellent	
124407	12/08/2011	MarkHiggins	603266	6987644	UTMZ7N_WGS84	Colluvium	BrownLight		Ridge	B	40	Wet		
124408	12/08/2011	MarkHiggins	603290	6987792	UTMZ7N_WGS84	Colluvium	BrownLight			C	50	Moist	Excellent	
124409	12/08/2011	MarkHiggins	603296	6987843	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Dry	Excellent	
124410	12/08/2011	MarkHiggins	603303	6987886	UTMZ7N_WGS84	Colluvium	BrownLight			C	50	Moist	Excellent	
124411	12/08/2011	MarkHiggins	603305	6987936	UTMZ7N_WGS84	Colluvium	BrownLight			B	50	Dry		
124412	12/08/2011	MarkHiggins	603317	6987987	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Dry		
124413	12/08/2011	MarkHiggins	603326	6988040	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	60	Dry	Excellent	
124414	12/08/2011	MarkHiggins	603331	6988079	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	
124415	12/08/2011	MarkHiggins	603343	6988187	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Dry	Excellent	
124416	12/08/2011	MarkHiggins	603350	6988236	UTMZ7N_WGS84	Colluvium	BrownLight			B	40	Dry		
124417	12/08/2011	MarkHiggins	603366	6988274	UTMZ7N_WGS84	Colluvium	BrownLight							
124418	12/08/2011	MarkHiggins	603414	6988379	UTMZ7N_WGS84	Colluvium	BrownLight				30			
124419	12/08/2011	MarkHiggins	603454	6988470	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40			
124420	12/08/2011	MarkHiggins	603491	6988563	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40		Excellent	
124421	12/08/2011	MarkHiggins	603505	6988607	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50		Excellent	
124422	12/08/2011	MarkHiggins	603528	6988655	UTMZ7N_WGS84	Colluvium	BrownLight			B	50		Poor	
124423	13/08/2011	MarkHiggins	605037	6988604	UTMZ7N_WGS84	Colluvium	Brown				60			
124424	13/08/2011	MarkHiggins	604989	6988627	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50		Excellent	
124425	13/08/2011	MarkHiggins	604944	6988658	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	60	Dry	Good	
124426	13/08/2011	MarkHiggins	604911	6988686	UTMZ7N_WGS84	Colluvium	BrownLight			C	60			
124427	13/08/2011	MarkHiggins	604857	6988714	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50		Excellent	
124428	13/08/2011	MarkHiggins	604826	6988733	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
124429	13/08/2011	MarkHiggins	604785	6988768	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	60	Dry	Excellent	
124430	13/08/2011	MarkHiggins	604743	6988791	UTMZ7N_WGS84	Colluvium	BrownLight				50		Excellent	
124431	13/08/2011	MarkHiggins	604689	6988813	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Dry	Excellent	
124432	13/08/2011	MarkHiggins	604662	6988854	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50		Excellent	
124433	13/08/2011	MarkHiggins	604606	6988860	UTMZ7N_WGS84	Colluvium	BrownLight			B	50	Dry	Excellent	
124434	13/08/2011	MarkHiggins	604530	6988926	UTMZ7N_WGS84	Colluvium	BrownLight			C	50	Dry	Excellent	
124435	13/08/2011	MarkHiggins	604492	6988954	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	
124436	13/08/2011	MarkHiggins	604444	6988978	UTMZ7N_WGS84	Colluvium	BrownLight			C	40	Dry	Excellent	
124437	13/08/2011	MarkHiggins	604408	6989010	UTMZ7N_WGS84	Colluvium	BrownLight			C	40	Dry	Excellent	
124438	13/08/2011	MarkHiggins	604359	6989048	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Excellent	
124439	13/08/2011	MarkHiggins	604350	6989092	UTMZ7N_WGS84	Colluvium	BrownLight			B	40		Excellent	
124440	13/08/2011	MarkHiggins	604318	6989124	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Excellent	
124441	13/08/2011	MarkHiggins	604286	6989164	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	
124442	13/08/2011	MarkHiggins	604265	6989210	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40		Excellent	
124443	13/08/2011	MarkHiggins	604231	6989256	UTMZ7N_WGS84	Colluvium	BrownLight			B	40	Dry	Excellent	
124444	13/08/2011	MarkHiggins	604207	6989298	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40		Good	
124445	13/08/2011	MarkHiggins	604178	6989344	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	
124446	13/08/2011	MarkHiggins	604155	6989380	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Dry	Good	
124447	13/08/2011	MarkHiggins	604121	6989421	UTMZ7N_WGS84	Colluvium	BrownLight			C	50		Excellent	
124448	13/08/2011	MarkHiggins	604107	6989466	UTMZ7N_WGS84	Colluvium	BrownLight			B	40	Dry	Excellent	
124449	13/08/2011	MarkHiggins	604082	6989515	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry		
124450	13/08/2011	MarkHiggins	604063	6989554	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	
124451	13/08/2011	MarkHiggins	604040	6989601	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	
124452	13/08/2011	MarkHiggins	604010	6989639	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	
124453	13/08/2011	MarkHiggins	603982	6989687	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
124454	13/08/2011	MarkHiggins	603970	6989731	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	
124455	13/08/2011	MarkHiggins	603944	6989777	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40			
124456	13/08/2011	MarkHiggins	603926	6989833	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Dry		
124457	14/08/2011	MarkHiggins	600664	6988283	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40			
124458	14/08/2011	MarkHiggins	600597	6988320	UTMZ7N_WGS84	Colluvium	BrownLight				50		Good	
124459	14/08/2011	MarkHiggins	600557	6988371	UTMZ7N_WGS84	Colluvium	BrownLight			B	30		Good	
124460	14/08/2011	MarkHiggins	600519	6988411	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40		Excellent	
124461	14/08/2011	MarkHiggins	600503	6988445	UTMZ7N_WGS84	Colluvium	Colorless				40		Poor	
124462	14/08/2011	MarkHiggins	600458	6988481	UTMZ7N_WGS84	Colluvium	BrownLight	Silt			40		Good	
124463	14/08/2011	MarkHiggins	600418	6988503	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
124464	14/08/2011	MarkHiggins	600335	6988535	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40			
124465	14/08/2011	MarkHiggins	600235	6988578	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40			
124466	14/08/2011	MarkHiggins	600183	6988602	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50	Dry	Excellent	
124467	14/08/2011	MarkHiggins	600093	6988620	UTMZ7N_WGS84	Colluvium	BrownLight	Silt			40		Excellent	
124468	14/08/2011	MarkHiggins	600037	6988616	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40	Dry	Excellent	
124469	14/08/2011	MarkHiggins	600000	6988604	UTMZ7N_WGS84	Colluvium	Brown				40			
124470	14/08/2011	MarkHiggins	599936	6988617	UTMZ7N_WGS84	Colluvium	BrownLight			B	40			
124471	14/08/2011	MarkHiggins	599847	6988597	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	
124472	14/08/2011	MarkHiggins	599794	6988596	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Dry	Good	
124473	14/08/2011	MarkHiggins	599743	6988606	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Excellent	
124474	14/08/2011	MarkHiggins	599695	6988588	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	40	Dry	Excellent	
124475	14/08/2011	MarkHiggins	599619	6988538	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40		Excellent	
124476	14/08/2011	MarkHiggins	599624	6988502	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	
124477	14/08/2011	MarkHiggins	599633	6988456	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50			
124478	14/08/2011	MarkHiggins	599648	6988404	UTMZ7N_WGS84	Colluvium	BrownLight				50		Good	
124479	14/08/2011	MarkHiggins	599680	6988312	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50			
124480	14/08/2011	MarkHiggins	599693	6988256	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Excellent	
124481	14/08/2011	MarkHiggins	599711	6988220	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	
124482	14/08/2011	MarkHiggins	599732	6988186	UTMZ7N_WGS84	Colluvium	Brown			B	30		Poor	
124483	14/08/2011	MarkHiggins	599750	6988128	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Excellent	
124484	14/08/2011	MarkHiggins	599753	6988073	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		C	50		Good	
124485	14/08/2011	MarkHiggins	599775	6988024	UTMZ7N_WGS84	Colluvium	BrownLight			C	40			
124486	14/08/2011	MarkHiggins	599793	6987981	UTMZ7N_WGS84	Colluvium	BrownLight		ModerateNE	C	50		Excellent	
124487	14/08/2011	MarkHiggins	599801	6987936	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
129332	12/08/2011	JoeyTaylor	604666	6987468	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	SubAlpineFir
129333	12/08/2011	JoeyTaylor	604611	6987477	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	SubAlpineFir
129334	12/08/2011	JoeyTaylor	604565	6987493	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	SubAlpineFir
129335	12/08/2011	JoeyTaylor	604514	6987512	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestBlackSpruce
129336	12/08/2011	JoeyTaylor	604481	6987506	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestBlackSpruce
129337	12/08/2011	JoeyTaylor	604416	6987519	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Good	ForestBlackSpruce
129338	12/08/2011	JoeyTaylor	604368	6987528	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestBlackSpruce
129339	12/08/2011	JoeyTaylor	604327	6987547	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	ForestBlackSpruce
129340	12/08/2011	JoeyTaylor	604262	6987561	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Excellent	ForestBlackSpruce
129341	12/08/2011	JoeyTaylor	604215	6987568	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Excellent	ForestBlackSpruce
129342	12/08/2011	JoeyTaylor	604169	6987581	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40	Moist	Good	ForestBlackSpruce
129343	12/08/2011	JoeyTaylor	604157	6987638	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Good	ForestBlackSpruce
129344	12/08/2011	JoeyTaylor	604185	6987666	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	ForestBlackSpruce
129345	12/08/2011	JoeyTaylor	604218	6987711	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Good	ForestBlackSpruce
129346	12/08/2011	JoeyTaylor	604264	6987736	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Good	ForestBlackSpruce

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
129347	12/08/2011	JoeyTaylor	604294	6987776	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Wet	Poor	ForestBlackSpruce
129348	12/08/2011	JoeyTaylor	604330	6987822	UTMZ7N_WGS84	Colluvium	Blue	Silt		B	50	Frozen	Good	ForestBlackSpruce
129349	12/08/2011	JoeyTaylor	604359	6987843	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Frozen	Poor	ForestBlackSpruce
129350	12/08/2011	JoeyTaylor	604405	6987878	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40	Frozen	Poor	ForestBlackSpruce
129351	12/08/2011	JoeyTaylor	604441	6987910	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Frozen	Good	ForestBlackSpruce
129352	12/08/2011	JoeyTaylor	604481	6987941	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Dry	Excellent	ForestBlackSpruce
129353	12/08/2011	JoeyTaylor	604504	6987980	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestBlackSpruce
129354	12/08/2011	JoeyTaylor	604523	6988022	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestBlackSpruce
129355	12/08/2011	JoeyTaylor	604548	6988074	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Good	ForestBlackSpruce
129356	12/08/2011	JoeyTaylor	604557	6988118	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Good	ForestBlackSpruce
129357	12/08/2011	JoeyTaylor	604565	6988173	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	ForestBlackSpruce
129358	12/08/2011	JoeyTaylor	604572	6988221	UTMZ7N_WGS84	Frostboil	BrownLight	Silt		B	60	Moist	Good	ForestBlackSpruce
129359	12/08/2011	JoeyTaylor	604582	6988265	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Good	ForestBlackSpruce
129360	12/08/2011	JoeyTaylor	604593	6988322	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	ForestBlackSpruce
129361	12/08/2011	JoeyTaylor	604599	6988371	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Good	ForestBlackSpruce
129362	12/08/2011	JoeyTaylor	604607	6988409	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	ForestBlackSpruce
129363	12/08/2011	JoeyTaylor	604616	6988466	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	60	Frozen	Poor	ForestBlackSpruce
129364	12/08/2011	JoeyTaylor	604636	6988525	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestMixed
129365	12/08/2011	JoeyTaylor	604640	6988564	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestBlackSpruce
129366	12/08/2011	JoeyTaylor	604625	6988612	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	ForestBlackSpruce
129367	12/08/2011	JoeyTaylor	604641	6988666	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Good	ForestMixed
129368	12/08/2011	JoeyTaylor	604626	6988720	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Dry	Good	ForestMixed
129369	12/08/2011	JoeyTaylor	604616	6988751	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129370	12/08/2011	JoeyTaylor	604594	6988803	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Excellent	ForestMixed
129371	12/08/2011	JoeyTaylor	604596	6988859	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Dry	Excellent	ForestMixed
129372	13/08/2011	JoeyTaylor	602451	6989768	UTMZ7N_WGS84	Colluvium	Red	Sand		C	40	Dry	Good	ForestBlackSpruce
129373	13/08/2011	JoeyTaylor	602504	6989793	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	ForestBlackSpruce
129374	13/08/2011	JoeyTaylor	602540	6989819	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Dry	Excellent	ForestBlackSpruce
129375	13/08/2011	JoeyTaylor	602594	6989850	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Good	ForestBlackSpruce
129376	13/08/2011	JoeyTaylor	602633	6989874	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestBlackSpruce
129377	13/08/2011	JoeyTaylor	602659	6989917	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Moist	Good	ForestBlackSpruce
129378	13/08/2011	JoeyTaylor	602707	6989937	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Moist	Good	ForestBlackSpruce
129379	13/08/2011	JoeyTaylor	602755	6989980	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestBlackSpruce
129380	13/08/2011	JoeyTaylor	602776	6990013	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Moist	Good	ForestMixed
129381	13/08/2011	JoeyTaylor	602818	6990038	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Dry	Excellent	ForestBlackSpruce
129382	13/08/2011	JoeyTaylor	602858	6990080	UTMZ7N_WGS84	Colluvium	Red	Sand		C	60	Dry	Excellent	ForestMixed
129383	13/08/2011	JoeyTaylor	602874	6990123	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Moist	Poor	ForestBlackSpruce
129384	13/08/2011	JoeyTaylor	602892	6990156	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	ForestBlackSpruce
129385	13/08/2011	JoeyTaylor	602927	6990210	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	ForestBlackSpruce
129386	13/08/2011	JoeyTaylor	602946	6990246	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Moist	Good	ForestBlackSpruce
129387	13/08/2011	JoeyTaylor	602979	6990293	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		B	40	Moist	Poor	ForestBlackSpruce
129388	13/08/2011	JoeyTaylor	602999	6990349	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40	Frozen	Poor	ForestBlackSpruce
129389	13/08/2011	JoeyTaylor	603041	6990391	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Frozen	Poor	ForestBlackSpruce
129390	13/08/2011	JoeyTaylor	603048	6990432	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40	Frozen	Poor	ForestBlackSpruce
129391	13/08/2011	JoeyTaylor	603070	6990465	UTMZ7N_WGS84									
129392	13/08/2011	JoeyTaylor	603094	6990508	UTMZ7N_WGS84									
129393	13/08/2011	JoeyTaylor	603120	6990546	UTMZ7N_WGS84									
129394	13/08/2011	JoeyTaylor	603154	6990587	UTMZ7N_WGS84									
129395	13/08/2011	JoeyTaylor	603178	6990634	UTMZ7N_WGS84									

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
129396	13/08/2011	JoeyTaylor	603212	6990675	UTMZ7N_WGS84									
129397	13/08/2011	JoeyTaylor	603225	6990718	UTMZ7N_WGS84									
129398	13/08/2011	JoeyTaylor	603275	6990770	UTMZ7N_WGS84									
129399	13/08/2011	JoeyTaylor	603297	6990803	UTMZ7N_WGS84									
129400	13/08/2011	JoeyTaylor	603339	6990820	UTMZ7N_WGS84									
129401	13/08/2011	JoeyTaylor	603382	6990847	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	40	Dry	Good	ForestBlackSpruce
129402	13/08/2011	JoeyTaylor	603417	6990886	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Moist	Good	ForestBlackSpruce
129403	13/08/2011	JoeyTaylor	603456	6990910	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	50	Moist	Good	ForestBlackSpruce
129404	13/08/2011	JoeyTaylor	603498	6990940	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Good	ForestBlackSpruce
129405	13/08/2011	JoeyTaylor	603543	6990960	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Dry	Excellent	ForestBlackSpruce
129406	13/08/2011	JoeyTaylor	603592	6990997	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Wet	Excellent	ForestBlackSpruce
129407	13/08/2011	JoeyTaylor	603609	6991025	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	60	Wet	Good	ForestBlackSpruce
129408	14/08/2011	JoeyTaylor	601331	6988024	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	50	Dry	Good	SubAlpineBrush
129409	14/08/2011	JoeyTaylor	601324	6987984	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Dry	Good	SubAlpineBrush
129410	14/08/2011	JoeyTaylor	601307	6987948	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	50	Dry	Excellent	SubAlpineBrush
129411	14/08/2011	JoeyTaylor	601285	6987891	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Excellent	SubAlpineBrush
129412	14/08/2011	JoeyTaylor	601246	6987906	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Excellent	SubAlpineBrush
129413	14/08/2011	JoeyTaylor	601200	6987916	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	40	Dry	Excellent	SubAlpineBrush
129414	14/08/2011	JoeyTaylor	601156	6987944	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Dry	Excellent	SubAlpineBrush
129415	14/08/2011	JoeyTaylor	601103	6987949	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40	Dry	Poor	SubAlpineBrush
129416	14/08/2011	JoeyTaylor	601055	6987972	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	SubAlpineBrush
129417	14/08/2011	JoeyTaylor	601014	6987980	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	60	Dry	Good	SubAlpineBrush
129418	14/08/2011	JoeyTaylor	600957	6988000	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	SubAlpineBrush
129419	14/08/2011	JoeyTaylor	600886	6987989	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	SubAlpineBrush
129420	14/08/2011	JoeyTaylor	600849	6987960	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	40	Dry	Excellent	SubAlpineBrush
129421	14/08/2011	JoeyTaylor	600820	6987917	UTMZ7N_WGS84	Colluvium	Grey	Sand		C	50	Dry	Excellent	SubAlpineBrush
129422	14/08/2011	JoeyTaylor	600797	6987874	UTMZ7N_WGS84									
129423	14/08/2011	JoeyTaylor	600761	6987827	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	SubAlpineBrush
129424	14/08/2011	JoeyTaylor	600739	6987780	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40	Dry	Good	SubAlpineBrush
129425	14/08/2011	JoeyTaylor	600719	6987744	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40	Dry	Good	SubAlpineBrush
129426	14/08/2011	JoeyTaylor	600686	6987699	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	SubAlpineBrush
129427	14/08/2011	JoeyTaylor	600673	6987656	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Good	SubAlpineBrush
129428	14/08/2011	JoeyTaylor	600636	6987617	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	ForestMixed
129429	14/08/2011	JoeyTaylor	600620	6987572	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	ForestMixed
129430	14/08/2011	JoeyTaylor	600601	6987522	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	ForestMixed
129431	14/08/2011	JoeyTaylor	600566	6987481	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Moist	Good	ForestMixed
129432	14/08/2011	JoeyTaylor	600546	6987432	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	ForestMixed
129433	14/08/2011	JoeyTaylor	600523	6987384	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40	Dry	Good	ForestMixed
129434	14/08/2011	JoeyTaylor	600500	6987334	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	30	Dry	Poor	ForestMixed
129435	14/08/2011	JoeyTaylor	600468	6987306	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	ForestMixed
129436	14/08/2011	JoeyTaylor	600449	6987260	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	30	Dry	Poor	ForestMixed
129437	14/08/2011	JoeyTaylor	600430	6987220	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50	Dry	Good	ForestMixed
129438	14/08/2011	JoeyTaylor	600387	6987176	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	60	Dry	Excellent	ForestMixed
129439	14/08/2011	JoeyTaylor	600367	6987140	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60	Dry	Excellent	ForestMixed
129441	14/08/2011	JoeyTaylor	600355	6987094	UTMZ7N_WGS84	Colluvium	Brown	Sand		C	60	Dry	Excellent	ForestMixed
129442	14/08/2011	JoeyTaylor	600313	6987046	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40	Dry	Good	ForestMixed
129443	14/08/2011	JoeyTaylor	600296	6987010	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	50	Dry	Excellent	ForestMixed
129444	14/08/2011	JoeyTaylor	600257	6986998	UTMZ7N_WGS84	Colluvium	Grey	Silt		B	50	Dry	Good	ForestMixed
132112	12/08/2011	IanLauzon	601936	6986708	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Dry	Poor	AlpineBare

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
132113	12/08/2011	IanLauzon	601960	6986749	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	50	Dry	Excellent	AlpineBare
132114	12/08/2011	IanLauzon	601988	6986801	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	60	Dry	Poor	AlpineBare
132115	12/08/2011	IanLauzon	602006	6986855	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Dry	Poor	AlpineBare
132116	12/08/2011	IanLauzon	602019	6986898	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	50	Dry	Poor	AlpineBare
132117	12/08/2011	IanLauzon	602028	6986953	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	50	Dry	Good	AlpineBare
132118	12/08/2011	IanLauzon	602041	6986993	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	50	Dry	Good	AlpineBare
132119	12/08/2011	IanLauzon	601989	6987020	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Dry	Good	SubAlpineBrush
132120	12/08/2011	IanLauzon	601942	6987008	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Poor	SubAlpineBrush
132121	12/08/2011	IanLauzon	601885	6987018	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Dry	Poor	SubAlpineBrush
132122	12/08/2011	IanLauzon	601845	6987019	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Dry	Poor	SubAlpineBrush
132123	12/08/2011	IanLauzon	601793	6987019	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Poor	SubAlpineBrush
132124	12/08/2011	IanLauzon	601735	6987022	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Dry	Poor	SubAlpineBrush
132125	12/08/2011	IanLauzon	601695	6987018	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	70	Moist	Poor	SubAlpineBrush
132126	12/08/2011	IanLauzon	601638	6987031	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Dry	Good	SubAlpineBrush
132127	12/08/2011	IanLauzon	601596	6987041	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Dry	Poor	SubAlpineBrush
132128	12/08/2011	IanLauzon	601537	6987025	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Dry	Poor	SubAlpineBrush
132129	12/08/2011	IanLauzon	601487	6987047	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	30	Dry	Poor	SubAlpineAlder
132130	12/08/2011	IanLauzon	601438	6987013	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Dry	Poor	ForestMixed
132131	12/08/2011	IanLauzon	601393	6987024	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Dry	Poor	ForestMixed
132132	12/08/2011	IanLauzon	601291	6987041	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Moist	Poor	ForestMixed
132133	12/08/2011	IanLauzon	601242	6987036	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	50	Dry	Good	ForestMixed
132134	12/08/2011	IanLauzon	601183	6987034	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	60	Dry	Poor	ForestMixed
132135	12/08/2011	IanLauzon	601130	6987042	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	40	Dry	Poor	ForestMixed
132136	12/08/2011	IanLauzon	601051	6987046	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Moist	Poor	ForestMixed
132137	12/08/2011	IanLauzon	600996	6987049	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Poor	ForestMixed
132138	12/08/2011	IanLauzon	600942	6987045	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Wet	Poor	ForestMixed
132139	12/08/2011	IanLauzon	600875	6987035	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Dry	Poor	ForestMixed
132140	13/08/2011	IanLauzon	605635	6988222	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Dry	Poor	ForestMixed
132142	13/08/2011	IanLauzon	605588	6988237	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Dry	Poor	ForestMixed
132143	13/08/2011	IanLauzon	605537	6988265	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Dry	Poor	ForestMixed
132144	13/08/2011	IanLauzon	605450	6988293	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Wet	Poor	ForestMixed
132145	13/08/2011	IanLauzon	605417	6988318	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Moist	Poor	ForestMixed
132146	13/08/2011	IanLauzon	605413	6988316	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Dry	Good	ForestMixed
132147	13/08/2011	IanLauzon	605359	6988340	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Dry	Good	ForestMixed
132148	13/08/2011	IanLauzon	605346	6988849	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Dry	Good	ForestBlackSpruce
132149	13/08/2011	IanLauzon	605319	6988895	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	50	Dry	Poor	ForestBlackSpruce
132150	13/08/2011	IanLauzon	605291	6988941	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	50	Dry	Poor	ForestBlackSpruce
132151	13/08/2011	IanLauzon	605274	6988990	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	60	Dry	Poor	ForestBlackSpruce
132152	13/08/2011	IanLauzon	605233	6989009	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	40	Dry	Poor	ForestMixed
132153	13/08/2011	IanLauzon	605191	6989053	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	50	Dry	Poor	ForestMixed
132154	13/08/2011	IanLauzon	605165	6989100	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	50	Dry	Good	ForestMixed
132155	13/08/2011	IanLauzon	605144	6989147	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	60	Dry	Good	ForestMixed
132156	13/08/2011	IanLauzon	605153	6989194	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	50	Dry	Poor	ForestMixed
132157	13/08/2011	IanLauzon	605136	6989246	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Dry	Poor	ForestMixed
132158	13/08/2011	IanLauzon	605128	6989281	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed
132159	13/08/2011	IanLauzon	605021	6989275	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed
132160	13/08/2011	IanLauzon	604992	6989234	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed
132161	13/08/2011	IanLauzon	604977	6989187	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Poor	ForestMixed
132162	13/08/2011	IanLauzon	604948	6989141	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed

Appendix B. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
132163	13/08/2011	IanLauzon	604928	6989091	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Dry	Good	ForestMixed
132164	13/08/2011	IanLauzon	604889	6989055	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	60	Dry	Good	ForestMixed
132165	13/08/2011	IanLauzon	604857	6989026	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed
132166	13/08/2011	IanLauzon	604813	6988997	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed
132167	13/08/2011	IanLauzon	604767	6988992	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Dry	Poor	ForestMixed
132168	13/08/2011	IanLauzon	604715	6988972	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed
132169	13/08/2011	IanLauzon	604678	6988946	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed
145543	12/08/2011	TomStridsland	602429	6986127	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
145544	12/08/2011	TomStridsland	602361	6986180	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40		Good	
145545	12/08/2011	TomStridsland	602272	6986246	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40		Good	
145546	12/08/2011	TomStridsland	602205	6986315	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50		Good	
145547	12/08/2011	TomStridsland	602130	6986367	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40		Good	
145548	12/08/2011	TomStridsland	602050	6986432	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50		Good	
145549	12/08/2011	TomStridsland	601974	6986494	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	60		Good	
145550	12/08/2011	TomStridsland	601887	6986569	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	60		Excellent	
145551	12/08/2011	TomStridsland	601807	6986499	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	40		Good	
145552	12/08/2011	TomStridsland	601703	6986470	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	60		Good	
145553	12/08/2011	TomStridsland	601601	6986474	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40		Good	
145554	12/08/2011	TomStridsland	601505	6986466	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	30		Poor	
145555	12/08/2011	TomStridsland	601405	6986477	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40		Poor	
145556	12/08/2011	TomStridsland	601296	6986471	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		B	40		Good	
145557	12/08/2011	TomStridsland	601199	6986469	UTMZ7N_WGS84	Colluvium	BrownDark	Gravel		A	20		Poor	
145558	12/08/2011	TomStridsland	601103	6986475	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		A	30		Poor	
145559	12/08/2011	TomStridsland	600997	6986475	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	40		Poor	
145560	12/08/2011	TomStridsland	600920	6986456	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	40		Poor	
145561	12/08/2011	TomStridsland	600834	6986417	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40		Poor	
145562	12/08/2011	TomStridsland	600737	6986386	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50		Good	
145563	12/08/2011	TomStridsland	600683	6986363	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50		Excellent	
145564	12/08/2011	TomStridsland	600643	6986354	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	30		Poor	
145565	12/08/2011	TomStridsland	600548	6986312	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	60		Good	
145566	12/08/2011	TomStridsland	600463	6986280	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	50		Good	
145567	12/08/2011	TomStridsland	600414	6986254	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50		Good	
145568	12/08/2011	TomStridsland	600362	6986249	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		B	40		Poor	
145569	13/08/2011	TomStridsland	598002	6987439	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	60		Good	
145570	13/08/2011	TomStridsland	598026	6987344	UTMZ7N_WGS84	Colluvium	Tan	Sand		B	60		Good	
145571	13/08/2011	TomStridsland	598062	6987247	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50		Good	
145572	13/08/2011	TomStridsland	598101	6987152	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	50		Good	
145573	13/08/2011	TomStridsland	598122	6987062	UTMZ7N_WGS84	Colluvium	Tan	Sand		C	60		Good	
145574	13/08/2011	TomStridsland	599053	6986216	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40		Good	
145575	13/08/2011	TomStridsland	599186	6986213	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		A	30		Poor	
145576	13/08/2011	TomStridsland	599278	6986249	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	40		Poor	
145577	13/08/2011	TomStridsland	599326	6986264	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		B	40		Poor	
145578	13/08/2011	TomStridsland	599408	6986293	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		B	30		Poor	
145579	13/08/2011	TomStridsland	599526	6986333	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		B	40		Poor	
145580	13/08/2011	TomStridsland	599658	6986375	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel		B	50		Good	
145581	13/08/2011	TomStridsland	599770	6986375	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50		Excellent	
145582	13/08/2011	TomStridsland	599845	6986382	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	60		Good	
145583	13/08/2011	TomStridsland	599885	6986376	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	60		Excellent	
145584	13/08/2011	TomStridsland	599994	6986374	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	70		Excellent	

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
145585	13/08/2011	TomStridsland	600036	6986370	UTMZ7N_WGS84	Colluvium	BrownLight	Clay		B	40		Poor	
145586	13/08/2011	TomStridsland	600097	6986362	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	30		Good	
145587	14/08/2011	TomStridsland	601392	6988125	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		B	60		Good	
145588	14/08/2011	TomStridsland	601408	6988183	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	70		Excellent	
145589	14/08/2011	TomStridsland	601431	6988225	UTMZ7N_WGS84	Colluvium	Grey	Sand		B	50		Good	
145590	14/08/2011	TomStridsland	601441	6988269	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		A	50		Poor	
145591	14/08/2011	TomStridsland	601510	6988456	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	50		Poor	
145592	14/08/2011	TomStridsland	601527	6988506	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	60		Good	
145593	14/08/2011	TomStridsland	601555	6988545	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	60		Good	
145594	14/08/2011	TomStridsland	601572	6988598	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	40		Good	
145595	14/08/2011	TomStridsland	601606	6988689	UTMZ7N_WGS84	Colluvium	Tan	Silt		B	40		Good	
145596	14/08/2011	TomStridsland	601655	6988825	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		A	40		Poor	
145597	14/08/2011	TomStridsland	601673	6988877	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40		Good	
145598	14/08/2011	TomStridsland	601712	6988909	UTMZ7N_WGS84	Colluvium	BrownLight	Silt		B	30		Poor	
145599	14/08/2011	TomStridsland	601755	6988968	UTMZ7N_WGS84	Colluvium	Tan	Sand		B	50		Excellent	
145600	14/08/2011	TomStridsland	601759	6989041	UTMZ7N_WGS84	Colluvium	Brown	Silt		B	40		Good	
145601	14/08/2011	TomStridsland	601713	6989098	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50		Good	
145602	14/08/2011	TomStridsland	601692	6989146	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40		Poor	
145603	14/08/2011	TomStridsland	601681	6989186	UTMZ7N_WGS84	Colluvium	Brown	Sand		B	60		Good	
145604	14/08/2011	TomStridsland	601674	6989246	UTMZ7N_WGS84	Colluvium	Grey	Gravel		B	40	Frozen	Good	
145605	14/08/2011	TomStridsland	601638	6989277	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	60		Excellent	
145606	14/08/2011	TomStridsland	601621	6989306	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	60	Wet	Good	
145607	14/08/2011	TomStridsland	601602	6989359	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		B	50	Wet	Excellent	
145608	14/08/2011	TomStridsland	601592	6989401	UTMZ7N_WGS84	Alluvium	BrownLight	Sand		C	30		Excellent	
145609	14/08/2011	TomStridsland	601540	6989520	UTMZ7N_WGS84	Alluvium	BrownLight	Sand		B	50	Wet	Excellent	
145610	14/08/2011	TomStridsland	601508	6989588	UTMZ7N_WGS84	Colluvium	Orange	Sand		B	60	Wet	Excellent	
145611	14/08/2011	TomStridsland	601484	6989621	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40		Poor	
145612	14/08/2011	TomStridsland	601465	6989670	UTMZ7N_WGS84	Colluvium	BrownDark	Silt		B	40		Poor	

Appendix C - Analytical Certifications



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client:

Stakeholder Gold Corp.

203 - 680 Third Ave.

Val D'Or QC J9P 1S5 Canada

Submitted By: Mark Fekete

Receiving Lab: Canada-Dawson City

Received: August 15, 2011

Report Date: November 14, 2011

Page: 1 of 12

CERTIFICATE OF ANALYSIS

DAW11000285.1

CLIENT JOB INFORMATION

Project: BALLARAT
Shipment ID: 20110815112402
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: Stakeholder Gold Corp.
203 - 680 Third Ave.
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



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



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203 - 680 Third Ave.
Val D'Or QC J9P 1S5 Canada

Project: BALLARAT
Report Date: November 14, 2011

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CERTIFICATE OF ANALYSIS

DAW11000285.1

	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
123358	Soil	0.4	33.4	13.3	176	<0.1	24.5	28.1	915	5.74	3.4	0.9	<0.5	9.7	36	0.2	0.2	<0.1	112	0.23	0.049
123359	Soil	1.0	33.2	10.3	112	<0.1	18.8	14.2	589	4.44	9.1	1.4	<0.5	15.0	20	0.1	0.4	0.1	97	0.18	0.031
123360	Soil	0.5	13.8	5.4	152	<0.1	31.4	21.9	885	4.48	2.5	0.7	<0.5	5.6	23	0.2	0.1	<0.1	101	0.32	0.034
123361	Soil	0.5	22.5	7.0	182	<0.1	25.5	22.1	979	5.28	3.2	0.6	<0.5	4.3	33	0.2	0.1	<0.1	124	0.31	0.023
123362	Soil	0.6	20.8	7.9	139	<0.1	26.7	17.5	648	4.40	6.8	0.5	2.3	3.4	25	0.1	0.3	0.2	93	0.23	0.024
123363	Soil	0.3	64.2	6.4	104	<0.1	38.5	28.3	797	5.39	2.2	0.8	1.0	5.6	37	<0.1	0.1	<0.1	121	0.28	0.018
123364	Soil	0.7	24.6	14.8	124	<0.1	21.0	17.5	647	4.26	4.2	0.7	<0.5	5.3	22	0.1	0.3	0.2	82	0.20	0.026
123365	Soil	0.8	24.1	12.1	58	<0.1	24.3	11.8	435	3.24	7.9	0.7	2.1	4.0	22	<0.1	0.5	0.2	71	0.26	0.035
123366	Soil	0.8	23.6	8.1	69	<0.1	28.8	18.6	538	3.72	8.2	0.5	1.6	3.4	23	0.1	0.4	0.2	79	0.24	0.040
123367	Soil	0.9	27.7	9.2	79	<0.1	26.6	17.2	547	3.84	8.7	0.6	1.4	3.6	23	0.1	0.4	0.2	84	0.25	0.040
123368	Soil	1.0	21.7	10.2	75	<0.1	20.8	12.0	369	4.18	8.2	0.4	1.6	3.1	20	0.1	0.5	0.2	85	0.21	0.038
123369	Soil	0.5	26.4	9.6	78	0.1	20.3	11.3	260	3.11	7.7	0.9	2.7	3.4	27	0.2	0.4	0.2	70	0.30	0.054
123370	Soil	0.8	22.5	7.6	50	0.1	13.3	7.1	202	2.64	5.6	0.8	3.5	1.0	26	0.2	0.3	0.1	45	0.27	0.064
123371	Soil	0.7	25.3	8.6	75	<0.1	18.5	11.1	316	2.89	6.0	0.9	2.7	3.7	25	0.1	0.4	0.1	60	0.30	0.058
123372	Soil	0.7	21.5	6.8	76	<0.1	16.7	11.2	327	2.67	6.2	0.6	1.6	2.4	19	0.1	0.3	0.2	58	0.27	0.054
123373	Soil	0.7	15.4	5.4	62	<0.1	13.4	8.4	275	2.36	5.1	0.4	1.2	1.8	17	<0.1	0.2	0.2	55	0.25	0.045
123374	Soil	0.6	24.4	6.4	66	<0.1	18.0	10.1	295	2.62	4.9	0.7	4.1	2.6	18	0.1	0.3	0.2	57	0.27	0.042
123375	Soil	0.6	20.4	6.5	68	<0.1	17.0	11.2	327	2.78	6.5	0.6	2.9	2.7	17	0.1	0.2	0.2	59	0.24	0.046
123376	Soil	0.7	19.5	6.0	71	<0.1	19.6	14.2	532	2.99	5.9	0.4	1.5	2.7	16	<0.1	0.3	0.2	63	0.23	0.043
123377	Soil	0.6	20.4	5.5	59	<0.1	15.0	11.1	395	2.59	4.9	0.4	3.4	2.4	16	<0.1	0.2	0.2	59	0.24	0.041
123378	Soil	0.8	30.8	5.8	67	<0.1	16.1	12.0	431	3.12	4.8	0.5	3.2	3.3	19	<0.1	0.2	0.1	69	0.29	0.043
123379	Soil	0.7	33.5	5.9	61	<0.1	18.4	10.3	320	2.61	4.6	0.7	1.7	3.0	19	<0.1	0.2	0.2	56	0.33	0.043
123380	Soil	0.9	29.4	6.2	59	<0.1	21.0	10.7	310	2.71	5.4	0.8	2.6	2.9	21	<0.1	0.3	0.2	60	0.32	0.047
123381	Soil	0.7	27.1	6.1	59	<0.1	20.0	11.7	328	2.78	5.7	0.8	1.7	2.8	21	<0.1	0.3	0.2	60	0.32	0.050
123382	Soil	0.7	26.0	6.4	62	<0.1	16.8	11.1	326	2.77	5.1	0.6	3.1	3.1	20	<0.1	0.2	0.2	64	0.38	0.049
129332	Soil	0.3	21.0	3.7	90	<0.1	8.3	10.5	669	3.63	2.1	0.9	0.7	8.6	9	<0.1	0.1	0.1	36	0.13	0.052
129333	Soil	5.1	25.4	9.6	78	<0.1	14.1	10.0	641	3.47	5.9	1.0	1.6	6.6	10	0.1	0.3	0.2	46	0.14	0.053
129334	Soil	0.2	29.2	5.3	151	<0.1	8.0	10.0	784	4.71	1.9	0.5	<0.5	2.5	21	<0.1	<0.1	<0.1	59	0.23	0.061
129335	Soil	0.8	19.0	15.4	119	<0.1	4.2	6.3	600	3.10	3.5	0.4	0.6	1.9	5	0.1	0.1	0.2	36	0.07	0.043
129336	Soil	0.9	23.2	12.8	97	<0.1	17.5	14.7	461	3.76	6.4	0.3	0.9	1.8	15	<0.1	0.2	0.2	86	0.18	0.028



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Project: BALLARAT

Report Date: November 14, 2011

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CERTIFICATE OF ANALYSIS

DAW11000285.1

	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
123358	Soil	12	30	1.90	371	0.386	<1	3.40	0.012	1.00	<0.1	<0.01	3.4	0.3	<0.05	11	<0.5	<0.2
123359	Soil	23	32	1.13	269	0.275	1	2.92	0.011	0.53	0.1	0.03	4.7	0.3	<0.05	10	<0.5	<0.2
123360	Soil	18	84	2.57	491	0.328	<1	3.16	0.016	1.30	<0.1	0.02	3.8	0.4	<0.05	8	<0.5	<0.2
123361	Soil	6	62	2.84	537	0.383	<1	3.77	0.016	1.20	<0.1	0.01	3.8	0.5	<0.05	11	<0.5	<0.2
123362	Soil	6	52	1.73	423	0.296	<1	3.16	0.015	0.66	<0.1	0.01	3.4	0.3	<0.05	10	<0.5	<0.2
123363	Soil	11	63	2.34	329	0.417	<1	3.31	0.016	0.83	<0.1	<0.01	2.9	0.4	<0.05	8	<0.5	<0.2
123364	Soil	8	48	1.37	172	0.082	<1	2.66	0.010	0.14	<0.1	0.01	5.0	<0.1	<0.05	9	<0.5	<0.2
123365	Soil	14	40	0.68	315	0.054	<1	2.21	0.011	0.06	0.1	0.04	5.5	0.1	<0.05	6	<0.5	<0.2
123366	Soil	9	45	1.04	192	0.181	1	2.54	0.012	0.17	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
123367	Soil	8	43	0.98	187	0.172	1	2.39	0.013	0.14	0.1	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
123368	Soil	8	37	0.82	154	0.173	1	2.36	0.012	0.07	0.2	0.02	3.1	<0.1	<0.05	8	<0.5	<0.2
123369	Soil	14	36	0.81	221	0.148	<1	1.98	0.018	0.08	0.1	0.04	4.2	0.1	<0.05	6	<0.5	<0.2
123370	Soil	11	26	0.50	176	0.077	<1	1.37	0.018	0.05	<0.1	0.05	2.5	<0.1	0.06	5	0.5	<0.2
123371	Soil	14	30	0.72	210	0.126	1	1.76	0.016	0.08	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
123372	Soil	10	29	0.66	173	0.091	2	1.74	0.010	0.08	0.1	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
123373	Soil	8	24	0.56	127	0.085	2	1.45	0.009	0.07	0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
123374	Soil	10	32	0.68	189	0.091	1	1.85	0.010	0.06	0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
123375	Soil	9	31	0.64	176	0.086	1	1.81	0.010	0.05	0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
123376	Soil	8	37	0.80	141	0.099	2	1.78	0.012	0.06	0.1	0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
123377	Soil	8	30	0.78	142	0.089	1	1.74	0.009	0.06	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
123378	Soil	10	32	0.90	199	0.106	1	1.85	0.010	0.12	0.2	0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
123379	Soil	12	31	0.81	247	0.092	1	1.63	0.010	0.08	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
123380	Soil	12	36	0.81	227	0.088	1	1.83	0.011	0.07	0.2	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
123381	Soil	12	33	0.82	236	0.086	2	1.81	0.010	0.06	0.1	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
123382	Soil	12	29	0.73	236	0.077	1	1.79	0.012	0.05	0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
129332	Soil	33	20	0.67	232	0.121	<1	1.93	0.007	0.51	<0.1	<0.01	4.2	0.2	<0.05	8	<0.5	<0.2
129333	Soil	25	21	0.47	327	0.072	1	1.77	0.007	0.25	<0.1	0.02	5.7	0.1	<0.05	6	<0.5	<0.2
129334	Soil	9	19	1.12	407	0.238	<1	2.68	0.008	0.83	<0.1	<0.01	3.3	0.3	<0.05	13	<0.5	<0.2
129335	Soil	7	8	0.55	126	0.155	<1	1.54	0.008	0.45	<0.1	0.01	3.6	0.2	<0.05	10	<0.5	<0.2
129336	Soil	4	38	1.08	243	0.150	1	2.48	0.012	0.21	<0.1	<0.01	3.4	0.1	<0.05	8	<0.5	<0.2



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Project: BALLARAT
Report Date: November 14, 2011

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CERTIFICATE OF ANALYSIS

DAW11000285.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
129337	Soil	1.0	33.5	6.6	96	<0.1	21.9	12.8	426	3.45	7.2	0.3	1.5	1.8	14	<0.1	0.3	0.1	82	0.17	0.026
129338	Soil	0.8	9.9	5.0	103	<0.1	38.4	15.0	581	3.67	6.3	0.2	0.7	1.4	20	<0.1	0.2	0.1	84	0.19	0.026
129339	Soil	0.7	24.8	6.3	68	<0.1	20.1	10.9	419	2.92	6.1	0.6	2.3	3.1	26	<0.1	0.3	0.1	69	0.37	0.066
129340	Soil	0.7	15.9	3.0	80	<0.1	21.6	26.8	566	3.70	2.6	0.2	0.8	1.5	17	0.1	0.1	<0.1	84	0.25	0.053
129341	Soil	0.8	18.6	5.7	100	<0.1	35.4	21.0	663	3.74	4.2	0.3	1.7	2.6	19	0.1	0.2	<0.1	76	0.26	0.053
129342	Soil	0.6	28.5	9.2	79	<0.1	26.0	16.0	408	4.02	6.5	0.7	1.5	5.3	17	<0.1	0.5	0.2	90	0.19	0.015
129343	Soil	0.8	23.1	6.6	61	<0.1	19.5	11.6	353	2.87	7.8	0.5	1.7	2.8	18	<0.1	0.3	0.1	60	0.22	0.040
129344	Soil	0.9	23.9	8.8	90	<0.1	23.8	15.2	496	3.92	8.0	0.4	1.5	2.9	19	0.1	0.3	0.1	87	0.25	0.040
129345	Soil	1.0	27.8	9.1	81	<0.1	27.2	15.2	533	3.61	6.3	0.7	2.5	2.4	22	<0.1	0.3	0.1	78	0.30	0.047
129346	Soil	0.7	22.3	6.4	81	<0.1	20.1	14.8	473	3.39	5.4	0.4	1.0	3.0	17	<0.1	0.2	<0.1	69	0.23	0.041
129347	Soil	0.9	30.7	8.8	84	0.2	21.3	14.2	477	3.44	5.9	0.7	1.8	2.7	20	<0.1	0.2	0.1	74	0.30	0.037
129348	Soil	0.4	30.5	8.1	86	0.1	22.1	15.2	325	2.96	4.6	1.0	1.5	3.4	21	0.1	0.3	0.1	68	0.30	0.047
129349	Soil	0.4	18.5	7.1	74	0.1	16.4	8.0	213	2.31	3.7	0.6	12.2	1.9	19	<0.1	0.2	0.1	52	0.29	0.043
129350	Soil	0.5	14.3	7.5	66	<0.1	14.7	7.0	189	2.16	4.1	0.5	2.2	1.5	17	<0.1	0.2	<0.1	49	0.25	0.053
129351	Soil	0.7	19.1	8.0	77	<0.1	17.2	9.2	269	2.87	5.5	0.5	1.3	2.2	20	<0.1	0.3	0.1	64	0.27	0.032
129352	Soil	0.5	11.6	2.6	63	<0.1	3.2	3.7	432	2.27	2.0	0.4	<0.5	4.2	4	<0.1	<0.1	<0.1	20	0.06	0.027
129353	Soil	0.8	10.0	7.9	43	<0.1	5.3	2.8	160	1.80	4.3	0.5	0.9	2.2	12	<0.1	0.2	0.1	39	0.12	0.020
129354	Soil	0.7	11.7	6.8	71	<0.1	9.7	6.6	497	3.03	4.8	0.7	<0.5	4.2	11	<0.1	0.2	<0.1	38	0.12	0.026
129355	Soil	1.2	15.4	7.3	76	<0.1	13.5	6.7	334	3.69	7.9	0.4	2.2	2.2	16	<0.1	0.3	<0.1	61	0.14	0.047
129356	Soil	1.1	18.2	6.6	78	<0.1	16.4	10.8	376	3.38	7.0	0.3	0.7	1.4	19	<0.1	0.2	<0.1	80	0.28	0.061
129357	Soil	1.2	16.3	9.2	51	<0.1	16.3	8.5	222	3.23	9.7	0.5	1.8	3.5	22	<0.1	0.5	0.4	79	0.16	0.029
129358	Soil	1.3	35.9	10.4	60	<0.1	19.3	11.1	301	3.31	11.8	0.7	4.4	3.4	26	<0.1	0.5	0.3	82	0.21	0.022
129359	Soil	1.1	34.2	11.9	58	<0.1	25.6	14.7	399	3.21	6.7	0.7	10.6	4.2	27	<0.1	0.5	0.3	82	0.26	0.020
129360	Soil	0.9	24.8	10.0	52	<0.1	22.5	11.8	315	2.95	6.9	0.8	1.2	3.5	34	<0.1	0.5	0.3	75	0.35	0.025
129361	Soil	1.2	19.6	9.3	56	<0.1	19.3	12.2	316	3.21	6.3	0.6	1.7	3.1	31	<0.1	0.5	0.3	84	0.25	0.027
129362	Soil	1.2	20.9	8.9	77	<0.1	32.4	31.3	1285	5.22	6.2	0.4	0.6	1.8	50	0.2	0.4	0.2	128	0.27	0.075
129363	Soil	1.1	30.4	7.3	57	0.2	23.3	17.4	1286	2.60	3.3	1.4	2.3	3.2	38	0.3	0.6	0.9	52	0.64	0.088
129364	Soil	2.0	38.4	6.1	93	<0.1	11.1	23.3	922	6.65	6.0	0.3	<0.5	1.7	23	<0.1	0.6	0.3	177	0.38	0.078
129365	Soil	1.5	37.3	11.5	82	<0.1	22.0	10.7	393	3.15	5.3	1.1	4.1	8.5	26	<0.1	0.5	0.4	48	0.32	0.045
129366	Soil	1.7	43.1	18.0	98	0.1	24.6	11.2	310	3.45	7.9	0.9	1.2	7.2	22	0.1	0.6	0.5	61	0.21	0.025



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
129337	Soil	5	40	0.91	263	0.144	<1	2.60	0.010	0.09	<0.1	0.02	2.4	0.1	<0.05	7	<0.5	<0.2
129338	Soil	4	98	1.65	283	0.201	<1	3.08	0.011	0.20	<0.1	<0.01	2.0	0.1	<0.05	9	<0.5	<0.2
129339	Soil	12	31	0.80	328	0.117	1	1.78	0.012	0.15	<0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
129340	Soil	3	37	1.74	237	0.229	<1	2.77	0.011	0.69	<0.1	<0.01	2.0	0.2	<0.05	6	<0.5	<0.2
129341	Soil	6	50	1.66	239	0.187	<1	2.82	0.009	0.54	<0.1	<0.01	2.5	0.2	<0.05	8	<0.5	<0.2
129342	Soil	8	47	1.08	160	0.037	1	2.97	0.006	0.06	<0.1	<0.01	7.1	0.1	<0.05	8	<0.5	<0.2
129343	Soil	8	28	0.78	167	0.113	1	2.21	0.009	0.09	0.1	0.01	2.7	0.1	<0.05	6	<0.5	<0.2
129344	Soil	7	41	1.12	215	0.150	2	2.71	0.009	0.17	0.1	<0.01	3.4	0.1	<0.05	8	<0.5	<0.2
129345	Soil	10	51	1.19	278	0.121	2	2.37	0.011	0.16	<0.1	0.02	4.4	0.1	<0.05	7	<0.5	<0.2
129346	Soil	8	38	1.15	175	0.144	1	2.28	0.008	0.23	<0.1	<0.01	2.7	0.1	<0.05	6	<0.5	<0.2
129347	Soil	10	42	1.00	264	0.130	1	2.46	0.010	0.16	<0.1	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
129348	Soil	13	38	1.06	358	0.142	1	2.19	0.012	0.17	<0.1	0.05	4.5	0.1	<0.05	7	<0.5	<0.2
129349	Soil	7	33	0.70	202	0.100	<1	1.87	0.011	0.09	<0.1	0.05	3.2	0.1	<0.05	6	<0.5	<0.2
129350	Soil	7	29	0.66	166	0.083	<1	1.66	0.010	0.07	<0.1	0.04	2.6	<0.1	<0.05	6	<0.5	<0.2
129351	Soil	7	34	0.73	175	0.106	1	2.11	0.011	0.06	<0.1	0.02	3.0	<0.1	<0.05	7	<0.5	<0.2
129352	Soil	10	6	0.27	77	0.065	<1	0.95	0.005	0.23	<0.1	<0.01	2.9	<0.1	<0.05	8	<0.5	<0.2
129353	Soil	10	14	0.22	109	0.080	<1	1.08	0.006	0.08	<0.1	0.01	2.1	<0.1	<0.05	7	<0.5	<0.2
129354	Soil	11	19	0.43	108	0.069	<1	1.55	0.007	0.10	<0.1	<0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
129355	Soil	7	27	0.49	81	0.071	<1	1.97	0.008	0.06	<0.1	0.01	2.4	<0.1	<0.05	8	<0.5	<0.2
129356	Soil	10	34	0.78	146	0.106	<1	1.86	0.011	0.06	<0.1	0.01	3.0	<0.1	<0.05	8	<0.5	<0.2
129357	Soil	11	34	0.54	137	0.108	2	1.97	0.012	0.04	0.1	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
129358	Soil	10	45	0.72	190	0.137	2	2.31	0.014	0.06	<0.1	0.03	5.2	0.2	<0.05	8	<0.5	<0.2
129359	Soil	13	52	0.86	199	0.102	2	2.09	0.016	0.04	<0.1	0.03	5.8	0.1	<0.05	6	<0.5	<0.2
129360	Soil	16	45	0.70	242	0.093	2	2.07	0.015	0.05	0.1	0.03	6.6	0.1	<0.05	7	<0.5	<0.2
129361	Soil	11	43	0.80	210	0.069	1	2.12	0.014	0.04	0.1	0.02	5.5	0.1	<0.05	8	<0.5	<0.2
129362	Soil	5	78	1.76	126	0.153	<1	3.01	0.010	0.03	0.2	<0.01	8.6	<0.1	<0.05	12	<0.5	<0.2
129363	Soil	18	29	0.41	474	0.023	2	1.54	0.016	0.06	0.2	0.06	7.1	0.2	<0.05	5	<0.5	<0.2
129364	Soil	4	27	1.61	197	0.094	<1	3.67	0.022	0.07	0.3	0.02	16.7	<0.1	<0.05	14	<0.5	<0.2
129365	Soil	33	28	0.59	676	0.036	<1	1.78	0.012	0.07	0.1	0.01	6.3	0.1	<0.05	5	0.5	<0.2
129366	Soil	25	34	0.49	305	0.041	<1	2.07	0.012	0.07	0.1	0.03	4.4	0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
129367	Soil	0.5	47.9	8.5	80	<0.1	41.8	21.8	819	4.51	2.9	0.9	2.5	9.6	20	<0.1	0.7	0.2	69	0.47	0.053
129368	Soil	1.3	18.6	5.5	54	<0.1	18.8	14.6	417	3.00	4.2	0.3	1.1	0.9	21	<0.1	0.5	0.2	75	0.35	0.023
129369	Soil	0.8	62.1	7.1	78	<0.1	14.4	21.5	865	4.63	1.2	0.5	2.7	4.5	25	<0.1	0.5	0.2	96	0.55	0.048
129370	Soil	0.8	68.2	5.3	72	<0.1	30.0	21.8	876	5.30	2.2	0.2	1.7	1.8	26	<0.1	0.3	0.1	103	0.47	0.092
129371	Soil	1.0	134.7	3.9	576	<0.1	16.2	12.7	478	5.12	5.7	0.3	1.6	0.6	11	0.5	0.5	0.2	147	0.22	0.058
106668	Soil	0.9	15.8	8.0	56	<0.1	18.5	9.1	269	3.08	7.2	0.5	7.5	1.8	23	0.2	0.6	0.2	84	0.26	0.061
106669	Soil	1.2	33.5	9.3	54	<0.1	16.0	7.3	245	3.44	8.0	0.6	4.2	1.5	23	0.1	0.7	0.3	100	0.21	0.036
106670	Soil	0.8	99.4	8.8	61	0.1	23.9	12.0	428	3.14	7.2	0.7	25.4	3.4	25	<0.1	0.6	0.2	76	0.24	0.055
106671	Soil	1.0	49.5	7.5	58	<0.1	22.4	9.6	333	2.82	6.4	0.5	9.0	1.2	29	0.2	0.5	0.2	71	0.29	0.060
106672	Soil	1.1	53.4	8.3	58	<0.1	22.9	10.7	504	2.82	7.2	0.8	5.6	2.0	32	0.1	0.5	0.2	69	0.43	0.074
106673	Soil	2.5	110.0	8.3	59	0.2	25.2	12.1	458	2.96	7.2	2.7	4.4	1.8	39	<0.1	0.5	0.2	72	0.53	0.087
106674	Soil	1.3	47.3	6.4	60	0.1	18.0	13.5	487	2.82	5.0	1.1	3.0	2.0	42	<0.1	0.3	0.2	70	0.66	0.078
106675	Soil	0.9	44.3	7.5	56	<0.1	18.8	10.8	312	2.66	5.0	0.7	3.8	2.5	33	<0.1	0.3	0.2	69	0.49	0.054
106676	Soil	1.2	44.5	5.8	63	<0.1	18.1	14.5	602	3.28	5.5	0.6	3.1	2.5	32	<0.1	0.3	0.1	78	0.49	0.071
106677	Soil	1.6	46.8	7.0	51	0.1	14.2	9.4	396	2.41	4.7	0.7	1.6	2.0	32	0.1	0.3	0.2	64	0.38	0.046
106678	Soil	1.7	27.9	8.0	62	<0.1	15.4	8.5	285	3.01	9.8	0.5	2.2	2.7	26	<0.1	0.4	0.2	75	0.28	0.032
106679	Soil	0.5	31.7	4.7	64	<0.1	53.9	27.2	527	3.28	4.0	0.4	1.0	2.4	32	<0.1	0.3	<0.1	69	0.35	0.040
106680	Soil	0.8	28.2	6.6	55	<0.1	31.6	16.2	426	3.45	7.2	0.5	14.0	2.9	25	<0.1	0.5	0.2	79	0.26	0.038
106681	Soil	0.8	22.9	7.2	53	<0.1	22.4	10.4	276	3.12	6.9	0.6	4.4	3.0	23	<0.1	0.5	0.2	74	0.23	0.037
106682	Soil	1.1	20.2	7.6	99	<0.1	17.2	12.4	482	3.21	5.9	0.4	0.7	2.1	18	0.1	0.4	0.1	72	0.19	0.046
106683	Soil	1.1	32.7	9.0	78	<0.1	25.0	12.7	444	3.53	9.0	1.0	2.4	5.8	25	<0.1	0.6	0.3	78	0.25	0.052
106684	Soil	0.7	36.3	8.3	64	<0.1	24.7	12.5	406	3.13	8.0	1.1	2.5	4.3	30	<0.1	0.6	0.2	71	0.29	0.059
106685	Soil	1.1	25.7	9.2	57	<0.1	25.9	12.0	348	3.14	9.0	0.6	1.2	3.6	24	<0.1	0.6	0.3	73	0.21	0.035
106686	Soil	0.9	37.1	8.1	53	<0.1	25.1	13.0	320	3.05	6.6	0.8	1.2	3.7	22	<0.1	0.4	0.2	72	0.24	0.041
106687	Soil	1.0	28.3	9.1	59	<0.1	23.0	13.2	353	3.35	8.7	0.7	1.8	3.5	26	<0.1	0.6	0.2	76	0.24	0.037
106688	Soil	0.9	29.4	7.0	51	<0.1	15.6	11.6	307	3.17	6.5	0.5	0.7	2.6	18	<0.1	0.4	0.2	76	0.18	0.052
106689	Soil	0.7	21.3	7.6	79	<0.1	18.1	12.7	357	3.68	6.2	0.3	1.9	1.7	13	0.2	0.2	0.1	87	0.18	0.034
106690	Soil	0.8	22.0	8.3	81	<0.1	18.5	12.6	364	3.89	7.0	0.3	7.3	1.7	13	0.1	0.2	0.1	92	0.16	0.039
106691	Soil	0.6	20.7	6.8	66	<0.1	16.0	11.3	459	2.84	6.1	0.6	2.6	3.9	14	<0.1	0.3	0.1	52	0.20	0.032
106692	Soil	0.8	40.5	7.3	73	0.1	19.3	9.4	449	2.68	7.1	0.9	2.6	5.0	18	0.1	0.3	0.1	56	0.26	0.049



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	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
129367	Soil	42	72	0.93	624	0.023	<1	1.98	0.010	0.10	0.1	0.05	16.3	0.2	<0.05	6	<0.5	<0.2
129368	Soil	5	48	1.28	276	0.034	<1	2.33	0.015	0.06	<0.1	0.02	6.9	<0.1	<0.05	5	<0.5	<0.2
129369	Soil	19	19	1.42	741	0.043	<1	2.51	0.019	0.11	<0.1	0.04	14.3	0.2	<0.05	7	<0.5	<0.2
129370	Soil	5	66	1.82	295	0.079	1	2.96	0.013	0.20	<0.1	<0.01	8.5	0.1	<0.05	9	<0.5	<0.2
129371	Soil	4	22	1.11	142	0.111	<1	2.64	0.019	0.04	<0.1	0.02	6.2	<0.1	<0.05	8	<0.5	<0.2
106668	Soil	10	28	0.60	139	0.108	1	1.66	0.013	0.05	0.2	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
106669	Soil	11	30	0.53	163	0.093	2	1.81	0.012	0.05	0.1	0.02	3.8	0.1	<0.05	8	<0.5	<0.2
106670	Soil	14	35	0.73	186	0.088	1	2.25	0.013	0.05	0.1	0.02	4.6	0.1	<0.05	7	<0.5	<0.2
106671	Soil	10	31	0.60	164	0.077	1	1.62	0.013	0.04	0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
106672	Soil	13	34	0.61	318	0.070	1	1.89	0.017	0.05	0.1	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
106673	Soil	21	36	0.75	406	0.073	1	2.24	0.019	0.06	<0.1	0.08	5.8	0.1	<0.05	7	<0.5	<0.2
106674	Soil	11	30	1.02	310	0.124	2	1.98	0.017	0.08	<0.1	0.04	4.3	0.1	<0.05	6	<0.5	<0.2
106675	Soil	10	31	0.98	226	0.136	2	2.05	0.016	0.09	0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
106676	Soil	8	29	1.15	195	0.160	<1	2.09	0.013	0.15	0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
106677	Soil	12	25	0.65	200	0.126	1	1.56	0.022	0.09	<0.1	0.04	3.3	0.1	<0.05	7	<0.5	<0.2
106678	Soil	10	28	0.72	152	0.161	<1	1.75	0.012	0.10	0.1	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
106679	Soil	13	183	2.67	240	0.173	<1	3.82	0.017	0.24	<0.1	0.01	4.2	0.2	<0.05	7	<0.5	<0.2
106680	Soil	10	87	1.05	203	0.076	1	2.49	0.015	0.06	0.1	0.02	6.9	0.1	<0.05	6	<0.5	<0.2
106681	Soil	11	42	0.73	186	0.123	<1	2.03	0.012	0.07	0.1	0.03	4.4	<0.1	<0.05	7	<0.5	<0.2
106682	Soil	8	32	0.77	123	0.125	<1	1.82	0.011	0.11	<0.1	<0.01	3.6	0.1	<0.05	7	<0.5	<0.2
106683	Soil	23	42	0.75	277	0.108	1	2.53	0.015	0.08	0.1	0.03	7.2	0.1	<0.05	7	<0.5	<0.2
106684	Soil	22	42	0.74	280	0.108	1	2.19	0.016	0.06	<0.1	0.03	6.3	0.1	<0.05	6	<0.5	<0.2
106685	Soil	12	48	0.74	199	0.107	1	2.13	0.014	0.05	0.1	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
106686	Soil	11	48	0.79	186	0.126	1	2.01	0.014	0.06	0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
106687	Soil	11	34	0.74	203	0.118	1	2.04	0.016	0.12	0.1	0.03	5.0	0.1	<0.05	6	<0.5	<0.2
106688	Soil	8	34	0.73	123	0.143	<1	1.78	0.016	0.16	<0.1	0.01	2.8	0.1	<0.05	7	<0.5	<0.2
106689	Soil	5	37	0.85	97	0.147	1	2.15	0.009	0.10	0.1	0.03	2.2	<0.1	<0.05	7	<0.5	<0.2
106690	Soil	5	38	0.83	107	0.144	1	2.10	0.009	0.09	<0.1	0.03	2.5	<0.1	<0.05	8	<0.5	<0.2
106691	Soil	14	26	0.55	164	0.101	1	1.75	0.008	0.13	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
106692	Soil	35	29	0.58	343	0.078	2	1.69	0.009	0.07	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2



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Project: BALLARAT
Report Date: November 14, 2011

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	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
106693	Soil	0.5	48.4	7.4	175	<0.1	23.9	21.9	776	4.62	6.2	0.8	1.3	4.7	17	0.1	0.2	<0.1	97	0.26	0.041
106694	Soil	0.6	14.1	7.5	54	<0.1	13.2	9.0	350	2.40	6.2	0.5	1.1	1.8	15	<0.1	0.2	0.1	62	0.21	0.050
106695	Soil	0.6	28.3	7.2	62	<0.1	20.7	10.8	372	2.67	5.6	0.7	2.1	3.2	25	<0.1	0.2	0.1	59	0.36	0.062
106696	Soil	0.6	14.2	8.2	37	0.1	11.8	7.9	342	2.21	5.6	0.4	<0.5	2.1	16	<0.1	0.2	0.2	59	0.20	0.023
106697	Soil	0.4	22.2	4.5	60	<0.1	16.4	14.4	355	3.08	5.6	0.3	1.2	2.0	20	<0.1	0.2	<0.1	77	0.42	0.087
103902	Soil	1.1	14.6	8.1	45	<0.1	13.4	6.5	190	2.64	7.5	0.4	3.6	1.3	18	0.3	0.3	0.1	85	0.27	0.038
103903	Soil	0.5	32.9	5.9	51	<0.1	18.8	10.1	273	2.84	6.3	0.4	1.7	2.2	18	0.1	0.3	0.1	73	0.29	0.050
103904	Soil	1.3	18.3	7.1	36	<0.1	8.3	3.4	132	1.80	4.9	0.3	1.6	0.5	8	0.4	0.4	0.2	62	0.08	0.026
103905	Soil	1.1	44.4	7.4	36	0.1	10.7	4.1	109	2.07	5.2	0.5	3.4	1.2	12	0.2	0.3	0.2	70	0.14	0.021
103906	Soil	1.7	85.2	9.2	67	0.2	25.0	11.5	506	3.14	8.7	1.1	6.1	2.0	25	0.3	0.3	0.2	80	0.59	0.067
103907	Soil	2.5	96.6	7.5	64	0.3	19.8	13.0	1111	2.61	5.1	1.2	8.2	2.4	27	0.3	0.3	0.1	62	0.68	0.077
103908	Soil	2.2	52.6	7.5	54	0.2	17.8	10.6	555	2.53	5.1	1.0	3.9	2.1	24	<0.1	0.3	0.1	60	0.56	0.078
103909	Soil	1.7	52.9	7.8	58	0.1	19.1	11.6	453	2.66	5.6	1.3	2.7	3.0	21	0.1	0.4	0.1	62	0.42	0.052
103910	Soil	2.2	117.6	6.4	58	0.3	17.4	12.9	675	2.46	5.0	1.0	3.5	2.3	26	<0.1	0.3	<0.1	59	0.53	0.066
103911	Soil	1.2	41.2	7.1	58	0.1	18.8	10.9	383	2.96	6.6	0.5	1.4	2.8	19	<0.1	0.2	<0.1	76	0.31	0.040
103912	Soil	2.1	88.6	6.5	67	0.1	17.1	11.6	402	3.44	6.7	0.5	2.7	3.1	15	0.1	0.2	<0.1	81	0.27	0.042
103913	Soil	1.2	51.4	5.9	54	<0.1	18.4	12.5	450	3.21	6.3	0.5	1.0	3.1	16	<0.1	0.2	0.1	80	0.27	0.031
103914	Soil	1.5	36.7	8.3	71	<0.1	19.7	12.7	480	3.49	6.0	0.8	2.9	3.7	18	<0.1	0.2	0.1	81	0.27	0.030
103915	Soil	1.4	22.4	8.6	72	<0.1	19.3	12.3	412	3.71	7.0	0.4	1.9	2.4	16	<0.1	0.3	0.1	80	0.22	0.042
103916	Soil	1.1	18.2	7.7	58	0.1	14.8	7.4	275	3.41	7.9	0.4	0.9	2.4	12	0.1	0.3	0.1	72	0.14	0.026
103917	Soil	0.6	29.1	4.2	69	<0.1	34.8	21.6	554	4.02	3.9	0.3	<0.5	2.1	14	<0.1	0.1	<0.1	81	0.25	0.037
103918	Soil	1.1	23.0	10.4	48	<0.1	20.4	10.0	222	2.87	7.9	0.5	1.8	2.2	15	0.1	0.3	0.1	86	0.17	0.026
103919	Soil	0.3	22.5	3.7	40	<0.1	27.8	13.8	252	2.43	3.1	0.3	1.3	2.1	15	<0.1	0.1	<0.1	62	0.23	0.027
103920	Soil	0.8	22.1	9.9	20	<0.1	12.3	5.4	71	2.37	5.4	1.2	1.6	1.1	11	<0.1	0.2	0.1	47	0.09	0.048
103921	Soil	0.6	17.6	8.8	49	<0.1	20.1	9.0	210	3.12	9.5	0.4	2.6	2.6	12	<0.1	0.4	0.1	72	0.14	0.032
103922	Soil	0.3	10.1	3.9	7	<0.1	3.8	1.1	21	0.54	1.7	0.2	6.7	<0.1	7	<0.1	<0.1	<0.1	20	0.05	0.038
103923	Soil	1.0	18.0	9.3	28	<0.1	8.0	5.2	127	1.90	5.5	0.4	1.3	1.8	10	<0.1	0.3	0.2	67	0.11	0.035
103924	Soil	1.2	21.5	10.4	48	<0.1	22.3	11.6	334	3.84	9.3	0.3	1.3	2.0	12	<0.1	0.4	0.2	93	0.15	0.032
103925	Soil	1.4	19.4	9.5	63	<0.1	17.1	10.9	219	3.26	9.0	0.5	0.9	2.8	10	0.1	0.4	0.2	87	0.12	0.033
103926	Soil	0.5	9.0	3.4	16	<0.1	5.3	2.7	76	0.70	1.9	0.2	<0.5	<0.1	5	<0.1	0.2	<0.1	26	0.05	0.032



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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
106693	Soil	19	44	1.72	300	0.198	1	2.86	0.007	0.71	<0.1	0.01	4.7	0.4	<0.05	8	<0.5	<0.2
106694	Soil	9	26	0.59	183	0.075	<1	1.52	0.007	0.09	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
106695	Soil	11	38	0.83	344	0.104	<1	1.68	0.011	0.21	0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
106696	Soil	8	24	0.52	259	0.091	<1	1.49	0.011	0.08	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
106697	Soil	7	24	1.16	229	0.143	<1	1.91	0.011	0.35	<0.1	<0.01	2.6	0.2	<0.05	5	<0.5	<0.2
103902	Soil	6	24	0.56	156	0.099	2	1.32	0.007	0.07	0.1	0.03	2.4	<0.1	0.06	7	<0.5	<0.2
103903	Soil	8	26	0.76	215	0.079	1	1.83	0.008	0.05	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
103904	Soil	4	15	0.13	69	0.061	1	0.69	0.008	0.03	<0.1	0.05	1.2	<0.1	0.06	6	0.5	<0.2
103905	Soil	8	22	0.31	121	0.066	1	1.33	0.008	0.04	0.1	0.04	2.4	<0.1	0.06	7	<0.5	<0.2
103906	Soil	16	33	0.77	475	0.056	1	2.26	0.013	0.06	0.1	0.03	4.4	<0.1	0.09	6	<0.5	<0.2
103907	Soil	11	32	0.84	368	0.067	2	1.86	0.012	0.09	0.1	0.05	4.8	0.1	0.08	5	<0.5	<0.2
103908	Soil	9	30	0.75	338	0.064	2	1.81	0.011	0.05	0.1	0.04	3.8	0.1	0.09	5	<0.5	<0.2
103909	Soil	11	31	0.79	287	0.066	1	1.90	0.010	0.05	0.1	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2
103910	Soil	10	27	0.88	226	0.091	1	1.83	0.010	0.15	0.1	0.05	4.2	0.1	0.06	5	<0.5	<0.2
103911	Soil	7	30	0.98	153	0.125	<1	2.07	0.008	0.18	<0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
103912	Soil	7	28	1.05	136	0.147	2	2.15	0.007	0.29	<0.1	<0.01	3.1	0.2	<0.05	6	<0.5	<0.2
103913	Soil	9	29	1.16	185	0.156	1	1.95	0.008	0.39	0.1	0.01	3.5	0.2	<0.05	6	<0.5	<0.2
103914	Soil	15	37	1.42	278	0.169	2	2.44	0.009	0.46	<0.1	0.01	5.1	0.2	<0.05	8	<0.5	<0.2
103915	Soil	7	45	1.01	159	0.140	2	2.71	0.009	0.15	<0.1	0.03	3.7	0.1	<0.05	7	<0.5	<0.2
103916	Soil	6	31	0.57	101	0.107	1	2.14	0.006	0.07	<0.1	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
103917	Soil	8	86	1.64	262	0.114	1	2.56	0.006	0.19	<0.1	<0.01	4.7	0.1	<0.05	7	<0.5	<0.2
103918	Soil	8	42	0.76	164	0.157	<1	1.74	0.008	0.13	0.1	0.03	3.0	0.1	<0.05	8	<0.5	<0.2
103919	Soil	7	96	1.33	132	0.133	<1	2.02	0.009	0.13	<0.1	<0.01	2.9	0.1	<0.05	4	<0.5	<0.2
103920	Soil	20	33	0.30	182	0.061	<1	2.01	0.010	0.06	<0.1	0.04	3.1	0.1	<0.05	6	<0.5	<0.2
103921	Soil	8	35	0.58	120	0.089	1	2.06	0.007	0.05	0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
103922	Soil	4	8	0.05	74	0.032	<1	0.51	0.011	0.02	<0.1	0.03	0.6	<0.1	<0.05	2	<0.5	<0.2
103923	Soil	9	25	0.27	88	0.090	<1	1.21	0.006	0.05	<0.1	0.01	1.5	0.1	<0.05	8	<0.5	<0.2
103924	Soil	6	51	0.76	100	0.129	1	2.49	0.008	0.07	0.1	0.02	2.7	0.1	<0.05	7	<0.5	<0.2
103925	Soil	8	39	0.58	135	0.097	1	2.19	0.007	0.07	<0.1	0.02	2.7	0.1	<0.05	7	<0.5	<0.2
103926	Soil	2	13	0.12	42	0.011	<1	0.44	0.009	0.02	<0.1	0.02	0.2	<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	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
102961	Soil	0.3	34.0	5.8	79	<0.1	14.7	18.5	535	4.48	2.5	0.3	<0.5	2.0	14	<0.1	0.2	<0.1	107	0.24	0.032	
102962	Soil	1.1	34.2	9.2	49	<0.1	21.1	12.1	419	2.85	9.2	1.2	1.2	4.4	14	<0.1	0.4	0.1	67	0.18	0.049	
102963	Soil	1.0	35.1	8.8	67	<0.1	37.1	16.7	588	3.61	8.4	1.0	2.8	5.5	20	0.1	0.6	0.3	74	0.29	0.051	
102964	Soil	1.0	31.6	8.4	61	<0.1	25.8	13.0	474	3.25	10.3	0.7	1.7	3.8	17	0.1	0.6	0.2	65	0.22	0.059	
102965	Soil	0.8	41.3	6.0	60	<0.1	16.7	10.8	433	2.78	5.3	0.8	2.5	3.2	21	<0.1	0.4	0.2	65	0.29	0.053	
102966	Soil	0.6	40.2	6.1	58	<0.1	16.7	11.0	414	2.91	5.2	0.5	2.4	2.6	17	0.1	0.5	0.1	65	0.27	0.054	
102967	Soil	1.0	70.9	7.3	71	0.2	24.7	11.6	494	3.29	7.2	1.2	4.7	3.4	29	0.1	0.6	0.2	70	0.47	0.078	
102968	Soil	1.0	43.6	6.9	62	<0.1	17.2	11.0	450	3.09	6.7	0.6	3.8	3.2	20	<0.1	0.4	0.1	68	0.41	0.062	
102969	Soil	0.8	14.6	9.0	46	<0.1	10.7	14.8	615	4.49	7.3	0.9	10.1	4.6	8	0.1	0.6	0.1	95	0.16	0.053	
102970	Soil	0.8	25.8	8.3	57	<0.1	32.4	12.8	358	2.96	12.0	0.5	2.5	3.1	18	0.1	0.6	0.2	66	0.25	0.024	
102971	Soil	0.7	32.2	7.7	65	<0.1	25.0	15.2	554	3.53	8.4	0.5	2.9	3.0	17	0.1	0.4	0.1	84	0.25	0.054	
102972	Soil	1.0	26.4	10.1	68	<0.1	24.2	12.1	431	3.32	8.4	0.5	6.4	2.6	18	0.2	0.4	0.2	79	0.25	0.050	
102973	Soil	3.0	35.8	23.2	92	0.1	23.4	14.2	549	3.29	8.7	0.7	6.9	2.8	23	0.2	0.6	0.2	71	0.34	0.068	
102974	Soil	1.1	28.8	8.3	74	<0.1	24.2	11.4	441	3.39	8.9	0.6	3.5	2.9	19	0.1	0.5	0.1	65	0.26	0.045	
102975	Soil	1.3	15.1	10.4	39	<0.1	9.8	5.1	187	3.03	8.5	0.5	3.6	2.2	11	<0.1	0.6	0.3	82	0.09	0.029	
102976	Soil	1.3	33.7	10.5	66	<0.1	16.7	7.3	239	4.07	12.5	0.5	4.2	2.3	13	0.2	0.6	0.2	90	0.13	0.034	
102977	Soil	1.3	14.3	12.1	44	0.1	10.9	5.5	290	2.35	5.9	0.3	2.4	1.5	13	0.1	0.5	0.2	70	0.13	0.026	
102978	Soil	0.8	27.3	18.8	69	<0.1	23.6	12.9	442	3.03	6.4	0.6	11.5	3.9	20	0.1	0.4	0.2	66	0.30	0.053	
102979	Soil	1.4	21.6	51.2	78	0.1	22.0	12.7	601	3.93	10.6	0.6	10.9	4.2	15	0.3	0.6	0.3	72	0.17	0.051	
102980	Soil	1.5	20.5	29.7	54	<0.1	15.0	7.4	244	3.54	11.9	0.6	5.1	3.6	10	0.2	0.6	0.3	77	0.11	0.038	
102981	Soil	0.8	10.7	7.3	32	<0.1	7.9	4.2	195	2.01	5.0	0.3	11.4	1.0	8	0.1	0.4	0.2	60	0.09	0.028	
102982	Soil	1.2	20.2	8.9	60	<0.1	18.6	10.6	366	3.49	6.0	0.4	2.1	1.1	13	0.3	0.5	0.2	79	0.16	0.056	
102983	Soil	0.9	17.7	9.1	66	<0.1	17.9	13.3	419	3.25	6.2	0.4	3.2	2.0	17	0.2	0.3	0.1	71	0.28	0.048	
102984	Soil	1.2	18.2	8.3	60	<0.1	19.2	11.4	334	3.17	6.6	0.4	1.9	2.1	16	0.1	0.3	0.1	65	0.28	0.053	
102985	Soil	1.3	15.2	10.6	52	<0.1	15.1	8.6	237	3.13	8.6	0.4	5.2	2.0	10	<0.1	0.5	0.2	73	0.10	0.034	
102986	Soil	1.3	25.2	8.9	46	0.1	14.4	7.3	248	2.94	5.3	0.7	3.5	2.4	18	<0.1	0.3	0.2	65	0.28	0.031	
101906	Soil	0.9	23.1	7.1	54	<0.1	20.4	9.3	291	2.75	8.0	0.7	4.9	3.2	20	0.1	0.4	0.1	62	0.24	0.054	
101907	Soil	0.8	29.7	8.7	65	<0.1	27.4	14.0	405	3.57	9.9	0.6	2.9	3.9	19	<0.1	0.5	0.2	80	0.25	0.030	
101908	Soil	1.1	25.0	7.6	61	<0.1	22.8	12.1	375	4.03	10.1	0.4	4.0	2.5	17	0.2	0.4	0.2	91	0.22	0.042	
101909	Soil	1.3	35.5	9.2	54	0.1	22.1	9.7	280	3.36	10.2	0.6	2.9	2.1	19	0.1	0.5	0.2	80	0.26	0.041	



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Project: BALLARAT

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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
102961	Soil	4	32	1.14	215	0.110	<1	2.53	0.012	0.11	<0.1	<0.01	7.7	<0.1	<0.05	8	<0.5	<0.2
102962	Soil	13	44	0.64	198	0.078	1	2.24	0.009	0.05	0.1	0.06	5.1	<0.1	<0.05	5	<0.5	<0.2
102963	Soil	14	67	1.04	230	0.123	2	2.71	0.010	0.07	0.1	0.02	4.8	0.1	<0.05	8	<0.5	<0.2
102964	Soil	11	40	0.74	203	0.090	2	2.39	0.009	0.06	0.2	0.05	4.1	0.1	<0.05	6	<0.5	<0.2
102965	Soil	13	27	0.94	197	0.132	2	1.87	0.011	0.15	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
102966	Soil	9	27	0.98	169	0.141	1	1.92	0.010	0.19	0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
102967	Soil	14	35	0.95	391	0.117	2	2.15	0.011	0.14	0.1	0.06	5.7	0.1	<0.05	6	<0.5	<0.2
102968	Soil	9	26	0.90	182	0.111	2	1.95	0.013	0.08	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
102969	Soil	13	18	0.67	272	0.008	3	1.85	0.006	0.06	0.1	0.02	7.5	<0.1	<0.05	5	<0.5	<0.2
102970	Soil	9	34	0.68	210	0.085	2	2.42	0.012	0.07	0.2	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
102971	Soil	10	34	0.83	201	0.066	1	2.51	0.010	0.06	0.1	0.03	4.7	<0.1	<0.05	7	<0.5	<0.2
102972	Soil	10	34	0.71	195	0.068	2	2.09	0.010	0.06	0.2	0.03	4.5	<0.1	<0.05	7	<0.5	<0.2
102973	Soil	13	34	0.70	392	0.068	2	2.08	0.013	0.06	0.2	0.04	4.7	<0.1	0.06	6	<0.5	<0.2
102974	Soil	11	34	0.69	274	0.083	1	2.51	0.011	0.06	0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
102975	Soil	10	24	0.28	102	0.086	1	1.62	0.006	0.03	0.1	0.03	2.4	0.1	<0.05	9	<0.5	<0.2
102976	Soil	8	38	0.57	125	0.088	<1	1.96	0.008	0.05	0.1	0.02	3.0	<0.1	0.05	9	<0.5	<0.2
102977	Soil	7	21	0.23	155	0.067	<1	1.41	0.009	0.04	<0.1	0.02	2.3	<0.1	<0.05	7	<0.5	<0.2
102978	Soil	17	35	0.79	261	0.098	2	1.94	0.012	0.06	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
102979	Soil	13	37	0.51	265	0.062	1	2.48	0.009	0.06	0.2	0.06	3.9	<0.1	<0.05	7	<0.5	<0.2
102980	Soil	10	37	0.43	127	0.070	1	2.09	0.007	0.05	0.2	0.03	3.1	<0.1	<0.05	8	<0.5	<0.2
102981	Soil	5	17	0.21	90	0.059	<1	0.87	0.011	0.04	<0.1	0.03	1.7	<0.1	0.06	6	<0.5	<0.2
102982	Soil	6	34	0.68	113	0.070	1	1.74	0.013	0.05	0.1	0.03	3.3	<0.1	<0.05	8	<0.5	<0.2
102983	Soil	8	30	0.73	229	0.085	2	1.81	0.010	0.08	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
102984	Soil	7	36	0.73	157	0.079	2	1.64	0.011	0.06	0.2	0.03	3.5	<0.1	0.05	6	<0.5	<0.2
102985	Soil	7	27	0.42	150	0.062	<1	1.96	0.008	0.04	0.1	0.03	2.5	<0.1	0.06	7	<0.5	<0.2
102986	Soil	13	29	0.46	318	0.046	1	1.95	0.013	0.05	0.1	0.06	6.1	<0.1	<0.05	6	<0.5	<0.2
101906	Soil	10	32	0.62	209	0.081	2	2.12	0.011	0.05	0.1	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
101907	Soil	10	41	0.84	355	0.100	2	2.88	0.012	0.06	0.1	0.02	4.4	0.1	<0.05	7	<0.5	<0.2
101908	Soil	8	34	0.70	211	0.066	2	2.21	0.011	0.04	0.1	0.02	4.7	<0.1	0.05	7	<0.5	<0.2
101909	Soil	14	34	0.55	284	0.065	1	2.56	0.011	0.04	0.1	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	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
101910	Soil	1.3	27.2	9.7	69	<0.1	27.3	13.9	470	3.84	12.0	0.4	2.4	2.5	12	0.2	0.6	0.2	82	0.14	0.019
101911	Soil	1.5	15.5	9.8	41	0.1	13.8	12.7	562	3.16	8.3	0.4	5.2	2.0	17	0.1	0.5	0.2	93	0.19	0.019
101912	Soil	1.8	28.3	30.5	66	0.4	24.1	12.0	315	4.39	9.4	0.8	34.9	4.3	17	0.2	0.6	0.3	82	0.15	0.032
101913	Soil	1.6	20.4	99.5	67	0.1	18.3	7.6	231	3.98	13.3	0.5	5.0	2.4	13	0.9	0.7	0.6	74	0.14	0.039
101914	Soil	1.3	15.9	10.7	51	0.2	17.6	7.3	209	3.21	10.4	0.5	2.7	3.0	12	0.1	0.6	0.2	74	0.11	0.029
101915	Soil	0.8	23.9	9.1	63	<0.1	23.0	12.3	344	3.31	7.9	0.8	10.7	6.1	19	0.1	0.5	0.1	68	0.24	0.031
101916	Soil	0.6	26.0	12.5	54	<0.1	20.4	9.3	272	2.93	7.3	0.8	10.4	4.3	23	<0.1	0.4	0.1	62	0.29	0.042
101917	Soil	1.2	18.8	14.3	245	<0.1	16.6	8.8	422	3.66	9.5	0.5	8.9	2.5	15	0.7	0.4	0.2	76	0.17	0.054
101918	Soil	0.9	14.2	9.7	37	<0.1	11.9	5.3	173	2.38	5.8	0.4	6.0	1.8	16	<0.1	0.3	0.2	55	0.16	0.018
101919	Soil	0.7	20.0	8.7	50	<0.1	17.1	9.9	337	2.75	6.5	0.5	11.7	2.9	22	0.1	0.3	0.1	62	0.29	0.038
101920	Soil	1.4	13.0	10.2	59	<0.1	14.5	7.6	571	2.96	8.0	0.3	1.1	1.6	18	0.2	0.4	0.2	75	0.21	0.037
101921	Soil	1.0	18.8	9.8	66	<0.1	17.3	10.8	418	3.08	5.9	0.4	0.7	2.1	18	0.2	0.5	0.2	72	0.23	0.029
101922	Soil	1.3	16.8	10.7	50	<0.1	16.7	8.5	267	3.39	7.6	0.4	2.0	2.3	15	<0.1	0.4	0.2	77	0.19	0.026
101923	Soil	1.5	24.6	14.3	66	<0.1	21.2	9.3	339	3.77	9.2	0.8	3.8	4.2	25	0.2	0.5	0.2	90	0.32	0.023
101924	Soil	0.8	32.0	9.3	53	<0.1	18.6	11.0	346	2.99	6.2	1.1	1.7	5.7	27	<0.1	0.3	0.1	63	0.46	0.031
101925	Soil	0.7	47.5	5.6	98	<0.1	20.8	27.8	697	5.78	2.9	0.9	0.7	3.9	19	0.2	0.1	0.2	135	0.55	0.107
101926	Soil	2.2	75.5	8.0	175	<0.1	24.9	17.6	730	5.07	5.1	0.5	18.5	2.1	18	0.3	0.2	0.2	127	0.35	0.066
101927	Soil	1.4	68.9	5.4	92	<0.1	14.4	15.1	349	4.77	5.6	0.6	0.7	2.2	24	<0.1	0.3	<0.1	112	0.25	0.040
101928	Soil	1.7	39.5	6.0	64	<0.1	13.2	18.7	423	4.70	5.2	0.6	1.8	2.0	23	<0.1	0.3	<0.1	109	0.32	0.054
101929	Soil	0.7	33.6	7.6	77	<0.1	20.3	14.7	447	4.36	6.3	0.4	<0.5	1.8	21	<0.1	0.4	<0.1	109	0.38	0.047
101930	Soil	1.2	25.1	6.1	55	<0.1	17.1	11.5	504	3.35	6.0	0.4	<0.5	1.7	23	0.1	0.2	0.1	75	0.38	0.062
101931	Soil	1.2	39.0	4.2	66	<0.1	13.0	16.7	562	4.71	2.3	0.6	<0.5	1.8	24	0.2	0.2	0.1	101	0.49	0.107
101932	Soil	1.1	30.3	9.2	64	<0.1	17.3	14.3	492	3.47	5.6	0.9	6.3	3.6	26	<0.1	0.3	0.1	71	0.51	0.054
101933	Soil	1.2	24.7	8.8	55	<0.1	14.9	11.8	481	3.16	4.7	0.8	1.7	3.6	26	<0.1	0.3	0.1	61	0.44	0.035
101934	Soil	0.7	35.9	8.1	65	<0.1	18.6	14.4	507	3.70	7.0	0.9	1.3	3.5	32	<0.1	0.3	0.1	78	0.57	0.056
101935	Soil	1.5	25.1	10.1	56	<0.1	21.6	13.9	395	3.14	5.6	0.4	<0.5	2.1	33	0.1	0.4	0.1	75	0.57	0.060
101936	Soil	0.6	34.1	7.1	68	<0.1	21.3	17.2	576	3.78	5.2	0.5	1.4	2.0	38	<0.1	0.3	<0.1	83	0.78	0.100
101937	Soil	0.7	29.5	8.3	73	<0.1	20.3	18.8	480	3.82	5.3	0.3	<0.5	1.4	34	<0.1	0.2	<0.1	93	0.61	0.074
101938	Soil	0.7	45.6	4.3	53	<0.1	16.1	17.2	344	3.65	10.7	0.4	0.6	1.2	22	0.1	0.2	<0.1	96	0.50	0.042
145543	Soil	0.5	33.7	7.8	63	<0.1	28.3	14.3	421	3.71	7.6	0.7	1.7	5.7	17	<0.1	0.4	<0.1	78	0.27	0.051



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
101910	Soil	7	36	0.63	242	0.056	<1	2.61	0.010	0.05	0.1	0.04	4.7	<0.1	<0.05	7	<0.5	<0.2
101911	Soil	7	30	0.38	246	0.069	<1	1.82	0.009	0.04	0.1	0.02	3.0	<0.1	<0.05	9	<0.5	<0.2
101912	Soil	17	47	0.49	332	0.041	2	2.43	0.008	0.05	0.1	0.03	5.4	<0.1	<0.05	8	<0.5	<0.2
101913	Soil	8	34	0.41	219	0.051	1	2.26	0.007	0.04	0.1	0.05	2.8	<0.1	<0.05	7	<0.5	<0.2
101914	Soil	9	36	0.36	180	0.050	<1	2.38	0.009	0.03	0.1	0.04	2.9	<0.1	<0.05	7	<0.5	<0.2
101915	Soil	21	35	0.68	306	0.095	1	2.12	0.010	0.08	<0.1	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
101916	Soil	20	34	0.58	297	0.086	1	1.84	0.014	0.05	0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
101917	Soil	10	30	0.44	280	0.090	2	1.94	0.008	0.06	<0.1	0.02	3.2	<0.1	<0.05	8	<0.5	<0.2
101918	Soil	9	22	0.35	223	0.073	<1	1.61	0.014	0.05	0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
101919	Soil	10	31	0.61	218	0.084	<1	1.81	0.013	0.05	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
101920	Soil	8	28	0.43	233	0.068	2	1.88	0.012	0.08	0.1	0.02	2.2	<0.1	<0.05	8	<0.5	<0.2
101921	Soil	8	32	0.50	290	0.070	1	2.05	0.016	0.08	<0.1	0.02	3.2	<0.1	<0.05	7	<0.5	<0.2
101922	Soil	7	31	0.49	209	0.071	1	2.14	0.013	0.07	<0.1	0.02	3.2	<0.1	<0.05	8	<0.5	<0.2
101923	Soil	23	43	0.69	686	0.090	2	2.65	0.016	0.10	<0.1	0.03	4.8	<0.1	<0.05	9	<0.5	<0.2
101924	Soil	38	33	0.65	553	0.075	1	1.88	0.019	0.06	0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
101925	Soil	14	39	2.72	433	0.173	1	2.97	0.025	0.19	<0.1	<0.01	8.6	<0.1	<0.05	12	<0.5	<0.2
101926	Soil	6	51	1.40	368	0.175	1	2.51	0.020	0.33	<0.1	0.02	5.6	0.1	<0.05	10	<0.5	0.2
101927	Soil	8	24	1.50	231	0.119	<1	2.58	0.023	0.13	<0.1	0.01	7.8	<0.1	0.11	10	1.0	<0.2
101928	Soil	9	19	1.58	472	0.094	2	2.45	0.019	0.14	<0.1	0.01	7.7	<0.1	<0.05	10	<0.5	<0.2
101929	Soil	6	42	1.62	277	0.193	1	2.45	0.015	0.40	<0.1	0.02	5.5	0.1	<0.05	10	<0.5	<0.2
101930	Soil	8	29	0.85	253	0.116	1	1.87	0.016	0.21	<0.1	0.02	3.8	<0.1	<0.05	7	<0.5	<0.2
101931	Soil	12	27	1.67	417	0.144	<1	2.22	0.020	0.59	<0.1	0.01	6.0	0.1	0.11	10	<0.5	<0.2
101932	Soil	14	31	0.85	363	0.111	1	1.86	0.020	0.18	<0.1	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
101933	Soil	17	23	0.67	356	0.093	1	1.73	0.019	0.21	0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
101934	Soil	15	30	1.03	346	0.115	2	2.11	0.024	0.15	0.1	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
101935	Soil	9	35	0.91	284	0.133	2	2.05	0.023	0.14	0.2	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
101936	Soil	8	30	1.41	313	0.137	1	2.47	0.024	0.19	<0.1	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2
101937	Soil	4	32	1.54	184	0.154	<1	2.49	0.019	0.11	<0.1	0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
101938	Soil	6	25	0.96	158	0.098	<1	1.76	0.050	0.06	<0.1	<0.01	6.0	<0.1	<0.05	6	<0.5	<0.2
145543	Soil	13	52	0.93	279	0.142	1	2.53	0.018	0.27	<0.1	0.03	5.0	0.2	<0.05	8	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					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
145544	Soil																							
145545	Soil																							
145546	Soil																							
145547	Soil																							
145548	Soil																							
145549	Soil																							
145550	Soil																							
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145552	Soil																							
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145560	Soil																							
145561	Soil																							
145562	Soil																							
145563	Soil																							
145564	Soil																							
145565	Soil																							
145566	Soil																							
145567	Soil																							
145568	Soil																							
132112	Soil																							
132113	Soil																							
132114	Soil																							
132115	Soil																							
132116	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
145544	Soil	7	51	0.94	157	0.151	<1	2.36	0.012	0.12	<0.1	0.02	2.7	0.1	<0.05	7	<0.5	<0.2
145545	Soil	12	47	0.89	209	0.123	2	2.41	0.014	0.12	<0.1	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
145546	Soil	14	34	0.82	228	0.128	<1	2.08	0.016	0.09	0.1	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
145547	Soil	9	33	0.82	209	0.136	2	2.36	0.012	0.18	<0.1	0.03	3.5	0.2	<0.05	8	<0.5	<0.2
145548	Soil	10	29	0.78	177	0.111	1	1.93	0.011	0.10	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
145549	Soil	13	32	0.82	193	0.126	2	2.09	0.012	0.11	<0.1	0.03	3.7	0.1	<0.05	6	<0.5	<0.2
145550	Soil	12	36	0.49	212	0.071	2	2.49	0.013	0.06	0.1	0.06	3.7	0.1	<0.05	7	<0.5	<0.2
145551	Soil	9	32	0.70	185	0.095	2	2.32	0.016	0.07	0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
145552	Soil	13	31	0.63	178	0.080	2	1.93	0.014	0.07	0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
145553	Soil	15	33	0.81	300	0.073	1	2.10	0.018	0.06	<0.1	0.02	5.1	<0.1	<0.05	7	<0.5	<0.2
145554	Soil	14	23	0.37	470	0.055	2	1.45	0.024	0.06	<0.1	0.04	3.5	<0.1	<0.05	6	<0.5	<0.2
145555	Soil	18	32	0.57	430	0.063	2	2.00	0.015	0.06	0.1	0.04	4.6	0.1	<0.05	6	<0.5	<0.2
145556	Soil	8	34	0.52	160	0.100	1	2.83	0.019	0.05	<0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
145557	Soil	16	19	0.26	171	0.051	1	1.06	0.013	0.05	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
145558	Soil	10	30	0.49	123	0.092	2	1.63	0.011	0.05	0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
145559	Soil	11	18	0.24	149	0.052	1	1.08	0.012	0.04	<0.1	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
145560	Soil	16	32	0.54	301	0.085	2	2.29	0.015	0.05	0.1	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2
145561	Soil	7	24	0.35	228	0.063	2	1.51	0.012	0.07	0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
145562	Soil	29	42	0.66	397	0.080	1	2.07	0.016	0.07	0.1	0.03	6.6	<0.1	<0.05	6	0.6	<0.2
145563	Soil	14	59	1.12	409	0.061	2	2.51	0.015	0.07	<0.1	0.02	8.1	<0.1	<0.05	8	<0.5	<0.2
145564	Soil	7	39	0.71	254	0.067	2	2.05	0.018	0.07	0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
145565	Soil	9	51	1.08	245	0.064	1	2.31	0.025	0.06	<0.1	0.02	8.6	<0.1	<0.05	8	<0.5	<0.2
145566	Soil	6	48	0.91	162	0.102	2	2.13	0.029	0.05	<0.1	0.01	4.7	<0.1	<0.05	7	<0.5	<0.2
145567	Soil	7	39	0.64	206	0.075	1	1.97	0.018	0.05	<0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
145568	Soil	6	35	0.69	211	0.079	1	1.76	0.039	0.04	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
132112	Soil	8	37	0.68	200	0.091	3	2.52	0.011	0.07	0.1	0.04	4.5	<0.1	<0.05	8	0.5	<0.2
132113	Soil	9	14	0.25	160	0.020	3	1.06	0.008	0.07	<0.1	<0.01	5.1	<0.1	<0.05	3	0.6	<0.2
132114	Soil	9	35	0.74	177	0.045	2	2.40	0.010	0.07	<0.1	0.03	5.1	<0.1	<0.05	7	<0.5	<0.2
132115	Soil	9	36	0.70	206	0.094	1	2.57	0.012	0.08	0.1	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
132116	Soil	10	41	0.84	165	0.108	2	1.97	0.015	0.06	0.1	0.01	3.8	<0.1	<0.05	6	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
132117	Soil																							
132118	Soil																							
132119	Soil																							
132120	Soil																							
132121	Soil																							
132122	Soil																							
132123	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
132117	Soil	11	32	0.78	234	0.098	<1	2.06	0.016	0.06	0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
132118	Soil	12	26	0.70	273	0.064	2	1.97	0.014	0.06	0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
132119	Soil	15	28	0.76	243	0.084	1	1.77	0.018	0.06	0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
132120	Soil	13	30	0.78	222	0.094	2	2.13	0.014	0.07	0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
132121	Soil	15	34	0.78	355	0.096	1	2.10	0.018	0.10	0.1	0.03	5.0	<0.1	<0.05	6	0.6	<0.2
132122	Soil	9	25	0.71	270	0.095	1	1.69	0.017	0.10	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
132123	Soil	10	32	0.66	240	0.072	1	1.82	0.015	0.07	0.1	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
132124	Soil	9	20	0.32	142	0.068	1	1.17	0.015	0.06	0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
132125	Soil	14	30	0.71	401	0.075	<1	1.82	0.018	0.08	<0.1	0.04	5.5	<0.1	<0.05	6	0.5	<0.2
132126	Soil	12	30	0.65	201	0.094	1	1.89	0.013	0.08	0.1	0.04	4.1	<0.1	<0.05	6	0.7	<0.2
132127	Soil	10	23	0.39	171	0.072	<1	1.44	0.019	0.07	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
132128	Soil	21	37	0.52	496	0.066	1	2.77	0.018	0.11	<0.1	0.05	6.4	0.1	<0.05	8	0.6	<0.2
132129	Soil	7	22	0.30	155	0.078	1	1.39	0.014	0.06	<0.1	0.04	2.5	0.1	<0.05	7	<0.5	<0.2
132130	Soil	18	24	0.31	387	0.052	<1	1.68	0.017	0.06	<0.1	0.03	3.0	<0.1	<0.05	7	0.6	<0.2
132131	Soil	58	35	0.57	790	0.081	<1	2.38	0.016	0.10	0.1	0.05	5.7	0.1	<0.05	7	1.7	<0.2
132132	Soil	22	30	0.50	434	0.080	1	1.95	0.019	0.09	0.1	0.05	4.4	0.1	<0.05	7	0.7	<0.2
132133	Soil	15	31	0.58	369	0.099	1	2.03	0.014	0.08	0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
132134	Soil	23	38	0.60	531	0.096	2	2.43	0.018	0.09	0.2	0.05	6.0	0.1	<0.05	7	1.0	<0.2
132135	Soil	10	31	0.39	230	0.084	<1	1.65	0.022	0.06	0.1	0.02	3.0	<0.1	<0.05	7	<0.5	<0.2
132136	Soil	14	41	0.62	391	0.096	<1	2.50	0.019	0.07	0.1	0.04	5.2	0.1	<0.05	8	0.7	<0.2
132137	Soil	11	29	0.53	290	0.074	2	1.52	0.016	0.06	0.1	0.03	3.2	<0.1	<0.05	5	0.6	<0.2
132138	Soil	8	28	0.58	203	0.082	2	1.57	0.015	0.06	0.1	0.03	3.1	<0.1	<0.05	6	0.6	<0.2
132139	Soil	6	21	0.57	100	0.082	2	1.34	0.016	0.04	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
100556	Soil	10	37	0.63	182	0.073	2	2.32	0.010	0.06	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
100557	Soil	34	43	1.29	135	0.031	2	2.84	0.008	0.04	<0.1	0.02	9.7	<0.1	<0.05	8	0.6	<0.2
100558	Soil	10	35	0.78	207	0.069	2	2.40	0.012	0.05	0.1	0.02	4.6	<0.1	<0.05	7	0.5	<0.2
100559	Soil	8	19	0.43	517	0.009	2	1.44	0.007	0.06	<0.1	0.02	7.7	<0.1	<0.05	4	<0.5	<0.2
100560	Soil	7	26	0.45	238	0.069	1	1.69	0.011	0.06	0.1	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2
100561	Soil	33	27	0.49	696	0.039	2	1.91	0.017	0.06	<0.1	0.09	4.1	<0.1	0.07	5	1.0	<0.2
100562	Soil	14	27	0.67	327	0.074	1	1.65	0.015	0.05	<0.1	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	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	%	%
100563	Soil	0.7	27.9	7.3	52	<0.1	17.8	9.4	354	2.56	6.6	0.7	2.7	2.9	24	<0.1	0.3	0.1	60	0.38	0.039
100564	Soil	1.4	16.5	9.5	37	0.2	10.6	5.7	237	1.73	3.5	0.5	1.3	1.1	24	0.5	0.2	0.2	52	0.30	0.029
100565	Soil	1.0	27.4	9.6	60	<0.1	18.7	11.4	380	3.22	6.8	0.5	1.2	2.9	22	<0.1	0.2	0.1	75	0.31	0.035
100566	Soil	1.3	64.8	8.7	58	0.3	21.8	10.9	318	2.89	30.2	1.1	5.2	3.3	27	<0.1	0.3	0.1	71	0.44	0.055
100567	Soil	0.9	65.5	4.8	51	<0.1	8.9	13.7	266	3.76	6.8	0.4	2.2	1.2	13	<0.1	0.2	0.1	102	0.26	0.064
100568	Soil	1.8	22.8	9.9	54	0.2	17.7	12.2	249	3.50	9.3	0.7	1.7	3.2	15	<0.1	0.5	0.2	89	0.16	0.040
100569	Soil	0.8	40.4	8.3	57	0.1	21.8	12.3	362	3.13	7.9	1.0	3.8	4.2	28	0.2	0.5	0.1	70	0.50	0.067
100570	Soil	0.6	23.2	6.2	56	<0.1	18.3	14.0	390	2.84	6.1	0.4	1.9	2.6	18	<0.1	0.3	<0.1	69	0.28	0.056
100571	Soil	0.9	19.8	8.4	53	<0.1	22.9	13.4	340	3.25	9.0	0.5	1.8	3.0	16	0.2	0.4	0.1	68	0.18	0.027
100572	Soil	0.5	24.3	4.5	55	<0.1	17.7	16.0	451	3.01	4.1	0.4	1.6	2.3	20	0.1	0.2	<0.1	70	0.28	0.046
100573	Soil	0.6	15.4	8.1	35	<0.1	15.6	7.8	162	2.40	6.9	0.5	1.6	2.6	14	<0.1	0.2	0.1	57	0.15	0.022
100574	Soil	0.9	22.3	9.0	44	<0.1	18.0	9.7	231	2.87	7.7	0.5	1.3	1.5	19	0.1	0.3	0.1	75	0.22	0.037
100575	Soil	0.5	24.8	12.8	47	<0.1	13.3	6.5	207	2.03	4.3	0.7	13.6	2.3	20	0.1	0.3	0.1	51	0.26	0.050
100576	Soil	0.7	31.6	15.0	53	0.1	18.6	9.6	267	2.49	5.5	0.7	11.5	4.1	24	<0.1	0.3	0.1	56	0.34	0.052
100577	Soil	0.9	41.9	13.8	65	0.4	23.4	12.1	347	2.99	6.0	1.5	7.4	2.2	38	0.2	0.3	0.2	61	0.62	0.057
100578	Soil	0.7	18.2	10.4	60	<0.1	17.6	11.4	345	2.84	6.9	0.7	5.0	3.5	20	0.2	0.3	0.1	62	0.26	0.052
100579	Soil	0.8	24.5	10.0	38	0.2	12.0	6.2	173	1.74	4.1	1.0	2.2	0.4	25	0.3	0.2	0.1	38	0.30	0.049
100580	Soil	1.0	20.8	10.5	51	0.1	15.8	8.0	343	2.22	5.5	1.1	5.3	1.7	25	0.3	0.3	0.2	47	0.33	0.055
100581	Soil	0.6	15.8	14.1	50	<0.1	19.3	7.9	257	2.25	4.2	0.8	7.7	2.5	19	0.1	0.4	0.1	54	0.34	0.030
100582	Soil	0.7	31.4	8.5	68	0.1	16.0	13.0	452	3.26	5.2	1.0	6.2	3.2	26	0.2	0.3	0.1	77	0.52	0.046
100583	Soil	0.8	28.4	9.8	66	0.1	18.3	11.2	391	2.89	5.6	1.2	4.3	3.5	26	0.2	0.3	0.1	63	0.53	0.047
100584	Soil	0.6	30.9	8.9	63	<0.1	13.8	13.5	422	3.29	4.6	0.6	3.6	1.6	26	0.2	0.3	<0.1	79	0.58	0.049
124393	Soil	0.6	20.8	9.1	65	<0.1	25.8	13.0	378	3.16	8.6	0.5	1.1	2.7	22	0.1	0.3	0.1	71	0.24	0.049
124394	Soil	0.8	6.8	7.4	11	<0.1	2.9	1.4	78	0.77	1.9	0.2	0.7	0.7	12	<0.1	0.2	0.1	31	0.11	0.012
124395	Soil	0.5	14.8	6.5	17	0.2	5.7	2.0	77	0.70	1.4	0.3	0.5	<0.1	11	0.2	0.2	0.1	19	0.08	0.028
124396	Soil	0.7	26.7	10.2	55	<0.1	19.2	8.5	227	2.67	7.2	0.6	2.2	2.5	16	0.2	0.4	0.1	57	0.21	0.040
124397	Soil	1.1	38.1	9.1	76	0.1	25.9	13.6	451	3.41	8.6	0.8	3.0	3.6	18	0.1	0.4	0.2	70	0.21	0.053
124398	Soil	1.1	18.3	10.8	34	0.1	7.5	5.6	231	2.10	4.4	0.4	1.7	0.5	14	0.2	0.3	0.2	52	0.12	0.048
124399	Soil	2.1	53.4	13.7	98	0.3	25.4	11.7	489	4.34	10.7	1.4	2.2	4.0	25	0.4	0.5	0.3	88	0.23	0.053
124400	Soil	1.2	22.0	9.3	63	<0.1	22.2	11.5	340	3.27	8.7	0.5	1.7	2.6	17	<0.1	0.4	0.2	68	0.18	0.041



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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
100563	Soil	11	28	0.67	247	0.092	1	1.77	0.013	0.06	0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
100564	Soil	8	19	0.39	175	0.077	1	1.09	0.011	0.06	0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
100565	Soil	10	30	1.02	195	0.120	<1	2.19	0.012	0.07	<0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
100566	Soil	15	35	1.03	304	0.114	2	1.96	0.016	0.09	0.1	0.04	5.3	<0.1	<0.05	6	<0.5	<0.2
100567	Soil	5	14	1.18	245	0.122	1	2.03	0.013	0.21	<0.1	0.02	7.0	<0.1	<0.05	8	0.6	<0.2
100568	Soil	8	36	0.71	181	0.092	2	2.66	0.011	0.09	0.1	0.03	4.5	0.1	<0.05	7	<0.5	<0.2
100569	Soil	16	29	0.74	317	0.098	2	1.71	0.017	0.09	0.1	0.05	6.8	<0.1	<0.05	5	0.7	<0.2
100570	Soil	8	27	0.91	154	0.120	2	1.94	0.011	0.10	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
100571	Soil	9	32	0.65	179	0.097	2	2.19	0.011	0.08	0.2	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
100572	Soil	8	25	1.33	181	0.155	2	1.96	0.012	0.25	<0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
100573	Soil	8	28	0.59	125	0.098	2	2.06	0.009	0.07	0.1	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
100574	Soil	8	28	0.67	227	0.093	2	2.00	0.011	0.06	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
100575	Soil	18	22	0.44	256	0.083	2	1.26	0.018	0.07	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
100576	Soil	19	32	0.59	333	0.090	1	1.62	0.017	0.06	0.1	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
100577	Soil	37	38	0.55	635	0.066	2	2.44	0.018	0.06	0.1	0.07	6.1	<0.1	<0.05	7	0.6	<0.2
100578	Soil	16	30	0.57	229	0.088	2	1.95	0.012	0.07	0.1	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
100579	Soil	25	21	0.29	279	0.030	1	1.21	0.015	0.04	<0.1	0.05	1.9	<0.1	<0.05	4	0.6	<0.2
100580	Soil	36	24	0.35	410	0.040	1	1.71	0.013	0.07	<0.1	0.05	3.2	<0.1	<0.05	5	<0.5	<0.2
100581	Soil	31	27	0.32	337	0.045	2	1.17	0.013	0.06	<0.1	0.12	5.6	<0.1	<0.05	4	<0.5	0.6
100582	Soil	19	23	0.74	395	0.071	3	1.77	0.018	0.10	<0.1	0.05	7.2	<0.1	<0.05	5	<0.5	<0.2
100583	Soil	19	27	0.62	418	0.072	2	1.81	0.017	0.07	0.1	0.05	5.5	<0.1	<0.05	5	<0.5	<0.2
100584	Soil	13	19	0.53	280	0.047	3	1.41	0.017	0.07	0.1	0.04	7.4	<0.1	<0.05	5	<0.5	<0.2
124393	Soil	10	39	0.88	193	0.109	1	2.22	0.011	0.11	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
124394	Soil	5	9	0.07	92	0.051	1	0.57	0.014	0.02	<0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
124395	Soil	3	12	0.09	82	0.017	<1	0.52	0.014	0.03	<0.1	0.04	0.3	<0.1	<0.05	2	<0.5	<0.2
124396	Soil	9	30	0.58	147	0.080	2	1.91	0.010	0.05	0.1	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2
124397	Soil	15	38	0.70	247	0.086	3	2.46	0.011	0.08	0.1	0.04	3.8	<0.1	<0.05	7	0.6	<0.2
124398	Soil	8	18	0.23	171	0.058	2	1.35	0.010	0.05	<0.1	0.03	1.6	<0.1	<0.05	7	<0.5	<0.2
124399	Soil	52	47	0.66	438	0.073	2	3.26	0.015	0.11	0.1	0.05	5.8	0.1	<0.05	11	0.8	<0.2
124400	Soil	12	36	0.55	253	0.059	2	2.18	0.011	0.05	0.1	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
124401	Soil	1.1	37.6	10.6	48	0.2	19.3	11.0	288	2.80	5.8	0.8	3.0	0.5	18	0.1	0.3	0.2	60	0.20	0.052
124402	Soil	0.6	40.0	9.3	23	0.2	10.2	3.8	96	1.71	3.6	0.9	0.9	0.3	14	0.2	0.2	0.2	35	0.12	0.134
124403	Soil	1.1	36.0	8.0	50	0.2	23.6	13.4	282	3.02	12.7	0.9	2.1	2.0	20	<0.1	0.4	0.2	65	0.27	0.049
124404	Soil	0.9	32.8	7.8	45	<0.1	22.1	12.8	301	2.96	6.6	0.5	1.1	2.3	18	<0.1	0.3	0.1	76	0.25	0.035
124405	Soil	1.1	67.3	5.9	39	0.3	22.0	10.8	204	2.14	4.0	1.8	1.4	1.7	27	<0.1	0.2	0.1	48	0.46	0.061
124406	Soil	0.8	21.3	8.5	47	<0.1	17.7	8.6	259	2.32	5.8	0.6	2.1	2.9	14	0.1	0.3	0.1	54	0.18	0.045
124407	Soil	0.8	32.5	10.1	59	0.2	23.0	12.0	251	2.94	6.0	1.1	1.7	2.7	23	<0.1	0.3	0.2	61	0.32	0.058
124408	Soil	0.8	25.6	11.3	77	<0.1	24.0	14.0	379	3.64	6.8	1.0	2.7	5.0	16	0.1	0.3	0.2	73	0.19	0.035
124409	Soil	0.4	17.0	8.2	64	0.2	17.1	8.2	197	2.15	3.8	0.9	1.9	2.1	30	0.2	0.2	0.1	44	0.44	0.052
124410	Soil	0.6	23.9	9.2	67	0.1	21.0	11.4	230	2.82	6.8	1.1	2.9	3.9	22	0.2	0.4	0.1	63	0.27	0.058
124411	Soil	0.8	15.1	8.1	58	<0.1	15.5	8.3	191	2.75	7.0	0.8	4.7	2.5	18	0.1	0.4	0.1	65	0.23	0.049
124412	Soil	0.5	22.0	8.0	58	<0.1	16.8	8.4	170	2.48	6.8	0.9	1.1	2.8	17	0.2	0.3	0.1	55	0.22	0.053
124413	Soil	0.6	14.8	7.8	57	<0.1	14.8	7.5	168	2.36	5.9	0.6	2.2	1.5	19	0.1	0.2	0.1	58	0.23	0.049
124414	Soil	0.9	24.6	8.1	66	<0.1	16.5	14.1	451	3.31	5.8	0.4	1.7	2.6	14	<0.1	0.3	0.1	82	0.20	0.031
124415	Soil	1.0	12.1	10.3	42	<0.1	10.7	5.4	222	2.61	7.9	0.4	2.3	1.7	11	0.2	0.4	0.2	69	0.11	0.029
124416	Soil	1.7	11.2	12.4	56	<0.1	8.3	4.8	228	2.62	8.2	0.4	3.9	2.2	11	0.2	0.4	0.2	72	0.09	0.030
124417	Soil	1.5	45.2	28.7	96	0.6	23.0	10.4	333	3.30	10.1	0.6	163.6	3.8	19	0.3	0.7	0.2	68	0.16	0.024
124418	Soil	0.9	21.7	13.6	97	0.1	17.1	10.3	397	2.94	5.8	0.8	78.5	3.8	12	0.2	0.6	0.2	50	0.16	0.032
124419	Soil	1.6	22.6	11.5	90	0.7	13.3	8.3	513	2.38	3.5	1.0	103.7	2.3	39	0.3	0.4	0.2	37	0.80	0.055
124420	Soil	1.2	19.1	10.4	67	0.2	16.4	9.7	392	2.32	5.3	0.9	26.1	1.5	40	0.2	0.4	0.1	49	0.61	0.055
124421	Soil	0.8	17.3	11.6	66	0.3	14.1	7.7	323	2.12	4.2	0.7	30.7	1.4	29	0.2	0.3	0.1	46	0.41	0.055
124422	Soil	0.7	21.2	9.5	76	0.2	18.0	9.8	371	2.41	5.1	0.8	34.9	2.9	30	0.3	0.4	0.1	50	0.50	0.056
124423	Soil	0.7	24.7	7.7	56	0.1	32.4	13.3	504	2.69	4.7	1.0	3.4	2.4	31	0.2	0.4	0.2	60	0.76	0.054
101939	Soil	0.7	31.5	6.2	49	<0.1	22.7	19.2	467	3.25	4.8	0.3	1.7	1.4	12	0.2	0.2	0.2	91	0.21	0.045
101940	Soil	0.6	35.1	5.9	56	<0.1	25.4	18.6	475	3.29	4.7	0.3	4.1	1.6	15	0.1	0.2	0.1	98	0.26	0.042
101941	Soil	0.8	22.9	8.1	61	<0.1	20.6	11.5	385	3.07	9.3	0.6	3.9	2.8	19	0.2	0.4	0.1	69	0.24	0.051
101942	Soil	0.7	23.7	7.1	50	<0.1	18.3	9.0	289	2.68	6.6	0.9	2.0	4.2	14	0.2	0.4	0.1	50	0.18	0.033
101943	Soil	1.0	10.1	10.0	22	<0.1	7.7	3.4	100	2.06	6.7	0.4	1.5	0.5	14	<0.1	0.4	0.2	67	0.13	0.033
101944	Soil	1.3	16.1	8.2	31	<0.1	9.0	5.0	199	2.08	6.0	0.3	2.9	0.9	10	0.1	0.4	0.2	69	0.09	0.024
101945	Soil	0.9	19.2	8.1	45	<0.1	17.5	7.0	180	3.11	8.0	0.5	2.6	0.5	14	0.3	0.4	0.2	60	0.15	0.045



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
124401	Soil	12	36	0.51	363	0.044	2	1.72	0.011	0.05	<0.1	0.04	2.8	<0.1	<0.05	6	0.6	<0.2
124402	Soil	9	23	0.18	174	0.022	3	1.25	0.015	0.04	<0.1	0.04	1.0	<0.1	<0.05	4	<0.5	<0.2
124403	Soil	13	40	0.68	256	0.066	2	2.12	0.016	0.06	<0.1	0.05	3.9	0.1	<0.05	5	0.6	<0.2
124404	Soil	9	40	0.73	188	0.112	2	1.86	0.014	0.07	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
124405	Soil	16	35	0.66	263	0.070	1	1.56	0.013	0.12	<0.1	0.06	3.3	0.1	<0.05	4	0.7	<0.2
124406	Soil	10	29	0.44	155	0.070	1	1.60	0.011	0.05	<0.1	0.03	2.7	<0.1	<0.05	5	0.5	<0.2
124407	Soil	18	41	0.70	321	0.094	2	2.07	0.012	0.10	0.1	0.04	4.6	<0.1	<0.05	6	0.5	<0.2
124408	Soil	18	51	0.84	213	0.131	2	2.85	0.012	0.10	<0.1	0.03	4.4	0.1	<0.05	8	<0.5	<0.2
124409	Soil	16	36	0.56	288	0.089	1	1.78	0.012	0.08	0.1	0.07	4.0	<0.1	<0.05	6	<0.5	<0.2
124410	Soil	15	37	0.66	251	0.111	1	1.88	0.012	0.08	0.1	0.05	4.3	0.1	<0.05	6	<0.5	<0.2
124411	Soil	10	32	0.56	160	0.093	1	1.65	0.011	0.06	0.1	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2
124412	Soil	13	30	0.55	198	0.078	2	1.69	0.010	0.06	<0.1	0.04	3.5	<0.1	<0.05	5	<0.5	<0.2
124413	Soil	9	29	0.59	139	0.088	2	1.68	0.011	0.06	0.1	0.04	2.7	<0.1	<0.05	6	<0.5	<0.2
124414	Soil	8	27	0.69	117	0.111	2	1.82	0.016	0.07	<0.1	<0.01	4.0	<0.1	<0.05	7	<0.5	<0.2
124415	Soil	8	24	0.34	103	0.083	2	1.53	0.008	0.05	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
124416	Soil	8	23	0.23	153	0.051	3	1.46	0.007	0.04	<0.1	0.02	2.1	<0.1	<0.05	8	<0.5	<0.2
124417	Soil	10	38	0.54	409	0.079	3	2.58	0.035	0.13	0.3	0.08	5.3	0.1	<0.05	7	0.6	0.5
124418	Soil	10	29	0.48	238	0.045	2	1.80	0.011	0.06	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	0.5
124419	Soil	15	21	0.41	495	0.046	2	1.29	0.016	0.07	0.1	0.05	5.2	<0.1	<0.05	4	<0.5	0.4
124420	Soil	11	25	0.48	399	0.048	2	1.60	0.013	0.05	0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
124421	Soil	11	25	0.45	302	0.056	2	1.42	0.017	0.06	0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
124422	Soil	14	26	0.52	296	0.077	2	1.53	0.020	0.06	0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
124423	Soil	11	86	0.77	352	0.051	2	1.79	0.020	0.05	0.1	0.03	5.1	<0.1	<0.05	5	0.6	<0.2
101939	Soil	6	38	1.07	169	0.098	1	2.11	0.015	0.13	<0.1	0.01	6.1	<0.1	<0.05	6	<0.5	<0.2
101940	Soil	7	49	1.30	218	0.115	2	2.27	0.017	0.18	<0.1	0.01	7.0	<0.1	<0.05	6	<0.5	<0.2
101941	Soil	12	32	0.63	201	0.105	2	2.06	0.017	0.09	<0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
101942	Soil	18	28	0.54	158	0.090	<1	1.92	0.011	0.08	<0.1	0.02	4.7	<0.1	<0.05	6	0.6	<0.2
101943	Soil	7	22	0.22	59	0.055	<1	1.15	0.009	0.03	<0.1	0.04	1.4	<0.1	<0.05	7	<0.5	<0.2
101944	Soil	5	19	0.24	88	0.081	2	1.05	0.013	0.03	<0.1	0.02	1.7	<0.1	<0.05	7	<0.5	<0.2
101945	Soil	9	31	0.47	140	0.060	2	1.92	0.010	0.06	<0.1	0.04	2.5	<0.1	<0.05	6	<0.5	<0.2



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Project: BALLARAT

Report Date: November 14, 2011

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CERTIFICATE OF ANALYSIS

DAW11000285.1

	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
101946	Soil	1.1	19.7	11.6	67	<0.1	24.2	12.1	344	3.48	11.4	0.5	1.2	2.6	15	0.2	0.5	0.2	62	0.17	0.031
101947	Soil	0.9	102.2	6.3	131	<0.1	24.4	20.0	504	4.69	9.8	0.6	2.2	2.8	10	0.1	0.5	0.1	95	0.12	0.021
101948	Soil	0.8	22.4	7.0	48	0.1	22.5	11.1	356	2.55	7.2	0.5	5.8	1.0	11	0.1	0.3	0.1	65	0.17	0.031
101949	Soil	0.7	20.8	6.5	49	<0.1	26.4	13.0	348	2.80	7.4	0.5	3.8	2.1	15	<0.1	0.3	0.1	71	0.23	0.040
101950	Soil	0.8	23.7	6.6	42	<0.1	18.3	9.2	305	2.38	7.5	0.5	0.7	1.1	15	<0.1	0.3	0.1	57	0.22	0.039
101951	Soil	0.8	16.6	5.5	33	<0.1	11.4	5.0	114	1.63	4.8	0.4	3.2	0.1	10	<0.1	0.2	0.1	42	0.12	0.045
101952	Soil	1.0	19.4	6.8	48	<0.1	18.8	9.4	262	2.40	7.5	0.4	4.7	0.5	13	<0.1	0.3	0.1	57	0.17	0.040
101953	Soil	1.0	21.1	7.9	43	<0.1	17.7	7.3	195	2.62	8.0	0.5	7.6	1.6	13	0.1	0.3	0.1	61	0.14	0.023
101954	Soil	1.3	17.4	8.9	41	<0.1	14.7	6.8	200	2.63	7.9	0.5	4.5	1.0	12	0.1	0.4	0.2	62	0.13	0.041
101955	Soil	2.1	22.1	7.6	37	0.2	13.2	5.6	146	2.23	5.1	0.7	5.1	1.8	13	<0.1	0.3	0.2	54	0.14	0.024
101956	Soil	0.9	18.9	7.1	48	<0.1	20.3	9.6	219	2.77	7.5	0.6	8.6	3.7	14	0.1	0.3	0.1	56	0.20	0.030
101957	Soil	1.2	14.0	7.1	38	0.2	14.5	6.1	351	2.14	6.0	0.4	3.4	1.0	19	0.1	0.2	0.1	54	0.22	0.036
101958	Soil	1.1	24.6	7.8	43	0.2	18.0	7.8	303	2.34	6.1	1.3	7.8	2.0	19	0.1	0.3	0.1	50	0.23	0.049
101959	Soil	1.2	27.0	9.8	49	0.2	18.1	8.2	310	2.75	7.2	1.1	29.5	3.1	21	0.3	0.4	0.2	58	0.25	0.056
101960	Soil	1.4	11.5	8.8	41	0.1	13.2	5.5	264	1.81	6.4	0.4	2.2	1.8	19	0.2	0.4	0.2	51	0.25	0.031
101961	Soil	1.3	14.5	8.4	45	<0.1	14.7	6.3	202	2.53	7.6	0.5	2.8	2.1	18	0.2	0.5	0.2	69	0.25	0.030
101962	Soil	1.2	17.5	9.4	55	<0.1	19.4	11.4	478	3.02	9.9	0.6	7.0	3.4	18	0.2	0.6	0.1	68	0.28	0.038
101963	Soil	0.9	16.5	8.6	50	<0.1	19.5	8.9	274	2.70	8.1	0.5	4.0	3.2	17	0.1	0.5	0.1	61	0.25	0.030
101964	Soil	1.0	17.9	8.8	48	<0.1	18.7	9.1	298	2.79	8.5	0.6	1.8	3.6	19	<0.1	0.5	0.1	63	0.23	0.025
101965	Soil	0.8	18.6	8.5	53	<0.1	18.5	9.3	252	2.95	8.3	0.6	4.4	3.6	19	<0.1	0.5	0.1	65	0.26	0.030



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Project: BALLARAT

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CERTIFICATE OF ANALYSIS

DAW11000285.1

	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
101946	Soil	8	32	0.64	149	0.099	2	2.12	0.012	0.11	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
101947	Soil	8	40	1.26	118	0.101	3	2.78	0.013	0.10	<0.1	0.02	8.7	0.1	<0.05	8	<0.5	<0.2
101948	Soil	7	40	0.71	184	0.072	<1	1.68	0.008	0.07	0.1	0.02	2.2	0.1	<0.05	6	0.7	<0.2
101949	Soil	9	42	0.90	194	0.095	<1	1.84	0.008	0.07	0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
101950	Soil	9	28	0.50	139	0.057	<1	1.57	0.009	0.04	0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
101951	Soil	6	20	0.29	96	0.028	<1	1.06	0.010	0.04	<0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
101952	Soil	8	30	0.50	122	0.041	<1	1.56	0.008	0.05	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
101953	Soil	8	28	0.48	132	0.061	<1	1.66	0.008	0.04	0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
101954	Soil	11	27	0.37	150	0.051	<1	1.48	0.008	0.05	0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
101955	Soil	12	24	0.36	161	0.063	<1	1.53	0.008	0.05	0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
101956	Soil	10	31	0.57	162	0.071	<1	2.02	0.009	0.06	0.2	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
101957	Soil	7	26	0.33	180	0.059	<1	1.22	0.010	0.08	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
101958	Soil	21	27	0.37	268	0.055	<1	1.64	0.011	0.07	0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
101959	Soil	23	30	0.37	333	0.064	<1	1.97	0.011	0.09	0.2	0.06	4.4	<0.1	<0.05	7	<0.5	<0.2
101960	Soil	12	23	0.33	259	0.075	<1	1.22	0.010	0.08	0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
101961	Soil	10	26	0.41	213	0.082	<1	1.54	0.010	0.08	0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
101962	Soil	11	32	0.57	272	0.073	<1	1.90	0.009	0.07	0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
101963	Soil	9	31	0.56	225	0.073	<1	1.70	0.011	0.05	0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
101964	Soil	10	32	0.55	246	0.070	<1	1.87	0.010	0.05	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
101965	Soil	12	33	0.63	283	0.079	<1	1.91	0.011	0.05	0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

DAW11000285.1

	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	%
Pulp Duplicates		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
129335	Soil	0.8	19.0	15.4	119	<0.1	4.2	6.3	600	3.10	3.5	0.4	0.6	1.9	5	0.1	0.1	0.2	36	0.07
REP 129335	QC	0.7	19.6	15.8	133	<0.1	5.0	6.8	681	3.35	3.8	0.5	<0.5	2.1	6	0.1	<0.1	0.1	40	0.08
129339	Soil	0.7	24.8	6.3	68	<0.1	20.1	10.9	419	2.92	6.1	0.6	2.3	3.1	26	<0.1	0.3	0.1	69	0.37
REP 129339	QC	0.6	25.0	5.8	67	<0.1	20.0	11.3	421	2.91	5.8	0.6	4.0	3.0	25	<0.1	0.3	0.1	68	0.36
129365	Soil	1.5	37.3	11.5	82	<0.1	22.0	10.7	393	3.15	5.3	1.1	4.1	8.5	26	<0.1	0.5	0.4	48	0.32
REP 129365	QC	1.4	39.2	11.5	84	<0.1	22.6	11.0	406	3.23	5.1	1.2	3.0	8.6	27	<0.1	0.5	0.3	50	0.32
106684	Soil	0.7	36.3	8.3	64	<0.1	24.7	12.5	406	3.13	8.0	1.1	2.5	4.3	30	<0.1	0.6	0.2	71	0.29
REP 106684	QC	0.8	35.9	8.3	67	<0.1	24.5	13.0	406	3.16	8.1	1.1	2.0	4.6	30	<0.1	0.6	0.2	71	0.28
103910	Soil	2.2	117.6	6.4	58	0.3	17.4	12.9	675	2.46	5.0	1.0	3.5	2.3	26	<0.1	0.3	<0.1	59	0.53
REP 103910	QC	2.5	119.4	6.1	59	0.3	17.2	12.7	670	2.50	4.5	0.9	2.0	2.2	26	0.2	0.4	<0.1	59	0.53
103920	Soil	0.8	22.1	9.9	20	<0.1	12.3	5.4	71	2.37	5.4	1.2	1.6	1.1	11	<0.1	0.2	0.1	47	0.09
REP 103920	QC	0.9	22.6	10.3	21	<0.1	12.7	5.4	69	2.41	4.8	1.2	2.2	1.0	11	<0.1	0.2	0.1	48	0.10
102969	Soil	0.8	14.6	9.0	46	<0.1	10.7	14.8	615	4.49	7.3	0.9	10.1	4.6	8	0.1	0.6	0.1	95	0.16
REP 102969	QC	0.8	14.2	9.0	48	<0.1	11.0	14.1	611	4.42	7.4	0.9	19.7	4.3	9	0.1	0.6	0.1	97	0.16
101913	Soil	1.6	20.4	99.5	67	0.1	18.3	7.6	231	3.98	13.3	0.5	5.0	2.4	13	0.9	0.7	0.6	74	0.14
REP 101913	QC	1.5	19.5	98.2	65	0.1	17.0	7.4	221	3.85	12.6	0.5	5.5	2.2	12	0.9	0.7	0.6	70	0.13
101922	Soil	1.3	16.8	10.7	50	<0.1	16.7	8.5	267	3.39	7.6	0.4	2.0	2.3	15	<0.1	0.4	0.2	77	0.19
REP 101922	QC	1.2	16.6	11.4	53	<0.1	16.3	8.3	268	3.46	7.6	0.4	0.9	2.3	15	0.1	0.5	0.2	77	0.19
145547	Soil	1.0	46.1	8.9	64	0.2	19.6	14.5	717	3.56	7.5	0.7	0.6	2.6	20	0.1	0.4	0.2	81	0.27
REP 145547	QC	1.3	47.8	8.4	63	0.2	18.9	14.5	740	3.53	7.1	0.7	1.6	2.7	21	0.1	0.4	0.1	79	0.25
145565	Soil	0.6	30.0	5.8	59	<0.1	26.2	18.3	539	4.32	7.0	0.6	3.1	2.4	23	<0.1	0.4	<0.1	110	0.40
REP 145565	QC	0.7	29.4	5.6	58	<0.1	26.3	18.0	532	4.23	7.0	0.5	2.0	2.4	22	<0.1	0.4	<0.1	111	0.40
132121	Soil	0.8	32.4	9.8	74	0.2	22.4	14.6	587	3.23	7.0	0.8	1.8	3.1	27	0.1	0.4	0.1	75	0.38
REP 132121	QC	0.9	32.0	9.4	74	0.2	22.2	14.8	587	3.22	7.0	0.8	1.8	3.1	27	0.1	0.4	0.1	73	0.38
100558	Soil	0.8	21.8	9.1	57	<0.1	23.8	14.2	479	3.32	9.5	0.6	4.1	3.3	20	0.1	0.4	0.2	82	0.30
REP 100558	QC	0.8	20.9	8.9	55	<0.1	22.3	13.4	462	3.18	9.2	0.6	1.9	3.3	19	<0.1	0.5	0.2	78	0.29
100581	Soil	0.6	15.8	14.1	50	<0.1	19.3	7.9	257	2.25	4.2	0.8	7.7	2.5	19	0.1	0.4	0.1	54	0.34
REP 100581	QC	0.6	15.3	13.7	47	<0.1	17.8	7.9	252	2.22	3.9	0.8	8.1	2.5	18	0.2	0.3	0.1	52	0.33



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203 - 680 Third Ave.

Val D'Or QC J9P 1S5 Canada

Project: BALLARAT

Report Date: November 14, 2011

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QUALITY CONTROL REPORT

DAW11000285.1

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																		
129335	Soil	7	8	0.55	126	0.155	<1	1.54	0.008	0.45	<0.1	0.01	3.6	0.2	<0.05	10	<0.5	<0.2
REP 129335	QC	8	9	0.58	139	0.166	<1	1.62	0.009	0.54	<0.1	<0.01	4.4	0.2	<0.05	12	<0.5	<0.2
129339	Soil	12	31	0.80	328	0.117	1	1.78	0.012	0.15	<0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
REP 129339	QC	13	32	0.77	331	0.114	1	1.78	0.011	0.16	0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
129365	Soil	33	28	0.59	676	0.036	<1	1.78	0.012	0.07	0.1	0.01	6.3	0.1	<0.05	5	0.5	<0.2
REP 129365	QC	33	29	0.57	685	0.033	<1	1.76	0.011	0.07	<0.1	0.01	6.4	0.1	<0.05	5	<0.5	<0.2
106684	Soil	22	42	0.74	280	0.108	1	2.19	0.016	0.06	<0.1	0.03	6.3	0.1	<0.05	6	<0.5	<0.2
REP 106684	QC	22	42	0.73	284	0.107	<1	2.15	0.016	0.06	<0.1	0.03	6.7	0.1	<0.05	6	<0.5	<0.2
103910	Soil	10	27	0.88	226	0.091	1	1.83	0.010	0.15	0.1	0.05	4.2	0.1	0.06	5	<0.5	<0.2
REP 103910	QC	10	28	0.92	229	0.089	2	1.81	0.010	0.14	0.1	0.03	4.2	0.1	0.07	6	0.7	<0.2
103920	Soil	20	33	0.30	182	0.061	<1	2.01	0.010	0.06	<0.1	0.04	3.1	0.1	<0.05	6	<0.5	<0.2
REP 103920	QC	19	34	0.31	179	0.061	<1	2.01	0.010	0.06	<0.1	0.04	3.0	0.1	<0.05	6	<0.5	<0.2
102969	Soil	13	18	0.67	272	0.008	3	1.85	0.006	0.06	0.1	0.02	7.5	<0.1	<0.05	5	<0.5	<0.2
REP 102969	QC	13	19	0.69	272	0.010	2	1.83	0.009	0.06	<0.1	0.02	7.8	<0.1	<0.05	5	<0.5	<0.2
101913	Soil	8	34	0.41	219	0.051	1	2.26	0.007	0.04	0.1	0.05	2.8	<0.1	<0.05	7	<0.5	<0.2
REP 101913	QC	8	34	0.40	222	0.044	<1	2.12	0.007	0.04	0.1	0.05	2.7	<0.1	<0.05	7	<0.5	<0.2
101922	Soil	7	31	0.49	209	0.071	1	2.14	0.013	0.07	<0.1	0.02	3.2	<0.1	<0.05	8	<0.5	<0.2
REP 101922	QC	7	33	0.49	212	0.074	1	2.27	0.014	0.07	<0.1	0.02	3.3	<0.1	<0.05	8	<0.5	<0.2
145547	Soil	9	33	0.82	209	0.136	2	2.36	0.012	0.18	<0.1	0.03	3.5	0.2	<0.05	8	<0.5	<0.2
REP 145547	QC	9	33	0.85	206	0.132	2	2.48	0.013	0.17	<0.1	0.02	3.5	0.1	<0.05	8	<0.5	<0.2
145565	Soil	9	51	1.08	245	0.064	1	2.31	0.025	0.06	<0.1	0.02	8.6	<0.1	<0.05	8	<0.5	<0.2
REP 145565	QC	8	51	1.07	235	0.062	1	2.28	0.022	0.06	<0.1	0.03	8.2	<0.1	<0.05	8	<0.5	<0.2
132121	Soil	15	34	0.78	355	0.096	1	2.10	0.018	0.10	0.1	0.03	5.0	<0.1	<0.05	6	0.6	<0.2
REP 132121	QC	14	33	0.77	341	0.094	1	2.10	0.017	0.10	<0.1	0.04	5.0	0.1	<0.05	6	0.5	<0.2
100558	Soil	10	35	0.78	207	0.069	2	2.40	0.012	0.05	0.1	0.02	4.6	<0.1	<0.05	7	0.5	<0.2
REP 100558	QC	10	32	0.74	204	0.063	1	2.28	0.010	0.04	0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
100581	Soil	31	27	0.32	337	0.045	2	1.17	0.013	0.06	<0.1	0.12	5.6	<0.1	<0.05	4	<0.5	0.6
REP 100581	QC	30	26	0.32	329	0.037	2	1.12	0.011	0.06	<0.1	0.12	5.5	<0.1	<0.05	4	0.5	0.5



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Project:

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Page:

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Part 1

QUALITY CONTROL REPORT

DAW11000285.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
124412	Soil	0.5	22.0	8.0	58	<0.1	16.8	8.4	170	2.48	6.8	0.9	1.1	2.8	17	0.2	0.3	0.1	55	0.22
REP 124412	QC	0.6	23.3	8.5	59	<0.1	19.0	9.5	192	2.79	7.1	1.0	1.6	3.0	19	0.1	0.4	0.1	62	0.26
101946	Soil	1.1	19.7	11.6	67	<0.1	24.2	12.1	344	3.48	11.4	0.5	1.2	2.6	15	0.2	0.5	0.2	62	0.17
REP 101946	QC	1.2	19.5	11.8	70	<0.1	24.9	12.1	348	3.57	11.6	0.5	2.7	2.7	14	0.2	0.5	0.2	61	0.17
101961	Soil	1.3	14.5	8.4	45	<0.1	14.7	6.3	202	2.53	7.6	0.5	2.8	2.1	18	0.2	0.5	0.2	69	0.25
REP 101961	QC	1.5	14.3	8.4	46	<0.1	14.9	6.1	203	2.48	8.2	0.5	2.6	2.2	18	0.3	0.6	0.1	65	0.23
Reference Materials																				
STD DS8	Standard	13.8	118.9	130.7	307	1.7	39.6	7.9	638	2.54	27.0	3.0	165.0	7.7	79	2.5	6.3	7.5	44	0.71
STD DS8	Standard	13.3	114.7	125.5	336	1.8	39.3	7.8	611	2.50	23.2	2.8	100.6	7.0	81	2.2	7.8	10.1	43	0.66
STD DS8	Standard	12.2	102.6	108.1	281	1.6	34.2	7.0	526	2.25	22.6	2.2	110.7	5.7	56	2.2	4.7	5.2	39	0.60
STD DS8	Standard	12.8	112.6	134.1	333	1.9	38.6	7.6	644	2.63	26.9	2.5	116.2	6.1	63	2.5	5.6	6.4	42	0.67
STD DS8	Standard	11.3	102.1	112.6	292	1.7	35.0	7.2	578	2.35	24.6	2.5	103.2	6.1	52	2.0	4.5	6.0	41	0.61
STD DS8	Standard	12.1	107.9	117.6	307	1.6	37.4	7.4	593	2.31	24.8	2.5	106.6	6.2	58	1.8	4.6	6.2	41	0.61
STD DS8	Standard	13.4	108.3	122.5	302	1.7	38.0	7.7	605	2.45	25.5	2.8	105.5	6.9	67	2.7	5.7	6.3	43	0.67
STD DS8	Standard	13.0	103.1	123.8	318	1.9	35.7	7.6	641	2.60	24.9	2.8	108.6	6.6	73	2.4	5.9	6.8	42	0.70
STD DS8	Standard	12.8	106.6	123.4	296	1.8	35.7	7.3	585	2.32	24.4	2.9	119.0	6.9	68	2.3	5.7	6.5	41	0.67
STD DS8	Standard	12.7	102.1	120.2	288	1.7	34.6	7.0	563	2.26	24.6	2.7	113.6	6.6	67	2.2	5.3	6.2	40	0.65
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	0.06	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Project: BALLARAT

Report Date: November 14, 2011

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QUALITY CONTROL REPORT

DAW11000285.1

		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
124412	Soil	13	30	0.55	198	0.078	2	1.69	0.010	0.06	<0.1	0.04	3.5	<0.1	<0.05	5	<0.5	<0.2
REP 124412	QC	14	33	0.59	214	0.093	2	1.83	0.011	0.07	0.1	0.05	3.8	0.1	<0.05	6	0.7	<0.2
101946	Soil	8	32	0.64	149	0.099	2	2.12	0.012	0.11	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
REP 101946	QC	7	33	0.64	150	0.094	2	2.11	0.011	0.11	0.1	0.03	3.3	<0.1	<0.05	7	<0.5	<0.2
101961	Soil	10	26	0.41	213	0.082	<1	1.54	0.010	0.08	0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
REP 101961	QC	10	25	0.45	220	0.077	<1	1.52	0.009	0.07	0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	17	123	0.61	288	0.139	2	0.97	0.106	0.42	3.1	0.20	2.9	5.6	0.17	5	4.9	4.6
STD DS8	Standard	16	120	0.60	264	0.137	3	0.90	0.086	0.40	2.9	0.19	2.6	5.5	0.16	5	5.1	4.6
STD DS8	Standard	13	103	0.56	256	0.095	3	0.82	0.079	0.36	2.7	0.16	2.1	4.9	0.05	4	4.6	4.4
STD DS8	Standard	13	121	0.63	288	0.114	3	0.92	0.096	0.43	3.2	0.20	2.2	5.9	0.17	5	5.4	5.3
STD DS8	Standard	12	113	0.59	236	0.093	3	0.83	0.074	0.36	2.6	0.18	2.1	5.1	0.18	4	3.5	5.3
STD DS8	Standard	13	113	0.57	261	0.095	1	0.82	0.080	0.38	2.9	0.18	2.2	5.2	0.15	4	4.1	5.0
STD DS8	Standard	16	116	0.61	282	0.117	3	0.93	0.108	0.42	2.8	0.19	2.4	5.4	0.14	5	5.1	5.0
STD DS8	Standard	16	116	0.61	277	0.121	3	0.93	0.109	0.45	2.9	0.21	2.5	5.6	0.14	5	5.2	5.2
STD DS8	Standard	16	111	0.60	282	0.118	2	0.93	0.100	0.41	2.9	0.20	2.4	5.4	0.12	5	5.4	5.0
STD DS8	Standard	16	106	0.58	284	0.113	3	0.89	0.096	0.41	2.7	0.20	2.3	5.3	0.15	4	4.7	4.8
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Mark Fekete

Receiving Lab: Canada-Dawson City

Received: September 06, 2011

Report Date: November 20, 2011

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CERTIFICATE OF ANALYSIS

DAW11000286.1

CLIENT JOB INFORMATION

Project: BALLARAT
Shipment ID: 20110815144215
P.O. Number
Number of Samples: 319

SAMPLE DISPOSAL

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

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

Invoice To: Stakeholder Gold Corp.
203 - 680 Third Ave.
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



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



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Project: BALLARAT
Report Date: November 20, 2011

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CERTIFICATE OF ANALYSIS

DAW11000286.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
101966	Soil					0.7	42.0	6.7	61	<0.1	18.0	12.3	292	2.93	5.8	0.6	4.5	3.6	20	<0.1	0.4	<0.1	67	0.25	0.033
101967	Soil					0.7	29.3	8.0	51	<0.1	17.2	9.6	215	2.75	7.9	0.7	3.0	3.3	18	<0.1	0.3	0.1	65	0.23	0.027
101968	Soil					1.0	35.1	9.2	56	0.1	18.2	9.5	340	3.18	9.0	0.7	1.8	2.5	18	<0.1	0.4	0.2	76	0.23	0.035
101969	Soil					0.6	18.6	6.8	40	<0.1	15.4	8.4	214	2.15	5.3	0.5	3.9	3.1	17	<0.1	0.3	<0.1	49	0.26	0.034
101970	Soil					0.5	18.9	5.7	41	<0.1	13.5	9.0	244	2.10	5.1	0.5	8.3	3.1	18	<0.1	0.3	<0.1	50	0.29	0.037
101971	Soil					0.5	18.5	2.8	53	<0.1	7.7	8.2	273	2.46	2.8	0.4	7.6	2.7	13	<0.1	0.2	<0.1	40	0.24	0.054
101972	Soil					0.8	15.1	6.6	44	<0.1	12.9	8.3	227	2.31	6.1	0.5	0.9	2.5	15	0.1	0.2	<0.1	54	0.24	0.037
115646	Soil					0.6	47.6	3.2	48	<0.1	7.9	18.2	653	3.94	3.1	0.3	<0.5	1.2	14	<0.1	0.4	<0.1	123	0.59	0.030
115647	Soil					0.8	30.4	3.9	50	<0.1	8.1	16.8	547	4.20	4.2	0.3	<0.5	1.2	11	<0.1	0.7	<0.1	87	0.26	0.036
115648	Soil					1.1	94.7	5.1	72	<0.1	12.7	19.2	577	4.27	5.3	0.2	0.5	1.1	19	<0.1	0.6	<0.1	107	0.55	0.095
115649	Soil					1.2	20.9	7.2	52	<0.1	13.8	9.2	202	3.38	10.8	0.4	0.7	2.2	15	<0.1	0.6	0.1	85	0.20	0.025
115650	Soil					0.6	38.9	6.6	75	0.1	15.6	16.7	878	3.72	5.7	1.0	3.7	3.8	21	0.1	0.6	0.2	84	0.56	0.046
115651	Soil					0.3	23.0	3.2	134	<0.1	7.2	15.2	857	3.75	2.4	0.5	0.8	2.2	15	<0.1	0.3	0.8	83	0.60	0.080
115652	Soil					0.6	24.4	6.4	67	<0.1	8.7	13.4	609	4.52	2.5	0.7	<0.5	5.5	11	<0.1	0.4	0.2	66	0.26	0.044
115653	Soil					0.7	49.9	5.2	48	<0.1	23.8	13.7	359	3.21	5.6	0.6	1.1	2.6	19	<0.1	0.3	<0.1	74	0.37	0.025
115654	Soil					1.0	46.6	7.8	49	<0.1	12.8	11.8	462	3.14	4.3	0.3	1.8	1.5	16	<0.1	0.2	0.1	86	0.31	0.043
115655	Soil					0.5	40.7	3.1	69	<0.1	8.1	13.5	682	4.03	2.6	0.6	2.3	5.1	12	<0.1	0.2	0.2	65	0.35	0.086
115656	Soil					0.5	53.5	4.4	49	<0.1	10.0	13.1	329	4.50	4.7	1.6	<0.5	7.3	10	<0.1	1.1	0.1	63	0.23	0.058
115657	Soil					0.4	82.0	2.7	70	<0.1	11.7	19.3	708	4.34	3.0	0.3	0.9	1.5	22	<0.1	0.1	<0.1	112	0.47	0.101
115658	Soil					1.1	51.4	7.3	67	<0.1	13.3	19.6	975	4.28	4.4	0.6	1.6	2.9	27	<0.1	0.4	0.2	80	0.29	0.068
115659	Soil					0.9	16.7	8.6	51	<0.1	10.8	11.1	411	3.71	3.3	0.8	0.8	5.7	13	<0.1	0.3	<0.1	62	0.24	0.049
115660	Soil					0.8	29.7	5.7	122	<0.1	16.2	20.1	1208	4.28	3.3	0.3	2.0	1.7	24	<0.1	0.5	0.2	97	0.37	0.048
115661	Soil					1.1	48.9	7.9	90	<0.1	16.0	23.4	976	4.73	5.2	0.4	0.7	1.8	33	<0.1	0.4	0.1	124	0.34	0.047
115662	Soil					0.3	56.0	4.0	207	<0.1	15.7	26.8	1357	5.91	2.4	0.5	1.7	4.8	13	<0.1	0.5	0.4	126	0.35	0.091
115663	Soil					0.8	38.7	2.3	90	<0.1	15.6	23.7	941	5.08	3.7	0.4	<0.5	3.0	29	<0.1	0.2	<0.1	120	0.46	0.053
115664	Soil					1.2	51.8	5.8	53	<0.1	37.4	14.0	597	3.64	3.0	1.2	1.3	9.2	21	<0.1	0.2	0.2	55	0.42	0.072
115665	Soil					0.9	30.6	8.6	60	<0.1	21.4	13.4	392	2.98	8.8	0.8	4.2	5.6	19	0.1	0.5	0.2	59	0.21	0.035
115666	Soil					0.8	39.3	5.8	67	<0.1	18.3	18.5	470	3.78	5.6	0.4	1.8	2.9	23	<0.1	0.3	<0.1	72	0.26	0.029
115667	Soil					0.7	33.0	6.1	42	<0.1	14.5	9.9	285	2.70	4.9	0.4	1.6	3.0	19	<0.1	0.3	<0.1	61	0.24	0.019
115668	Soil					0.6	39.8	15.2	63	<0.1	15.4	17.0	621	3.97	5.5	1.1	1.6	6.5	54	<0.1	0.4	<0.1	106	1.06	0.088



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CERTIFICATE OF ANALYSIS

DAW11000286.1

	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
101966	Soil	13	33	0.76	300	0.093	<1	1.79	0.014	0.12	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
101967	Soil	11	32	0.58	240	0.080	<1	1.92	0.012	0.05	0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
101968	Soil	9	33	0.53	210	0.081	<1	2.17	0.012	0.06	<0.1	0.02	3.9	<0.1	<0.05	8	<0.5	<0.2
101969	Soil	9	25	0.51	189	0.074	<1	1.44	0.012	0.04	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
101970	Soil	9	25	0.50	171	0.071	<1	1.31	0.012	0.04	0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
101971	Soil	9	15	0.50	172	0.096	<1	1.25	0.009	0.28	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
101972	Soil	8	24	0.47	144	0.076	<1	1.43	0.010	0.05	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
115646	Soil	4	14	1.19	207	0.055	<1	2.10	0.027	0.04	<0.1	<0.01	9.4	<0.1	<0.05	6	<0.5	<0.2
115647	Soil	4	15	0.80	171	0.013	<1	2.05	0.007	0.07	0.1	0.01	6.2	<0.1	<0.05	5	<0.5	<0.2
115648	Soil	3	24	1.36	285	0.118	1	2.36	0.014	0.34	<0.1	<0.01	5.5	0.1	<0.05	6	<0.5	<0.2
115649	Soil	7	31	0.58	125	0.062	1	1.90	0.009	0.04	0.2	<0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
115650	Soil	15	26	0.96	340	0.034	<1	2.19	0.010	0.07	0.3	0.03	9.8	0.1	<0.05	7	<0.5	<0.2
115651	Soil	5	15	1.25	261	0.058	<1	2.06	0.009	0.10	0.2	<0.01	6.2	<0.1	<0.05	7	<0.5	<0.2
115652	Soil	7	14	1.19	181	0.044	<1	2.27	0.004	0.24	0.2	0.01	2.7	<0.1	<0.05	9	<0.5	<0.2
115653	Soil	10	54	1.08	224	0.080	<1	1.95	0.010	0.06	<0.1	0.01	5.3	<0.1	<0.05	5	<0.5	<0.2
115654	Soil	6	20	0.86	189	0.111	<1	1.73	0.008	0.13	0.1	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
115655	Soil	12	15	1.02	335	0.077	<1	1.93	0.005	0.39	0.2	<0.01	4.3	0.1	<0.05	7	<0.5	<0.2
115656	Soil	20	9	0.17	330	0.007	<1	1.01	0.004	0.21	0.2	0.05	8.0	0.1	<0.05	2	<0.5	<0.2
115657	Soil	5	14	1.57	445	0.265	<1	2.51	0.016	0.75	0.1	<0.01	2.9	0.1	<0.05	7	<0.5	<0.2
115658	Soil	5	22	1.37	122	0.038	3	2.40	0.008	0.12	0.1	<0.01	3.6	<0.1	<0.05	8	<0.5	<0.2
115659	Soil	13	17	0.75	367	0.073	<1	1.96	0.008	0.29	<0.1	<0.01	3.0	<0.1	<0.05	7	<0.5	<0.2
115660	Soil	6	23	1.57	375	0.034	1	2.40	0.007	0.07	<0.1	<0.01	6.0	<0.1	<0.05	8	<0.5	<0.2
115661	Soil	5	28	1.58	275	0.196	2	2.77	0.013	0.22	0.2	<0.01	4.9	<0.1	<0.05	8	<0.5	<0.2
115662	Soil	5	24	2.37	151	0.038	1	3.02	0.007	0.04	0.1	<0.01	18.9	<0.1	<0.05	12	<0.5	<0.2
115663	Soil	9	25	1.89	371	0.238	1	2.83	0.010	0.28	<0.1	<0.01	5.1	0.1	<0.05	9	<0.5	<0.2
115664	Soil	39	43	1.17	626	0.052	1	2.08	0.012	0.17	<0.1	<0.01	5.0	<0.1	<0.05	6	<0.5	<0.2
115665	Soil	12	34	0.62	233	0.068	1	2.13	0.012	0.08	0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
115666	Soil	7	27	1.17	238	0.143	<1	2.80	0.011	0.22	<0.1	<0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
115667	Soil	9	24	0.69	231	0.087	<1	1.78	0.017	0.07	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
115668	Soil	16	25	1.47	270	0.192	3	2.47	0.019	0.05	0.5	<0.01	7.1	<0.1	<0.05	9	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
102987	Soil				0.7	21.4	6.3	42	<0.1	12.3	9.8	334	2.66	5.0	0.7	0.7	2.9	22	<0.1	0.3	<0.1	54	0.30	0.019
102988	Soil				0.6	17.7	5.7	28	<0.1	5.7	7.4	272	2.01	1.7	0.3	<0.5	1.7	23	<0.1	0.2	<0.1	29	0.35	0.028
102989	Soil				0.6	20.2	3.6	36	<0.1	8.5	11.5	343	2.52	5.6	0.1	<0.5	0.5	16	<0.1	0.3	<0.1	69	0.26	0.021
102990	Soil				1.0	20.6	6.8	60	<0.1	12.2	12.5	567	3.59	6.6	0.4	0.9	2.1	15	0.1	0.3	<0.1	65	0.19	0.039
102991	Soil				0.8	24.8	5.1	30	<0.1	7.1	7.3	228	2.48	3.5	0.3	1.6	1.5	17	<0.1	0.4	0.1	63	0.30	0.017
102992	Soil				0.3	47.7	2.8	47	<0.1	18.2	20.3	556	3.65	3.2	0.2	1.0	1.0	25	<0.1	0.4	<0.1	83	0.57	0.046
102993	Soil				0.3	18.1	1.7	47	<0.1	24.4	18.3	279	2.47	2.1	0.2	<0.5	1.1	31	<0.1	0.1	<0.1	47	0.48	0.039
102994	Soil				0.1	19.0	1.9	28	<0.1	17.5	14.8	333	2.44	1.4	0.2	0.5	1.2	12	<0.1	0.4	<0.1	51	0.43	0.049
102995	Soil				0.7	20.9	6.9	40	<0.1	15.9	9.2	236	2.71	7.0	0.4	4.8	2.3	17	<0.1	0.3	0.1	67	0.19	0.015
102996	Soil				1.0	20.1	7.6	26	<0.1	4.6	4.3	176	1.31	0.8	0.2	1.9	0.3	14	0.2	0.2	<0.1	27	0.18	0.025
102997	Soil				0.5	14.2	3.5	48	<0.1	6.0	13.3	486	3.83	4.1	0.3	<0.5	1.0	17	<0.1	1.2	<0.1	75	0.48	0.036
102998	Soil				1.0	27.4	9.7	31	<0.1	17.7	9.6	195	2.11	5.0	0.4	0.9	1.8	27	<0.1	0.3	<0.1	54	0.35	0.012
102999	Soil				1.0	10.3	2.1	85	<0.1	7.1	17.1	488	4.67	3.5	0.3	1.0	1.2	17	<0.1	0.2	<0.1	82	0.25	0.053
103000	Soil				0.4	12.0	4.8	61	<0.1	7.2	13.4	691	4.06	3.4	0.6	1.9	2.2	21	<0.1	1.2	<0.1	54	0.45	0.049
113927	Soil				1.1	226.0	6.2	61	<0.1	15.6	14.3	615	4.29	3.2	0.4	1.5	1.8	14	<0.1	0.2	<0.1	87	0.33	0.084
113928	Soil				1.3	18.3	16.3	72	0.2	30.5	14.9	1150	3.24	7.0	0.3	3.0	1.7	35	0.1	0.5	0.2	79	0.46	0.031
113929	Soil				1.1	15.7	10.7	52	0.1	19.0	10.3	280	3.36	10.3	0.5	1.5	3.0	15	<0.1	0.6	0.2	73	0.15	0.037
113930	Soil				1.0	44.3	10.3	58	<0.1	13.4	12.5	349	3.95	7.4	0.3	1.6	1.0	19	<0.1	0.6	<0.1	105	0.23	0.027
113931	Soil				0.8	33.2	7.2	59	<0.1	23.2	17.0	341	3.54	7.3	0.4	1.8	2.5	18	<0.1	0.5	<0.1	79	0.23	0.028
113932	Soil				0.3	28.8	5.0	42	<0.1	10.7	14.6	424	3.25	2.1	0.2	<0.5	0.9	20	<0.1	0.7	<0.1	79	0.38	0.051
113933	Soil				1.3	45.7	13.5	59	<0.1	22.7	16.7	565	4.22	4.3	0.6	2.2	2.9	19	<0.1	1.8	<0.1	84	0.35	0.041
113934	Soil				0.4	459.1	1.8	53	<0.1	6.8	16.2	585	4.19	1.3	0.3	1.5	1.1	19	<0.1	0.4	<0.1	81	0.65	0.060
113935	Soil				0.5	35.9	7.6	50	<0.1	23.0	11.3	288	2.70	7.0	0.5	4.4	3.2	21	<0.1	0.5	0.1	63	0.26	0.034
113936	Soil				0.5	57.4	8.1	61	<0.1	22.7	16.7	525	3.90	7.0	0.6	3.4	3.3	22	<0.1	0.3	0.1	90	0.34	0.035
113937	Soil				0.6	70.7	9.4	130	<0.1	8.4	15.1	627	2.91	1.1	0.4	0.9	0.9	15	0.1	<0.1	<0.1	78	0.38	0.064
113938	Soil				4.2	69.8	4.5	50	<0.1	7.4	10.5	274	3.28	4.3	0.9	1.7	3.9	12	<0.1	1.0	<0.1	35	0.11	0.030
113939	Soil				0.4	33.7	3.7	49	<0.1	8.9	14.5	479	3.48	2.8	0.3	1.9	1.6	19	<0.1	0.5	<0.1	85	0.50	0.053
113940	Soil				0.4	36.0	4.1	49	<0.1	9.5	15.2	493	3.55	3.0	0.3	1.8	1.5	18	<0.1	0.5	<0.1	87	0.53	0.058
113941	Soil				0.5	39.9	4.7	43	<0.1	17.7	13.9	434	3.29	7.4	0.2	2.5	1.4	22	<0.1	0.4	<0.1	91	0.39	0.013
113942	Soil				1.0	28.0	9.1	46	<0.1	20.6	9.7	243	2.98	7.8	0.4	2.2	2.6	16	<0.1	0.5	0.2	75	0.17	0.015



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
102987	Soil	11	22	0.63	323	0.081	1	1.67	0.018	0.06	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
102988	Soil	6	13	0.56	396	0.039	<1	1.41	0.015	0.07	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
102989	Soil	2	18	0.96	68	0.101	<1	1.81	0.025	0.04	<0.1	<0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
102990	Soil	6	23	0.84	141	0.075	<1	2.32	0.015	0.09	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
102991	Soil	6	16	0.67	182	0.039	<1	1.74	0.017	0.05	0.2	<0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
102992	Soil	3	24	1.50	177	0.045	<1	2.42	0.033	0.05	<0.1	<0.01	8.2	<0.1	<0.05	6	<0.5	<0.2
102993	Soil	4	34	1.66	111	0.031	<1	2.14	0.037	0.04	<0.1	<0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
102994	Soil	5	27	0.73	139	0.016	<1	1.27	0.028	0.09	<0.1	<0.01	7.8	<0.1	<0.05	3	<0.5	<0.2
102995	Soil	8	26	0.58	178	0.073	<1	2.00	0.016	0.05	<0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
102996	Soil	4	10	0.31	141	0.030	<1	0.90	0.014	0.06	<0.1	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
102997	Soil	3	9	0.86	315	0.044	<1	2.13	0.020	0.05	0.2	<0.01	6.2	0.1	<0.05	6	<0.5	<0.2
102998	Soil	6	28	0.57	239	0.062	<1	2.26	0.035	0.04	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
102999	Soil	3	12	1.16	216	0.213	<1	3.15	0.009	0.42	<0.1	<0.01	2.3	0.1	<0.05	8	<0.5	<0.2
103000	Soil	17	9	0.74	363	0.032	1	1.82	0.010	0.09	<0.1	<0.01	7.0	<0.1	<0.05	6	<0.5	<0.2
113927	Soil	4	30	1.45	204	0.220	<1	2.70	0.010	0.63	<0.1	<0.01	4.7	0.2	<0.05	9	<0.5	<0.2
113928	Soil	8	56	1.02	344	0.088	<1	2.13	0.026	0.09	0.2	<0.01	3.6	<0.1	<0.05	8	<0.5	<0.2
113929	Soil	9	34	0.52	247	0.073	<1	2.15	0.013	0.05	0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
113930	Soil	4	27	0.97	134	0.215	1	2.06	0.022	0.07	0.2	0.01	3.3	<0.1	<0.05	8	<0.5	<0.2
113931	Soil	7	34	0.89	222	0.091	1	2.81	0.017	0.06	<0.1	0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
113932	Soil	3	19	1.19	155	0.088	<1	2.33	0.018	0.09	0.1	<0.01	5.0	<0.1	<0.05	6	<0.5	<0.2
113933	Soil	7	36	0.99	351	0.058	<1	2.22	0.011	0.11	0.4	0.02	6.8	<0.1	<0.05	6	<0.5	<0.2
113934	Soil	5	8	1.15	512	0.080	<1	2.04	0.011	0.09	0.1	0.02	5.5	<0.1	<0.05	6	<0.5	<0.2
113935	Soil	10	33	0.65	251	0.094	<1	2.02	0.016	0.05	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
113936	Soil	13	33	1.22	368	0.110	2	2.53	0.018	0.14	<0.1	0.03	6.0	0.1	<0.05	7	<0.5	<0.2
113937	Soil	2	19	1.06	720	0.192	<1	2.12	0.040	0.73	<0.1	<0.01	4.0	0.1	<0.05	5	<0.5	<0.2
113938	Soil	10	12	0.51	133	0.026	<1	1.24	0.011	0.07	<0.1	<0.01	4.7	<0.1	<0.05	4	0.6	<0.2
113939	Soil	6	17	1.09	408	0.148	<1	2.02	0.022	0.30	0.1	<0.01	4.6	<0.1	<0.05	6	<0.5	<0.2
113940	Soil	6	17	1.11	426	0.149	<1	2.07	0.024	0.31	0.1	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
113941	Soil	4	27	1.18	192	0.059	<1	2.44	0.028	0.04	0.1	<0.01	4.9	<0.1	<0.05	6	<0.5	<0.2
113942	Soil	8	32	0.60	176	0.079	1	2.23	0.017	0.05	<0.1	0.02	3.3	0.1	<0.05	6	<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
113943	Soil	1.3	25.7	8.1	48	<0.1	16.8	9.9	349	3.20	8.9	0.3	0.8	1.7	18	0.1	0.4	0.2	95	0.26	0.030
113944	Soil	1.0	41.8	8.8	54	0.1	17.8	14.0	837	3.03	5.7	0.4	4.2	0.9	27	0.2	0.4	0.1	80	0.41	0.061
113945	Soil	0.8	40.4	8.8	45	<0.1	16.2	11.1	352	3.15	7.5	0.7	1.7	3.0	25	0.1	0.8	0.1	69	0.44	0.022
113946	Soil	1.1	13.7	8.3	39	<0.1	15.1	8.2	277	2.70	6.9	0.3	0.7	2.2	21	<0.1	0.3	0.1	68	0.31	0.020
113947	Soil	1.5	12.4	7.7	62	0.1	13.5	10.1	590	3.44	7.2	0.3	1.0	1.6	14	0.2	0.4	0.1	80	0.18	0.027
113948	Soil	1.2	15.9	9.4	93	<0.1	16.4	16.5	1524	3.52	5.6	0.3	0.7	1.9	23	0.7	0.6	0.2	89	0.23	0.020
113949	Soil	0.5	95.4	4.3	254	<0.1	17.9	28.7	1310	6.44	2.1	0.4	0.5	1.7	21	0.2	1.0	<0.1	150	0.46	0.064
113950	Soil	0.4	57.4	5.8	76	<0.1	38.1	25.7	884	5.40	2.9	0.5	10.1	3.8	22	<0.1	0.7	<0.1	137	0.46	0.094
113951	Soil	0.6	35.1	6.9	51	<0.1	38.6	19.3	523	3.98	6.4	0.2	1.1	1.2	24	<0.1	0.6	<0.1	99	0.44	0.050
113952	Soil	0.5	39.5	73.7	68	<0.1	32.7	20.3	622	3.85	2.6	0.2	3.6	3.0	24	<0.1	0.3	<0.1	77	0.49	0.087
113953	Soil	1.0	29.4	8.4	59	<0.1	19.8	17.0	579	3.91	6.1	0.4	1.9	2.2	27	<0.1	0.7	0.1	95	0.39	0.028
113954	Soil	0.4	41.8	6.6	72	<0.1	22.2	23.3	946	5.34	1.4	0.8	13.1	5.4	21	<0.1	0.9	<0.1	102	0.51	0.079
113955	Soil	1.8	42.8	14.6	65	<0.1	29.5	20.0	548	4.21	6.2	0.3	1.4	2.6	28	<0.1	0.8	<0.1	110	0.40	0.035
113956	Soil	0.7	39.5	10.4	69	0.2	22.9	16.7	506	4.14	5.2	0.5	0.6	4.0	17	0.4	0.5	<0.1	97	0.27	0.033
113957	Soil	0.8	36.8	8.1	40	<0.1	11.4	8.1	982	2.03	2.5	0.5	1.2	0.9	19	0.5	0.3	0.1	54	0.19	0.030
113958	Soil	0.6	30.7	7.1	45	<0.1	17.5	10.5	383	2.66	4.4	0.5	0.9	2.0	27	0.2	0.4	0.1	66	0.54	0.035
113959	Soil	0.5	42.0	6.9	55	0.1	17.6	10.4	588	2.70	3.9	1.0	2.7	1.7	37	0.2	0.4	0.1	62	1.21	0.042
113960	Soil	0.7	228.7	5.7	56	0.3	15.5	11.8	768	3.21	4.0	0.9	2.6	1.1	41	0.5	0.4	<0.1	75	1.60	0.056
129372	Soil	1.0	19.5	20.3	74	0.1	15.9	13.4	563	3.84	7.3	0.6	2.7	3.5	21	<0.1	0.6	0.9	86	0.22	0.024
129373	Soil	0.6	18.2	6.1	92	<0.1	13.7	26.2	802	5.12	4.8	0.3	0.9	4.0	23	<0.1	0.2	<0.1	94	0.28	0.030
129374	Soil	0.6	23.4	35.2	283	0.3	17.9	26.8	2329	7.54	9.6	1.6	4.1	7.2	37	1.2	1.1	0.2	65	2.70	0.030
129375	Soil	0.8	15.6	8.0	54	<0.1	16.2	11.9	332	3.04	5.6	0.4	1.6	3.0	24	<0.1	0.4	0.1	67	0.30	0.047
129376	Soil	0.7	21.1	7.5	80	<0.1	20.3	19.0	555	3.88	5.9	0.5	2.8	3.8	24	<0.1	0.4	0.2	80	0.33	0.037
129377	Soil	0.9	16.8	8.2	57	<0.1	17.4	11.1	308	3.27	6.8	0.5	2.0	3.5	22	<0.1	0.4	0.2	68	0.27	0.030
129378	Soil	1.4	13.4	10.7	63	<0.1	18.7	11.1	279	3.72	9.3	0.6	2.5	2.9	18	0.2	0.7	0.7	76	0.19	0.053
129379	Soil	1.2	9.5	10.5	66	<0.1	12.4	17.3	632	3.55	4.8	0.7	1.8	4.7	19	0.1	1.0	0.3	68	0.24	0.042
129380	Soil	1.3	21.3	10.3	48	<0.1	23.3	12.4	299	3.36	9.9	1.1	4.5	6.6	20	<0.1	0.6	0.2	66	0.18	0.032
129381	Soil	0.8	20.8	8.9	60	<0.1	9.7	13.8	559	4.18	3.7	1.5	<0.5	11.4	16	<0.1	0.7	0.1	44	0.36	0.069
129382	Soil	1.8	20.7	9.3	75	<0.1	12.8	19.8	674	5.02	2.9	1.4	0.7	15.0	21	<0.1	0.8	3.0	79	0.44	0.040
129383	Soil	1.8	19.5	8.4	81	<0.1	23.9	17.6	955	4.77	8.0	0.5	0.7	3.2	20	0.2	0.4	2.2	102	0.27	0.053



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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
113943	Soil	6	28	0.65	159	0.070	<1	2.15	0.017	0.06	<0.1	0.03	4.2	0.1	<0.05	8	<0.5
113944	Soil	6	28	0.71	238	0.059	1	2.13	0.021	0.07	0.1	0.03	3.9	<0.1	<0.05	6	<0.5
113945	Soil	9	36	0.74	267	0.066	<1	2.15	0.021	0.06	0.4	0.02	5.6	<0.1	<0.05	6	<0.5
113946	Soil	8	26	0.65	190	0.095	2	1.66	0.018	0.06	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5
113947	Soil	6	24	0.66	194	0.146	<1	1.88	0.015	0.10	<0.1	0.01	2.1	<0.1	<0.05	7	<0.5
113948	Soil	6	30	0.67	357	0.094	1	1.98	0.020	0.07	<0.1	0.03	3.6	<0.1	<0.05	8	<0.5
113949	Soil	5	30	2.30	277	0.067	<1	3.01	0.007	0.17	<0.1	<0.01	9.7	<0.1	<0.05	11	<0.5
113950	Soil	14	33	2.23	198	0.049	1	2.95	0.011	0.12	0.1	<0.01	11.3	<0.1	<0.05	11	0.6
113951	Soil	3	60	1.86	164	0.137	1	2.90	0.017	0.09	<0.1	<0.01	6.1	<0.1	<0.05	8	<0.5
113952	Soil	5	27	1.87	110	0.132	<1	2.42	0.009	0.14	<0.1	<0.01	4.3	<0.1	<0.05	7	<0.5
113953	Soil	6	34	1.29	227	0.174	<1	2.45	0.018	0.14	0.1	<0.01	4.5	<0.1	<0.05	8	<0.5
113954	Soil	13	38	2.29	214	0.043	<1	3.43	0.007	0.11	0.1	<0.01	9.3	<0.1	<0.05	10	<0.5
113955	Soil	5	54	1.58	201	0.206	2	2.79	0.017	0.25	0.1	0.01	5.0	<0.1	<0.05	8	<0.5
113956	Soil	9	37	1.43	219	0.156	<1	2.51	0.021	0.24	0.1	0.01	5.3	<0.1	<0.05	8	0.6
113957	Soil	7	23	0.41	174	0.101	<1	1.55	0.020	0.06	<0.1	0.03	2.5	<0.1	<0.05	5	<0.5
113958	Soil	9	29	0.74	217	0.089	<1	1.79	0.018	0.06	0.1	0.03	3.4	<0.1	<0.05	6	<0.5
113959	Soil	12	25	0.65	310	0.052	<1	1.79	0.027	0.04	0.1	0.04	5.2	<0.1	<0.05	6	<0.5
113960	Soil	12	20	0.73	395	0.044	1	1.86	0.020	0.07	0.1	0.04	5.7	<0.1	<0.05	6	0.7
129372	Soil	9	32	1.12	198	0.041	<1	3.35	0.011	0.14	0.2	0.01	3.8	0.3	<0.05	9	0.6
129373	Soil	5	28	2.39	183	0.234	<1	3.40	0.012	0.44	<0.1	0.01	2.0	0.1	<0.05	9	<0.5
129374	Soil	14	8	0.73	714	0.002	3	0.86	0.008	0.16	0.1	0.04	10.5	0.3	<0.05	2	<0.5
129375	Soil	10	28	0.86	178	0.104	1	1.96	0.013	0.07	0.1	0.02	2.7	<0.1	<0.05	6	<0.5
129376	Soil	10	31	1.37	229	0.149	2	2.72	0.015	0.13	0.2	0.01	3.2	0.1	<0.05	7	<0.5
129377	Soil	12	30	0.85	197	0.105	1	2.16	0.013	0.07	0.1	0.04	3.0	<0.1	<0.05	6	<0.5
129378	Soil	10	34	0.63	166	0.048	2	2.38	0.011	0.08	0.7	0.03	3.5	0.1	<0.05	6	<0.5
129379	Soil	11	25	0.96	256	0.064	4	2.14	0.010	0.30	0.2	0.02	4.2	0.3	<0.05	6	0.9
129380	Soil	13	41	0.59	521	0.067	2	2.70	0.013	0.07	0.2	0.03	4.1	0.1	<0.05	6	0.8
129381	Soil	38	13	0.57	352	0.016	2	1.48	0.010	0.24	0.5	0.02	7.1	0.1	<0.05	3	0.8
129382	Soil	23	28	1.80	421	0.007	3	3.19	0.008	0.12	2.0	<0.01	7.3	<0.1	<0.05	9	0.8
129383	Soil	8	54	1.10	162	0.088	<1	2.86	0.012	0.07	0.8	0.01	3.7	<0.1	<0.05	9	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	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
129384	Soil	1.1	32.5	9.7	60	<0.1	28.4	13.5	307	3.40	10.1	0.7	2.1	5.8	23	<0.1	0.6	0.6	74	0.25	0.020
129385	Soil	1.2	26.3	7.9	50	<0.1	21.0	12.1	315	2.82	5.5	0.6	2.6	3.8	26	<0.1	0.4	0.4	72	0.41	0.028
129386	Soil	0.7	30.7	7.1	59	<0.1	37.2	13.5	464	3.33	6.1	0.7	2.6	4.4	51	<0.1	0.4	0.4	76	0.57	0.090
129387	Soil	3.0	12.7	8.6	61	<0.1	15.5	14.8	614	3.09	5.7	0.9	<0.5	3.4	18	<0.1	1.0	0.5	54	0.27	0.054
129388	Soil	1.6	24.3	6.3	58	<0.1	27.4	15.1	773	3.17	3.0	2.1	1.2	2.8	59	0.3	1.2	0.6	35	1.27	0.101
129389	Soil	1.2	20.6	9.2	53	<0.1	20.9	12.6	567	2.99	6.5	1.7	0.9	3.4	35	0.1	0.4	0.2	55	0.61	0.059
129390	Soil	1.0	17.4	7.3	51	<0.1	21.5	9.9	527	2.66	5.1	0.9	1.6	2.1	47	0.1	0.4	0.1	48	0.92	0.064
129391	Soil	1.2	18.3	8.8	49	<0.1	21.2	12.5	539	3.08	5.8	0.6	0.9	2.8	31	<0.1	0.9	0.1	52	0.57	0.037
129392	Soil	1.0	29.9	8.5	56	0.1	23.9	11.3	483	3.33	6.3	1.0	2.3	3.3	27	<0.1	3.4	0.2	47	0.49	0.063
129393	Soil	1.0	19.0	7.0	49	<0.1	18.7	7.7	286	2.83	5.8	0.5	0.9	2.8	24	<0.1	2.5	0.1	46	0.35	0.038
129394	Soil	1.1	15.1	8.5	43	<0.1	15.3	7.6	363	2.51	4.6	0.7	2.8	3.0	21	<0.1	0.7	0.1	48	0.33	0.021
129395	Soil	0.7	49.0	7.2	76	<0.1	14.1	19.2	929	5.23	4.1	0.7	1.7	4.2	17	0.2	4.8	<0.1	78	0.61	0.088
129396	Soil	1.0	42.2	9.0	59	<0.1	22.0	13.8	460	3.19	6.5	1.1	2.1	4.1	28	<0.1	0.5	0.1	66	0.56	0.045
129397	Soil	1.0	25.4	7.4	49	<0.1	20.3	11.2	271	2.92	6.0	0.4	1.8	2.8	20	<0.1	0.3	0.1	73	0.38	0.040
129398	Soil	0.8	37.8	6.7	47	<0.1	15.7	11.8	305	2.87	5.2	0.5	0.5	2.9	24	<0.1	0.3	0.1	76	0.33	0.032
129399	Soil	0.8	26.0	8.8	41	<0.1	15.8	8.9	246	2.36	4.7	0.6	<0.5	3.1	28	<0.1	0.3	<0.1	65	0.36	0.018
129400	Soil	0.7	32.8	5.9	39	<0.1	16.6	9.3	250	2.29	4.1	0.8	1.0	4.2	25	<0.1	0.3	<0.1	60	0.35	0.022
129401	Soil	0.9	39.4	4.8	51	<0.1	25.0	14.1	385	2.41	2.2	0.4	<0.5	1.6	22	<0.1	0.2	<0.1	57	0.37	0.060
129402	Soil	1.0	27.6	8.0	47	<0.1	22.4	10.1	220	3.29	10.1	0.5	<0.5	3.3	22	<0.1	0.4	0.1	80	0.24	0.031
129403	Soil	0.6	49.4	4.7	52	<0.1	33.2	18.7	529	3.22	2.6	0.3	<0.5	2.2	43	<0.1	0.3	<0.1	84	0.69	0.065
129404	Soil	0.6	39.3	7.2	49	<0.1	28.9	14.1	328	2.98	4.2	0.3	0.6	1.5	30	<0.1	0.3	<0.1	88	0.45	0.035
129405	Soil	0.7	31.8	2.3	36	<0.1	37.3	19.1	431	2.65	1.0	0.2	<0.5	0.9	19	<0.1	<0.1	<0.1	66	0.38	0.053
129406	Soil	0.5	97.7	3.7	69	<0.1	46.9	25.3	641	4.00	1.6	1.2	<0.5	1.9	53	<0.1	0.2	<0.1	108	0.97	0.065
129407	Soil	0.7	69.0	7.1	66	<0.1	31.4	13.5	328	3.40	5.7	1.0	8.2	3.9	35	0.2	0.5	<0.1	79	0.74	0.078
129408	Soil	0.8	29.4	7.8	53	<0.1	21.4	14.1	341	2.98	7.8	0.5	3.3	2.8	20	0.2	0.4	0.1	66	0.26	0.049
129409	Soil	0.8	39.8	8.7	47	<0.1	17.8	10.7	270	2.63	6.6	0.6	1.7	2.8	24	0.1	0.3	0.1	64	0.32	0.053
129410	Soil	0.4	57.2	3.3	55	<0.1	15.0	13.1	311	2.81	3.9	0.4	1.2	2.4	24	<0.1	0.2	<0.1	75	0.35	0.052
129411	Soil	0.5	28.8	5.2	56	<0.1	28.0	15.0	271	2.35	6.2	0.3	<0.5	1.7	18	<0.1	0.2	<0.1	48	0.19	0.021
129412	Soil	1.2	43.4	7.9	51	<0.1	15.4	11.2	399	3.08	9.3	0.3	1.2	1.9	16	0.1	0.4	0.1	76	0.19	0.031
129413	Soil	0.7	49.4	5.9	48	<0.1	13.8	15.9	336	2.70	4.7	0.2	<0.5	0.8	14	<0.1	<0.1	<0.1	55	0.29	0.027



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Project: BALLARAT

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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
129384	Soil	15	43	0.68	305	0.072	2	2.61	0.016	0.06	0.2	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
129385	Soil	9	38	0.80	235	0.076	1	2.12	0.019	0.05	0.5	0.02	3.7	<0.1	<0.05	6	0.9	<0.2
129386	Soil	20	56	1.05	354	0.086	2	2.30	0.038	0.06	0.1	0.03	5.6	<0.1	<0.05	6	0.6	<0.2
129387	Soil	13	26	0.34	147	0.019	2	1.29	0.010	0.08	0.5	0.03	3.6	0.1	<0.05	3	1.0	<0.2
129388	Soil	15	33	0.53	381	0.008	3	1.22	0.016	0.10	<0.1	0.07	7.7	0.1	0.06	3	1.1	<0.2
129389	Soil	16	34	0.57	347	0.038	2	1.74	0.021	0.06	0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
129390	Soil	13	34	0.53	388	0.032	2	1.62	0.019	0.05	<0.1	0.04	4.1	<0.1	0.05	4	<0.5	<0.2
129391	Soil	12	32	0.53	268	0.036	1	1.58	0.017	0.06	<0.1	0.03	5.1	<0.1	<0.05	5	0.6	<0.2
129392	Soil	17	33	0.47	351	0.024	1	1.74	0.014	0.07	<0.1	0.08	7.4	0.1	<0.05	4	1.0	<0.2
129393	Soil	14	29	0.44	247	0.041	1	1.51	0.017	0.06	<0.1	0.02	4.0	0.1	<0.05	4	<0.5	<0.2
129394	Soil	13	26	0.40	265	0.033	1	1.49	0.015	0.06	<0.1	0.02	3.8	0.1	<0.05	4	<0.5	<0.2
129395	Soil	14	18	0.71	252	0.005	<1	1.74	0.011	0.09	0.1	0.06	14.6	0.1	<0.05	5	<0.5	<0.2
129396	Soil	15	32	0.84	335	0.062	<1	2.11	0.019	0.05	<0.1	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2
129397	Soil	8	32	0.77	123	0.096	1	2.01	0.014	0.05	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
129398	Soil	8	24	0.78	134	0.103	<1	2.29	0.020	0.05	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
129399	Soil	13	28	0.68	140	0.087	<1	1.83	0.021	0.04	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
129400	Soil	13	28	0.72	152	0.096	<1	1.64	0.022	0.04	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
129401	Soil	6	42	1.19	126	0.123	<1	2.07	0.023	0.04	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
129402	Soil	8	33	0.66	150	0.072	1	2.31	0.015	0.05	0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
129403	Soil	5	85	1.74	154	0.107	<1	2.86	0.020	0.06	<0.1	0.03	6.1	<0.1	<0.05	7	<0.5	<0.2
129404	Soil	5	45	1.09	126	0.112	<1	2.48	0.023	0.04	<0.1	<0.01	4.3	<0.1	<0.05	8	<0.5	<0.2
129405	Soil	2	24	1.54	89	0.083	<1	2.36	0.024	0.06	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
129406	Soil	3	46	1.52	184	0.134	<1	2.94	0.022	0.08	<0.1	0.01	5.4	<0.1	<0.05	9	<0.5	<0.2
129407	Soil	10	31	1.01	157	0.086	1	2.08	0.031	0.09	<0.1	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
129408	Soil	9	32	0.71	161	0.105	1	2.40	0.016	0.07	<0.1	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
129409	Soil	11	28	0.68	260	0.103	1	1.78	0.020	0.07	0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
129410	Soil	10	21	0.90	292	0.162	<1	1.72	0.022	0.39	<0.1	0.01	2.7	0.1	<0.05	5	<0.5	<0.2
129411	Soil	4	55	1.23	128	0.121	<1	2.44	0.012	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
129412	Soil	6	26	0.68	110	0.118	<1	1.58	0.018	0.07	0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
129413	Soil	2	21	1.19	180	0.192	<1	2.34	0.024	0.31	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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
129414	Soil	0.5	10.0	4.2	16	<0.1	6.3	3.7	133	1.10	3.3	0.3	<0.5	1.8	31	<0.1	0.2	<0.1	23	0.25	0.012
129415	Soil	1.1	21.1	14.5	51	<0.1	21.2	10.4	351	3.06	8.9	0.6	<0.5	0.9	19	0.1	0.4	0.2	69	0.21	0.050
129416	Soil	0.8	21.2	15.8	51	<0.1	20.0	8.7	270	2.74	8.9	0.6	3.9	3.3	19	<0.1	0.4	0.2	62	0.21	0.041
129417	Soil	1.0	17.8	10.7	50	<0.1	22.1	8.5	276	2.74	8.1	0.6	2.2	2.5	20	<0.1	0.3	0.1	62	0.24	0.047
129418	Soil	0.7	20.0	18.5	54	<0.1	22.6	9.5	357	2.63	7.9	0.6	<0.5	1.5	23	0.1	0.4	0.2	65	0.26	0.042
129419	Soil	1.3	18.4	14.8	74	0.1	16.6	9.1	603	3.12	8.8	0.4	1.2	1.7	16	0.3	0.5	0.2	80	0.16	0.041
129420	Soil	0.5	12.6	78.1	66	0.1	24.0	19.4	678	4.93	4.5	0.2	<0.5	1.8	16	0.2	1.7	0.5	112	0.20	0.043
129421	Soil	0.6	16.1	22.7	40	0.2	19.0	9.3	237	2.41	4.3	0.4	4.1	2.0	23	<0.1	1.2	0.2	61	0.31	0.042
129422	Soil	0.8	20.2	16.2	54	0.1	23.6	11.1	320	3.18	8.2	0.5	2.8	2.6	20	0.1	0.5	0.3	76	0.25	0.039
129423	Soil	0.9	22.0	10.1	50	<0.1	24.1	10.1	319	2.71	7.1	0.6	5.4	2.8	26	<0.1	0.4	0.2	69	0.35	0.049
129424	Soil	1.1	30.6	12.7	47	0.3	22.1	9.2	349	2.78	9.3	1.9	2.8	1.8	29	0.2	0.5	0.2	69	0.37	0.040
129425	Soil	0.8	20.9	8.4	45	<0.1	18.4	8.4	252	2.57	7.2	0.8	1.6	2.1	22	<0.1	0.4	0.2	62	0.29	0.044
129426	Soil	0.8	26.7	9.1	55	<0.1	21.6	10.5	386	3.11	8.7	0.8	3.9	3.2	23	<0.1	0.4	0.2	72	0.26	0.035
129427	Soil	1.1	13.6	8.8	41	<0.1	13.1	5.8	221	2.26	6.4	0.4	2.8	1.2	18	0.1	0.3	0.2	68	0.19	0.022
129428	Soil	0.9	18.5	10.2	45	0.2	14.8	7.7	304	2.38	6.1	0.6	2.2	0.7	21	<0.1	0.4	0.2	58	0.19	0.036
129429	Soil	0.9	19.8	14.2	55	<0.1	22.9	11.4	417	3.01	8.3	0.5	1.9	2.4	22	0.1	0.4	0.2	67	0.26	0.028
129430	Soil	1.1	19.2	10.9	51	<0.1	21.5	10.3	345	2.75	7.9	0.5	2.9	1.1	17	0.3	0.3	0.2	63	0.19	0.037
129431	Soil	1.4	12.6	11.5	74	<0.1	14.7	7.1	287	3.15	9.2	0.4	1.6	1.9	22	0.5	0.4	0.2	79	0.24	0.046
129432	Soil	1.8	12.2	11.0	46	<0.1	15.9	6.6	544	2.56	5.5	0.3	2.3	1.0	21	0.3	0.5	0.2	65	0.22	0.043
129433	Soil	1.2	15.3	12.7	52	0.1	18.9	9.2	354	3.06	8.3	0.4	7.3	1.6	25	0.2	0.4	0.2	76	0.28	0.040
129434	Soil	0.9	14.5	8.9	35	0.1	12.1	8.3	816	2.03	4.5	0.3	1.5	1.1	27	0.5	0.3	0.2	53	0.32	0.058
129435	Soil	1.1	20.7	10.8	49	0.2	20.9	9.1	282	2.86	8.0	0.6	2.3	2.3	24	<0.1	0.4	0.2	70	0.28	0.023
129436	Soil	1.0	14.3	7.7	43	<0.1	16.2	6.3	281	2.20	5.8	0.4	<0.5	1.1	27	0.3	0.3	0.2	55	0.35	0.045
129437	Soil	1.3	20.1	10.7	47	<0.1	22.0	9.4	369	2.58	6.5	0.6	1.6	2.7	27	<0.1	0.4	0.1	58	0.34	0.034
129438	Soil	1.0	20.6	9.7	48	<0.1	19.6	8.9	278	2.90	14.1	0.5	1.5	2.9	21	<0.1	0.4	0.1	64	0.19	0.017
129439	Soil	0.3	78.0	2.2	55	<0.1	20.0	21.1	411	3.85	4.1	0.2	<0.5	1.3	20	<0.1	0.2	<0.1	108	0.33	0.012
129440	Soil	0.3	90.1	2.8	53	<0.1	19.0	17.8	358	3.45	4.8	0.2	<0.5	1.1	20	<0.1	0.2	<0.1	98	0.30	0.011
129441	Soil	0.8	26.0	6.9	46	<0.1	19.8	11.4	292	2.67	5.8	0.4	<0.5	2.4	21	<0.1	0.4	<0.1	63	0.22	0.011
129442	Soil	1.1	18.5	7.0	44	<0.1	14.2	9.9	282	2.99	6.7	0.3	2.8	2.3	19	<0.1	0.4	0.1	68	0.21	0.028
129443	Soil	0.7	27.4	7.8	47	<0.1	16.9	12.0	520	2.47	5.1	0.6	1.6	3.1	27	<0.1	0.3	<0.1	55	0.38	0.030



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
129414	Soil	4	11	0.18	35	0.032	<1	0.93	0.005	0.03	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
129415	Soil	10	35	0.61	152	0.069	<1	2.08	0.014	0.06	<0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
129416	Soil	12	32	0.61	156	0.079	1	2.05	0.013	0.05	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
129417	Soil	10	32	0.60	172	0.080	<1	2.06	0.014	0.05	0.1	0.04	3.0	<0.1	<0.05	6	<0.5	<0.2
129418	Soil	9	33	0.61	235	0.082	<1	1.93	0.025	0.05	0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
129419	Soil	9	31	0.40	217	0.064	<1	2.06	0.013	0.04	<0.1	0.03	2.5	0.1	<0.05	8	0.6	<0.2
129420	Soil	9	45	1.68	132	0.014	3	3.03	0.013	0.07	0.1	0.01	11.0	0.2	0.06	8	<0.5	<0.2
129421	Soil	7	34	0.64	134	0.080	3	1.68	0.019	0.04	<0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
129422	Soil	8	41	0.72	185	0.068	1	2.32	0.014	0.05	0.1	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
129423	Soil	11	37	0.62	210	0.086	2	2.02	0.018	0.05	0.2	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
129424	Soil	12	35	0.56	264	0.068	2	2.12	0.020	0.05	0.1	0.04	3.7	0.1	<0.05	7	<0.5	<0.2
129425	Soil	11	31	0.60	184	0.076	1	1.80	0.015	0.05	0.1	0.03	3.2	<0.1	<0.05	5	0.7	<0.2
129426	Soil	12	38	0.66	218	0.085	2	2.36	0.014	0.05	0.1	0.03	4.7	0.1	<0.05	6	<0.5	<0.2
129427	Soil	8	27	0.50	161	0.074	<1	1.47	0.013	0.05	0.1	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
129428	Soil	10	26	0.46	208	0.064	3	1.92	0.019	0.05	<0.1	0.02	3.0	0.1	<0.05	6	0.8	<0.2
129429	Soil	9	35	0.65	239	0.068	2	2.23	0.014	0.06	0.1	0.03	3.9	<0.1	<0.05	7	<0.5	<0.2
129430	Soil	9	34	0.58	226	0.066	2	2.03	0.016	0.05	0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
129431	Soil	8	32	0.47	172	0.064	2	1.90	0.014	0.05	0.1	0.02	2.8	<0.1	<0.05	7	0.7	<0.2
129432	Soil	7	31	0.37	232	0.062	1	1.44	0.017	0.05	<0.1	0.02	2.3	<0.1	<0.05	7	<0.5	<0.2
129433	Soil	7	33	0.56	244	0.067	2	2.22	0.017	0.05	0.1	0.02	3.0	<0.1	<0.05	7	0.7	<0.2
129434	Soil	7	20	0.32	315	0.059	2	1.24	0.020	0.07	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
129435	Soil	13	37	0.60	258	0.082	1	2.31	0.016	0.05	0.1	0.03	4.3	<0.1	<0.05	7	<0.5	<0.2
129436	Soil	8	27	0.51	219	0.073	2	1.52	0.017	0.08	0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
129437	Soil	11	40	0.58	263	0.083	2	1.82	0.024	0.05	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
129438	Soil	9	37	0.63	208	0.096	2	1.95	0.019	0.10	<0.1	0.01	3.4	<0.1	<0.05	5	0.6	<0.2
129439	Soil	3	35	1.71	152	0.217	<1	2.63	0.029	0.10	<0.1	<0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
129440	Soil	2	30	1.54	163	0.217	<1	2.50	0.027	0.19	<0.1	<0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
129441	Soil	9	35	0.85	181	0.109	<1	1.85	0.021	0.06	0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
129442	Soil	6	26	0.67	173	0.096	1	1.82	0.015	0.13	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
129443	Soil	11	28	0.68	260	0.098	1	1.67	0.022	0.06	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
129444	Soil	0.6	24.6	6.9	50	<0.1	16.6	11.4	342	2.74	4.2	1.2	2.8	2.3	23	<0.1	0.2	<0.1	62	0.45
124424	Soil	0.6	32.4	9.1	58	<0.1	56.5	15.9	511	2.93	4.7	1.2	2.4	3.2	34	0.1	0.4	0.2	61	0.82
124425	Soil	0.7	27.6	8.5	63	<0.1	24.8	12.2	437	2.92	4.3	0.9	1.8	3.2	34	0.2	0.5	0.1	61	0.92
124426	Soil	0.7	41.9	9.3	67	0.1	25.2	12.7	461	3.29	5.5	1.1	3.4	2.6	34	0.1	0.6	0.2	74	0.85
124427	Soil	0.7	48.0	8.9	79	<0.1	23.0	13.9	564	3.69	5.8	0.6	3.8	3.6	28	0.1	0.8	0.1	77	0.72
124428	Soil	0.5	63.4	12.5	80	<0.1	20.6	23.2	1214	4.55	1.4	0.9	3.1	6.6	19	0.2	0.6	0.1	77	0.65
124429	Soil	0.8	50.1	10.9	89	0.1	21.4	17.8	1318	5.16	5.0	0.5	2.7	2.9	26	0.3	0.4	0.2	75	0.60
124430	Soil	0.5	44.6	7.1	71	<0.1	24.8	16.2	506	4.12	4.0	0.4	3.4	3.4	24	<0.1	0.3	0.2	87	0.45
124431	Soil	1.3	15.7	9.3	44	0.1	14.7	7.8	325	3.29	6.9	0.4	<0.5	1.8	17	<0.1	0.4	0.2	92	0.22
124432	Soil	0.9	20.7	8.9	61	<0.1	23.6	11.8	347	3.29	7.8	0.6	1.7	4.0	23	<0.1	0.5	0.2	60	0.39
124433	Soil	0.8	29.6	8.3	55	<0.1	21.8	9.5	345	3.09	7.7	0.7	3.9	3.7	22	<0.1	0.5	0.1	64	0.25
124434	Soil	1.0	38.0	5.6	73	<0.1	18.2	15.2	642	3.99	4.4	0.3	4.5	1.3	9	<0.1	0.2	<0.1	83	0.24
124435	Soil	0.9	32.9	9.2	66	<0.1	23.3	12.6	364	3.45	8.3	0.3	2.7	1.8	15	0.1	0.4	0.1	84	0.24
124436	Soil	0.9	31.4	9.4	71	<0.1	25.9	12.5	364	3.43	9.1	0.9	2.9	4.7	22	<0.1	0.5	0.2	74	0.28
124437	Soil	0.9	24.2	9.1	110	0.1	18.7	13.5	855	3.97	3.7	0.4	2.1	2.7	16	0.3	0.2	0.1	70	0.40
124438	Soil	0.8	25.4	15.0	76	0.1	14.6	8.9	483	2.76	7.1	0.5	2.4	2.5	15	0.2	0.7	0.2	50	0.24
124439	Soil	1.5	16.4	10.8	61	0.1	9.5	6.8	334	2.87	7.3	0.4	2.0	2.0	13	0.2	0.3	0.2	62	0.13
124440	Soil	1.1	33.6	17.3	81	<0.1	15.7	8.6	271	3.96	14.0	0.4	2.7	2.1	11	0.2	0.9	0.3	63	0.10
124441	Soil	1.0	56.8	16.0	138	0.1	9.9	8.7	729	2.85	5.8	0.5	2.2	1.4	18	0.6	0.4	0.2	57	0.15
124442	Soil	0.9	264.4	15.0	252	0.4	15.0	11.7	331	3.57	6.7	2.0	2.8	2.1	36	0.8	0.3	0.3	71	0.42
124443	Soil	1.1	22.3	17.8	97	<0.1	16.5	9.8	263	3.26	9.4	0.4	4.6	2.3	17	0.3	0.5	0.3	74	0.17
124444	Soil	1.2	30.5	13.1	94	0.1	15.3	9.2	423	3.48	6.6	0.6	2.3	3.1	19	0.3	1.7	0.2	51	0.33
124445	Soil	0.6	31.0	9.3	123	0.2	13.8	9.2	424	3.85	5.6	0.9	1.4	3.9	24	0.2	1.7	0.1	52	0.54
124446	Soil	0.5	39.9	16.5	154	0.1	9.2	12.6	898	5.15	5.1	0.7	3.1	4.4	16	0.2	1.8	<0.1	50	0.38
124447	Soil	0.7	32.5	11.3	83	<0.1	16.0	13.9	610	4.20	6.6	0.6	4.3	2.6	22	0.3	0.7	0.1	80	0.46
124448	Soil	1.0	48.4	9.7	75	0.1	16.6	12.5	477	3.37	7.5	0.7	5.8	3.1	19	0.1	1.1	0.2	67	0.31
124449	Soil	1.1	24.8	10.0	90	<0.1	9.9	9.3	429	3.17	5.1	0.4	1.2	1.7	12	0.2	0.7	0.2	55	0.17
124450	Soil	1.4	12.9	10.1	54	<0.1	9.7	4.9	208	2.37	7.7	0.3	1.9	1.5	11	0.1	0.8	0.2	57	0.10
124451	Soil	0.7	38.4	19.7	75	0.3	16.2	11.5	671	2.79	8.4	1.2	6.2	2.5	25	0.4	5.0	0.2	41	0.77
124452	Soil	1.1	27.2	14.4	69	0.2	17.2	9.6	484	3.02	7.2	1.1	4.5	3.4	25	0.2	2.6	0.2	47	0.43



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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
129444	Soil	8	29	0.84	225	0.110	<1	1.84	0.024	0.07	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
124424	Soil	14	152	1.04	380	0.060	2	2.00	0.021	0.05	0.2	0.03	6.4	<0.1	<0.05	6	<0.5	<0.2
124425	Soil	12	55	0.82	360	0.064	2	1.85	0.027	0.07	0.2	0.05	6.1	<0.1	<0.05	5	0.5	<0.2
124426	Soil	13	62	0.87	350	0.062	<1	2.20	0.024	0.06	0.2	0.04	7.4	<0.1	<0.05	6	<0.5	<0.2
124427	Soil	15	39	0.84	359	0.073	1	2.17	0.026	0.09	0.2	0.03	8.3	<0.1	<0.05	6	<0.5	<0.2
124428	Soil	20	21	1.13	523	0.046	<1	2.15	0.010	0.38	0.2	0.01	8.6	0.2	<0.05	5	<0.5	<0.2
124429	Soil	13	26	0.64	467	0.048	1	1.69	0.024	0.10	0.2	0.04	9.2	0.1	<0.05	5	0.7	<0.2
124430	Soil	11	51	1.26	306	0.062	<1	2.68	0.015	0.10	0.1	<0.01	6.2	0.1	<0.05	8	0.6	<0.2
124431	Soil	8	36	0.58	151	0.072	1	1.86	0.013	0.07	0.1	0.02	3.4	0.1	<0.05	8	<0.5	<0.2
124432	Soil	11	36	0.61	253	0.055	<1	2.32	0.015	0.06	0.1	<0.01	5.3	<0.1	<0.05	6	0.5	<0.2
124433	Soil	12	37	0.62	277	0.067	<1	2.09	0.018	0.06	0.1	0.02	5.8	<0.1	<0.05	6	0.7	<0.2
124434	Soil	4	38	1.05	116	0.060	<1	1.87	0.022	0.06	<0.1	<0.01	6.1	<0.1	<0.05	8	0.6	<0.2
124435	Soil	6	37	0.83	208	0.097	<1	2.32	0.020	0.06	0.1	0.02	3.8	<0.1	<0.05	7	0.6	<0.2
124436	Soil	17	44	0.65	543	0.066	<1	2.25	0.020	0.07	<0.1	0.02	7.1	<0.1	<0.05	6	0.7	<0.2
124437	Soil	9	38	0.81	290	0.035	<1	1.80	0.011	0.08	<0.1	0.01	4.6	<0.1	<0.05	8	0.9	<0.2
124438	Soil	10	23	0.41	417	0.024	<1	1.61	0.012	0.06	<0.1	0.02	3.5	0.1	<0.05	5	0.9	<0.2
124439	Soil	10	22	0.31	197	0.037	<1	1.71	0.009	0.06	<0.1	0.01	2.4	<0.1	<0.05	6	0.8	<0.2
124440	Soil	9	26	0.40	168	0.032	<1	1.89	0.010	0.06	<0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
124441	Soil	10	18	0.34	840	0.037	<1	1.23	0.014	0.05	<0.1	0.02	4.1	<0.1	<0.05	5	0.7	<0.2
124442	Soil	19	24	0.42	1291	0.033	<1	2.12	0.015	0.07	0.2	0.04	7.5	0.1	<0.05	6	0.7	<0.2
124443	Soil	8	30	0.48	395	0.073	<1	2.14	0.013	0.05	0.1	0.01	3.1	<0.1	<0.05	7	<0.5	<0.2
124444	Soil	15	27	0.41	610	0.044	<1	1.66	0.014	0.06	0.2	0.03	5.7	0.1	<0.05	5	0.6	<0.2
124445	Soil	13	21	0.50	545	0.030	<1	1.53	0.018	0.06	0.2	0.05	7.9	0.1	<0.05	5	<0.5	<0.2
124446	Soil	12	14	0.32	472	0.016	1	1.18	0.010	0.07	0.2	0.04	8.6	0.2	<0.05	4	0.7	<0.2
124447	Soil	13	25	0.66	523	0.052	<1	2.03	0.017	0.08	0.2	0.02	7.6	0.1	<0.05	6	0.9	<0.2
124448	Soil	13	32	0.54	364	0.046	<1	1.79	0.017	0.05	0.1	0.03	6.4	<0.1	<0.05	5	0.7	<0.2
124449	Soil	12	19	0.38	221	0.036	1	1.28	0.010	0.05	<0.1	0.01	3.8	0.1	<0.05	5	<0.5	<0.2
124450	Soil	11	21	0.26	112	0.059	<1	1.15	0.009	0.05	0.1	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
124451	Soil	16	24	0.36	888	0.042	2	1.56	0.018	0.05	0.2	0.13	7.1	0.1	<0.05	4	0.5	<0.2
124452	Soil	13	28	0.45	437	0.064	2	1.49	0.019	0.09	0.2	0.08	5.6	0.1	<0.05	4	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo 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
124453	Soil	0.8	23.1	13.4	70	0.1	18.6	11.0	575	3.12	7.0	1.3	5.1	3.8	28	0.2	1.0	0.2	51	0.57	0.046
124454	Soil	0.8	15.0	11.6	59	<0.1	13.8	9.0	359	2.91	6.1	0.9	5.3	3.0	25	0.1	0.8	0.2	54	0.46	0.030
124455	Soil	0.9	17.8	13.0	58	<0.1	15.4	11.9	645	2.94	4.7	2.3	2.4	3.6	35	0.2	0.8	0.2	42	0.93	0.047
124456	Soil	0.9	18.6	11.8	71	0.1	16.8	11.1	474	3.27	6.7	0.9	7.9	3.6	32	0.1	1.2	0.3	51	0.66	0.036
124457	Soil	0.9	16.0	10.5	49	<0.1	17.3	9.4	327	2.58	6.8	0.6	4.0	2.2	16	0.2	0.4	0.1	53	0.18	0.035
124458	Soil	0.7	21.6	9.1	51	<0.1	19.9	10.4	306	2.58	7.2	0.7	2.7	2.1	21	0.1	0.4	0.1	60	0.26	0.045
124459	Soil	0.5	15.4	28.8	44	<0.1	14.6	7.3	240	2.30	5.6	0.6	1.8	2.4	16	0.3	0.4	0.1	50	0.19	0.029
124460	Soil	0.6	10.8	7.5	18	<0.1	5.9	2.3	68	0.98	2.5	0.3	3.1	<0.1	10	0.2	0.1	<0.1	24	0.08	0.032
124461	Soil	0.7	21.1	7.6	28	0.2	12.9	3.6	103	1.38	3.9	0.7	0.8	0.2	19	0.3	0.3	0.1	28	0.17	0.047
124462	Soil	0.5	18.5	9.8	49	<0.1	15.9	7.5	268	2.41	6.2	0.7	1.1	2.7	17	0.2	0.3	0.1	51	0.19	0.035
124463	Soil	0.7	18.4	12.0	52	<0.1	18.4	9.9	313	2.57	7.7	0.6	1.2	2.0	18	0.5	0.3	0.1	54	0.20	0.037
124464	Soil	0.8	24.3	15.2	57	<0.1	19.3	10.4	411	2.92	6.9	0.6	3.9	2.2	16	0.4	0.3	0.1	64	0.21	0.042
124465	Soil	1.0	10.5	13.8	19	<0.1	5.3	2.9	125	1.31	3.9	0.5	<0.5	0.3	9	<0.1	0.2	0.1	37	0.08	0.028
124466	Soil	0.6	17.4	20.3	46	<0.1	18.5	10.0	333	2.35	4.8	0.8	1.4	3.8	18	0.1	0.3	<0.1	46	0.21	0.028
124467	Soil	0.5	13.7	10.3	42	<0.1	12.9	7.7	318	2.55	4.3	0.6	8.7	3.9	15	0.2	0.2	<0.1	44	0.18	0.023
124468	Soil	1.0	18.2	13.8	50	<0.1	20.6	10.1	349	2.81	10.4	0.7	2.0	3.8	18	0.3	0.4	0.2	61	0.17	0.034
124469	Soil	1.3	19.3	15.4	56	0.1	21.2	11.2	360	3.12	9.8	0.6	1.9	3.2	15	0.3	0.5	0.2	70	0.14	0.022
124470	Soil	1.2	11.8	20.8	32	0.1	6.4	2.6	108	1.55	4.1	0.3	2.8	0.4	10	0.2	0.4	0.2	55	0.07	0.029
124471	Soil	1.7	17.2	79.7	55	<0.1	19.3	10.8	527	3.49	10.2	0.7	4.4	2.9	13	0.2	0.6	0.2	75	0.13	0.036
124472	Soil	2.3	17.4	50.0	54	0.2	15.5	7.0	252	3.68	9.7	0.6	10.7	2.8	12	0.2	0.5	0.3	91	0.12	0.037
124473	Soil	2.5	17.6	41.1	61	0.2	16.8	9.1	349	4.29	11.6	0.5	13.3	2.7	14	0.2	0.6	0.3	95	0.17	0.029
124474	Soil	1.7	29.4	22.1	63	0.3	22.8	9.3	392	3.41	9.4	0.6	3.0	0.8	19	0.4	0.5	0.2	68	0.24	0.051
124475	Soil	1.4	48.7	17.0	76	<0.1	24.7	17.2	646	4.46	11.9	0.7	12.0	1.7	15	0.2	0.4	0.2	87	0.18	0.053
124476	Soil	1.5	32.0	20.8	60	0.1	18.6	12.3	496	3.21	8.9	0.5	3.6	1.4	14	0.2	0.4	0.2	73	0.18	0.052
124477	Soil	1.1	28.3	16.0	61	<0.1	20.9	11.0	365	3.26	8.2	0.5	4.3	2.3	17	0.1	0.4	0.2	76	0.20	0.028
124478	Soil	1.3	29.3	21.4	68	0.1	22.8	13.6	599	3.69	9.7	0.6	13.8	2.6	17	0.2	0.4	0.2	81	0.21	0.055
124479	Soil	0.8	21.2	16.3	52	<0.1	14.2	11.0	458	2.74	4.7	0.7	8.8	3.6	13	0.1	0.3	0.1	44	0.22	0.045
124480	Soil	1.8	15.6	16.5	56	<0.1	16.4	8.9	475	3.27	9.5	0.4	12.3	1.6	16	0.3	0.4	0.2	69	0.19	0.057
124481	Soil	1.7	16.2	13.0	49	0.1	16.6	7.6	351	3.06	8.4	0.5	6.4	2.0	15	0.2	0.4	0.2	72	0.15	0.035
124482	Soil	1.2	25.8	20.0	49	0.2	16.4	8.6	410	2.57	5.7	1.0	20.5	3.7	16	0.3	0.4	0.2	51	0.20	0.044



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
124453	Soil	14	28	0.50	442	0.048	1	1.75	0.018	0.07	0.1	0.07	6.8	<0.1	<0.05	4	<0.5	<0.2
124454	Soil	12	24	0.43	355	0.034	1	1.69	0.015	0.07	0.1	0.02	4.2	0.1	<0.05	5	<0.5	<0.2
124455	Soil	13	22	0.40	346	0.029	1	1.23	0.022	0.07	0.2	0.07	6.4	<0.1	<0.05	3	<0.5	<0.2
124456	Soil	12	27	0.48	458	0.049	1	1.55	0.022	0.08	0.1	0.07	5.3	<0.1	<0.05	4	<0.5	<0.2
124457	Soil	10	31	0.51	141	0.073	1	1.82	0.014	0.05	0.1	0.03	3.5	<0.1	<0.05	6	0.6	<0.2
124458	Soil	12	34	0.58	215	0.077	1	1.93	0.016	0.05	<0.1	0.03	3.9	<0.1	<0.05	5	0.8	<0.2
124459	Soil	10	28	0.53	116	0.083	1	1.56	0.017	0.05	0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
124460	Soil	4	10	0.14	69	0.028	<1	0.61	0.019	0.03	<0.1	0.02	0.6	<0.1	<0.05	3	<0.5	<0.2
124461	Soil	13	18	0.19	256	0.026	<1	1.23	0.020	0.05	<0.1	0.05	1.3	<0.1	<0.05	4	<0.5	<0.2
124462	Soil	13	28	0.53	153	0.084	1	1.76	0.013	0.06	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
124463	Soil	9	35	0.60	138	0.087	1	1.89	0.016	0.07	0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
124464	Soil	9	35	0.66	95	0.103	1	1.74	0.019	0.08	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
124465	Soil	7	14	0.19	50	0.049	<1	0.76	0.013	0.05	<0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
124466	Soil	13	33	0.61	149	0.101	<1	1.70	0.017	0.07	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
124467	Soil	11	23	0.57	157	0.125	<1	1.78	0.013	0.14	0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
124468	Soil	11	34	0.58	207	0.079	1	2.29	0.017	0.06	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
124469	Soil	10	37	0.54	239	0.078	<1	2.38	0.013	0.05	0.1	0.01	3.5	0.1	<0.05	7	<0.5	<0.2
124470	Soil	7	14	0.11	120	0.065	<1	0.72	0.012	0.04	<0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
124471	Soil	11	35	0.45	284	0.054	2	2.04	0.010	0.07	0.1	0.03	3.4	<0.1	<0.05	8	0.7	<0.2
124472	Soil	10	33	0.42	205	0.075	2	2.18	0.011	0.05	0.2	0.03	3.4	0.1	<0.05	9	<0.5	<0.2
124473	Soil	11	40	0.58	233	0.074	3	2.12	0.011	0.05	0.1	0.02	3.8	0.1	<0.05	9	0.6	<0.2
124474	Soil	11	39	0.49	238	0.054	2	2.12	0.015	0.06	0.1	0.04	3.6	<0.1	0.06	7	0.6	<0.2
124475	Soil	9	49	0.74	212	0.074	2	2.81	0.012	0.07	0.1	0.03	4.7	<0.1	<0.05	9	0.7	<0.2
124476	Soil	8	35	0.60	143	0.078	2	1.69	0.012	0.06	0.1	0.02	3.2	<0.1	<0.05	7	0.6	<0.2
124477	Soil	9	42	0.69	176	0.091	2	2.24	0.013	0.06	0.1	0.02	3.9	<0.1	<0.05	7	0.6	<0.2
124478	Soil	9	43	0.66	187	0.091	2	2.49	0.011	0.07	0.1	0.03	3.9	<0.1	<0.05	8	<0.5	<0.2
124479	Soil	10	25	0.54	149	0.085	1	1.50	0.013	0.15	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
124480	Soil	9	31	0.45	219	0.058	1	1.75	0.010	0.08	0.2	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
124481	Soil	9	30	0.42	244	0.067	2	1.99	0.010	0.05	0.1	0.03	2.9	<0.1	<0.05	8	<0.5	<0.2
124482	Soil	29	28	0.37	366	0.063	2	1.75	0.013	0.09	0.2	0.03	3.6	<0.1	<0.05	5	0.7	<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
124483	Soil	2.2	17.4	17.4	53	<0.1	16.6	7.2	285	2.92	7.1	0.6	6.3	3.4	19	0.1	0.4	0.2	65	0.25
124484	Soil	1.3	19.5	17.2	53	<0.1	18.1	8.6	363	2.89	7.4	0.8	16.5	4.6	21	0.1	0.4	0.1	60	0.28
124485	Soil	1.2	19.8	12.0	52	0.1	19.3	8.4	336	2.75	6.8	0.8	9.9	3.9	24	0.1	0.4	0.1	62	0.33
124486	Soil	0.8	16.4	10.4	48	<0.1	16.4	9.0	299	2.54	6.1	0.7	15.5	3.9	20	<0.1	0.4	0.1	56	0.26
124487	Soil	0.6	7.9	4.4	48	<0.1	7.9	11.0	556	2.73	3.5	0.9	1.4	5.4	10	<0.1	0.1	<0.1	27	0.15
123383	Soil	0.7	21.5	30.4	50	0.1	22.9	10.4	268	2.82	8.8	0.6	2.9	2.4	25	0.1	0.6	0.2	58	0.32
123384	Soil	1.2	24.6	16.4	65	0.1	24.3	13.0	601	3.13	10.4	0.5	2.5	2.9	17	0.1	0.8	0.2	66	0.18
123385	Soil	0.7	19.1	47.9	59	<0.1	14.2	7.6	244	2.68	6.7	0.4	1.5	2.3	24	0.2	1.2	0.2	56	0.19
123386	Soil	0.7	30.5	13.9	54	0.1	20.2	10.1	327	2.68	6.4	1.3	2.4	2.6	28	<0.1	0.5	0.2	56	0.38
123387	Soil	1.0	26.5	18.8	49	0.3	17.1	10.3	353	2.74	7.5	0.8	1.9	1.8	26	0.1	0.4	0.2	57	0.29
123388	Soil	1.1	14.7	28.2	41	<0.1	14.1	8.1	204	2.69	6.7	0.4	5.4	1.7	28	<0.1	0.4	0.1	52	0.30
123389	Soil	1.1	17.8	30.6	43	0.1	16.0	7.3	177	2.76	7.3	0.6	2.0	1.9	27	0.2	0.3	0.2	57	0.27
123390	Soil	1.0	16.3	24.6	42	0.1	13.0	7.0	187	2.51	6.3	0.5	1.0	1.4	24	0.1	0.3	0.1	49	0.26
123391	Soil	0.7	34.4	26.8	55	<0.1	8.5	14.3	539	5.47	4.9	0.7	0.5	2.1	17	<0.1	0.7	0.1	41	0.51
123392	Soil	0.4	6.6	4.3	40	<0.1	6.8	6.1	646	2.66	2.6	0.5	<0.5	2.3	12	<0.1	0.9	0.1	46	0.36
123393	Soil	1.0	12.1	10.8	42	<0.1	21.0	10.3	259	2.58	5.4	0.5	0.9	1.9	20	<0.1	0.3	0.1	60	0.32
123394	Soil	0.7	16.9	5.4	65	<0.1	9.8	8.7	874	3.42	1.7	1.1	<0.5	10.2	18	<0.1	0.3	<0.1	34	0.38
123395	Soil	1.2	14.3	14.9	51	<0.1	15.9	8.0	308	2.65	8.1	0.8	1.0	5.0	13	0.1	0.4	0.2	51	0.14
123396	Soil	1.6	19.9	12.9	58	<0.1	15.7	10.1	370	3.15	5.9	1.1	1.1	9.7	21	<0.1	0.4	0.1	54	0.27
123397	Soil	0.9	4.0	15.1	12	<0.1	4.0	2.6	153	1.04	2.1	1.0	<0.5	7.4	11	<0.1	0.6	<0.1	11	0.38
123398	Soil	0.4	21.4	9.6	142	<0.1	12.4	19.3	838	4.34	3.2	1.3	<0.5	7.8	13	<0.1	0.7	0.8	54	0.24
123399	Soil	0.6	16.2	5.5	82	<0.1	17.4	27.5	898	4.88	3.4	0.7	<0.5	3.7	49	<0.1	0.3	<0.1	97	0.80
123400	Soil	0.6	2.1	24.2	9	<0.1	1.9	2.0	214	0.38	1.5	1.0	<0.5	5.0	17	<0.1	0.3	0.8	4	0.05
123401	Soil	1.4	8.7	11.1	67	<0.1	11.7	16.9	697	3.54	6.8	0.3	<0.5	2.5	20	<0.1	0.5	0.2	88	0.26
123402	Soil	0.5	8.6	3.5	106	<0.1	17.7	30.9	1020	5.62	3.4	0.3	<0.5	2.0	20	0.1	0.3	0.1	92	0.24
123403	Soil	1.5	14.2	10.8	53	<0.1	18.7	11.2	292	3.30	8.1	0.4	2.4	3.3	17	0.1	0.6	1.3	74	0.23
123404	Soil	1.0	22.2	8.8	52	<0.1	22.2	12.8	752	2.85	5.0	0.9	2.2	2.6	37	0.1	0.4	0.2	56	0.89
123405	Soil	0.8	22.0	10.3	49	<0.1	20.8	10.8	494	2.80	6.6	0.9	1.9	4.3	26	<0.1	0.4	0.2	62	0.50
123406	Soil	0.6	24.9	8.7	53	<0.1	20.5	14.1	438	3.19	7.3	1.3	4.3	6.5	27	<0.1	0.4	0.2	69	0.43
123407	Soil	2.6	20.5	10.8	83	0.2	16.4	13.9	561	4.06	7.2	1.1	1.7	6.5	23	0.1	2.4	0.3	66	0.51



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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
124483	Soil	14	32	0.44	324	0.084	2	1.65	0.014	0.08	0.2	0.03	3.3	<0.1	<0.05	6	0.5	<0.2
124484	Soil	16	34	0.54	342	0.071	<1	1.85	0.012	0.05	0.2	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
124485	Soil	14	34	0.56	272	0.081	1	1.84	0.014	0.06	0.2	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
124486	Soil	13	31	0.52	220	0.083	2	1.73	0.013	0.05	0.2	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
124487	Soil	11	14	0.46	178	0.129	<1	1.45	0.008	0.47	<0.1	0.01	2.8	0.1	<0.05	6	<0.5	<0.2
123383	Soil	10	30	0.52	534	0.046	3	2.07	0.015	0.05	0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
123384	Soil	9	35	0.44	251	0.061	2	2.20	0.012	0.04	<0.1	0.04	3.6	<0.1	<0.05	6	<0.5	<0.2
123385	Soil	7	26	0.47	152	0.075	2	1.89	0.013	0.03	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
123386	Soil	14	32	0.55	367	0.069	2	1.98	0.019	0.04	0.1	0.05	5.0	<0.1	<0.05	6	0.5	<0.2
123387	Soil	11	30	0.45	341	0.060	2	2.03	0.016	0.04	0.1	0.05	4.6	<0.1	<0.05	7	<0.5	<0.2
123388	Soil	8	26	0.43	227	0.064	1	1.91	0.014	0.03	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
123389	Soil	9	29	0.41	225	0.070	2	2.04	0.015	0.04	0.1	0.03	3.7	<0.1	<0.05	7	0.6	<0.2
123390	Soil	8	26	0.39	191	0.058	1	1.68	0.015	0.04	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
123391	Soil	5	11	0.47	314	0.009	2	1.80	0.008	0.04	<0.1	0.02	12.7	<0.1	<0.05	8	0.5	<0.2
123392	Soil	7	8	0.57	175	0.008	<1	1.27	0.009	0.02	<0.1	<0.01	7.7	<0.1	<0.05	6	<0.5	<0.2
123393	Soil	10	48	0.73	237	0.053	1	1.83	0.018	0.03	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
123394	Soil	41	10	0.63	678	0.033	<1	1.55	0.007	0.17	<0.1	0.01	4.3	<0.1	<0.05	7	0.8	<0.2
123395	Soil	13	28	0.41	189	0.039	1	1.86	0.011	0.06	0.1	0.02	3.0	<0.1	<0.05	5	0.5	<0.2
123396	Soil	20	32	0.69	403	0.062	2	1.91	0.014	0.08	0.1	0.03	4.5	<0.1	<0.05	7	<0.5	<0.2
123397	Soil	5	7	0.07	232	0.002	<1	0.50	0.006	0.04	1.2	0.02	3.4	<0.1	<0.05	1	<0.5	<0.2
123398	Soil	16	21	1.37	297	0.003	1	2.52	0.006	0.14	<0.1	<0.01	7.5	<0.1	<0.05	6	<0.5	<0.2
123399	Soil	8	38	2.52	144	0.144	<1	3.41	0.007	0.04	<0.1	<0.01	6.0	<0.1	<0.05	9	<0.5	<0.2
123400	Soil	5	4	0.05	178	<0.001	1	0.38	0.002	0.06	0.2	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
123401	Soil	7	27	0.96	226	0.100	1	2.23	0.011	0.11	0.3	0.02	2.9	0.1	<0.05	9	<0.5	<0.2
123402	Soil	3	29	3.02	126	0.159	<1	3.61	0.005	0.27	0.3	<0.01	1.4	0.1	<0.05	9	<0.5	<0.2
123403	Soil	9	30	0.73	205	0.064	2	2.03	0.012	0.06	0.9	0.01	3.2	<0.1	<0.05	7	<0.5	<0.2
123404	Soil	18	36	0.83	478	0.037	1	1.81	0.015	0.06	0.2	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
123405	Soil	20	35	0.68	300	0.070	<1	1.71	0.016	0.05	0.2	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
123406	Soil	22	36	0.78	312	0.072	<1	2.11	0.020	0.05	0.2	0.03	6.7	<0.1	<0.05	6	<0.5	<0.2
123407	Soil	13	24	0.66	325	0.021	3	1.50	0.016	0.08	0.4	0.04	9.1	0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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
123408	Soil	2.0	15.1	9.9	64	<0.1	11.7	15.7	559	4.27	6.6	1.0	2.6	7.2	19	<0.1	1.2	0.2	71	0.47	0.026
123409	Soil	1.3	16.0	13.4	46	0.2	16.5	10.4	371	2.82	6.6	1.0	0.9	5.1	24	0.1	1.0	0.1	53	0.50	0.023
123410	Soil	1.2	18.9	15.3	50	<0.1	18.2	12.6	358	3.29	7.6	0.7	2.1	5.0	24	0.1	0.8	0.2	63	0.43	0.025
123411	Soil	1.8	28.3	12.3	73	0.2	20.8	17.6	707	4.23	6.7	1.1	2.8	8.1	22	<0.1	1.4	0.3	64	0.48	0.030
123412	Soil	4.5	29.8	126.2	114	7.1	14.2	16.0	582	3.89	12.0	1.5	5.7	7.5	18	0.3	14.9	0.2	49	0.42	0.026
123413	Soil	3.1	30.5	49.3	75	1.9	17.3	15.1	792	3.55	6.5	1.3	4.1	6.3	28	0.2	4.2	0.3	54	0.62	0.043
123414	Soil	1.9	29.0	25.9	64	0.6	21.6	11.9	495	3.09	6.1	1.6	10.7	6.8	25	0.1	1.6	0.2	53	0.56	0.035
123415	Soil	1.8	26.9	23.3	61	0.4	22.1	14.3	630	3.25	6.8	1.6	1.4	6.4	27	0.2	1.3	0.2	55	0.62	0.041
123416	Soil	1.3	32.4	21.4	54	0.5	23.7	10.5	405	2.72	5.7	1.7	2.6	4.1	33	0.1	1.0	0.2	49	0.85	0.045
123417	Soil	1.6	24.0	17.7	59	0.3	20.8	11.0	387	2.87	6.3	1.4	2.9	6.2	33	0.2	1.0	0.2	55	0.71	0.043
123418	Soil	1.4	26.3	20.2	53	0.3	22.3	11.1	470	2.69	5.2	1.6	2.9	4.4	36	<0.1	0.8	0.2	51	0.85	0.044
123419	Soil	1.0	26.8	12.6	54	0.2	21.8	11.6	442	2.74	5.0	1.9	3.5	5.2	37	0.1	0.7	0.2	51	0.86	0.048
123420	Soil	1.6	37.6	17.6	84	0.2	23.4	13.8	529	3.75	11.6	0.8	15.7	3.3	16	0.2	0.3	0.2	69	0.21	0.059
123421	Soil	1.5	37.0	10.9	80	0.1	20.2	11.9	437	3.48	11.4	0.8	7.7	2.4	18	0.1	0.5	0.1	70	0.22	0.050
123422	Soil	1.3	29.9	16.1	64	0.1	20.4	10.2	343	2.93	10.0	0.8	12.6	1.4	18	<0.1	0.4	0.1	61	0.21	0.058
123423	Soil	0.8	34.2	7.5	71	<0.1	21.8	11.0	435	2.82	8.6	0.7	4.9	3.4	23	<0.1	0.3	<0.1	60	0.30	0.060
123424	Soil	0.8	30.3	8.1	65	0.1	21.0	10.4	379	2.72	7.7	0.7	2.9	2.2	26	0.1	0.3	0.1	59	0.30	0.063
123425	Soil	0.9	25.5	9.0	59	<0.1	16.3	11.1	327	3.12	8.4	0.6	3.6	2.2	15	0.2	0.3	0.1	72	0.21	0.047
123426	Soil	1.0	26.0	9.4	61	<0.1	17.6	9.9	318	3.07	9.1	0.6	3.1	1.3	16	0.2	0.3	0.1	67	0.20	0.059
123427	Soil	0.8	17.8	6.5	23	<0.1	7.1	3.3	87	1.45	4.6	0.5	2.1	<0.1	11	<0.1	0.2	<0.1	34	0.09	0.060
123428	Soil	0.7	44.1	11.6	67	<0.1	16.5	16.6	364	2.92	5.1	0.3	1.1	1.5	14	0.1	0.2	<0.1	72	0.24	0.045
123429	Soil	0.8	28.2	7.3	52	<0.1	17.2	12.6	315	2.80	7.7	0.5	2.2	1.9	15	<0.1	0.3	0.1	64	0.21	0.051
123430	Soil	0.8	15.7	8.9	53	<0.1	13.4	8.9	341	2.85	6.6	0.5	1.4	1.5	17	0.1	0.3	0.1	59	0.20	0.058
123431	Soil	0.8	19.9	10.3	57	<0.1	24.0	11.9	390	3.03	9.8	0.6	3.6	3.2	17	0.3	0.5	0.1	56	0.20	0.044
123432	Soil	1.2	17.7	8.8	40	<0.1	14.2	6.8	268	2.27	5.6	0.6	2.1	1.0	12	0.2	0.3	0.1	44	0.10	0.036
123433	Soil	1.3	11.2	8.8	21	0.1	7.2	2.7	80	1.28	2.8	0.4	2.5	0.2	12	0.1	0.3	0.1	33	0.08	0.034
123434	Soil	1.2	52.1	9.4	39	0.1	15.9	6.0	188	2.56	6.2	1.8	4.8	0.9	17	0.2	0.3	0.2	52	0.14	0.041
123435	Soil	0.5	5.9	4.1	11	<0.1	3.2	1.5	28	0.50	1.1	0.2	1.9	<0.1	7	0.1	0.2	<0.1	13	0.04	0.029
123436	Soil	0.5	10.4	3.2	27	0.1	4.2	2.2	63	0.92	2.3	0.3	2.3	0.3	6	0.1	0.1	<0.1	18	0.05	0.022
123437	Soil	1.0	21.6	8.4	68	0.1	14.1	7.5	174	2.36	5.6	0.6	6.3	1.7	18	0.1	0.2	0.1	50	0.23	0.042



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
123408	Soil	12	23	0.91	387	0.011	1	2.10	0.010	0.09	0.5	0.02	7.4	<0.1	<0.05	6	<0.5	<0.2
123409	Soil	14	26	0.53	382	0.037	2	1.57	0.015	0.07	0.2	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
123410	Soil	11	31	0.70	348	0.039	<1	1.99	0.012	0.07	0.2	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
123411	Soil	20	29	0.88	389	0.028	1	1.89	0.016	0.08	0.2	0.05	9.3	0.1	<0.05	5	0.8	<0.2
123412	Soil	15	24	0.43	287	0.015	2	1.31	0.011	0.10	0.4	0.11	8.2	0.2	<0.05	3	<0.5	<0.2
123413	Soil	17	31	0.65	556	0.028	1	1.73	0.015	0.08	0.4	0.09	7.3	<0.1	<0.05	5	<0.5	<0.2
123414	Soil	19	34	0.55	337	0.052	1	1.54	0.018	0.09	0.2	0.07	6.6	<0.1	<0.05	4	<0.5	<0.2
123415	Soil	19	36	0.54	422	0.050	<1	1.82	0.021	0.08	0.2	0.06	6.5	<0.1	<0.05	5	<0.5	<0.2
123416	Soil	17	32	0.54	388	0.050	<1	1.69	0.020	0.06	0.2	0.06	5.6	<0.1	<0.05	5	<0.5	<0.2
123417	Soil	15	37	0.57	292	0.065	<1	1.71	0.019	0.07	0.2	0.04	5.2	<0.1	<0.05	5	<0.5	<0.2
123418	Soil	16	33	0.53	311	0.053	1	1.73	0.016	0.06	0.2	0.05	5.0	<0.1	<0.05	5	<0.5	<0.2
123419	Soil	15	33	0.56	301	0.055	<1	1.74	0.017	0.06	0.2	0.05	5.1	<0.1	<0.05	5	<0.5	<0.2
123420	Soil	16	35	0.72	324	0.080	<1	2.29	0.011	0.10	0.1	0.05	4.7	0.1	<0.05	6	<0.5	<0.2
123421	Soil	11	33	0.69	278	0.083	2	2.18	0.011	0.10	<0.1	0.04	4.4	0.1	<0.05	6	<0.5	<0.2
123422	Soil	13	32	0.59	297	0.068	1	1.94	0.011	0.07	0.1	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
123423	Soil	16	32	0.65	336	0.106	<1	1.55	0.014	0.13	0.1	0.02	4.8	0.1	<0.05	5	<0.5	<0.2
123424	Soil	13	32	0.61	336	0.082	1	1.74	0.014	0.07	0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
123425	Soil	10	29	0.70	175	0.117	<1	1.92	0.010	0.13	<0.1	0.01	3.6	0.1	<0.05	6	<0.5	<0.2
123426	Soil	9	30	0.59	152	0.085	1	1.95	0.011	0.10	<0.1	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
123427	Soil	5	15	0.18	101	0.025	<1	0.93	0.021	0.04	<0.1	0.02	0.8	<0.1	<0.05	4	<0.5	<0.2
123428	Soil	6	23	0.78	143	0.110	<1	1.83	0.022	0.14	<0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
123429	Soil	9	27	0.59	152	0.089	<1	1.86	0.015	0.07	0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
123430	Soil	8	24	0.59	132	0.092	1	1.93	0.013	0.09	0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
123431	Soil	9	33	0.59	160	0.078	1	2.48	0.013	0.06	0.2	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
123432	Soil	12	23	0.29	131	0.057	<1	1.47	0.014	0.04	0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
123433	Soil	5	13	0.10	83	0.034	<1	0.75	0.012	0.03	<0.1	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
123434	Soil	52	27	0.26	306	0.044	<1	1.62	0.011	0.04	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
123435	Soil	2	7	0.04	25	0.020	<1	0.26	0.020	0.02	<0.1	0.04	0.4	<0.1	<0.05	2	<0.5	<0.2
123436	Soil	3	8	0.13	39	0.042	<1	0.61	0.016	0.03	<0.1	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
123437	Soil	10	24	0.56	250	0.077	<1	1.73	0.014	0.05	0.1	0.05	3.5	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
123438	Soil	1.0	15.3	7.1	89	0.1	12.5	6.9	300	2.93	5.0	0.7	2.7	2.1	19	0.1	0.2	0.1	42	0.25	0.058
123439	Soil	0.5	19.3	6.5	58	0.1	10.3	4.1	124	1.89	3.1	0.5	1.9	1.5	16	<0.1	0.2	0.1	32	0.20	0.041
123440	Soil	0.6	20.9	6.2	57	0.1	9.9	4.4	132	1.98	4.5	0.6	2.9	1.4	17	0.1	0.2	0.1	37	0.23	0.051
123441	Soil	0.4	17.6	6.9	44	0.1	9.6	3.8	121	1.44	3.2	0.5	7.3	1.0	22	<0.1	0.2	0.2	35	0.33	0.050
123442	Soil	0.9	18.1	7.8	55	<0.1	14.3	16.5	780	2.48	6.4	0.5	1.6	1.7	16	<0.1	0.3	0.1	60	0.23	0.051
123443	Soil	0.8	13.9	6.4	50	<0.1	15.8	9.5	478	2.33	4.8	0.5	33.9	2.2	21	0.1	0.2	0.1	49	0.33	0.055
123444	Soil	1.0	16.5	9.4	54	0.2	16.3	9.1	760	2.25	4.9	1.0	2.9	1.8	28	0.2	0.3	0.2	52	0.35	0.064
123445	Soil	0.8	18.7	7.1	49	<0.1	18.3	9.6	328	2.55	5.6	0.8	7.6	4.4	15	0.1	0.3	0.1	53	0.20	0.045
123446	Soil	1.0	10.5	7.6	43	<0.1	12.5	5.3	150	2.59	7.4	0.3	1.2	1.5	12	0.1	0.5	0.2	70	0.10	0.024
123447	Soil	0.8	11.2	7.2	24	<0.1	7.9	2.8	87	1.60	3.6	0.6	2.3	0.5	15	0.1	0.2	0.2	31	0.12	0.039
123448	Soil	0.7	17.2	7.6	47	0.1	14.2	6.2	185	2.15	5.6	0.8	0.8	1.7	21	<0.1	0.3	0.1	48	0.25	0.050
123449	Soil	0.6	16.5	6.6	52	<0.1	16.1	8.1	269	2.20	4.5	0.7	12.0	3.1	19	0.1	0.3	0.1	48	0.24	0.044
123450	Soil	0.9	20.7	8.9	56	0.1	17.9	7.3	186	2.62	6.9	0.9	7.3	1.5	33	0.1	0.3	0.2	54	0.35	0.063
123451	Soil	0.7	13.8	7.3	39	0.1	12.0	4.3	129	1.72	3.1	0.7	1.1	1.0	25	0.1	0.2	0.1	35	0.29	0.046
123452	Soil	1.1	14.5	14.7	55	<0.1	15.2	12.2	685	2.56	4.1	1.0	1.3	4.1	17	<0.1	0.2	0.2	43	0.22	0.058
123453	Soil	0.9	10.6	7.3	49	<0.1	14.8	7.5	415	2.47	5.4	0.7	2.9	3.8	14	0.1	0.2	0.1	53	0.17	0.038
106698	Soil	0.6	38.8	11.6	65	<0.1	21.5	18.4	660	4.44	4.7	0.4	5.5	2.2	27	0.2	0.3	0.1	96	0.73	0.077
106699	Soil	1.0	14.0	10.4	59	<0.1	15.2	9.9	390	3.06	5.7	0.8	3.3	3.5	23	<0.1	0.3	0.1	50	0.47	0.040
106700	Soil	0.9	34.4	12.5	56	<0.1	22.2	13.8	374	3.49	7.5	0.7	2.2	2.7	20	<0.1	0.4	0.2	92	0.24	0.022
106701	Soil	1.8	16.5	66.5	54	<0.1	16.7	7.6	234	2.99	7.6	0.6	10.4	3.3	14	0.1	0.3	0.2	64	0.15	0.025
106702	Soil	1.9	37.9	51.5	71	0.2	27.0	12.5	349	3.80	9.8	1.0	11.2	6.4	29	0.1	0.3	0.4	75	0.34	0.039
106703	Soil	1.0	15.7	18.9	49	<0.1	17.6	8.9	230	2.68	7.7	0.6	2.5	3.8	18	0.1	0.4	0.1	59	0.20	0.038
106704	Soil	1.1	29.4	35.0	54	<0.1	23.5	10.5	280	2.95	8.7	0.7	10.4	4.7	19	0.2	0.4	0.2	62	0.19	0.027
106705	Soil	2.2	14.2	78.9	53	<0.1	16.4	7.8	220	3.47	10.8	0.7	3.2	4.7	12	0.2	0.5	0.3	70	0.11	0.028
106706	Soil	1.6	19.3	67.0	53	<0.1	21.2	10.2	315	3.37	10.1	0.7	4.4	5.5	13	0.2	0.5	0.3	67	0.13	0.033
106707	Soil	0.9	16.9	19.8	54	<0.1	21.5	9.3	231	3.74	9.3	0.6	<0.5	4.1	13	0.2	0.4	0.2	76	0.13	0.046
106708	Soil	1.0	15.7	12.0	58	<0.1	21.7	10.4	231	3.02	9.1	0.6	4.2	5.2	15	0.2	0.4	0.2	60	0.14	0.033
106709	Soil	0.9	36.9	18.9	58	<0.1	22.1	11.0	320	2.99	7.9	1.0	6.7	6.1	21	<0.1	0.4	0.2	64	0.19	0.016
106710	Soil	0.8	29.7	18.5	62	<0.1	18.6	10.6	422	3.15	7.7	0.9	6.3	4.7	22	0.1	0.4	0.2	64	0.22	0.021
106711	Soil	1.6	23.2	13.8	72	<0.1	14.1	6.9	293	4.15	10.8	0.5	0.8	3.0	15	0.1	0.5	0.3	97	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	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
123438	Soil	9	23	0.55	188	0.092	2	1.56	0.015	0.07	0.1	0.05	4.0	<0.1	<0.05	6	<0.5	<0.2
123439	Soil	8	21	0.44	140	0.070	2	1.35	0.014	0.05	0.1	0.06	3.5	<0.1	<0.05	5	0.6	<0.2
123440	Soil	8	20	0.42	155	0.066	1	1.24	0.014	0.05	0.2	0.05	3.4	<0.1	<0.05	5	<0.5	<0.2
123441	Soil	7	22	0.37	171	0.046	1	1.16	0.016	0.03	0.1	0.05	2.9	<0.1	0.07	5	<0.5	<0.2
123442	Soil	8	27	0.50	126	0.069	1	1.33	0.014	0.04	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
123443	Soil	10	27	0.50	181	0.076	2	1.39	0.017	0.05	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
123444	Soil	16	26	0.44	349	0.058	2	1.58	0.017	0.05	0.1	0.05	4.3	<0.1	0.05	6	0.6	<0.2
123445	Soil	11	29	0.48	113	0.103	1	1.79	0.012	0.07	0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
123446	Soil	6	25	0.30	97	0.091	<1	1.39	0.010	0.04	0.1	0.02	2.1	<0.1	<0.05	7	<0.5	<0.2
123447	Soil	8	19	0.18	136	0.055	2	1.07	0.011	0.04	<0.1	0.04	2.1	<0.1	<0.05	6	<0.5	<0.2
123448	Soil	12	23	0.38	201	0.075	2	1.51	0.015	0.05	0.2	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
123449	Soil	12	26	0.48	140	0.099	2	1.46	0.018	0.06	0.2	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
123450	Soil	14	27	0.46	323	0.073	2	1.92	0.016	0.06	0.2	0.05	3.8	0.1	<0.05	7	<0.5	<0.2
123451	Soil	9	22	0.36	180	0.065	2	1.28	0.014	0.06	0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
123452	Soil	21	24	0.47	159	0.077	1	1.41	0.012	0.14	0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
123453	Soil	13	29	0.45	102	0.106	2	1.27	0.010	0.09	0.2	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
106698	Soil	16	36	0.94	180	0.047	2	1.95	0.024	0.04	<0.1	0.03	13.4	<0.1	<0.05	8	<0.5	<0.2
106699	Soil	11	24	0.40	319	0.029	1	1.54	0.012	0.08	<0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
106700	Soil	11	43	0.73	269	0.071	1	2.42	0.013	0.04	0.1	0.03	7.0	<0.1	<0.05	8	<0.5	<0.2
106701	Soil	9	28	0.44	147	0.062	1	1.88	0.011	0.05	<0.1	0.02	3.3	<0.1	<0.05	7	<0.5	<0.2
106702	Soil	19	38	0.63	526	0.059	2	3.04	0.014	0.07	<0.1	0.06	5.6	0.1	<0.05	9	<0.5	<0.2
106703	Soil	10	28	0.44	143	0.067	1	1.98	0.011	0.04	0.1	0.04	3.4	<0.1	<0.05	6	<0.5	<0.2
106704	Soil	12	33	0.55	328	0.073	1	2.31	0.013	0.05	0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
106705	Soil	8	30	0.37	159	0.042	2	2.12	0.008	0.05	0.1	0.03	3.4	<0.1	<0.05	7	<0.5	0.2
106706	Soil	9	32	0.41	239	0.053	<1	2.63	0.010	0.05	0.1	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2
106707	Soil	8	34	0.44	175	0.059	<1	2.69	0.009	0.06	0.1	0.01	3.9	<0.1	<0.05	9	<0.5	<0.2
106708	Soil	9	32	0.45	218	0.062	2	2.59	0.011	0.04	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
106709	Soil	22	37	0.58	277	0.088	<1	2.27	0.016	0.05	<0.1	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2
106710	Soil	16	31	0.58	264	0.064	1	2.04	0.013	0.05	<0.1	0.03	6.8	<0.1	<0.05	6	<0.5	<0.2
106711	Soil	10	34	0.62	109	0.083	1	2.04	0.009	0.04	0.1	0.01	3.4	<0.1	<0.05	10	<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
106712	Soil	1.4	152.5	15.0	258	<0.1	8.5	3.5	400	3.93	3.1	0.6	9.2	3.4	36	<0.1	0.2	0.3	26	0.17	0.040
106713	Soil	0.7	29.2	10.1	259	<0.1	8.5	7.7	1309	3.05	1.8	1.2	9.3	3.1	26	0.6	0.2	0.1	23	0.18	0.029
106714	Soil	0.8	30.9	15.3	65	<0.1	21.9	11.9	514	3.12	6.3	0.9	7.9	4.3	28	<0.1	0.4	0.2	69	0.35	0.031
106715	Soil	1.0	26.4	14.5	56	<0.1	13.7	10.0	396	3.48	4.6	0.9	3.2	3.4	18	0.1	0.4	0.1	78	0.26	0.042
106716	Soil	0.5	30.6	12.4	62	<0.1	17.8	9.1	287	2.84	4.4	0.7	1.9	3.8	27	<0.1	0.4	0.1	67	0.34	0.044
106717	Soil	0.7	30.9	10.3	62	<0.1	20.9	10.9	304	2.84	5.7	0.9	2.4	3.1	26	<0.1	0.4	0.1	67	0.34	0.047
106718	Soil	0.9	32.9	11.6	61	<0.1	23.3	10.6	309	2.70	6.2	1.0	2.9	3.2	27	0.1	0.4	0.1	61	0.40	0.050
106719	Soil	1.1	16.5	22.5	42	0.1	15.3	7.3	376	1.87	5.2	1.8	1.9	14.9	20	0.1	0.3	0.3	38	0.26	0.040
106720	Soil	1.0	19.7	17.1	50	<0.1	16.9	9.4	344	2.46	7.7	1.4	4.0	7.0	24	<0.1	0.5	0.3	51	0.29	0.050
106721	Soil	1.6	84.8	11.1	308	0.1	12.3	22.9	2118	6.39	1.9	0.9	2.1	2.4	11	0.7	0.4	<0.1	86	0.26	0.060
106722	Soil	0.4	13.2	15.1	69	<0.1	9.6	18.4	699	3.89	2.0	0.7	1.3	5.7	35	<0.1	0.2	<0.1	67	0.59	0.041
106723	Soil	0.5	12.1	8.5	63	<0.1	9.2	17.5	978	4.22	1.8	1.3	0.6	12.3	19	<0.1	1.1	<0.1	64	0.52	0.065
106724	Soil	0.8	20.3	9.0	50	<0.1	15.8	9.2	299	2.99	6.2	0.6	1.5	2.0	19	0.2	0.4	0.2	66	0.27	0.039
106725	Soil	0.5	26.5	7.5	70	<0.1	9.7	20.9	1125	5.00	1.9	1.9	0.8	13.4	16	<0.1	0.9	<0.1	89	0.54	0.120
106726	Soil	0.6	24.0	8.2	50	<0.1	19.3	9.4	274	2.46	7.1	0.8	2.4	3.2	28	<0.1	0.5	0.2	56	0.48	0.055
106727	Soil	0.6	27.4	7.6	58	<0.1	22.2	10.3	366	2.46	7.8	0.6	2.6	3.4	35	0.1	0.5	0.2	55	0.60	0.065
106728	Soil	0.8	20.2	10.2	53	<0.1	19.6	10.8	303	2.81	5.3	0.7	1.8	4.3	22	<0.1	0.6	0.9	64	0.38	0.034
106729	Soil	0.9	18.8	8.9	51	<0.1	20.9	9.7	321	2.86	6.2	0.6	1.5	3.5	18	<0.1	0.5	0.3	67	0.29	0.033
106730	Soil	0.6	20.8	8.7	55	<0.1	17.2	11.9	404	3.33	4.6	0.9	1.6	6.1	23	<0.1	1.1	0.2	67	0.39	0.046



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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
106712	Soil	16	16	1.04	375	0.031	<1	1.89	0.041	0.13	<0.1	0.03	3.7	<0.1	0.22	7	<0.5	0.3
106713	Soil	19	12	0.57	230	0.040	<1	1.69	0.010	0.06	<0.1	0.02	6.1	<0.1	<0.05	7	<0.5	<0.2
106714	Soil	17	33	0.63	296	0.070	1	1.96	0.014	0.05	0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
106715	Soil	12	25	0.61	250	0.048	1	1.80	0.009	0.06	0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
106716	Soil	13	29	0.76	189	0.103	<1	1.75	0.015	0.05	0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
106717	Soil	13	33	0.69	230	0.073	<1	1.89	0.014	0.04	0.1	0.03	4.8	<0.1	<0.05	7	<0.5	<0.2
106718	Soil	13	37	0.69	251	0.073	1	1.83	0.014	0.05	0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
106719	Soil	16	25	0.39	191	0.041	1	1.23	0.009	0.06	0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
106720	Soil	13	28	0.41	206	0.030	1	1.68	0.009	0.05	0.1	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
106721	Soil	6	11	0.16	741	0.003	1	0.71	0.009	0.06	<0.1	0.07	12.6	<0.1	<0.05	3	<0.5	<0.2
106722	Soil	14	22	1.70	182	0.005	<1	2.49	0.004	0.05	<0.1	0.01	4.7	<0.1	<0.05	7	<0.5	<0.2
106723	Soil	34	18	1.30	304	0.003	<1	2.07	0.004	0.13	0.2	0.02	7.7	<0.1	<0.05	6	<0.5	<0.2
106724	Soil	12	28	0.51	220	0.021	1	2.03	0.008	0.06	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
106725	Soil	31	21	1.71	458	0.047	1	2.52	0.006	0.49	0.1	0.01	11.6	0.2	<0.05	6	<0.5	<0.2
106726	Soil	12	28	0.54	239	0.071	2	1.59	0.021	0.05	0.2	0.04	3.3	<0.1	<0.05	4	0.5	<0.2
106727	Soil	12	28	0.58	222	0.075	2	1.45	0.030	0.06	0.2	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
106728	Soil	15	35	0.69	240	0.055	<1	2.10	0.013	0.06	0.4	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
106729	Soil	12	35	0.56	211	0.048	1	2.02	0.011	0.07	0.3	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
106730	Soil	18	31	0.81	260	0.051	1	1.91	0.011	0.08	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
115650	Soil	0.6	38.9	6.6	75	0.1	15.6	16.7	878	3.72	5.7	1.0	3.7	3.8	21	0.1	0.6	0.2	84	0.56	0.046
REP 115650	QC	0.6	38.4	6.8	72	0.1	17.0	16.6	895	3.81	6.0	1.1	1.6	3.9	22	<0.1	0.6	0.2	86	0.57	0.050
115661	Soil	1.1	48.9	7.9	90	<0.1	16.0	23.4	976	4.73	5.2	0.4	0.7	1.8	33	<0.1	0.4	0.1	124	0.34	0.047
REP 115661	QC	1.1	48.1	8.3	88	<0.1	15.6	21.1	925	4.40	4.4	0.4	3.0	1.7	32	0.1	0.4	0.1	114	0.32	0.049
113930	Soil	1.0	44.3	10.3	58	<0.1	13.4	12.5	349	3.95	7.4	0.3	1.6	1.0	19	<0.1	0.6	<0.1	105	0.23	0.027
REP 113930	QC	1.0	46.4	10.5	60	<0.1	14.9	12.5	358	4.16	8.3	0.3	1.7	1.1	20	<0.1	0.5	<0.1	109	0.26	0.026
113938	Soil	4.2	69.8	4.5	50	<0.1	7.4	10.5	274	3.28	4.3	0.9	1.7	3.9	12	<0.1	1.0	<0.1	35	0.11	0.030
REP 113938	QC	4.5	70.1	4.4	51	<0.1	8.3	10.4	271	3.28	4.6	0.9	1.9	3.6	13	<0.1	1.1	<0.1	35	0.11	0.030
113960	Soil	0.7	228.7	5.7	56	0.3	15.5	11.8	768	3.21	4.0	0.9	2.6	1.1	41	0.5	0.4	<0.1	75	1.60	0.056
REP 113960	QC	0.8	229.2	5.7	55	0.2	14.9	11.7	774	3.21	3.7	1.0	3.4	1.1	42	0.4	0.4	<0.1	75	1.57	0.053
129389	Soil	1.2	20.6	9.2	53	<0.1	20.9	12.6	567	2.99	6.5	1.7	0.9	3.4	35	0.1	0.4	0.2	55	0.61	0.059
REP 129389	QC	1.1	21.3	9.2	52	<0.1	21.3	12.1	580	3.03	6.6	1.7	2.4	3.4	35	0.1	0.4	0.2	55	0.59	0.059
129402	Soil	1.0	27.6	8.0	47	<0.1	22.4	10.1	220	3.29	10.1	0.5	<0.5	3.3	22	<0.1	0.4	0.1	80	0.24	0.031
REP 129402	QC	1.0	27.7	8.1	48	<0.1	21.9	10.7	227	3.32	9.7	0.5	0.8	3.4	23	<0.1	0.4	0.1	81	0.25	0.032
129428	Soil	0.9	18.5	10.2	45	0.2	14.8	7.7	304	2.38	6.1	0.6	2.2	0.7	21	<0.1	0.4	0.2	58	0.19	0.036
REP 129428	QC	0.9	19.1	10.0	43	0.2	16.5	7.9	304	2.35	5.9	0.7	1.1	1.0	20	<0.1	0.4	0.2	57	0.20	0.038
129438	Soil	1.0	20.6	9.7	48	<0.1	19.6	8.9	278	2.90	14.1	0.5	1.5	2.9	21	<0.1	0.4	0.1	64	0.19	0.017
REP 129438	QC	0.9	21.0	9.1	46	<0.1	19.5	9.1	271	2.83	13.8	0.5	1.5	2.9	21	<0.1	0.4	0.1	62	0.18	0.015
124447	Soil	0.7	32.5	11.3	83	<0.1	16.0	13.9	610	4.20	6.6	0.6	4.3	2.6	22	0.3	0.7	0.1	80	0.46	0.045
REP 124447	QC	0.7	30.4	10.5	83	<0.1	16.0	14.0	617	4.20	5.9	0.6	5.0	2.5	21	0.1	0.8	0.1	81	0.48	0.049
124467	Soil	0.5	13.7	10.3	42	<0.1	12.9	7.7	318	2.55	4.3	0.6	8.7	3.9	15	0.2	0.2	<0.1	44	0.18	0.023
REP 124467	QC	0.4	14.1	13.0	42	<0.1	14.2	8.0	334	2.60	4.6	0.6	2.1	4.0	17	0.4	0.3	<0.1	44	0.20	0.024
124480	Soil	1.8	15.6	16.5	56	<0.1	16.4	8.9	475	3.27	9.5	0.4	12.3	1.6	16	0.3	0.4	0.2	69	0.19	0.057
REP 124480	QC	1.7	16.5	16.7	58	<0.1	17.0	9.2	486	3.45	9.8	0.5	10.1	1.7	17	0.2	0.4	0.2	73	0.21	0.056
123394	Soil	0.7	16.9	5.4	65	<0.1	9.8	8.7	874	3.42	1.7	1.1	<0.5	10.2	18	<0.1	0.3	<0.1	34	0.38	0.057
REP 123394	QC	0.6	17.4	6.2	68	<0.1	10.3	8.7	897	3.44	1.5	1.1	1.1	10.5	18	<0.1	0.3	<0.1	33	0.38	0.060
123402	Soil	0.5	8.6	3.5	106	<0.1	17.7	30.9	1020	5.62	3.4	0.3	<0.5	2.0	20	0.1	0.3	0.1	92	0.24	0.048
REP 123402	QC	0.5	9.0	3.5	109	<0.1	17.6	31.1	1020	5.72	3.6	0.2	<0.5	2.1	21	<0.1	0.3	<0.1	91	0.26	0.049



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Project: BALLARAT

Report Date: November 20, 2011

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QUALITY CONTROL REPORT

DAW11000286.1

	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																		
115650	Soil	15	26	0.96	340	0.034	<1	2.19	0.010	0.07	0.3	0.03	9.8	0.1	<0.05	7	<0.5	<0.2
REP 115650	QC	15	29	1.05	346	0.038	<1	2.34	0.011	0.07	0.3	0.03	10.1	<0.1	<0.05	7	<0.5	<0.2
115661	Soil	5	28	1.58	275	0.196	2	2.77	0.013	0.22	0.2	<0.01	4.9	<0.1	<0.05	8	<0.5	<0.2
REP 115661	QC	5	28	1.52	263	0.188	2	2.75	0.011	0.21	0.2	<0.01	4.8	<0.1	<0.05	8	<0.5	<0.2
113930	Soil	4	27	0.97	134	0.215	1	2.06	0.022	0.07	0.2	0.01	3.3	<0.1	<0.05	8	<0.5	<0.2
REP 113930	QC	4	28	1.03	138	0.220	<1	2.19	0.025	0.07	0.2	<0.01	3.4	<0.1	<0.05	8	0.8	<0.2
113938	Soil	10	12	0.51	133	0.026	<1	1.24	0.011	0.07	<0.1	<0.01	4.7	<0.1	<0.05	4	0.6	<0.2
REP 113938	QC	10	12	0.52	142	0.029	1	1.26	0.009	0.08	0.2	0.01	4.8	<0.1	<0.05	4	1.0	<0.2
113960	Soil	12	20	0.73	395	0.044	1	1.86	0.020	0.07	0.1	0.04	5.7	<0.1	<0.05	6	0.7	<0.2
REP 113960	QC	12	20	0.71	394	0.042	2	1.82	0.018	0.07	0.1	0.05	5.6	<0.1	<0.05	6	0.8	<0.2
129389	Soil	16	34	0.57	347	0.038	2	1.74	0.021	0.06	0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
REP 129389	QC	16	33	0.57	366	0.037	1	1.73	0.019	0.06	0.1	0.05	5.1	<0.1	<0.05	5	<0.5	<0.2
129402	Soil	8	33	0.66	150	0.072	1	2.31	0.015	0.05	0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
REP 129402	QC	9	34	0.68	156	0.087	<1	2.37	0.016	0.05	0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
129428	Soil	10	26	0.46	208	0.064	3	1.92	0.019	0.05	<0.1	0.02	3.0	0.1	<0.05	6	0.8	<0.2
REP 129428	QC	10	27	0.46	205	0.060	2	1.96	0.019	0.05	0.1	0.03	3.2	<0.1	<0.05	7	0.6	<0.2
129438	Soil	9	37	0.63	208	0.096	2	1.95	0.019	0.10	<0.1	0.01	3.4	<0.1	<0.05	5	0.6	<0.2
REP 129438	QC	9	36	0.62	199	0.094	<1	1.90	0.016	0.09	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
124447	Soil	13	25	0.66	523	0.052	<1	2.03	0.017	0.08	0.2	0.02	7.6	0.1	<0.05	6	0.9	<0.2
REP 124447	QC	12	25	0.66	505	0.051	<1	2.06	0.016	0.08	0.2	0.02	7.6	0.1	<0.05	6	1.1	<0.2
124467	Soil	11	23	0.57	157	0.125	<1	1.78	0.013	0.14	0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
REP 124467	QC	12	24	0.60	162	0.131	<1	1.87	0.015	0.15	0.1	0.01	3.0	0.1	<0.05	5	<0.5	<0.2
124480	Soil	9	31	0.45	219	0.058	1	1.75	0.010	0.08	0.2	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
REP 124480	QC	10	32	0.47	235	0.067	1	1.82	0.011	0.08	0.1	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
123394	Soil	41	10	0.63	678	0.033	<1	1.55	0.007	0.17	<0.1	0.01	4.3	<0.1	<0.05	7	0.8	<0.2
REP 123394	QC	41	10	0.63	686	0.035	<1	1.50	0.008	0.17	<0.1	0.02	4.3	<0.1	<0.05	7	0.6	<0.2
123402	Soil	3	29	3.02	126	0.159	<1	3.61	0.005	0.27	0.3	<0.01	1.4	0.1	<0.05	9	<0.5	<0.2
REP 123402	QC	3	29	3.11	129	0.160	<1	3.58	0.005	0.26	0.3	<0.01	1.7	0.1	<0.05	10	<0.5	<0.2



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Report Date:

November 20, 2011

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Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
123428	Soil	0.7	44.1	11.6	67	<0.1	16.5	16.6	364	2.92	5.1	0.3	1.1	1.5	14	0.1	0.2	<0.1	72	0.24
REP 123428	QC	0.7	45.1	11.7	68	<0.1	16.0	16.7	371	2.91	5.0	0.3	1.4	1.5	13	0.2	0.2	<0.1	72	0.24
106698	Soil	0.6	38.8	11.6	65	<0.1	21.5	18.4	660	4.44	4.7	0.4	5.5	2.2	27	0.2	0.3	0.1	96	0.73
REP 106698	QC	0.6	39.5	11.7	65	<0.1	21.0	18.5	662	4.54	4.8	0.4	5.6	2.3	27	0.1	0.3	0.1	98	0.72
106702	Soil	1.9	37.9	51.5	71	0.2	27.0	12.5	349	3.80	9.8	1.0	11.2	6.4	29	0.1	0.3	0.4	75	0.34
REP 106702	QC	1.5	36.3	50.5	71	0.2	26.2	12.4	342	3.80	9.4	0.9	11.1	6.3	26	0.2	0.3	0.3	75	0.32
106721	Soil	1.6	84.8	11.1	308	0.1	12.3	22.9	2118	6.39	1.9	0.9	2.1	2.4	11	0.7	0.4	<0.1	86	0.26
REP 106721	QC	1.6	83.5	11.6	304	0.1	12.5	22.5	2156	6.48	2.1	0.9	1.8	2.4	11	0.7	0.4	<0.1	83	0.27
Reference Materials																				
STD DS8	Standard	12.5	107.4	113.8	288	1.7	34.7	7.2	561	2.31	24.1	2.6	114.1	6.4	59	2.2	5.1	6.1	38	0.64
STD DS8	Standard	12.1	107.9	117.6	307	1.6	37.4	7.4	593	2.31	24.8	2.5	106.6	6.2	58	1.8	4.6	6.2	41	0.61
STD DS8	Standard	13.7	111.3	129.0	334	2.0	38.9	7.8	685	2.63	27.0	2.9	118.4	6.9	67	2.4	6.1	6.8	45	0.74
STD DS8	Standard	12.4	104.6	118.5	291	1.7	35.2	7.2	595	2.38	24.0	2.6	98.6	6.4	67	2.4	5.2	6.3	39	0.66
STD DS8	Standard	11.6	98.3	110.9	279	1.7	34.2	6.6	558	2.27	22.3	2.6	110.9	6.1	67	2.1	5.0	6.1	38	0.64
STD DS8	Standard	12.4	107.2	123.3	310	1.8	35.8	6.8	590	2.36	24.6	2.9	106.2	7.1	72	2.4	5.9	7.1	40	0.67
STD DS8	Standard	12.4	102.1	117.2	302	1.7	35.8	7.1	591	2.40	24.7	2.7	113.8	6.5	71	2.4	5.4	6.5	41	0.68
STD DS8	Standard	12.9	104.0	116.9	302	1.8	36.1	7.0	612	2.42	24.7	2.8	124.4	6.6	74	2.3	5.3	6.5	40	0.69
STD DS8	Standard	12.3	103.0	117.8	303	1.8	35.3	7.2	584	2.40	24.3	2.7	107.9	6.9	71	2.1	5.3	6.4	40	0.69
STD DS8	Standard	12.3	103.5	125.5	301	1.7	36.7	7.1	601	2.40	24.1	2.7	111.1	7.2	70	2.3	5.2	6.4	40	0.68
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Part 2

QUALITY CONTROL REPORT

DAW11000286.1

		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
123428	Soil	6	23	0.78	143	0.110	<1	1.83	0.022	0.14	<0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
REP 123428	QC	6	24	0.79	142	0.110	<1	1.81	0.020	0.14	<0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
106698	Soil	16	36	0.94	180	0.047	2	1.95	0.024	0.04	<0.1	0.03	13.4	<0.1	<0.05	8	<0.5	<0.2
REP 106698	QC	16	36	0.93	175	0.049	2	1.90	0.028	0.04	0.1	0.03	13.1	<0.1	<0.05	8	<0.5	<0.2
106702	Soil	19	38	0.63	526	0.059	2	3.04	0.014	0.07	<0.1	0.06	5.6	0.1	<0.05	9	<0.5	<0.2
REP 106702	QC	18	38	0.61	496	0.056	2	2.94	0.014	0.07	0.1	0.04	5.4	0.1	<0.05	9	<0.5	<0.2
106721	Soil	6	11	0.16	741	0.003	1	0.71	0.009	0.06	<0.1	0.07	12.6	<0.1	<0.05	3	<0.5	<0.2
REP 106721	QC	6	11	0.15	733	0.002	<1	0.66	0.009	0.06	<0.1	0.07	12.0	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	107	0.56	267	0.103	2	0.81	0.084	0.38	2.7	0.21	1.8	5.1	0.11	4	5.2	4.6
STD DS8	Standard	13	113	0.57	261	0.095	1	0.82	0.080	0.38	2.9	0.18	2.2	5.2	0.15	4	4.1	5.0
STD DS8	Standard	16	124	0.63	287	0.119	3	0.96	0.096	0.47	3.5	0.22	2.5	5.6	0.17	5	5.2	5.1
STD DS8	Standard	14	115	0.60	271	0.113	2	0.92	0.101	0.42	2.8	0.18	2.9	5.2	0.11	4	5.1	4.5
STD DS8	Standard	14	106	0.58	262	0.111	3	0.88	0.103	0.41	2.8	0.17	2.4	5.1	0.13	4	4.7	4.6
STD DS8	Standard	16	110	0.58	276	0.117	2	0.90	0.097	0.41	3.1	0.20	2.6	5.7	0.13	5	5.6	5.1
STD DS8	Standard	15	112	0.61	286	0.117	2	0.98	0.117	0.44	3.0	0.20	3.3	5.4	0.14	4	5.6	4.4
STD DS8	Standard	16	112	0.63	290	0.122	3	0.94	0.107	0.43	2.9	0.20	2.6	5.4	0.15	5	5.7	5.4
STD DS8	Standard	15	111	0.62	285	0.114	2	0.92	0.108	0.42	2.9	0.20	2.6	5.3	0.13	4	5.5	5.0
STD DS8	Standard	16	113	0.65	283	0.114	2	0.93	0.101	0.43	2.8	0.20	2.5	5.4	0.15	4	4.8	4.9
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<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: BALLARAT

Report Date: November 20, 2011

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QUALITY CONTROL REPORT

DAW11000286.1

		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



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QUALITY CONTROL REPORT

DAW11000286.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



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Submitted By: Mark Fekete

Receiving Lab: Canada-Dawson City

Received: August 16, 2011

Report Date: October 17, 2011

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CERTIFICATE OF ANALYSIS

DAW11000287.1

CLIENT JOB INFORMATION

Project: BALLARAT
Shipment ID: 20110816100847
P.O. Number
Number of Samples: 181

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: Stakeholder Gold Corp.
203 - 680 Third Ave.
Val D'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	181	Dry at 60C sieve 100g to -80 mesh			DAW
Dry at 60C	181	Dry at 60C			DAW
1DX2	181	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: BALLARAT
Report Date: October 17, 2011

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CERTIFICATE OF ANALYSIS

DAW11000287.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
106731	Soil				0.6	20.3	8.0	56	<0.1	20.0	11.0	330	2.87	6.4	0.7	2.2	4.1	21	<0.1	0.4	0.2	66	0.35	0.037
106732	Soil				0.6	15.6	8.2	57	<0.1	18.2	12.1	379	3.15	5.2	1.0	1.5	6.9	20	0.1	0.7	0.2	64	0.41	0.051
145569	Soil				1.4	31.8	12.2	78	0.2	20.5	11.1	400	3.39	11.8	0.8	7.1	3.3	16	0.1	0.4	0.2	65	0.22	0.056
145570	Soil				0.8	29.7	8.9	56	<0.1	22.2	10.9	355	2.76	12.2	0.7	5.7	3.9	18	<0.1	0.4	0.1	56	0.22	0.049
145571	Soil				0.8	21.9	6.6	60	<0.1	17.7	10.5	364	2.95	7.0	0.5	1.9	2.1	12	0.2	0.3	0.1	68	0.20	0.047
145572	Soil				0.7	28.7	7.8	62	<0.1	20.0	11.9	382	2.82	7.9	0.5	1.6	2.7	16	0.2	0.3	0.1	66	0.21	0.042
145573	Soil				0.8	31.1	8.0	63	<0.1	19.9	13.0	455	2.99	8.5	0.8	2.1	3.3	16	<0.1	0.4	0.1	69	0.22	0.058
145574	Soil				1.5	20.2	11.3	62	<0.1	25.4	14.6	340	3.03	10.5	0.6	2.3	3.6	17	0.1	0.6	0.2	67	0.17	0.024
145575	Soil				1.3	18.2	8.2	35	0.1	14.1	5.9	136	2.37	7.0	0.5	1.1	1.0	15	0.1	0.3	0.2	59	0.15	0.031
145576	Soil				1.1	16.0	9.5	56	<0.1	9.4	6.0	437	2.94	5.8	0.6	7.6	2.6	11	0.1	0.2	0.2	37	0.13	0.037
145577	Soil				1.2	23.0	9.5	42	0.1	10.9	7.1	319	2.37	6.1	0.4	6.2	1.3	13	0.1	0.3	0.2	62	0.18	0.048
145578	Soil				1.6	13.5	9.1	45	0.1	10.4	5.8	297	2.97	7.8	0.4	8.5	1.6	12	0.2	0.4	0.2	64	0.13	0.039
145579	Soil				1.0	17.2	11.1	48	<0.1	15.3	8.1	258	2.92	7.3	0.5	7.5	2.5	15	0.2	0.3	0.2	58	0.20	0.033
145580	Soil				1.3	16.9	10.4	53	<0.1	18.6	8.6	309	2.96	8.1	0.6	1.3	3.9	16	0.1	0.3	0.2	62	0.22	0.029
145581	Soil				1.0	17.0	9.4	38	<0.1	12.3	5.3	165	2.25	5.1	0.6	2.3	2.8	17	0.1	0.3	0.1	50	0.24	0.024
145582	Soil				1.2	25.3	9.5	53	0.1	16.2	7.1	230	2.59	6.0	0.8	2.7	2.9	22	0.2	0.3	0.2	56	0.28	0.032
145583	Soil				1.3	19.7	9.2	58	<0.1	14.8	7.9	253	2.51	6.4	0.7	2.6	3.8	20	0.2	0.3	0.2	53	0.30	0.032
145584	Soil				0.9	17.6	7.5	48	<0.1	12.8	7.3	256	2.31	5.3	0.7	2.9	3.9	20	0.2	0.3	0.1	48	0.30	0.039
145585	Soil				0.9	16.5	7.5	47	<0.1	11.0	7.3	244	2.21	5.3	0.6	3.1	3.4	19	0.2	0.3	0.1	44	0.30	0.042
145586	Soil				1.1	22.9	9.8	53	<0.1	14.3	7.6	253	2.46	6.0	0.9	2.4	4.3	21	0.2	0.3	0.1	51	0.34	0.040
145587	Soil				0.8	26.3	7.4	55	<0.1	16.6	10.9	286	2.87	8.6	0.6	0.9	2.3	20	<0.1	0.3	0.1	61	0.27	0.037
145588	Soil				0.5	23.8	6.5	49	<0.1	10.4	7.8	303	2.10	4.5	0.8	2.5	3.8	18	0.1	0.2	0.1	41	0.29	0.049
145589	Soil				0.6	23.1	8.2	56	<0.1	15.5	9.1	216	2.56	6.6	0.6	2.9	2.8	19	<0.1	0.3	0.1	54	0.26	0.044
145590	Soil				0.8	27.4	17.1	49	0.2	15.0	7.6	207	2.01	4.3	1.3	1.4	0.6	25	0.2	0.3	0.2	36	0.26	0.082
145591	Soil				0.8	24.9	49.4	65	0.2	17.3	10.6	333	3.07	7.0	0.8	7.1	2.0	26	0.1	0.2	0.3	57	0.35	0.078
145592	Soil				0.8	25.8	42.4	55	0.1	17.5	9.7	246	2.62	6.5	0.8	5.5	2.5	24	0.1	0.3	0.3	49	0.33	0.057
145593	Soil				0.7	27.2	39.6	57	0.2	19.1	9.4	206	2.73	7.6	0.9	6.1	1.9	22	0.1	0.3	0.2	54	0.28	0.055
145594	Soil				1.1	18.5	28.0	56	<0.1	19.0	11.6	295	4.04	11.7	0.4	2.2	2.1	16	0.2	0.4	0.2	83	0.22	0.073
145595	Soil				0.7	18.2	37.8	46	<0.1	19.4	10.5	252	3.42	8.2	0.3	1.6	1.8	20	0.1	0.4	0.2	66	0.21	0.037
145596	Soil				0.9	10.8	34.7	29	0.2	5.4	4.4	381	1.29	2.6	0.3	3.8	0.3	12	0.2	0.3	0.2	39	0.11	0.030



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Project: BALLARAT
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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
106731	Soil	15	34	0.71	208	0.085	1	2.13	0.014	0.06	0.2	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
106732	Soil	20	28	0.71	393	0.029	2	2.25	0.010	0.09	0.3	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2
145569	Soil	13	33	0.67	402	0.074	2	2.31	0.009	0.10	0.1	0.04	4.6	0.1	<0.05	6	0.6	<0.2
145570	Soil	12	29	0.56	246	0.063	2	1.96	0.011	0.06	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
145571	Soil	8	24	0.64	176	0.092	2	1.90	0.015	0.17	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
145572	Soil	8	31	0.62	154	0.084	2	2.21	0.013	0.07	<0.1	0.04	3.8	0.1	<0.05	6	<0.5	<0.2
145573	Soil	12	33	0.62	172	0.077	2	2.21	0.015	0.06	0.1	0.05	4.7	<0.1	<0.05	6	0.7	<0.2
145574	Soil	9	39	0.56	224	0.073	2	2.92	0.012	0.06	0.1	0.05	3.1	0.1	<0.05	6	<0.5	<0.2
145575	Soil	8	27	0.38	138	0.067	1	1.69	0.013	0.05	0.1	0.04	2.4	<0.1	<0.05	7	<0.5	<0.2
145576	Soil	16	17	0.38	116	0.050	2	1.29	0.007	0.11	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
145577	Soil	8	20	0.42	154	0.077	<1	1.27	0.010	0.07	<0.1	0.03	2.7	<0.1	<0.05	7	<0.5	<0.2
145578	Soil	7	24	0.29	162	0.071	1	1.41	0.010	0.05	0.1	0.04	2.2	<0.1	<0.05	6	<0.5	<0.2
145579	Soil	10	28	0.48	243	0.070	2	1.99	0.009	0.07	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
145580	Soil	15	30	0.50	348	0.076	1	1.84	0.011	0.06	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
145581	Soil	13	23	0.36	211	0.076	1	1.54	0.013	0.07	<0.1	0.04	2.7	<0.1	<0.05	6	<0.5	<0.2
145582	Soil	18	30	0.45	346	0.077	1	1.78	0.013	0.09	<0.1	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
145583	Soil	17	28	0.47	299	0.099	3	1.63	0.013	0.11	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
145584	Soil	14	24	0.46	267	0.072	2	1.46	0.011	0.07	0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
145585	Soil	13	21	0.40	242	0.078	2	1.27	0.012	0.08	0.2	0.03	2.8	<0.1	<0.05	4	0.5	<0.2
145586	Soil	17	28	0.47	325	0.071	1	1.60	0.012	0.07	0.1	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
145587	Soil	9	26	0.65	188	0.092	2	2.01	0.013	0.10	<0.1	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
145588	Soil	16	19	0.42	149	0.058	2	1.25	0.015	0.07	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
145589	Soil	10	27	0.54	160	0.073	2	1.99	0.015	0.05	0.1	0.04	3.1	<0.1	<0.05	6	<0.5	<0.2
145590	Soil	15	25	0.37	249	0.045	3	1.60	0.021	0.07	<0.1	0.08	2.8	<0.1	0.16	5	0.7	<0.2
145591	Soil	11	31	0.63	277	0.057	2	1.97	0.013	0.06	0.1	0.03	4.5	<0.1	<0.05	6	0.6	<0.2
145592	Soil	10	30	0.60	238	0.065	1	1.80	0.016	0.04	0.2	0.04	4.2	<0.1	<0.05	6	<0.5	<0.2
145593	Soil	11	32	0.59	253	0.059	2	2.11	0.014	0.05	0.1	0.05	4.0	<0.1	<0.05	6	<0.5	<0.2
145594	Soil	7	32	0.62	158	0.086	<1	2.47	0.014	0.05	0.1	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
145595	Soil	6	29	0.51	192	0.068	2	2.22	0.011	0.04	<0.1	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2
145596	Soil	6	12	0.09	168	0.045	<1	0.75	0.010	0.02	<0.1	0.02	0.9	<0.1	<0.05	5	<0.5	<0.2



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Project: BALLARAT
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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
145597	Soil	1.4	19.9	17.5	52	0.4	17.3	7.1	167	3.23	9.7	0.5	2.6	2.4	10	0.1	0.5	0.2	73	0.11	0.052
145598	Soil	1.1	18.2	21.3	53	0.3	19.0	8.3	210	3.15	9.4	0.3	3.3	1.9	17	0.2	0.6	0.2	65	0.18	0.048
145599	Soil	1.0	21.8	24.4	59	<0.1	23.7	10.9	297	3.11	9.4	0.5	0.9	2.5	23	0.1	0.6	0.1	67	0.28	0.032
145600	Soil	0.6	25.9	24.1	48	<0.1	15.3	7.3	203	2.33	5.0	0.7	2.8	2.4	26	<0.1	0.4	0.1	46	0.39	0.052
145601	Soil	0.5	25.7	23.3	45	0.1	15.9	7.2	216	2.18	4.3	0.6	4.2	1.8	30	<0.1	0.4	0.1	45	0.43	0.049
145602	Soil	0.7	25.5	17.5	53	0.1	15.7	9.3	278	2.47	6.0	0.9	9.0	2.3	27	0.1	0.5	0.1	51	0.43	0.055
145603	Soil	0.6	27.9	17.5	53	0.1	16.8	9.0	293	2.60	6.7	1.0	3.5	1.7	30	0.2	0.6	0.1	52	0.45	0.057
145604	Soil	0.6	18.1	13.0	53	0.1	15.1	9.3	272	2.34	5.8	0.7	2.2	2.1	25	0.2	0.4	0.1	51	0.37	0.057
145605	Soil	0.6	14.0	11.2	47	<0.1	12.8	6.2	151	2.00	5.2	0.5	2.3	0.7	22	0.2	0.3	<0.1	41	0.31	0.064
145606	Soil	0.5	15.0	14.1	55	<0.1	13.9	7.0	172	2.42	6.7	0.7	1.5	1.4	18	0.2	0.4	0.1	53	0.26	0.060
145607	Soil	0.7	14.9	14.0	53	0.1	13.7	6.9	168	2.39	6.7	0.6	2.2	1.0	20	0.2	0.3	0.1	52	0.27	0.069
145608	Soil	0.6	11.7	10.0	44	<0.1	12.8	6.0	156	1.83	5.1	0.5	1.5	0.9	22	0.1	0.3	0.1	43	0.33	0.061
145609	Soil	0.4	12.3	10.2	43	<0.1	12.4	6.5	164	1.84	5.0	0.6	3.7	0.9	22	0.1	0.3	0.1	44	0.34	0.054
145610	Soil	0.7	20.1	11.6	52	<0.1	16.9	9.2	304	2.40	7.4	0.8	1.3	2.0	28	0.2	0.4	0.1	53	0.37	0.067
145611	Soil	0.9	20.9	10.6	50	0.1	18.7	9.9	314	2.44	6.7	0.8	15.3	1.5	27	0.2	0.5	0.1	57	0.34	0.066
145612	Soil	0.6	22.3	10.7	48	0.1	18.1	8.9	242	2.22	6.0	0.8	1.8	1.2	25	0.2	0.4	0.1	51	0.33	0.062
100585	Soil	1.2	31.7	10.7	74	<0.1	19.7	11.0	483	3.12	10.4	0.8	31.0	2.5	18	0.1	0.4	0.1	66	0.20	0.041
100586	Soil	0.7	31.3	7.0	60	<0.1	16.0	10.7	432	3.17	7.3	0.8	1.8	2.3	15	<0.1	0.3	0.1	75	0.20	0.044
100587	Soil	0.8	34.5	8.0	60	<0.1	21.8	13.0	358	3.09	8.5	0.6	2.2	2.9	15	0.1	0.4	0.1	70	0.17	0.030
100588	Soil	0.5	39.0	6.9	90	<0.1	19.3	13.6	445	2.98	7.5	0.8	3.6	2.8	18	0.1	0.3	0.1	64	0.21	0.048
100589	Soil	0.7	25.5	7.7	56	<0.1	19.5	12.1	396	3.00	9.5	0.7	1.6	2.9	15	<0.1	0.4	0.1	69	0.19	0.048
100590	Soil	0.8	31.6	11.1	51	<0.1	20.9	12.3	443	2.88	10.0	0.9	2.6	3.5	21	<0.1	0.4	0.2	59	0.22	0.050
100591	Soil	0.8	18.8	9.6	65	<0.1	17.3	10.0	307	2.85	8.1	0.4	10.6	1.9	14	0.1	0.4	0.1	59	0.17	0.033
100592	Soil	0.6	18.4	8.8	50	<0.1	17.7	9.8	311	2.71	8.6	0.6	4.3	3.3	16	0.1	0.4	0.1	56	0.16	0.043
100593	Soil	0.8	19.4	8.0	50	<0.1	21.1	11.9	311	2.78	8.4	0.6	2.2	2.9	18	0.1	0.4	0.1	55	0.20	0.039
100594	Soil	0.9	18.5	8.3	55	<0.1	17.6	10.7	311	2.83	8.2	0.6	3.6	2.9	16	0.1	0.3	0.1	60	0.21	0.045
100595	Soil	0.9	32.7	9.3	59	<0.1	23.6	10.2	364	3.02	10.8	1.1	4.3	5.1	21	0.1	0.4	0.1	59	0.24	0.069
100596	Soil	0.9	38.6	7.6	63	<0.1	22.8	10.7	335	2.85	6.7	0.6	4.1	3.1	24	<0.1	0.5	0.2	60	0.25	0.046
100597	Soil	1.2	23.5	9.5	58	<0.1	20.0	10.3	326	3.10	8.6	0.6	3.1	3.2	16	0.1	0.3	0.1	60	0.20	0.034
100598	Soil	1.0	26.7	8.3	49	<0.1	18.1	9.5	294	2.61	5.5	0.6	4.9	2.6	20	<0.1	0.3	0.2	56	0.22	0.030



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	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
145597	Soil	8	35	0.29	235	0.063	<1	2.51	0.011	0.03	0.1	0.05	2.9	<0.1	<0.05	7	<0.5	<0.2
145598	Soil	6	29	0.43	239	0.064	2	2.00	0.011	0.05	0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
145599	Soil	8	35	0.57	393	0.073	1	2.28	0.011	0.04	0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
145600	Soil	15	24	0.48	368	0.059	1	1.64	0.018	0.04	0.1	0.04	6.0	<0.1	<0.05	5	<0.5	<0.2
145601	Soil	15	23	0.44	427	0.055	1	1.69	0.019	0.05	0.1	0.05	5.8	<0.1	<0.05	5	<0.5	<0.2
145602	Soil	14	25	0.49	308	0.064	2	1.64	0.021	0.05	0.2	0.06	5.2	<0.1	<0.05	5	0.5	<0.2
145603	Soil	14	27	0.49	352	0.057	2	1.68	0.022	0.05	0.1	0.05	5.2	<0.1	<0.05	5	0.5	<0.2
145604	Soil	10	24	0.51	235	0.053	2	1.56	0.016	0.04	0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
145605	Soil	7	20	0.41	160	0.046	2	1.34	0.014	0.04	0.2	0.04	2.8	<0.1	<0.05	5	<0.5	<0.2
145606	Soil	9	24	0.45	157	0.053	1	1.68	0.014	0.05	0.2	0.06	3.5	<0.1	<0.05	5	0.8	<0.2
145607	Soil	9	23	0.40	167	0.052	2	1.60	0.014	0.04	0.2	0.05	3.1	<0.1	<0.05	5	<0.5	<0.2
145608	Soil	8	21	0.40	153	0.048	<1	1.32	0.014	0.04	0.2	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
145609	Soil	8	20	0.40	166	0.049	1	1.31	0.015	0.04	0.1	0.04	3.1	<0.1	<0.05	5	<0.5	<0.2
145610	Soil	12	25	0.45	215	0.061	1	1.44	0.017	0.04	0.2	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
145611	Soil	12	28	0.44	212	0.060	2	1.59	0.017	0.04	0.2	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
145612	Soil	11	27	0.42	211	0.056	1	1.54	0.017	0.04	0.1	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
100585	Soil	14	32	0.61	244	0.084	2	2.04	0.010	0.09	0.1	0.04	4.0	0.1	<0.05	6	<0.5	<0.2
100586	Soil	9	24	0.70	247	0.107	2	1.93	0.011	0.26	<0.1	0.02	4.6	0.1	<0.05	6	<0.5	<0.2
100587	Soil	8	35	0.79	177	0.086	1	2.47	0.011	0.06	0.1	0.03	4.7	<0.1	<0.05	6	<0.5	<0.2
100588	Soil	11	28	0.63	274	0.076	<1	1.90	0.013	0.10	<0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
100589	Soil	10	29	0.54	164	0.064	2	2.18	0.014	0.05	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
100590	Soil	16	32	0.61	225	0.074	1	1.99	0.014	0.05	0.1	0.06	5.4	0.1	<0.05	5	<0.5	<0.2
100591	Soil	8	27	0.55	162	0.075	2	2.04	0.010	0.06	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
100592	Soil	9	31	0.55	157	0.076	1	2.40	0.010	0.05	0.1	0.04	3.6	<0.1	<0.05	6	<0.5	<0.2
100593	Soil	8	32	0.57	180	0.073	2	2.33	0.010	0.05	0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
100594	Soil	10	30	0.56	183	0.081	1	2.29	0.010	0.06	0.1	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
100595	Soil	17	37	0.61	306	0.075	2	2.37	0.011	0.08	0.1	0.03	5.9	<0.1	<0.05	6	<0.5	<0.2
100596	Soil	13	39	0.71	206	0.113	2	1.92	0.014	0.07	0.2	0.02	5.0	<0.1	<0.05	6	<0.5	<0.2
100597	Soil	10	34	0.62	178	0.084	1	1.96	0.009	0.07	0.1	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
100598	Soil	11	32	0.62	177	0.111	1	1.63	0.013	0.07	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
100599	Soil	1.3	20.6	9.1	50	<0.1	19.4	8.9	254	2.70	6.8	0.6	3.7	2.5	18	<0.1	0.3	0.2	58	0.23
100600	Soil	1.5	30.8	11.0	64	0.4	19.2	10.2	444	2.81	6.5	1.1	3.5	0.9	24	0.3	0.4	0.2	55	0.22
100601	Soil	0.7	19.4	6.6	47	<0.1	15.4	7.8	290	2.46	4.7	0.8	2.9	3.3	22	<0.1	0.3	0.1	45	0.28
100602	Soil	0.8	23.7	8.6	52	<0.1	22.0	8.7	263	2.68	7.0	0.8	2.7	3.4	30	<0.1	0.4	0.2	61	0.32
100603	Soil	0.7	21.9	8.4	47	<0.1	19.0	8.5	247	2.57	6.5	0.6	2.4	2.8	24	<0.1	0.3	0.1	54	0.31
100604	Soil	0.8	13.4	9.0	49	<0.1	14.6	6.8	244	3.40	8.6	0.3	1.1	1.9	13	0.1	0.5	0.1	64	0.15
100605	Soil	1.3	15.4	9.4	50	<0.1	20.8	9.8	300	3.47	11.9	0.5	1.6	3.2	11	0.3	0.5	0.2	70	0.11
100606	Soil	1.2	15.4	7.8	49	<0.1	16.2	9.2	321	3.28	7.7	0.5	0.8	2.1	13	0.2	0.4	0.1	64	0.13
100607	Soil	1.2	28.5	6.9	48	<0.1	11.3	7.7	283	3.21	6.8	0.4	<0.5	2.6	8	0.1	0.3	0.2	51	0.09
100608	Soil	1.1	21.2	10.1	48	<0.1	22.8	10.8	257	3.29	10.3	0.7	1.6	3.9	16	0.1	0.7	0.2	69	0.14
100609	Soil	1.1	14.9	9.6	49	<0.1	20.3	9.5	293	3.38	11.3	0.6	1.8	3.7	14	0.2	0.6	0.2	72	0.12
100610	Soil	1.7	15.5	11.9	61	0.1	15.9	8.3	378	3.72	11.7	0.5	2.6	2.3	16	0.1	0.6	0.2	92	0.12
100611	Soil	1.1	14.3	12.9	39	0.3	10.9	4.5	254	2.13	5.0	0.5	2.8	1.7	19	0.1	0.4	0.2	53	0.17
100612	Soil	1.3	18.4	11.5	53	0.2	18.4	8.1	318	3.09	8.6	0.6	6.5	2.6	21	<0.1	0.5	0.2	64	0.21
100613	Soil	1.3	19.7	13.4	70	0.2	18.9	8.6	450	3.32	9.4	0.6	2.4	3.1	19	0.2	0.5	0.2	72	0.19
100614	Soil	1.5	23.0	12.0	76	0.1	18.2	8.4	466	2.93	7.9	0.6	<0.5	4.1	23	0.2	0.4	0.2	57	0.23
100615	Soil	1.3	19.3	11.7	59	<0.1	18.8	8.5	386	2.74	7.1	0.6	1.1	4.5	29	<0.1	0.4	0.1	54	0.26
100616	Soil	1.5	19.4	11.7	67	0.2	20.8	10.4	388	3.04	9.3	0.6	2.3	4.6	29	0.1	0.4	0.2	66	0.25
100617	Soil	2.0	33.3	13.7	62	<0.1	19.0	10.7	629	2.71	9.0	0.6	2.8	4.1	21	0.2	0.6	0.2	55	0.20
100618	Soil	1.4	20.2	13.6	62	0.1	18.1	11.0	471	2.96	8.2	0.6	<0.5	3.9	29	0.2	0.5	0.2	65	0.31
100619	Soil	0.9	47.7	7.7	43	<0.1	24.5	12.9	315	2.80	7.5	0.6	1.5	2.5	26	0.1	0.6	0.1	71	0.37
100620	Soil	0.9	43.2	13.9	59	<0.1	26.6	15.4	424	3.44	8.3	0.8	2.7	3.3	31	<0.1	0.6	0.1	80	0.53
100621	Soil	0.6	33.7	8.7	55	<0.1	19.5	14.1	743	3.15	6.2	0.6	1.4	2.5	38	<0.1	0.4	0.2	78	0.67
100622	Soil	0.9	45.8	6.8	79	<0.1	19.1	22.2	745	4.74	5.7	0.6	1.8	2.6	26	0.1	0.4	<0.1	118	0.48
100623	Soil	0.9	34.3	6.6	73	<0.1	16.0	15.2	563	3.98	3.8	0.5	2.6	3.6	25	<0.1	0.4	0.1	66	0.41
100624	Soil	0.7	20.8	9.7	49	<0.1	20.1	9.4	250	2.71	7.3	0.7	1.9	1.8	20	<0.1	0.5	0.1	62	0.21
100625	Soil	1.3	17.8	13.6	43	<0.1	11.1	5.0	174	3.25	8.5	0.6	1.4	1.8	15	0.1	0.5	0.3	88	0.12
100626	Soil	0.6	8.9	5.1	12	<0.1	3.3	1.2	47	0.82	1.6	0.3	2.7	<0.1	7	<0.1	0.2	<0.1	20	0.05
100627	Soil	0.6	16.5	7.7	50	<0.1	19.2	8.6	216	2.58	6.9	0.6	3.9	2.3	17	0.2	0.4	0.2	56	0.17
100628	Soil	0.6	22.0	7.9	51	<0.1	21.1	9.4	308	2.52	5.5	0.7	2.1	2.7	26	0.1	0.5	0.1	58	0.31



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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
100599	Soil	10	32	0.63	219	0.085	<1	1.87	0.011	0.05	0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
100600	Soil	12	32	0.50	262	0.070	2	2.05	0.015	0.08	<0.1	0.04	3.7	<0.1	<0.05	6	<0.5	<0.2
100601	Soil	12	25	0.57	210	0.116	<1	1.46	0.014	0.08	0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
100602	Soil	13	35	0.58	248	0.101	<1	1.84	0.015	0.05	0.1	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
100603	Soil	11	32	0.56	241	0.076	<1	1.73	0.011	0.04	0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
100604	Soil	7	26	0.54	138	0.119	<1	1.89	0.007	0.11	0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
100605	Soil	8	38	0.53	177	0.070	1	2.50	0.009	0.04	0.1	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
100606	Soil	9	27	0.49	190	0.063	<1	1.98	0.008	0.05	0.1	0.02	3.3	<0.1	<0.05	7	<0.5	<0.2
100607	Soil	5	21	0.63	117	0.065	<1	1.99	0.008	0.08	<0.1	0.02	4.7	<0.1	<0.05	8	<0.5	<0.2
100608	Soil	10	39	0.52	159	0.081	<1	2.80	0.013	0.04	<0.1	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
100609	Soil	9	36	0.55	169	0.085	2	2.43	0.011	0.05	0.1	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
100610	Soil	8	34	0.49	156	0.061	<1	2.03	0.011	0.03	<0.1	0.03	2.5	<0.1	<0.05	8	<0.5	<0.2
100611	Soil	12	18	0.31	266	0.066	<1	1.13	0.014	0.05	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
100612	Soil	9	29	0.49	233	0.080	<1	1.85	0.011	0.07	0.1	0.03	3.7	<0.1	<0.05	7	<0.5	<0.2
100613	Soil	13	32	0.47	353	0.080	<1	2.01	0.013	0.09	0.1	0.03	3.7	<0.1	<0.05	8	<0.5	<0.2
100614	Soil	9	30	0.48	379	0.093	1	1.82	0.011	0.14	<0.1	0.01	3.7	<0.1	<0.05	7	<0.5	<0.2
100615	Soil	12	27	0.51	328	0.084	<1	1.56	0.010	0.13	0.1	<0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
100616	Soil	9	35	0.51	256	0.067	<1	1.98	0.011	0.07	<0.1	0.03	3.0	<0.1	<0.05	5	0.7	<0.2
100617	Soil	10	29	0.48	255	0.096	1	1.62	0.011	0.14	0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
100618	Soil	9	30	0.49	317	0.088	<1	1.83	0.013	0.15	<0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
100619	Soil	11	36	0.68	201	0.075	<1	1.73	0.018	0.05	<0.1	0.02	6.2	<0.1	<0.05	5	<0.5	<0.2
100620	Soil	14	38	0.74	214	0.091	2	1.81	0.027	0.06	<0.1	0.03	8.0	<0.1	<0.05	6	<0.5	<0.2
100621	Soil	11	28	0.64	269	0.065	1	1.91	0.025	0.06	0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
100622	Soil	10	22	1.09	263	0.063	2	2.28	0.022	0.07	<0.1	0.02	9.4	<0.1	<0.05	8	<0.5	<0.2
100623	Soil	14	21	0.69	447	0.055	<1	1.71	0.020	0.11	<0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2
100624	Soil	11	33	0.53	152	0.080	<1	1.94	0.013	0.04	0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
100625	Soil	11	30	0.30	148	0.066	<1	1.61	0.009	0.03	<0.1	0.02	2.7	0.1	<0.05	9	0.6	<0.2
100626	Soil	4	7	0.07	50	0.019	<1	0.53	0.014	0.02	<0.1	0.03	0.3	<0.1	<0.05	3	<0.5	<0.2
100627	Soil	13	28	0.53	162	0.068	<1	1.80	0.012	0.04	0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
100628	Soil	14	32	0.57	194	0.087	1	1.54	0.017	0.04	<0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 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
100629	Soil	1.0	19.6	61.9	38	<0.1	12.9	6.1	209	2.08	5.1	0.5	2.9	0.3	17	0.2	0.4	0.2	49	0.17
100630	Soil	0.7	18.0	10.0	52	<0.1	20.6	10.3	353	2.66	6.9	0.8	5.3	4.3	20	<0.1	0.4	0.1	57	0.24
100631	Soil	0.7	23.2	10.2	54	<0.1	20.9	10.2	301	2.68	7.4	0.9	3.3	2.3	23	<0.1	0.4	0.1	60	0.23
100632	Soil	0.9	13.3	8.6	50	<0.1	14.4	5.9	215	2.55	6.7	0.4	1.3	0.9	14	0.2	0.4	0.2	70	0.13
100633	Soil	0.7	22.7	27.3	52	0.1	20.0	8.7	303	2.46	6.6	1.1	9.4	1.7	30	0.2	0.4	0.2	60	0.33
100634	Soil	0.8	14.5	15.7	53	<0.1	17.7	8.5	278	2.48	7.4	0.4	1.5	1.6	16	0.2	0.3	0.1	58	0.26
100635	Soil	0.8	20.7	14.0	56	0.1	19.0	9.4	203	2.75	7.7	0.7	0.6	2.4	12	<0.1	0.3	0.2	64	0.15
100636	Soil	0.8	23.6	17.6	57	0.2	18.4	11.6	479	2.49	7.5	0.7	2.5	0.8	22	0.2	0.3	0.2	55	0.30
100637	Soil	0.4	6.3	3.2	10	<0.1	2.7	0.9	17	0.39	0.8	0.2	<0.5	<0.1	5	<0.1	<0.1	<0.1	13	0.04
100638	Soil	0.9	20.5	27.7	65	0.3	17.7	7.9	181	2.72	8.4	0.6	3.4	0.8	24	0.2	0.3	0.2	56	0.29
100639	Soil	0.7	16.5	38.2	59	0.2	16.3	8.1	222	2.43	6.9	0.5	3.7	1.0	23	0.2	0.3	0.2	53	0.32
100640	Soil	0.8	16.9	40.7	65	0.2	17.0	9.5	287	2.59	7.7	0.5	2.2	1.2	22	0.1	0.3	0.2	55	0.32
100641	Soil	0.7	15.4	26.9	56	0.1	15.4	8.8	253	2.36	6.5	0.4	2.7	1.2	19	0.2	0.3	0.2	51	0.30
100642	Soil	0.6	16.0	24.1	38	0.2	11.3	5.4	68	1.68	3.4	0.6	1.9	0.5	19	0.2	0.2	0.1	31	0.23
100643	Soil	0.4	12.3	20.9	52	0.1	13.0	5.7	94	1.88	5.2	0.5	5.9	1.1	16	<0.1	0.2	0.1	38	0.23
100644	Soil	0.5	12.9	38.4	53	0.2	13.1	6.1	100	1.98	5.8	0.6	1.3	1.5	16	0.1	0.2	0.2	43	0.23
100645	Soil	0.5	18.2	52.8	65	0.1	13.8	7.5	190	2.56	7.2	0.8	4.0	3.1	15	0.2	0.4	0.1	48	0.25
100646	Soil	0.7	18.4	36.4	64	<0.1	13.0	7.8	236	2.32	5.6	1.0	2.5	3.1	16	0.2	0.2	0.1	46	0.22
100647	Soil	0.9	19.4	34.8	56	0.2	14.2	8.8	254	2.18	6.6	1.0	4.6	1.5	18	0.2	0.3	0.1	45	0.22
100648	Soil	0.6	32.5	7.8	71	0.1	25.7	11.5	344	2.77	8.6	0.5	4.4	2.7	27	0.3	0.5	0.1	66	0.44
115669	Soil	1.1	19.8	11.6	62	<0.1	16.6	9.4	441	3.07	6.8	0.5	3.2	2.4	12	0.1	0.5	0.1	61	0.15
115670	Soil	1.8	16.6	7.6	33	0.1	9.0	4.6	208	2.21	4.1	0.5	2.3	1.0	10	0.1	0.4	0.2	72	0.10
115671	Soil	0.4	28.3	5.1	48	<0.1	17.7	10.7	277	2.70	5.7	0.5	2.0	2.3	21	<0.1	0.2	<0.1	64	0.31
115672	Soil	1.0	43.3	7.4	60	<0.1	22.2	11.1	366	3.16	9.0	0.5	3.9	1.5	15	0.2	0.4	0.1	67	0.22
115673	Soil	0.8	56.8	7.6	51	<0.1	18.4	8.9	304	2.85	7.8	0.5	1.9	1.3	13	0.3	0.4	0.1	62	0.22
115674	Soil	1.4	33.6	8.5	39	<0.1	12.1	4.8	144	2.51	6.9	0.4	2.5	0.3	13	0.3	0.4	0.2	77	0.17
115675	Soil	1.2	28.0	9.3	42	<0.1	15.9	6.8	180	3.18	8.7	0.5	2.7	1.1	13	0.1	0.4	0.2	80	0.15
115676	Soil	0.5	43.3	5.2	53	<0.1	20.1	9.5	306	2.81	5.0	0.5	17.2	2.3	19	0.1	0.3	<0.1	68	0.37
115677	Soil	0.5	17.6	6.4	54	<0.1	17.0	13.4	375	2.80	6.4	0.6	4.8	2.1	22	0.1	0.3	<0.1	74	0.53
115678	Soil	0.6	20.0	6.7	56	<0.1	15.9	10.7	914	2.45	5.5	0.7	38.2	2.3	16	0.2	0.2	<0.1	56	0.33



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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
100629	Soil	8	24	0.33	121	0.039	<1	1.29	0.015	0.04	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5
100630	Soil	13	31	0.53	218	0.076	<1	2.09	0.013	0.05	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5
100631	Soil	11	33	0.53	188	0.077	1	2.01	0.013	0.04	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5
100632	Soil	8	23	0.35	98	0.081	<1	1.43	0.014	0.03	0.1	0.02	2.1	<0.1	<0.05	7	<0.5
100633	Soil	10	31	0.50	274	0.073	<1	1.81	0.021	0.04	0.1	0.04	3.8	<0.1	<0.05	5	<0.5
100634	Soil	7	27	0.49	157	0.056	1	1.50	0.015	0.04	0.1	0.03	3.0	<0.1	<0.05	5	<0.5
100635	Soil	12	34	0.50	212	0.047	1	2.30	0.011	0.05	0.1	0.04	4.9	<0.1	<0.05	7	<0.5
100636	Soil	9	28	0.42	266	0.043	2	1.68	0.013	0.05	0.1	0.04	4.0	<0.1	<0.05	6	<0.5
100637	Soil	2	6	0.03	52	0.011	<1	0.33	0.011	0.01	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5
100638	Soil	9	29	0.43	264	0.042	1	2.04	0.013	0.06	0.2	0.06	4.7	<0.1	<0.05	7	<0.5
100639	Soil	7	26	0.44	232	0.043	1	1.83	0.012	0.05	0.2	0.05	4.2	<0.1	<0.05	6	<0.5
100640	Soil	8	27	0.47	246	0.045	1	1.87	0.012	0.05	0.2	0.05	4.1	<0.1	<0.05	6	<0.5
100641	Soil	7	23	0.45	159	0.054	<1	1.48	0.013	0.04	0.2	0.03	3.4	<0.1	<0.05	5	<0.5
100642	Soil	8	19	0.23	206	0.035	1	1.33	0.011	0.04	0.2	0.06	2.9	<0.1	<0.05	5	0.6
100643	Soil	8	22	0.42	156	0.045	<1	1.37	0.011	0.04	0.1	0.06	2.9	<0.1	<0.05	5	<0.5
100644	Soil	10	23	0.40	159	0.046	<1	1.33	0.010	0.05	0.2	0.05	2.7	<0.1	<0.05	5	0.8
100645	Soil	13	23	0.46	224	0.057	2	1.55	0.011	0.07	0.2	0.05	3.5	<0.1	<0.05	5	<0.5
100646	Soil	14	21	0.42	270	0.059	2	1.52	0.009	0.08	0.1	0.04	3.3	<0.1	<0.05	5	0.5
100647	Soil	12	23	0.38	284	0.040	<1	1.35	0.009	0.05	0.1	0.06	2.8	<0.1	<0.05	5	0.6
100648	Soil	13	33	0.65	230	0.080	1	1.59	0.021	0.07	0.2	0.02	4.3	<0.1	<0.05	5	0.5
115669	Soil	15	24	0.44	225	0.039	1	1.46	0.008	0.07	0.1	0.04	3.2	<0.1	<0.05	5	<0.5
115670	Soil	9	18	0.22	147	0.058	<1	1.27	0.006	0.09	<0.1	0.04	2.5	0.1	<0.05	8	<0.5
115671	Soil	10	25	0.95	177	0.080	<1	1.98	0.011	0.08	0.1	0.02	4.0	<0.1	<0.05	6	<0.5
115672	Soil	8	30	0.56	132	0.067	1	1.95	0.009	0.07	0.1	0.04	3.3	<0.1	<0.05	6	<0.5
115673	Soil	9	28	0.51	122	0.057	2	2.02	0.008	0.05	0.2	0.05	3.0	<0.1	<0.05	6	<0.5
115674	Soil	8	23	0.20	87	0.044	<1	1.49	0.006	0.04	<0.1	0.05	1.8	<0.1	<0.05	7	<0.5
115675	Soil	9	27	0.42	122	0.060	1	2.07	0.008	0.04	0.1	0.04	2.8	<0.1	<0.05	8	<0.5
115676	Soil	9	24	0.64	168	0.064	1	1.40	0.014	0.05	0.2	0.02	2.9	<0.1	<0.05	5	<0.5
115677	Soil	9	24	0.73	279	0.056	2	1.61	0.016	0.05	0.2	0.04	3.7	<0.1	<0.05	5	<0.5
115678	Soil	10	25	0.69	235	0.042	1	1.61	0.010	0.05	0.1	0.04	3.1	<0.1	<0.05	5	<0.5



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
115679	Soil	0.5	15.3	7.2	59	<0.1	13.8	7.6	201	2.21	4.2	0.5	4.2	3.3	18	0.1	0.3	<0.1	50	0.38	0.052
115680	Soil	1.6	23.6	6.8	68	<0.1	16.1	14.8	544	2.82	6.4	0.5	7.2	2.8	22	0.2	0.2	<0.1	65	0.48	0.067
115681	Soil	1.4	56.7	6.8	61	0.2	15.1	11.1	509	2.35	4.8	0.8	4.3	1.5	25	0.3	0.2	0.1	51	0.50	0.058
115682	Soil	1.1	38.7	6.5	64	<0.1	18.4	11.6	338	2.82	4.8	0.6	3.5	2.6	18	0.2	0.3	<0.1	61	0.33	0.052
115683	Soil	1.0	28.1	6.1	64	<0.1	15.5	10.9	318	2.58	4.4	0.6	4.9	2.7	17	0.2	0.2	<0.1	56	0.31	0.049
115684	Soil	1.7	28.1	7.3	75	0.2	17.1	13.4	546	3.13	6.1	0.7	0.8	1.9	20	0.2	0.2	<0.1	76	0.34	0.058
115685	Soil	1.1	34.2	6.9	55	0.2	13.6	8.4	344	2.25	4.0	0.8	4.9	1.0	17	0.3	0.2	0.1	52	0.27	0.060
115686	Soil	1.3	36.2	17.7	80	0.2	14.4	12.8	622	2.67	4.5	0.5	1.5	1.5	21	0.2	0.2	0.2	64	0.30	0.050
115687	Soil	0.9	48.0	11.4	95	0.2	15.2	8.7	242	2.45	5.0	0.7	5.0	1.7	18	0.2	0.2	0.1	51	0.29	0.051
115688	Soil	1.0	34.4	7.3	88	<0.1	13.9	9.3	276	2.47	4.1	0.5	4.9	1.9	17	0.3	0.2	<0.1	51	0.29	0.056
115689	Soil	0.7	45.9	8.9	61	0.4	10.5	4.4	111	1.80	4.6	0.8	2.9	0.5	17	0.3	0.2	0.1	31	0.26	0.057
132140	Soil	2.1	22.8	19.8	73	<0.1	20.1	11.9	448	3.26	5.5	0.9	2.4	7.8	27	0.1	0.4	0.5	77	0.47	0.038
132141	Soil	1.8	23.5	20.5	72	<0.1	17.9	11.9	500	3.15	6.4	0.9	3.8	8.8	29	0.1	0.4	0.6	75	0.54	0.041
132142	Soil	2.4	20.7	18.0	63	<0.1	15.6	9.0	351	2.84	6.0	1.3	3.3	11.8	24	<0.1	0.4	0.6	65	0.46	0.025
132143	Soil	2.6	40.1	21.1	68	<0.1	23.7	12.0	511	3.40	6.2	1.6	4.2	8.5	29	0.2	0.6	0.7	73	0.68	0.041
132144	Soil	2.1	25.8	12.3	63	0.2	14.3	11.0	717	2.81	4.5	1.9	2.3	5.3	37	0.2	0.6	0.6	62	0.87	0.070
132145	Soil	1.9	27.7	9.1	54	0.1	16.0	10.1	503	2.70	4.6	2.2	2.6	2.7	45	0.3	0.6	0.3	58	1.42	0.060
132146	Soil	2.8	26.0	12.1	57	<0.1	16.1	11.1	436	3.35	5.0	1.2	1.3	4.9	27	<0.1	0.6	0.4	74	0.57	0.039
132147	Soil	2.7	29.6	14.3	62	0.1	21.2	11.9	521	3.46	5.3	2.5	12.3	7.3	32	0.1	0.6	0.4	80	0.69	0.048
132148	Soil	0.7	40.7	7.8	65	<0.1	31.6	21.1	527	4.22	5.0	0.4	0.8	2.9	22	<0.1	0.4	<0.1	97	0.44	0.025
132149	Soil	0.7	48.5	11.2	55	<0.1	28.5	16.5	377	3.44	5.7	0.3	1.3	1.8	29	<0.1	0.4	<0.1	95	0.50	0.031
132150	Soil	0.9	27.0	15.0	64	<0.1	22.4	16.2	965	3.39	5.5	0.3	0.9	2.6	31	0.2	0.4	0.1	86	0.34	0.022
132151	Soil	1.1	32.9	20.2	70	0.1	24.5	15.9	597	3.87	7.0	0.4	1.8	2.8	28	0.2	0.4	<0.1	90	0.45	0.030
132152	Soil	1.2	23.2	10.5	82	0.2	20.2	13.1	583	3.56	7.7	0.4	3.2	2.4	16	0.3	0.5	0.2	94	0.17	0.025
132153	Soil	0.5	51.5	6.0	54	<0.1	13.6	9.6	315	3.52	4.1	0.3	1.5	1.7	17	<0.1	0.3	<0.1	81	0.44	0.073
132154	Soil	1.1	47.9	11.5	51	0.3	16.5	14.0	745	3.43	5.5	0.7	3.1	2.6	21	<0.1	0.5	0.1	88	0.25	0.027
132155	Soil	0.8	32.4	9.0	58	<0.1	22.3	10.3	323	3.33	9.4	0.5	2.6	3.4	23	<0.1	0.6	0.1	76	0.26	0.019
132156	Soil	1.1	16.2	11.1	57	0.2	17.9	17.6	910	3.22	6.3	0.3	2.2	2.2	30	0.2	0.5	0.2	81	0.39	0.023
132157	Soil	1.1	66.4	10.9	89	0.2	18.4	16.5	2205	3.70	4.6	0.3	1.7	1.1	21	0.4	0.8	0.1	103	0.39	0.049
132158	Soil	1.3	33.3	11.0	59	0.1	11.8	6.8	258	3.43	5.8	0.3	3.9	1.2	15	0.2	0.7	0.2	106	0.22	0.051



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Project: BALLARAT

Report Date: October 17, 2011

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
115679	Soil	8	23	0.72	172	0.058	1	1.73	0.011	0.05	0.1	0.04	3.2	<0.1	<0.05	5	<0.5	<0.2
115680	Soil	8	25	0.88	209	0.076	1	1.86	0.011	0.07	0.1	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2
115681	Soil	11	24	0.68	373	0.059	2	1.48	0.012	0.07	0.1	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
115682	Soil	7	28	1.07	160	0.094	<1	1.86	0.010	0.14	0.1	0.05	3.1	0.1	<0.05	6	<0.5	<0.2
115683	Soil	8	26	0.91	154	0.091	<1	1.57	0.010	0.12	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
115684	Soil	7	31	0.93	196	0.084	1	1.81	0.010	0.08	0.2	0.03	3.4	<0.1	<0.05	7	<0.5	<0.2
115685	Soil	9	25	0.59	189	0.061	<1	1.50	0.011	0.06	0.1	0.05	3.3	<0.1	<0.05	5	<0.5	<0.2
115686	Soil	7	24	0.70	353	0.072	<1	1.34	0.013	0.09	0.1	0.02	3.3	<0.1	<0.05	6	0.5	<0.2
115687	Soil	9	25	0.66	256	0.061	1	1.48	0.010	0.07	0.1	0.07	3.6	<0.1	<0.05	5	<0.5	<0.2
115688	Soil	7	23	0.69	189	0.069	1	1.59	0.010	0.08	0.1	0.04	3.1	<0.1	<0.05	5	<0.5	<0.2
115689	Soil	7	21	0.41	252	0.045	<1	1.11	0.013	0.05	<0.1	0.08	2.4	<0.1	<0.05	4	0.6	<0.2
132140	Soil	13	39	0.70	332	0.026	<1	2.18	0.012	0.06	0.2	0.03	5.4	0.1	<0.05	7	<0.5	<0.2
132141	Soil	13	36	0.67	327	0.032	<1	2.13	0.013	0.07	0.2	0.04	5.1	0.1	<0.05	7	<0.5	<0.2
132142	Soil	16	31	0.57	289	0.033	1	1.86	0.013	0.09	0.3	0.01	4.7	0.1	0.06	6	<0.5	<0.2
132143	Soil	19	41	0.63	487	0.038	1	2.03	0.017	0.10	0.3	0.03	9.0	0.1	<0.05	6	<0.5	<0.2
132144	Soil	17	26	0.47	395	0.025	2	1.63	0.016	0.09	0.5	0.04	7.2	0.1	0.09	5	0.8	<0.2
132145	Soil	16	26	0.54	419	0.024	2	1.59	0.016	0.07	0.4	0.04	6.5	<0.1	0.07	5	0.7	<0.2
132146	Soil	15	30	0.53	334	0.029	1	1.85	0.013	0.09	0.4	0.01	6.9	<0.1	<0.05	6	<0.5	<0.2
132147	Soil	23	39	0.67	434	0.038	<1	2.26	0.017	0.09	0.3	0.03	9.1	0.1	<0.05	7	0.7	<0.2
132148	Soil	6	45	1.51	232	0.098	<1	2.92	0.022	0.10	<0.1	<0.01	7.6	<0.1	<0.05	8	<0.5	<0.2
132149	Soil	5	34	1.32	196	0.125	<1	2.53	0.023	0.05	<0.1	<0.01	5.7	<0.1	<0.05	7	<0.5	<0.2
132150	Soil	7	43	0.98	330	0.094	<1	2.39	0.017	0.08	0.1	<0.01	4.1	<0.1	<0.05	7	<0.5	<0.2
132151	Soil	7	39	1.21	238	0.107	1	2.55	0.014	0.12	<0.1	0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
132152	Soil	8	38	0.70	201	0.081	1	2.37	0.013	0.10	<0.1	0.01	4.0	<0.1	<0.05	8	<0.5	<0.2
132153	Soil	8	23	0.74	137	0.087	<1	1.84	0.037	0.05	<0.1	<0.01	5.9	<0.1	<0.05	8	<0.5	<0.2
132154	Soil	12	33	0.67	304	0.108	<1	2.48	0.016	0.10	<0.1	0.02	6.4	<0.1	<0.05	8	<0.5	<0.2
132155	Soil	10	39	0.71	227	0.118	<1	2.19	0.013	0.08	0.2	0.02	4.1	<0.1	<0.05	6	0.5	<0.2
132156	Soil	8	35	0.49	314	0.080	<1	2.13	0.015	0.08	<0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
132157	Soil	6	30	0.62	341	0.092	1	1.99	0.030	0.07	<0.1	0.02	5.0	<0.1	<0.05	8	<0.5	<0.2
132158	Soil	7	26	0.52	131	0.088	<1	1.79	0.013	0.06	<0.1	0.01	3.8	<0.1	<0.05	9	<0.5	<0.2



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Project: BALLARAT
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CERTIFICATE OF ANALYSIS

DAW11000287.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
132159	Soil																							
132160	Soil																							
132161	Soil																							
132162	Soil																							
132163	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
132159	Soil	7	25	0.64	142	0.093	<1	1.93	0.012	0.06	0.1	0.01	3.9	<0.1	<0.05	8	<0.5	<0.2
132160	Soil	13	29	0.52	195	0.073	<1	1.98	0.010	0.07	0.1	0.02	4.0	<0.1	<0.05	8	0.7	<0.2
132161	Soil	9	58	1.03	156	0.079	<1	2.76	0.012	0.09	<0.1	0.01	6.6	<0.1	<0.05	7	<0.5	<0.2
132162	Soil	10	36	0.60	199	0.084	1	2.47	0.015	0.05	<0.1	0.01	4.3	0.1	<0.05	8	<0.5	<0.2
132163	Soil	13	37	0.96	184	0.054	<1	2.42	0.013	0.07	0.1	<0.01	6.1	0.1	<0.05	8	<0.5	<0.2
132164	Soil	9	29	2.31	180	0.007	<1	3.76	0.007	0.05	0.2	0.03	13.2	<0.1	<0.05	10	<0.5	<0.2
132165	Soil	12	29	0.65	363	0.074	1	2.66	0.022	0.06	<0.1	0.03	7.4	0.1	<0.05	8	<0.5	<0.2
132166	Soil	14	36	0.51	319	0.065	<1	2.22	0.011	0.05	<0.1	<0.01	4.2	0.1	<0.05	7	<0.5	<0.2
132167	Soil	12	37	0.65	360	0.078	2	2.64	0.015	0.05	0.1	0.02	5.6	0.1	<0.05	7	<0.5	<0.2
132168	Soil	8	24	0.51	232	0.045	<1	1.73	0.017	0.04	<0.1	<0.01	4.8	<0.1	<0.05	7	<0.5	<0.2
132169	Soil	11	27	0.33	187	0.070	<1	1.56	0.011	0.05	<0.1	<0.01	4.1	<0.1	<0.05	8	<0.5	<0.2
101973	Soil	15	44	0.55	324	0.080	2	2.82	0.013	0.07	0.1	0.06	4.3	0.1	<0.05	6	0.7	<0.2
101974	Soil	10	36	0.51	206	0.083	3	2.43	0.013	0.08	0.1	0.03	3.9	<0.1	<0.05	7	0.6	<0.2
101975	Soil	12	42	0.57	132	0.092	2	2.71	0.012	0.06	0.2	0.05	3.5	<0.1	<0.05	7	<0.5	<0.2
101976	Soil	13	40	0.45	170	0.070	2	2.51	0.012	0.08	<0.1	0.04	4.2	<0.1	<0.05	8	0.6	0.3
101977	Soil	15	39	0.74	256	0.122	1	1.78	0.024	0.09	0.1	0.01	4.6	<0.1	<0.05	6	0.7	<0.2
101978	Soil	14	40	0.67	245	0.079	2	2.07	0.019	0.06	0.1	0.06	4.7	<0.1	<0.05	6	0.7	<0.2
101979	Soil	6	11	0.29	133	0.100	1	1.07	0.015	0.10	<0.1	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
101980	Soil	6	23	0.81	183	0.099	2	1.99	0.017	0.19	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
101981	Soil	10	33	0.92	246	0.118	2	2.33	0.015	0.22	0.1	0.03	3.3	<0.1	<0.05	6	1.1	<0.2
101982	Soil	9	12	0.07	170	0.045	1	0.69	0.009	0.03	<0.1	0.02	0.9	<0.1	<0.05	5	<0.5	<0.2
101983	Soil	12	29	0.47	340	0.051	2	1.57	0.009	0.05	0.2	0.06	2.8	<0.1	<0.05	6	<0.5	0.4
101984	Soil	23	35	0.60	489	0.062	2	1.96	0.014	0.05	0.1	0.06	4.7	<0.1	<0.05	6	0.6	<0.2
101985	Soil	9	31	0.41	156	0.058	2	1.81	0.009	0.05	0.2	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
101986	Soil	8	22	0.24	106	0.054	1	1.41	0.008	0.04	0.1	0.01	2.1	<0.1	<0.05	7	0.7	<0.2
101987	Soil	8	36	0.51	99	0.072	1	2.08	0.010	0.05	0.2	0.06	3.5	<0.1	<0.05	8	0.7	<0.2
101988	Soil	7	15	0.14	106	0.052	1	0.99	0.009	0.03	<0.1	0.03	1.3	<0.1	<0.05	6	1.0	<0.2
101989	Soil	9	32	0.37	90	0.080	2	1.82	0.009	0.04	<0.1	0.02	2.6	<0.1	<0.05	9	<0.5	<0.2
101990	Soil	38	30	0.44	305	0.056	1	1.87	0.018	0.04	0.1	0.05	4.0	<0.1	<0.05	6	<0.5	<0.2
101991	Soil	17	46	0.78	284	0.045	3	1.97	0.019	0.05	0.1	0.07	7.9	<0.1	<0.05	6	<0.5	<0.2



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Client: **Stakeholder Gold Corp.**

203 - 680 Third Ave.
Val D'Or QC J9P 1S5 Canada

Project: BALLARAT

Report Date: October 17, 2011

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CERTIFICATE OF ANALYSIS

DAW11000287.1

	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
101992	Soil	0.9	33.7	8.1	65	<0.1	26.2	15.4	544	3.79	7.0	0.4	6.3	2.1	18	0.1	0.8	0.1	83	0.27	0.035



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CERTIFICATE OF ANALYSIS

DAW11000287.1

	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
101992	Soil	8	32	0.62	152	0.062	1	2.04	0.015	0.06	0.1	0.02	4.5	<0.1	<0.05	7	<0.5	<0.2



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QUALITY CONTROL REPORT

DAW11000287.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
145589	Soil	0.6	23.1	8.2	56	<0.1	15.5	9.1	216	2.56	6.6	0.6	2.9	2.8	19	<0.1	0.3	0.1	54	0.26	0.044
REP 145589	QC	0.6	22.3	8.1	55	0.1	14.0	8.8	212	2.49	6.7	0.6	1.0	2.8	18	0.1	0.3	0.1	51	0.26	0.045
145603	Soil	0.6	27.9	17.5	53	0.1	16.8	9.0	293	2.60	6.7	1.0	3.5	1.7	30	0.2	0.6	0.1	52	0.45	0.057
REP 145603	QC	0.6	26.9	17.6	53	0.2	17.9	9.0	285	2.48	6.7	1.0	4.2	1.9	28	0.1	0.5	0.1	53	0.43	0.056
100586	Soil	0.7	31.3	7.0	60	<0.1	16.0	10.7	432	3.17	7.3	0.8	1.8	2.3	15	<0.1	0.3	0.1	75	0.20	0.044
REP 100586	QC	0.8	34.1	7.0	62	<0.1	16.7	11.4	460	3.28	7.9	0.7	3.5	2.3	15	0.1	0.3	0.1	75	0.20	0.044
100606	Soil	1.2	15.4	7.8	49	<0.1	16.2	9.2	321	3.28	7.7	0.5	0.8	2.1	13	0.2	0.4	0.1	64	0.13	0.031
REP 100606	QC	1.3	15.2	7.6	50	<0.1	16.1	9.3	319	3.22	7.7	0.5	2.3	2.1	13	0.2	0.5	0.1	64	0.14	0.032
100625	Soil	1.3	17.8	13.6	43	<0.1	11.1	5.0	174	3.25	8.5	0.6	1.4	1.8	15	0.1	0.5	0.3	88	0.12	0.037
REP 100625	QC	1.5	17.0	13.1	39	<0.1	10.7	4.5	167	3.06	8.3	0.6	2.5	1.7	14	0.1	0.5	0.3	79	0.11	0.037
100646	Soil	0.7	18.4	36.4	64	<0.1	13.0	7.8	236	2.32	5.6	1.0	2.5	3.1	16	0.2	0.2	0.1	46	0.22	0.053
REP 100646	QC	0.7	18.3	36.2	64	<0.1	13.5	7.8	230	2.43	5.7	1.1	2.5	3.0	16	0.2	0.3	0.1	45	0.23	0.058
115687	Soil	0.9	48.0	11.4	95	0.2	15.2	8.7	242	2.45	5.0	0.7	5.0	1.7	18	0.2	0.2	0.1	51	0.29	0.051
REP 115687	QC	0.8	50.1	11.3	101	0.2	16.7	9.1	257	2.67	4.9	0.7	6.8	1.7	18	0.3	0.2	0.1	55	0.31	0.051
132156	Soil	1.1	16.2	11.1	57	0.2	17.9	17.6	910	3.22	6.3	0.3	2.2	2.2	30	0.2	0.5	0.2	81	0.39	0.023
REP 132156	QC	1.1	15.1	10.0	56	0.2	17.2	16.9	893	3.10	6.1	0.3	1.8	2.1	30	0.2	0.5	0.2	78	0.38	0.022
132164	Soil	1.7	37.2	68.3	108	<0.1	15.8	22.0	972	5.68	2.6	0.5	10.7	2.4	23	0.2	0.8	<0.1	127	0.60	0.074
REP 132164	QC	1.7	37.9	70.8	107	0.1	16.1	22.0	977	5.70	2.9	0.5	31.5	2.5	24	0.2	1.0	<0.1	135	0.59	0.075
101986	Soil	1.3	21.3	18.3	44	<0.1	10.9	5.1	215	2.78	7.3	0.5	5.7	1.7	11	0.1	0.6	0.2	66	0.09	0.028
REP 101986	QC	1.3	20.7	19.3	44	<0.1	10.7	4.9	215	2.81	8.2	0.5	5.4	1.8	11	0.2	0.5	0.2	67	0.09	0.028
Reference Materials																					
STD DS8	Standard	12.5	107.4	113.8	288	1.7	34.7	7.2	561	2.31	24.1	2.6	114.1	6.4	59	2.2	5.1	6.1	38	0.64	0.074
STD DS8	Standard	12.9	110.2	127.3	313	1.7	38.0	7.3	576	2.28	24.3	3.0	110.1	6.9	73	2.1	6.1	7.2	39	0.65	0.078
STD DS8	Standard	13.6	117.6	120.6	316	1.8	40.3	7.8	628	2.53	26.6	2.8	108.4	7.2	67	2.6	5.7	6.7	45	0.74	0.085
STD DS8	Standard	12.2	107.6	116.0	311	1.8	36.2	7.3	590	2.40	25.7	2.2	107.8	5.7	54	2.2	5.0	5.8	40	0.62	0.082
STD DS8	Standard	13.2	109.7	130.6	317	1.8	38.0	7.8	614	2.50	25.4	2.8	111.7	6.8	64	2.3	5.6	6.5	41	0.69	0.082
STD DS8	Standard	12.3	118.5	124.1	316	1.9	40.2	7.9	625	2.49	27.3	2.6	119.1	6.2	60	2.4	5.7	6.7	44	0.67	0.084
STD DS8	Standard	13.1	104.3	119.1	290	1.7	36.0	7.3	607	2.31	24.2	2.7	100.5	6.5	64	2.4	5.3	6.2	40	0.66	0.071



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Part 2

QUALITY CONTROL REPORT

DAW11000287.1

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																		
145589	Soil	10	27	0.54	160	0.073	2	1.99	0.015	0.05	0.1	0.04	3.1	<0.1	<0.05	6	<0.5	<0.2
REP 145589	QC	10	26	0.54	163	0.069	2	1.99	0.014	0.05	<0.1	0.04	3.1	<0.1	<0.05	6	<0.5	<0.2
145603	Soil	14	27	0.49	352	0.057	2	1.68	0.022	0.05	0.1	0.05	5.2	<0.1	<0.05	5	0.5	<0.2
REP 145603	QC	15	26	0.48	347	0.055	2	1.66	0.020	0.04	0.1	0.07	5.2	<0.1	<0.05	5	<0.5	<0.2
100586	Soil	9	24	0.70	247	0.107	2	1.93	0.011	0.26	<0.1	0.02	4.6	0.1	<0.05	6	<0.5	<0.2
REP 100586	QC	9	25	0.72	251	0.106	1	1.98	0.011	0.27	<0.1	0.03	4.6	0.1	<0.05	6	<0.5	<0.2
100606	Soil	9	27	0.49	190	0.063	<1	1.98	0.008	0.05	0.1	0.02	3.3	<0.1	<0.05	7	<0.5	<0.2
REP 100606	QC	9	28	0.49	192	0.067	<1	2.00	0.008	0.05	<0.1	0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
100625	Soil	11	30	0.30	148	0.066	<1	1.61	0.009	0.03	<0.1	0.02	2.7	0.1	<0.05	9	0.6	<0.2
REP 100625	QC	10	27	0.30	139	0.058	<1	1.58	0.009	0.03	<0.1	0.02	2.4	0.1	<0.05	9	<0.5	<0.2
100646	Soil	14	21	0.42	270	0.059	2	1.52	0.009	0.08	0.1	0.04	3.3	<0.1	<0.05	5	0.5	<0.2
REP 100646	QC	14	22	0.43	280	0.055	<1	1.49	0.009	0.09	0.2	0.04	3.4	<0.1	<0.05	5	<0.5	<0.2
115687	Soil	9	25	0.66	256	0.061	1	1.48	0.010	0.07	0.1	0.07	3.6	<0.1	<0.05	5	<0.5	<0.2
REP 115687	QC	9	28	0.66	268	0.065	<1	1.57	0.010	0.07	0.1	0.05	3.9	<0.1	<0.05	6	<0.5	<0.2
132156	Soil	8	35	0.49	314	0.080	<1	2.13	0.015	0.08	<0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
REP 132156	QC	8	34	0.45	301	0.082	<1	2.03	0.014	0.07	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
132164	Soil	9	29	2.31	180	0.007	<1	3.76	0.007	0.05	0.2	0.03	13.2	<0.1	<0.05	10	<0.5	<0.2
REP 132164	QC	9	30	2.38	182	0.012	<1	3.82	0.008	0.06	0.3	0.02	13.7	<0.1	<0.05	10	<0.5	<0.2
101986	Soil	8	22	0.24	106	0.054	1	1.41	0.008	0.04	0.1	0.01	2.1	<0.1	<0.05	7	0.7	<0.2
REP 101986	QC	8	22	0.24	109	0.052	2	1.48	0.010	0.04	<0.1	0.02	2.2	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	107	0.56	267	0.103	2	0.81	0.084	0.38	2.7	0.21	1.8	5.1	0.11	4	5.2	4.6
STD DS8	Standard	15	109	0.59	258	0.125	2	0.89	0.085	0.40	2.9	0.20	2.1	5.3	0.15	5	4.7	4.9
STD DS8	Standard	19	122	0.65	304	0.126	3	0.98	0.096	0.42	3.0	0.18	2.3	5.5	0.20	5	5.2	5.2
STD DS8	Standard	14	107	0.59	284	0.087	2	0.88	0.090	0.39	3.1	0.23	1.9	5.4	0.14	4	5.7	5.2
STD DS8	Standard	16	113	0.61	286	0.112	3	0.90	0.089	0.43	3.0	0.20	2.0	5.5	0.16	5	5.0	4.9
STD DS8	Standard	13	121	0.64	272	0.105	2	0.92	0.088	0.41	3.5	0.22	2.2	5.7	0.14	5	5.4	5.3
STD DS8	Standard	14	110	0.58	273	0.106	2	0.88	0.096	0.41	2.8	0.20	2.3	5.2	0.12	4	4.8	4.6



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QUALITY CONTROL REPORT

DAW11000287.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	12.6	121.5	130.1	330	1.8	36.9	7.4	594	2.45	26.0	2.8	121.7	6.8	75	2.6	6.8	7.7	40	0.68	0.083
STD DS8	Standard	12.1	115.1	123.6	326	1.9	39.4	7.7	615	2.51	26.0	2.4	121.0	5.8	63	2.6	6.0	7.0	41	0.67	0.082
STD DS8	Standard	13.1	114.6	122.1	317	1.9	37.9	7.7	611	2.45	25.9	2.5	110.8	6.2	64	2.3	5.1	6.7	43	0.67	0.078
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

DAW11000287.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	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
STD DS8	Standard	15	113	0.61	272	0.128	3	0.89	0.092	0.42	3.2	0.22	2.6	5.4	0.15	5	5.5	4.8
STD DS8	Standard	14	119	0.61	281	0.117	2	0.91	0.084	0.42	3.1	0.20	2.4	5.6	0.16	5	4.9	5.1
STD DS8	Standard	14	119	0.62	280	0.111	2	0.97	0.112	0.43	3.0	0.20	2.4	5.5	0.15	5	5.4	4.9
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Acme Analytical Laboratories (Whitehorse) Ltd.

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Client: **Stakeholder Gold Corp.**

203 - 680 Third Ave.
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Submitted By: Mark Fekete

Receiving Lab: Canada-Whitehorse

Received: September 25, 2011

Report Date: October 31, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001743.1

CLIENT JOB INFORMATION

Project: BALLARAT
Shipment ID: 20110918111929
P.O. Number
Number of Samples: 18

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	18	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01	18	Fire assay fusion Au by ICP-ES	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

ADDITIONAL COMMENTS

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: Martin, Charles
2680 Cambridge St.
Vancouver BC V5K 1L6
Canada

CC: Lauren Wilson



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



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Project: BALLARAT

Report Date: October 31, 2011

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11001743.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
106771	Rock	1.15	163
106772	Rock	0.66	126
106773	Rock	0.33	16
106774	Rock	1.50	58
106775	Rock	1.94	114
106776	Rock	0.55	37
106777	Rock	0.64	2
106778	Rock	0.77	<2
106779	Rock	0.56	5
106780	Rock	0.47	<2
106781	Rock	0.75	<2
106782	Rock	1.99	<2
106783	Rock	0.54	<2
106784	Rock	1.16	13
106785	Rock	0.49	36
106786	Rock	0.78	27
106787	Rock	0.69	<2
106788	Rock	0.39	3



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Project: BALLARAT

Report Date: October 31, 2011

Page: 1 of 1 **Part** 1

QUALITY CONTROL REPORT

WHI11001743.1

Method		WGHT	3B
Analyte		Wgt	Au
Unit		kg	ppb
MDL		0.01	2
Core Reject Duplicates			
106774	Rock	1.50	58
DUP 106774	QC		56
Reference Materials			
STD OXC88	Standard		209
STD OXH82	Standard		1303
STD OXC88 Expected			203
STD OXH82 Expected			1278
BLK	Blank		<2
BLK	Blank		<2
Prep Wash			
G1	Prep Blank		<2
G1	Prep Blank		<2

Surface Work Performed from June 1, 2011 to September 14, 2011

**On the
Ballarat Property**

KIT 3 to 14	YC07107-YC07118
TIK 1 to 52	YC95394-YC95303
TIK 53-68	YC95304-YC95333
TIK 69-82	YC95320-YC95333
BA 1-96	YD72511-YD72606
BA 98-104	YD72606-YD72614
BA 110-111	YD72802- YD72801

**Dawson Mining District, Yukon
NTS Sheets 115J14,J15, O02 and O03
63° 00' N. Lat., 139° 01' W. Long.**

Operated by



**By
Mark Fekete, P.Geo.
and
Ben Dubois, B.Sc., GIT
January 15, 2012**

Volume III

Appendix D - Undergraduate Project, Clifford Taylor

Fuchsite Alteration

Clifford (Joey) Taylor

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Chapter 1

Project Area

The Yukon Territory south and southwest of Dawson City has been the focus of considerable exploration for gold in the past two to three years. The discovery of gold marked the identification of an apparently new gold district in this part of the Yukon, with structurally-controlled gold occurrences hosted by a variety of metamorphic rocks of early Palaeozoic age. Hinterland Metals (Now Stakeholder Gold Corp.), currently controls 9 properties in the Yukon. The projects are at a grassroots stage of exploration, and the company was conducting exploration in a number of areas by basic prospecting, geological mapping, trenching, geochemical and geophysical methods and diamond drilling as part of this regional exploration program. As part of this program detailed exploration was carried out in a project area located near Ballarat Creek. Canada Four trenches totalling 750m in length were dug on a ridge flanking Thistle Mountain in the summer of 2010 on the North-western tip of the Ballarat Property. The area was targeted based on the high gold anomalies within the soil. The present project is based on detailed geological mapping of these trenches conducted during August, 2011. The objective of the fieldwork was to map the local geology, and collect a sample suite for more detailed investigations of the rocks present. Detailed investigation of the sample suite was conducted in order to identify the lithologies, place them in a local and regional context, and to examine and interpret the mineralization exposed in the trenches.

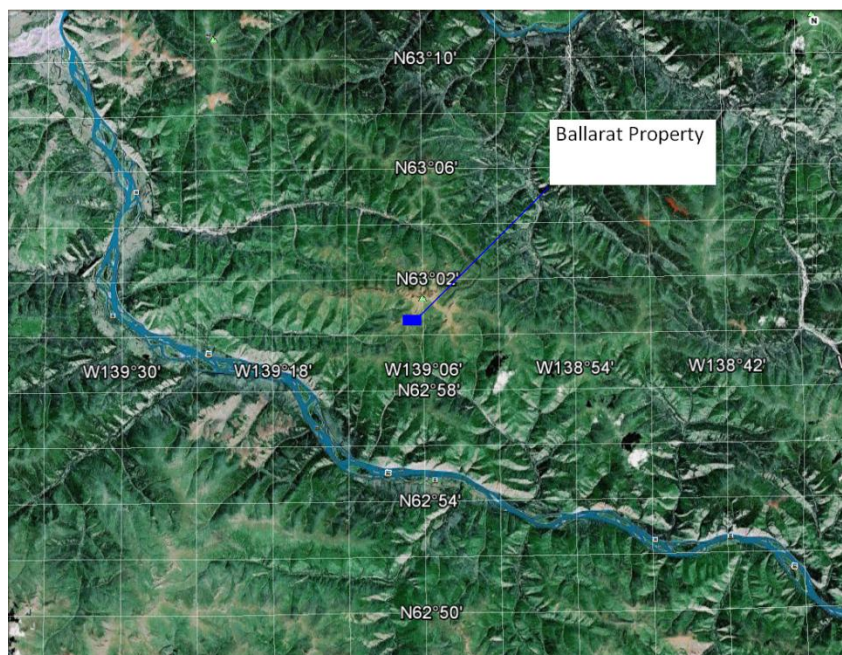


Figure 1-1 – Project location.

Yukon Geology

Yukon is located in North-western Canada, encompassing the northern part of the North American Cordillera and part of the North American Craton. The Cordilleran Orogen records the collision of a series of outboard terranes with the North American continental margin. The Northwest-trending Tintina strike-slip fault is a major geological landmark. The fault is a dextral strike slip, and has approximately 430km of displacement that occurred in the Paleogene. This fault separates the North American Cordillera and the North American Craton to the Southwest and Northeast respectively. One exception to this is in South-eastern Yukon where the allochthonous Yukon-Tanana and Slide Mountain Terranes lie northeast of the fault, and the parautochthonous, Cratonic, Cassiar Terrane lies southwest of the fault (Colpron, 2010).

Geology of the Yukon-Tenana Terrane

The project area is within Yukon-Tenana Terrane. The YTT is a part of the Intermontane group of Terranes that make up central Yukon. **Figure 1-2** shows the location of the YTT in teal. These terranes and assemblages are very complex due to the level of faulting that has occurred in the area. The Terrane is the remnants of old island arc and back arc material, accreted to the continent during the formation of the North American Cordillera.

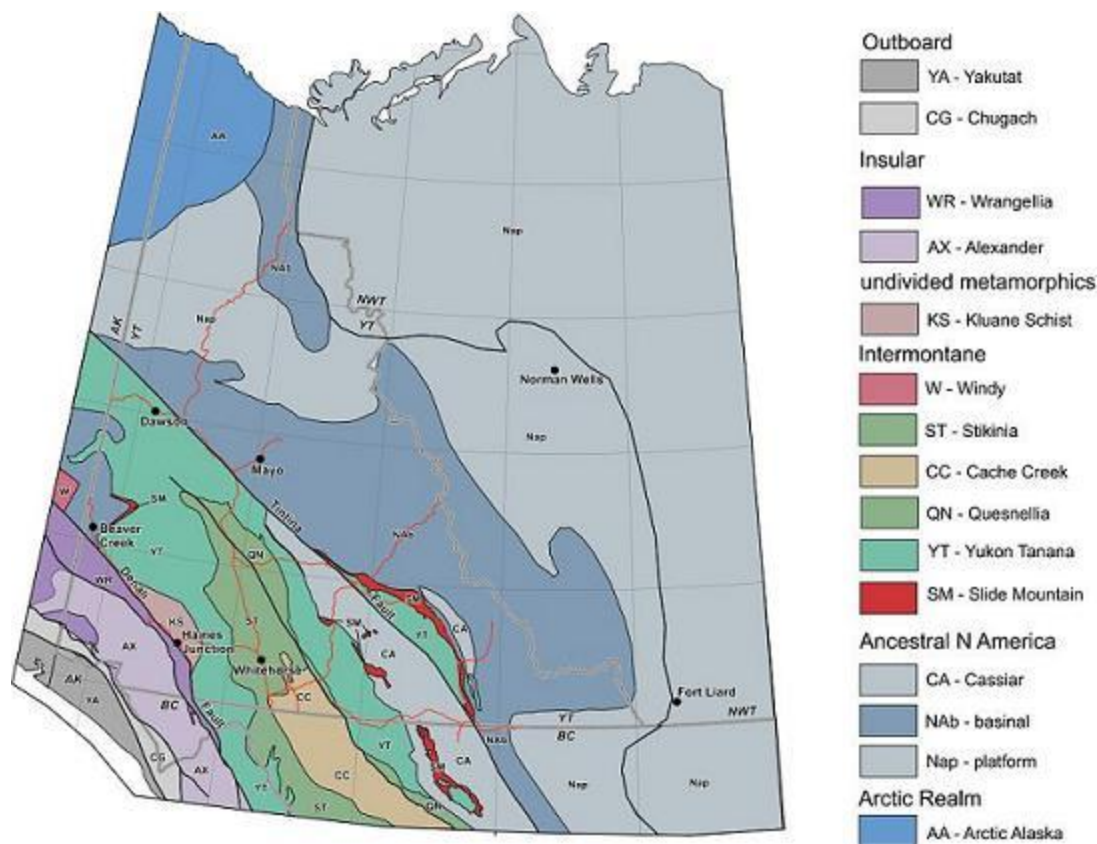


Figure 1-2 - Map of geological terranes in the Yukon

Many of the metamorphic rocks within this terrane and throughout central Yukon are referred to as the Yukon Group. The name is rather informal; there is not one single event that deformed all of the rocks. A more acceptable name for these Proterozoic and Palaeozoic Metamorphic rocks is the Yukon Metamorphic Complex (Colpron, 2010).

Regional Geology

The area was geologically mapped by Christie (1942) and Tempelman-Kluit (1973) at a scale of 1:250,000. These maps provide a good regional context for the project area, but are not detailed enough to provide a good interpretation of the geological setting at the property scale.

The project area is underlain by a regionally-extensive rock unit that is unnamed, and is usually referred to as the Schist-Gneiss unit (Tempelman-Kluit, 1973). The unit is poorly exposed, due to the rapid weathering of the rocks. The unit is comprised of grey muscovite biotite-quartzite and quartz feldspar mica schist. Amphibolite and augen gneiss (similar to the Pelly Gneiss) are also found in lesser amounts. Minor marble lenses are found locally throughout the unit. The metamorphosed rocks are upper Greenschist Facies, with biotite being the highest grade indicator mineral. The rocks possess a well-developed schistosity. The Unit's age is not fully known. The age range for the Schist-Gneiss Unit is anywhere from Proterozoic to Devonian-Mississippian (Tempelman-Kluit, 1973). The Unit is structurally overlain by the Klondike schist. Potassium-Argon dating on the micas in the Klondike Schist show the last metamorphism on the unit occurred in the early Mesozoic (Green, 1972. p. 116). The Pelly Gneiss, which is structurally below the Schist-Gneiss Unit, is believed to be last metamorphosed at the same time as the Klondike Schist, which means the Schist-Gneiss Unit was probably last metamorphosed at the same time. This relationship also led Tempelman-Kluit to believe the units are very similar in age.

The most recent geological mapping in the area was carried out by J.J. Ryan and S.P. Gordey in 2001. A simplified geological map of the area was produced (**Figure 1-3**), with the project area overlying near the bottom of the Amphibolite layer and top of the Mafic Schist layer.

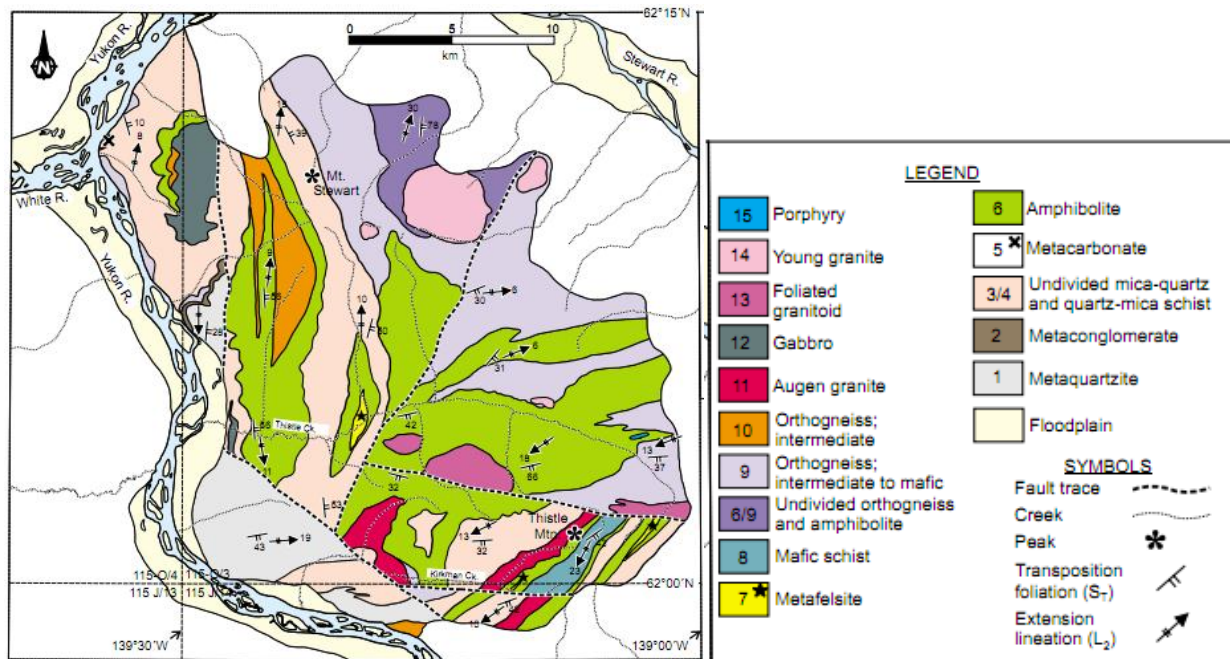


Figure 1-1- Simplified geology of the project area from Ryan and Gordey (2001).

The amphibolite layer contains amphibolite schist and a metabasic gneiss. The strain and composition varies significantly within the unit. Common assemblages of the amphibolite are hornblende-plagioclase, as well as garnet-hornblende-plagioclase. Quartz and epidote can be either present or absent. The protolith is hard to discern from the unit due to the extreme grain size coarsening from the regional metamorphism. Some principal textures have been preserved: breccia clasts and pillow selvages. These infer that the protolith was either a mafic volcanic or volcanoclastic rock. Gradation in variation between mafic and intermediate amphibolites can be seen, and is interpreted as the variation in the protolith volcanics. The Amphibolite grades to a mica-quartz and quartz-mica schist locally in some areas. Some of the amphibolite is marked by quartz mylonite bands. These bands are interpreted as deformed

veins rather than quartz rich beds. Some of the massive mafic amphibolite layers may also be deformed mafic sills or dykes. These deformed sills and dykes are boudinaged due to rock being much more solid than the surrounding volcanics or sedimentary rocks.

The Mafic Schist layer is an assemblage of biotite-hornblende with plagioclase and quartz either absent or present. Many quartz layers as well as large biotite “books” make the schist look gneissic. The unit is bounded above and below by the amphibolite layer.

Both of these units can be interpreted as island arc material as both have a volcanic/volcaniclastic protolith. These findings by Ryan and Gordey seem to be consistent with what has already been found in the field. Amphibolites as well as quartz-mica schists, and more massive quartzites have been found in the study area.

Mineralization History

The Dawson Range within the Yukon Tanana Terrane has been subject to a lot of mineral exploration in the past few years due to, among other things, the high price of gold. **Figure 1-4** shows the locations of major deposits near Ballarat. Copper and gold deposits are the most common, with many styles of mineralization present. Porphyry, skarn/replacement, breccia, veins and epithermal overprint deposits are all found within the Range. These deposits are structurally controlled by NW and WNW trending faults. Second order NE and N trending faults are also present. The Golden Saddle zone is arguably the most famous gold deposit in the White Gold District. The deposit is located just Northwest of Thistle Mountain and the project area. The gold deposit is within a breccia (structural and hydrothermal), yielding approximately one

million ounces at about 3.2 grams per tonne (MDRU, 2011). Pyrite is abundant as well. Notable deposits that are present southeast of the White Gold district include the Nucleus Deposit (skarn and breccia) and the Sonora Deposit (skarn). These deposits are similar due to their structural controls, the NE trending faults.

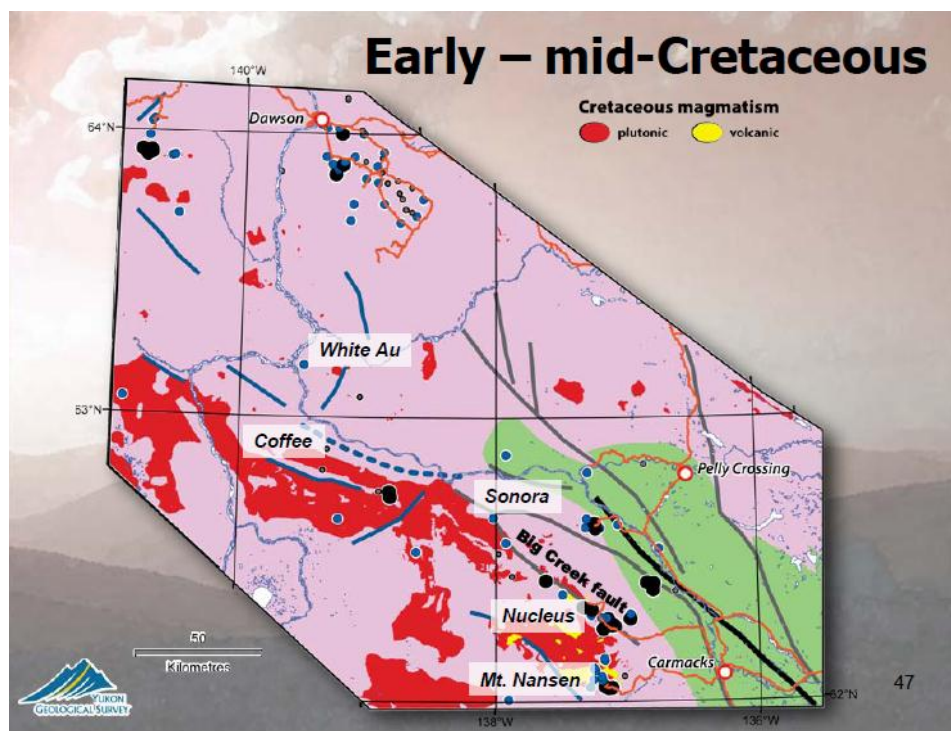


Figure 1-2- Map of major deposits in Central Yukon near Ballarat

Chapter 2

Field Work

The field work for the Ballarat Project was spread over the course of three days, August 16-18. Each day included travel from the camp located at Kirkman Creek, just 4km west of the project location. The Ballarat camp is located about 118km due south of Dawson, Yukon. The camp is located on a road that provided access to the project location, with the four trenches located

500m from the road. An ATV was used to travel the distance on the road, with the remaining 500m being traveled by foot. IPAQ handheld device coupled with Geo Info Mobile and Tierra Mapper software were used during the field work to record notes, mark sample locations and trace the trenches.

The first step in the field work was to mark the trench locations. This was done by using Geo Info Mobile to create a shapefile which marked the location on the map through GPS. By walking down the trenches, a polyline file was created that followed the outline of the trench. Once the trenches were mapped, the geological work could begin. Observations and samples were taken at each different lithology. These observation points were added as a shapefiles with the GPS marking their location. The IPAQ enabled me to view the basemap, trench outlines and observation points on the screen while work was being done. Notes regarding the geology were taken at each of these sample points. The slumping of the bedrock near surface had changed the actual strike and dip of some of lithologies. This slumping was in the downhill direction. In addition to the surface slumping, the trenches were highly weathered. This was due to them being 1 year old, and running in a downhill direction enabling water to flow down them. Careful examination of the rocks was taken when measuring the azimuths ensuring that: the rocks were outcrop, and that the rock's azimuths weren't changed by slumping. Boundaries between different lithologies were recorded by using a polyline shape file. At most of the observation points, a representative sample of the lithology was taken. Samples were chosen mostly based on how little weathering had occurred. This often required breaking samples with a sledgehammer or a grub hoe to expose a fresh surface. Samples were also chosen so that they would be big enough to cut a thin section from. Samples were immediately put into plastic

bags, and numbered using the formula AABCC, with AA being the date, B being the trench number, and CC being the sample number. Samples were brought back to camp daily. With the field work completed, the data from the IPAQ was uploaded into Arc GIS where a primitive map was formed. This map is a basemap of the area, overlain by the contacts, trenches and sample points. The continuity of some lithologies can be seen across the trenches. However before a map of the lithologies can be made they must be confirmed in the lab.

Research

Research was done on the project area on the return to Halifax. In order to interpret the data collected, previous works in the project area must first be understood. The project area has not been mapped at a regional scale, but a mapping report by Ryan and Gordey completed in the area in 2001 gave a good outline of the units present around Thistle Creek and Stewart Mountain. This report produced a rough, large scale map of the area, but a detailed description of each unit. A 1:250,000 map and report by Thorkelson in 1974 proved to be a good resource as well, giving a good description of the units. There has been much work done on the Yukon-Tenana Terrane, which gave a large scale picture for the area. Research was also done into gold mineralization in the area. The Golden Saddle deposit is well studied and is located just Northwest of Ballarat Creek.

Lab Work

The samples were sent to Dalhousie University where they were sawed with a diamond blade table saw to expose fresh surfaces. 21 thin sections were cut, along with 16 polished sections. Thin sections will be made in order to best describe the regional geology. This meant that each lithology, as well as variations within that lithology were chosen to cut. Detailed mineralogical

work was done on the thin sections. Mineral and textural identification were done on the samples.

Polished sections were taken from samples that are abundant in sulphides, and have the potential for visible gold. Most of the polished samples were cut from rocks that are part of the alteration zone that is present. Geochemistry was done on the polished sections samples. In cooperation with the Nova Scotia Department of Natural Resources, X-Ray Fluorescence work on the altered samples was completed.

Electron Microprobe work was completed on the polished sections to identify mica compositions, as well as any sulphides present.

After all of the thin section, polished section and geochemistry work is complete, all the data was compiled to produce a regional geology map. The 1:3000 map separated the different units of rocks and outline their major lithologies. Using the data, a model of the alteration zone was completed. This model explains the type of alteration, mineralization, and how it occurred.

Chapter 3

Thin Section Work

Samples from the project location that had corresponding thin sections were analyzed using a transmitted light microscope. The samples are organized by lithology, although variations in the mineralogy within lithologies exist.

Gneiss

Sample **17214** is a gneiss that occurs at the bottom of trench 2, and the stratigraphically lowest lithology of the samples. 2 thin sections were cut from this sample, one of the more mafic

minerals and the other with mafic and felsic minerals. The light bands are defined by quartz and plagioclase. The quartz exhibits good undulose extinction and is partially recovered. Plagioclase composition ranges from near 0% to 45% anorthite. The dark gneissic bands are defined by coarse grained hornblende and medium grained biotite. Some retrograde chlorite is present in these dark bands replacing the biotite. Quartz and titanite crystals are found within the poikilitic hornblende. **Figure 3-1A** shows a mafic section of 17214, where **Figure 3-1B** shows a more felsic section.

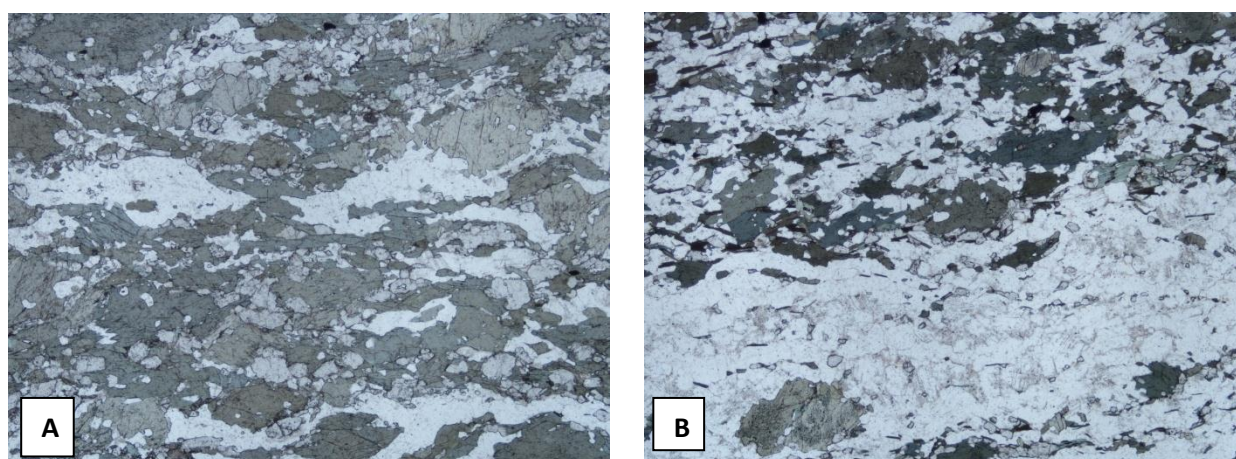


Figure 3-1 – A – Mafic section of sample 17214. **B-** Felsic and mafic section of 17214. Field of view (FOV) for both photomicrographs is 6.25mm.

Amphibolite

The uppermost sections of the four trenches are composed of an amphibolite. Sample numbers 16201, 17301, and 16101 all had thin sections cut and are relatively consistent in composition. This lithology is defined by the abundance of hornblende. Epidote, Titanite and quartz are also present in these samples. Small veinlets, as well as larger veins of quartz, plagioclase and calcite appear in the amphibolite. Sample 17301 shows a slight change in grade within the rock, with a

more actinolitic amphibole than the 16201 and 16101. Samples 16105 and 16203 occur lower than the other three samples, and are very similar in composition.

16201 – Fine to medium grained blue/green hornblende is the dominant mineral in this sample. Epidote is abundant throughout, but mostly occurs in the more felsic layers. Lighter bands contain Epidote, hornblende and quartz. These lighter layers are less obvious in 16201 than they are in the other amphibolite samples. Titanite is prevalent throughout the whole sample. A small, discordant vein occurs in the sample, with branches coming off into the foliation. The vein is about 2mm thick, and is composed of plagioclase and quartz. Smaller veinlets also run through the sample, roughly parallel with the larger veinlet. These smaller veinlets create some offset in the grains that they run through.

17301 – Hornblende is the dominant mineral in this sample, but is less abundant than 16201. Pleochroism in the hornblende is very minor, somewhere between actinolitic and hornblende composition. Foliation within the sample is similar to 16201, with the exception of a secondary foliation beginning to form. Epidote is more prevalent in this sample. Discordant quartz veins are present, same scale as small ones in 16201. This sample is lower amphibolite facies.

16101 – Medium grained blue/green and light to dark green hornblende prevalent. Epidote and quartz common in sample as well. Small veinlets similar to ones found in 17301 and 16201 present, with parallel fractures through grains running parallel to veinlets. Titanite is also present throughout. **Figure 3.2A** and **3.2B** show the sample under plain polarized light (PPL), and in cross polarized light (XPL) respectively.

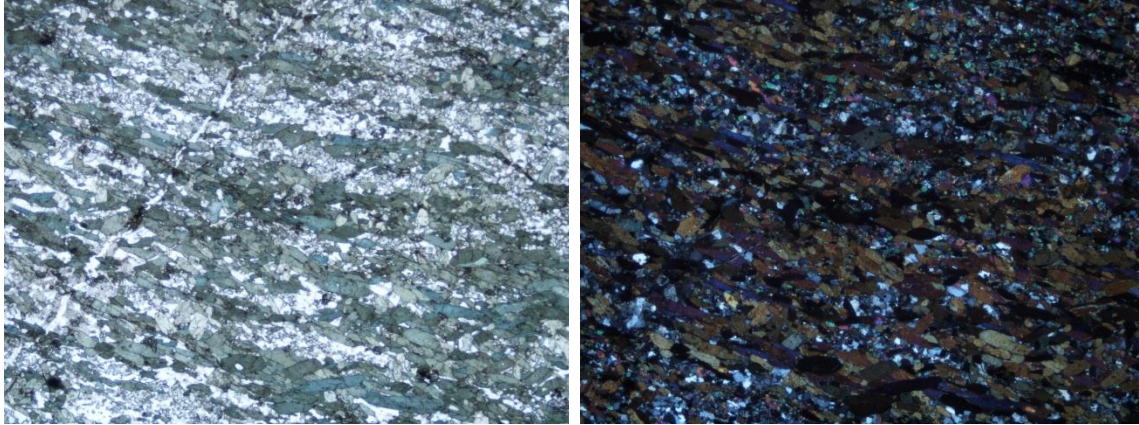


Figure 3-2A- 16101 in PPL. **B-** 16101 in XPL. FOV is 6.25mm for both photomicrographs.

16203 - This sample is primarily composed of hornblende. Epidote and Titanite are present in large amount, with minimal quartz occurring. Calcite occurs in layers with altered chlorite. These layers appear to be altered. Small discordant calcite veinlets about 1/10 of a mm occur throughout the whole sample. Medium grained opaques occur in trace amounts, which are probably pyrite.

16105 – This sample is composed mostly of hornblende and chlorite, with layers of both minerals being present. An accurate modal composition of the two minerals in this lithology cannot be determined in this sample due to the large layers of both. The chlorite present appears to have been altered, similar to the texture found in 16203. Medium to fine grained Titanite is prevalent throughout the whole sample, with some areas being very rich. Calcite rich layers exist in the sample. Very fine grained, discordant calcite veins are present. A very fine grained section is present, with what could be metamorphosed glass.

Quartz + Muscovite Schist

The central part of the 4 trenches is comprised of a schist that ranges in compositions. This schist makes up the majority of the trenches. These schists are described as either a greenschist or Quartz + Muscovite Schist. The Quartz + Muscovite schist is mostly composed of quartz, with the only other major mineral being muscovite. Minor biotite and garnet may also be present. The appearance of muscovite is what defines the difference between the quartzite and the schist.

16106 – About 80 percent quartz, with the remainder being composed of muscovite and biotite. Micas define foliation; grains generally spread out and not connected. Some retrograde chlorite pseudomorphs biotite. Sutured quartz grains are also present. Minor amounts of small to medium grained garnet are present. Garnet grains are heavily fractured, some retrograde chlorite is found in previous garnet.

16204 – This sample is about 60 percent quartz, with the remainder being composed of muscovite. Muscovite is well foliated, with second foliation developing. Grains are generally found in bands. Quartz is sutured.

17302 – Quartz and Muscovite are abundant. Muscovite occurs primarily in bands, which defines the foliation. Quartz grain boundaries are sutured, with undulose extinction occurring in the quartz grains. **Figure 3-3** shows a sections of 17302 in XPL.

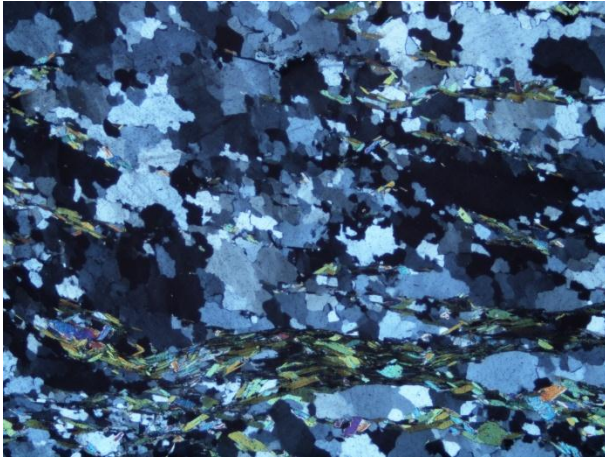


Figure 3-3-
Sample
17302 in
XPL. Typical
Quartz-
Muscovite
Schist. FOV
is 2.5 mm.

18408 – This sample is poorly foliated, and is composed of only 3-5 percent muscovite. The remainder of the sample is composed of quartz. Quartz grains are well sutured.

18306 – Sample is composed of 95-97 percent quartz and is very similar to 18408. Muscovite is fine grained and not continuous, but does define foliation. Quartz is well sutured, with some quartz appearing in fine grained veins.

Greenschist

The greenschist occurs in the same section as the quartz + muscovite schist and varies in composition.

17210 – Host rock is primarily quartz and muscovite, with coarse grained garnet porphyroblasts. Biotite rich layers are present, with retrograde chlorite occurring in some grains. Garnet is fractured with chlorite pseudomorphing it also. **Figure 3-4** shows a section of 17210 in PPL (**A**), and XPL (**B**). This section of the slide is at the boundary between a greenschist and a biotite schist.

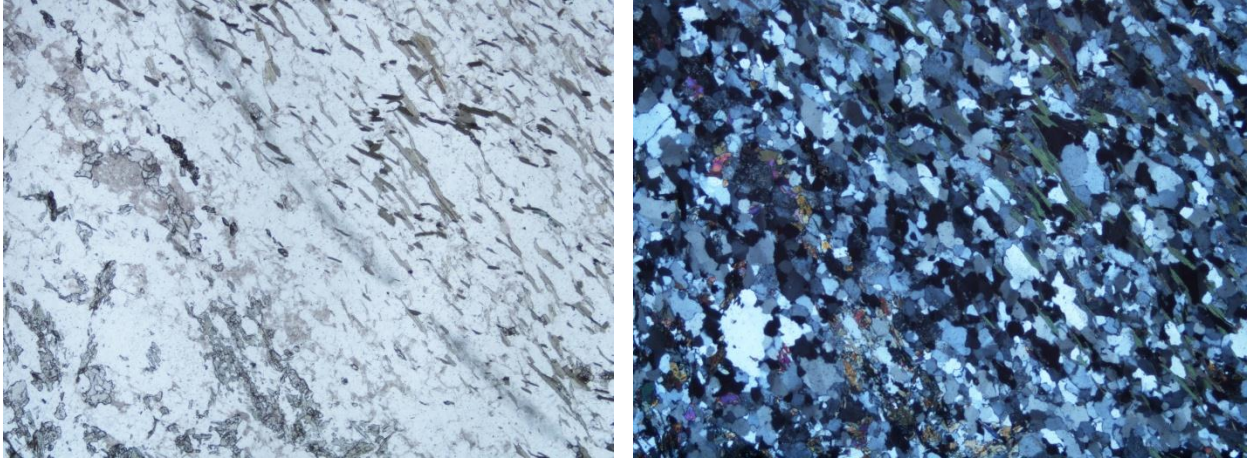


Figure 3-4A- 17210 in PPL. **B-** 17210 in XPL. Greenschist (lower left) transition to biotite schist (upper right). FOV is 6.25mm.

17207 – This schist is composed primarily of quartz and micas. Coarse grained fractured garnet porphyroblasts are present. Retrograde chlorite is present in biotite and in the garnets. Mica rich layers are composed of medium grained muscovite and biotite. Mica layers are continuous with a good primary foliation. A secondary foliation is present but not as developed.

17213 – This sample is located on a compositional boundary of the schist. One section is composed almost completely of quartz and biotite, with biotite defining the foliation. Biotite makes up approximately 30 percent of the sample. Retrograde chlorite is present in small amounts pseudomorphing the biotite. The second layer contains both quartz and biotite, with the majority of the biotite being pseudomorphed by chlorite. Epidote and Titanite are also present.

Mafic Intrusions

Located about 200m down **Trench 2** is a mafic intrusion that appears to have intruded the Schist Gneiss Unit after metamorphism due to the lack of foliation with the samples.

17212 – This sample contains small to medium grained plagioclase with a very fine grained matrix. Medium to coarse grained calcite porphyroblasts are present. Fine grained opaques make up about 2-3 percent of the sample. Quartz composition is undetermined due to the very fine grained matrix.

17206 – Medium grained amphibole makes up about 50 percent of the sample, and occurs as hornblende phenocrysts. Pleochroism is light green to green. Crystals are elongated depending on orientation. No preferred orientation or foliation is present. Matrix is fine grained and difficult to discern composition or mineralogy. Fine grained, rounded opaque minerals make up about 2-3 percent of the sample. Trace amounts of medium grained calcite occur sporadically throughout the sample. Quartz composition is undetermined due to the matrix being too hard to resolve.

17203 – This sample contains about 20 percent Amphibole, sample grain shape and composition as ones found in **17206**. Matrix is fine grained and “dirty”, with grains being difficult to distinguish. Fine grained opaques are present. Calcite is more prevalent in this sample, making up about 2-3 percent of the sample. These medium grained calcite grains have brown reaction rims around their perimeter. No foliation or preferred orientation of the phenocrysts or other minerals exists in this sample.

X-Ray Fluorescence

A reconnaissance geochemical analysis of selected sampled was carried out by X-ray Fluorescence at the Nova Scotia Department of Natural Resources. The machine used was an Innov-X X-5000 portable XRF analyzer. The XRF used a 10W tantalum anode light-element X-ray

tube with a resolution of < 165eV. The analyzer measures 25+ transition metals including selected rare earth elements with a beam that is 8mm in diameter. This list of elements scanned for is shown in **Figure 3-5** along with the data.

Analyses were carried out on the flat surface of cut slabs recovered from the production of polished thin sections. Samples from both altered and unaltered lithologies were analysed with the objective of determining whether the alteration zone displays enrichments or depletions in any trace elements that could help to constrain the model for the mineralization. Altered lithologies were analyzed to provide baseline data on the various potential protoliths for the alteration zone and these were compared with the altered lithologies to identify what trace elements may have been gained or lost during alteration.

Two points on selected altered and unaltered samples were analysed, with the exception of 18308 (stibnite sample), where only one analysis was taken. **Figure 3-5** shows the data, separated into altered and unaltered, with the country rock being divided by lithology as well.

Field 1	18303A Alteration	18303B Alteration	18305A Alteration	18305B Alteration	18307A Alteration	18307B Alteration	16205A Breccia	16205B Breccia	18407A Alteration	18407B Alteration	16202A Alteration	16202B Alteration	17301A Amphibolite	17301B Amphibolite	18308 Stibnite	18405A Quartzite	18405B Quartzite	18408A Quartzite	18408B Quartzite	17210A Schist	17210B Schist	
P	716	1293	47	1052	913	442	1371	745	495	1036	109	1844	134	825	2710	1131	2017	1850	1512	1088	2310	2641
S	233		608	1434		233	338	869			94		1820	1825	922	490	496	1455	936		1647	816
Cl			2609																			
K	4057	892	1942	2057	3792	4159	6052	8190	4086	4167	2956	5643	1839	2385	1527	10995	5150	4327	4953	34988	11973	
Ca			82					23	147	237			162756	157578	470			331	333	32809	91550	
Ti	204	70	122	113	611	997	1500	2104	892	1721	113	204	2370	2593	1143	2799	4779	690	736	4168	2796	
V	30	7	10	9	41	86	42	51	27	39	4	8	64	67	14	93	56	58	57	86	39	
Cr	2109	449	1237	1007	15	19	87	115	806	654	567	801	776	684	23	131	46	18	21	98	56	
Mn	71	34	52	34	9	15	15	23	52	281	24	28	1157	1218	206	57	55	41	19	630	725	
Fe	2870	1341	8078	884	420	608	1936	3085	754	5401	853	2317	46666	46831	8468	3914	5090	2989	1481	47352	29222	
Co	1	1	5	1	0	1	1	2	0	2	1	1	19	18	3	2	2	1	1	18	10	
Ni	176	213	935	1346			11	12	37	33	243	254	64	58	28	6	4	5				
Cu	3	4	25	17	4	3	11	291	3	26	10	24	18	101	9	44	16	1	12	21	28	
Zn	26	19	46	49			6	2			1		34	30	13	17		9	23	71	43	
As	1228	634	1623	1402	4	3	73	94	34	258	542	557			4	26	66	46	186	108	5	3
Se			1				1			1				1	2		1	1		1	0	
Rb	44	13	31	29	18	18	43	49	49	45	39	52	4	5	10	44	29	17	16	153	70	
Sr	7	5	6	7	87	159	1926	1189	11	20	7	14	289	266	85	3458	959	202	1534	217	320	
Y	0	0	2	0	13	6	19	21	29	34	1	1	18	13	15	41	43	5	9	27	24	
Zr					26	34	106	82	3	65			12	10	42	153	127	27	40	159	201	
Nb	1	0	1	0	3	3	4	6	3	5	1	1	3	1	6	5	17	3	1	17	12	
Mo					0			5		0											0	
Ag	5	5	8		20	33	4	0			6		14	10	96	18	12	12	9	4		
Cd										1				1	2			1	3	0		
Sn		1			3								7	6						6	5	
Sb	94	75	90	79	32	31	140	152	168	223	163	138	3	7	2619	57	47	8	7		2	
Ba	290	42	109	36	862	1314	343	469	88	126	53	46	27	37	3	1296	836	774	798	582	172	
La	31			0		16	10	47	3	15						78	51	7		111	17	
Ce				65	4	56			86		37	10			9	80	6	61	34	124	206	
Pr				23																		
Nd		102				258			64		67		17			243	245	109		104		
Sm	20		5	1	2	10		23		11	14	36		24		35	33	9			1	
W	20	18	15	17	0	1	25	20	27	24	36	26	12	8		10	10	3	1	2	11	
Hg	10	12	12	9	4	2	10	13	19	22	13	14	18	18		9	4	1	2	6	9	
Pb	5	1	1	2	0	2	32	62	9	11	2		3	1				0	1	8	10	21
Bi	4			5			0		2		3	0	4			21	0	0	6	3		
Th			6	0	11		78	62	0	4	13		35	19		1	58	25		93	95	
U			1	0	0	3	29	14		0						60	14	4	17	0	1	

Figure 3-5 - Elemental values in ppm for each sample. Blank spaces indicate the value was too low for the XRF to detect.

Altered Chemistry

Examination of the data on x-y plots shows some interesting chemical contrasts between the altered rocks and the potential protoliths. In most of the country rocks, Ti contents are greater than 690 ppm and range as high as 4779 ppm in one of the quartzite samples. In contrast, most of the altered samples have very low Ti contents. Only three samples contain more than 1000 ppm Ti, and two of these are the breccia samples.

Cr, Ni, As and Sb are all generally significantly elevated in the altered rocks relative to the potential protoliths. Most altered rocks contain Cr contents between 449 ppm and 2109 ppm, substantially higher than concentrations in the quartzite or schist. Interestingly, these concentrations are similar to Cr contents in the adjacent amphibolite unit. Only the alteration zone sample 18307 contains contain very low Cr contents, as do the breccia samples.

Ni in the altered samples displays a similar distribution with anomalously high concentrations in all but sample 18307 and the breccias relative to the host rocks. Unlike Cr, Ni is not significantly elevated in the amphibolite.

Arsenic and levels are high in the altered samples, with the exception of the breccias and 18307. Arsenic values range from 34ppm to 1623ppm in the altered samples (excluding 18307). Sample 18407 gives both a high and low reading, suggesting a heterogeneous distribution of the element on a sample scale.

Sb values are high in the altered samples. Values range from 31ppm to 223 ppm. Sample 18308 contains 2619ppm, but was analyzed directly on a stibnite grain. Sample 18405 contains elevated values of As and Sb (up to 66ppm and 57ppm respectively). This can be attributed to its proximity to the alteration zone, as the sample lies on the boundary between quartzite and the silica rich altered rocks. Elevated As values were also found in 18408 which is also a quartzite. This sample is 15m down Trench 4 from the alteration zone, which may explain the elevated value. Sample 18307, which is depleted in Ni, Cr, As, Sb and W relative to the other altered samples contains elevated levels of Ag, Ba and Sr comparable to the host rocks. **Figure 3-6** shows the four elevated elements plotted against titanium.

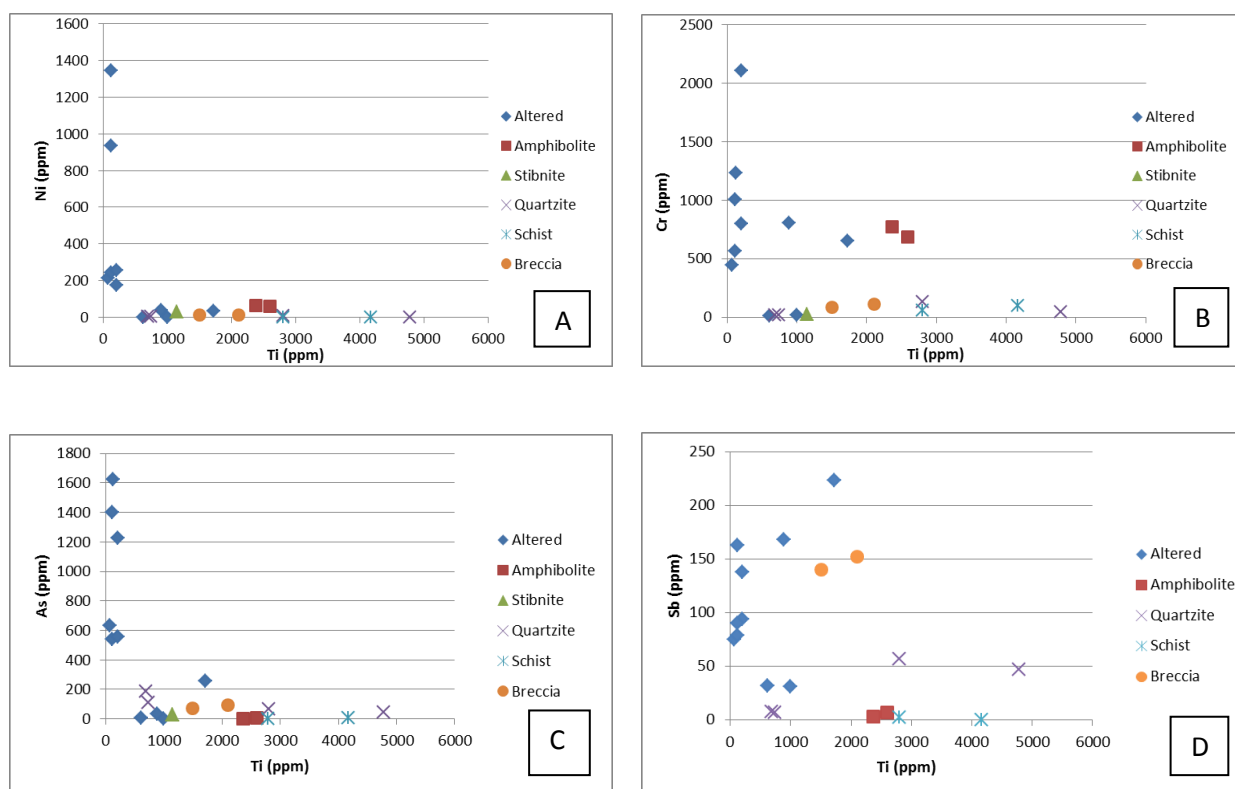


Figure 3-6 – A – Ti vs. Ni. B – Ti vs. Cr. C- Ti vs. As. D- Ti vs. Sb.

Sample 18307, which is depleted in Ni, Cr, As and Sb relative to the other altered samples contains elevated levels of Ag, Ba and Sr comparable to the host rocks.

Tungsten levels are also elevated in the altered samples (with the exception of 18307), ranging from 15 ppm to 36 ppm. The host rock values range from absent to 12 ppm. **Figure 3-7** shows the values plotted versus titanium.

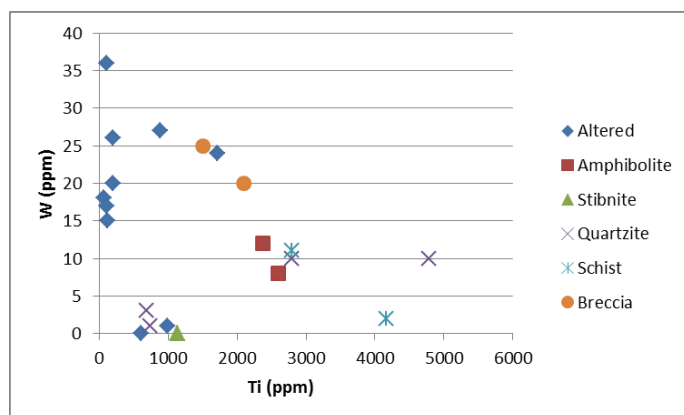


Figure 3-7 – Ti vs. W.

Electron Microprobe

The compositions of selected minerals were carried out by Electron Microprobe Analysis of polished sections. Two different elemental analyses were done:

1. Micas in the alteration zone: The green-coloured micas are characteristic of the alteration zone. Micas in five altered samples were analysed to identify their mineralogy and determine their trace element composition so as to better constrain the nature of the alteration system and the chemical changes that may have occurred during alteration;

2. Sulphides: Sulphides in the five altered samples, as well as the two stibnite polished sections, were analysed to confirm their mineralogy and to determine if there were any trace element characteristics that might be related to the alteration and mineralization. Mineral compositions were determined for a number of grains. As well, the samples were scanned for any high reflective minerals, and EDS analyses were used to attempt to identify individual grains that were not otherwise probed.

Mica Geochemistry

Eleven points were analyzed on 4 different altered samples. 16205 and 16202 are located in Trench 2, 18303 in Trench 3, and 18407 in Trench 4 (Figure x). These samples are described as altered samples, being composed of primarily quartz and mica and all share the characteristic emerald green colour. Mica grains that were chosen to probe were distributed throughout the sections, and were unweathered sufficiently enough to permit analysis. **Figure 3.8** shows the weight percent oxides of the elements within the micas.

	16202_2	16202_3	16205_1	16205_2	16205_3	16205_4	18407_2	18407_3	18303_1	18303_2	18303_3
K ₂ O	7.796	7.929	9.844	9.426	8.953	8.634	6.74	7.219	6.972	7.933	5.292
Cr ₂ O ₃	1.242	1.233	0	0	0	0	1.242	1.003	0.47	2.465	0.503
Na ₂ O	0.052	0.062	0.205	0.508	0.239	0.171	0.054	0.03	0.145	0.126	0.161
SiO ₂	52.741	53	49.196	47.62	49.884	51.884	51.667	50.541	54.261	50.465	68.386
MnO	0.005	0.023	0.032	0	0	0.007	0	0.005	0	0	0
CaO	0.051	0.194	0	0	0.009	0.164	0.417	0.144	0.357	0.101	0.052
TiO ₂	0.545	0.519	0.759	0.575	0.529	0.088	0.123	0.109	0.004	0	0.033
MgO	3.041	3.339	1.778	1.436	1.706	1.05	1.282	1.115	1.746	1.161	0.734
Al ₂ O ₃	27.619	26.511	28.678	33.532	32.882	33.548	30.896	31.005	31.359	31.469	22.243
FeO	0.9	1.327	3.593	1.226	1.406	0.96	0.881	0.672	0.094	0.104	0.02
BaO	0	0	0.222	0.603	0.085	0.083	0	0	0	0	0
As ₂ O ₅	0.009	0.785	0	0	0	0	0	0	0	0.002	0.001
NiO	0.117	0.321	0	0	0	0.013	0.017	0	0.021	0.004	0.015
Total	94.118	95.243	94.307	94.926	95.693	96.602	93.319	91.843	95.429	93.83	97.44

Figure 3-8 – table of probed mica values (weight %).

These micas are primarily composed of potassium, silica and aluminum, with minor amounts of magnesium. These micas are therefore part of the muscovite family. This presence of chromium within muscovite is characteristic of fuchsite. No chromium exists in sample 16205, with K, Ba and Fe being present in higher amounts. Impurities include small amounts of arsenic, as well as titanium. Low amounts of nickel (up to 0.321%) are present in all of the samples as well.

Fuchsite analyses taken from Tlili et al. (1988) Hutton (1940), and Devaraju and Murthy (1978) are plotted in **Figure 3-9** as chromium (x) versus aluminum (y) weight percentage.

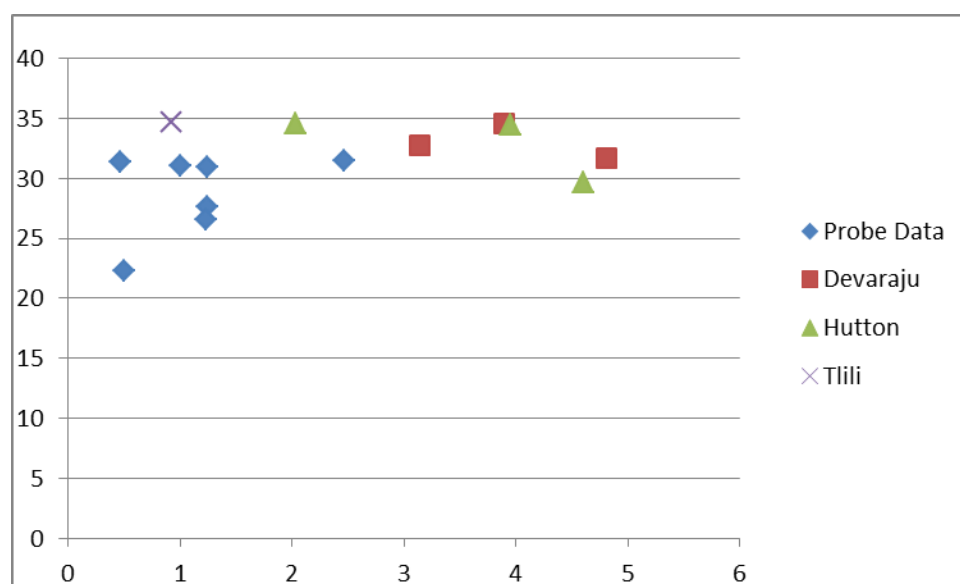


Figure 3-9 - Plot of probed Ballarat fuchsite and other fuchsite compositions, Cr_2O_3 vs Al_2O_3 .

Figure 3-9 shows that a range of near 0 to just over 5 percent chromium weight percentage.

Samples from Hutton 1940 were taken from a fuchsite bearing schist in Western Otago, New Zealand. Samples from Devaraju and Murthy 1978 were taken from a Precambrian Quartzite bed in Gattihosahalli, Chitradurga district, Karnataka, India. The fuchsite sample from Tlili et al

1988 is taken from an unknown locality in Madagascar. These samples were chosen due to their varied origins. It should be noted that the other fuchsites contain no nickel.

Figures 3-10A and 3-10B show two pictures taken with the probe showing texture of the micas.

In **Figure 3-10A** the micas can be seen in a preferred orientation, surrounded by quartz and minor sulphides. **Figure 3-10B** shows the micas with no preferred orientation.

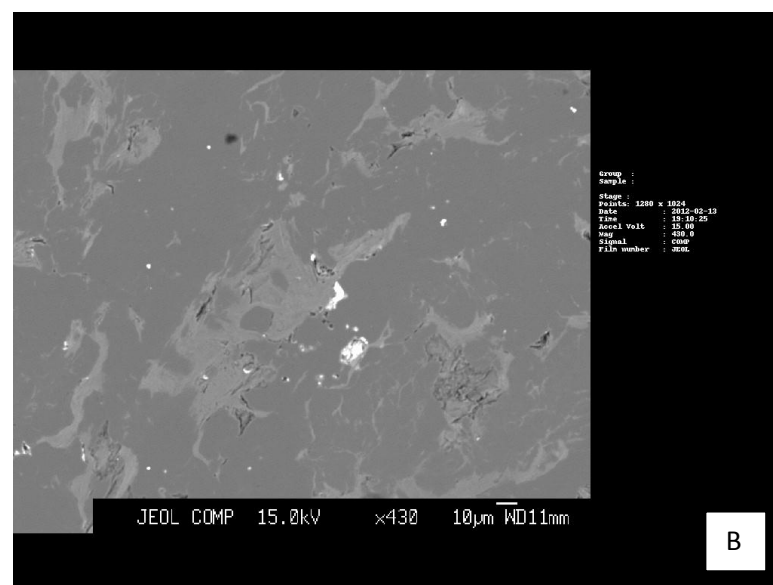
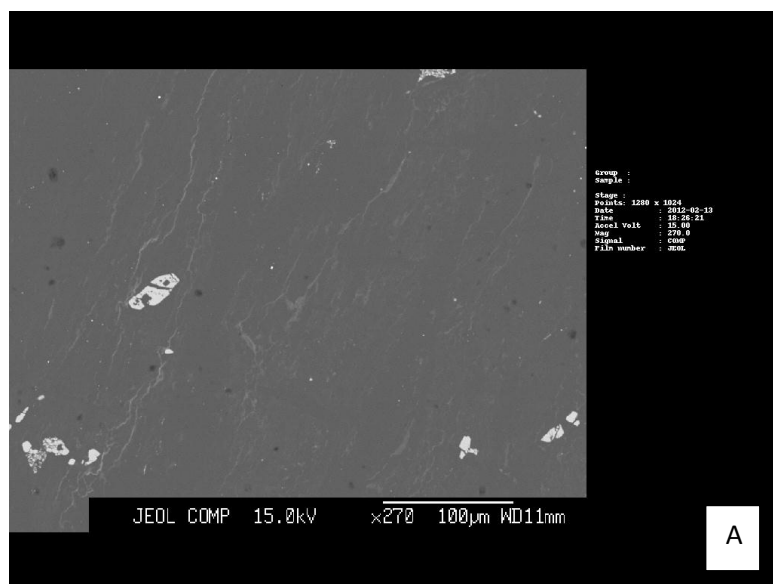


Figure 3-10A- Micas in 16102. **B-** Micas in 16202.

Stibnite

Stibnite occurs in samples 18308 A and 18308 B. **Figure 3-11** shows the weight percent compositions of the stibnites. The analysed grains appear to be relatively pure stibnite.

Antimony concentrations ranged from 69.965% to 71.338% and averaged 70.65%.

Stoichiometric Stibnite contains 71.68% Sb.

No.	38	39	40	41	43	51	52	55	56
Au	0	0	0	0	0	0	0.008	0	0
S	28.352	27.937	28.153	28.031	28.229	28.272	28.083	28.189	27.807
As	0.064	0	0.073	0.038	0.03	0.019	0	0.022	0.064
Cu	0	0	0	0	0.015	0.054	0	0	0
Pb	0.103	0.04	0.286	0.12	0.269	0.034	0.114	0.109	0.086
Ag	0.039	0.025	0.003	0	0	0	0	0.01	0
Zn	0.016	0.001	0.054	0.014	0.024	0	0	0	0.061
Bi	0	0.113	0	0	0	0.046	0	0	0.005
Sb	69.98	69.965	70.664	70.482	71.042	70.726	71.209	71.338	70.445
Ni	0.016	0.016	0	0	0.043	0	0	0.038	0.011
Mo	0	0	0	0	0	0	0	0	0
Cr	0	0	0	0	0	0	0	0	0
W	0.184	0	0.103	0	0	0	0	0	0
Zr	0.033	0.015	0	0.019	0.065	0.044	0	0.025	0.112
Ta	0	0.014	0	0.039	0	0	0.024	0	0
Fe	0	0	0	0	0	0	0.01	0	0
Total	98.787	98.126	99.336	98.743	99.717	99.195	99.448	99.731	98.591

Figure 3-11- Stibnite composition probe results (weight %).

Impurities in the stibnites are minimal, with minor amounts of lead and arsenic in most samples. Only 0.008% Au was found in one grain, the rest containing no gold. **Figure 3-12** gives the weight percentages of the probed stibnite (sulphur vs. antimony), as well as the stoichiometric value.

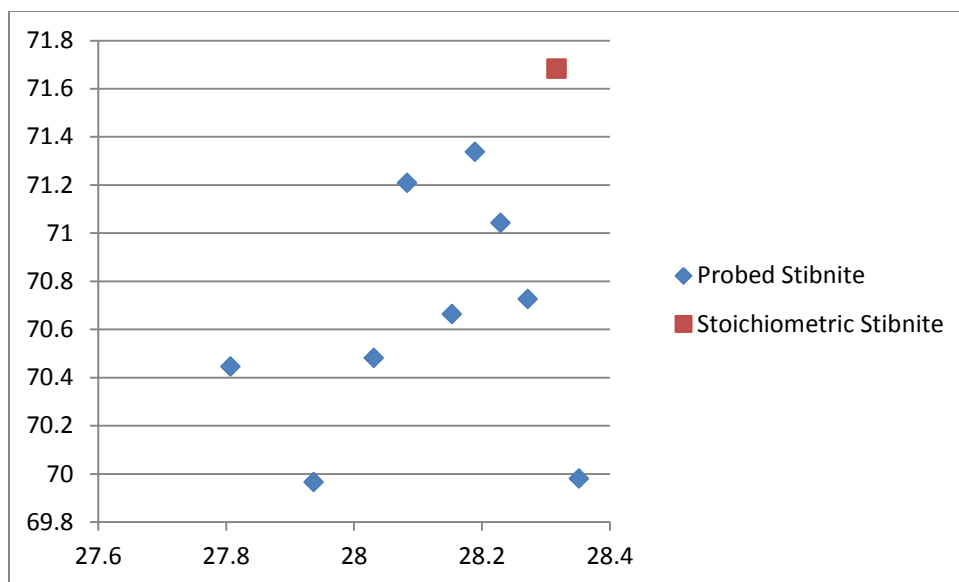


Figure 3-12- Sulfur vs. antimony (weight %).

Pyrite

Pyrite occurs in all of the samples, mostly as coarse grains. **Figure 3-13** shows the compositions of the pyrites probed.

No.	13	17	22	23	24	25	26	27	28	30	31	34	45	48	53
Au	0	0.033	0	0	0	0.007	0.07	0	0.059	0	0	0	0.005	0.016	0.011
S	53.372	53.087	53.17	52.998	53.295	53.542	54.02	53.452	53.447	52.682	52.974	52.721	53.346	52.915	53.589
As	0	0	0	0.01	0	0	0	0	0	0.004	0	0	0.031	0	0
Cu	0	0.014	0	0	0.004	0	0	0.007	0	0.08	0	0	0	0.012	0
Pb	0	0.184	0.207	0.118	0.112	0.183	0.03	0.112	0.248	0.237	0.065	0.171	0.189	0	0.266
Ag	0	0	0	0	0	0.042	0	0	0.011	0	0	0	0.004	0.015	0.015
Zn	0	0.009	0.036	0.05	0.035	0.052	0.014	0	0.035	0	0.01	0	0	0	0
Bi	0	0	0	0	0	0	0	0.021	0	0	0	0	0	0	0
Sb	0.01	0	0	0	0	0	0	0	0	0.013	0.016	0.006	0.004	0.013	0
Ni	0.343	0.174	0.246	0.087	0.243	0.36	0.201	0.371	0.31	2.41	0.545	0.12	0.344	0.132	0.116
Mo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0.023	0.066	0.025	0.028	0.106	0.114	0	0	0	0	0.038	0	0.032	0.031	0.014
Zr	0.038	0.008	0.029	0	0.043	0.027	0.071	0.157	0	0.038	0.029	0.04	0	0.035	0
Ta	0	0.074	0.093	0	0	0	0	0	0	0.106	0	0.069	0	0.094	0.044
Fe	45.797	44.997	45.807	45.32	45.606	45.997	46.269	45.584	45.396	42.324	45.164	43.032	46.23	45.725	46.42
Total	99.583	98.646	99.613	98.611	99.444	100.324	100.675	99.704	99.506	97.894	98.841	96.159	100.185	98.988	100.475

Figure 3-13 – Pyrite probe results (weight %).

Figure 3-14 shows the weight percentages of the pyrites probed (plotted in blue), with stoichiometric pyrite plotted in red. Most samples are relatively pure pyrite. Two samples have

anomalously low Fe contents; one of these contains 2.41% Ni as an impurity, which is apparently substituting for iron. The other has a low analytical total but is not otherwise unusual in composition. The principal impurity in pyrites is Ni, which typically ranges from 0.087% to 0.371%, but with one highly anomalous sample noted above. Au, As, and Sb contents are uniformly low in the pyrite.

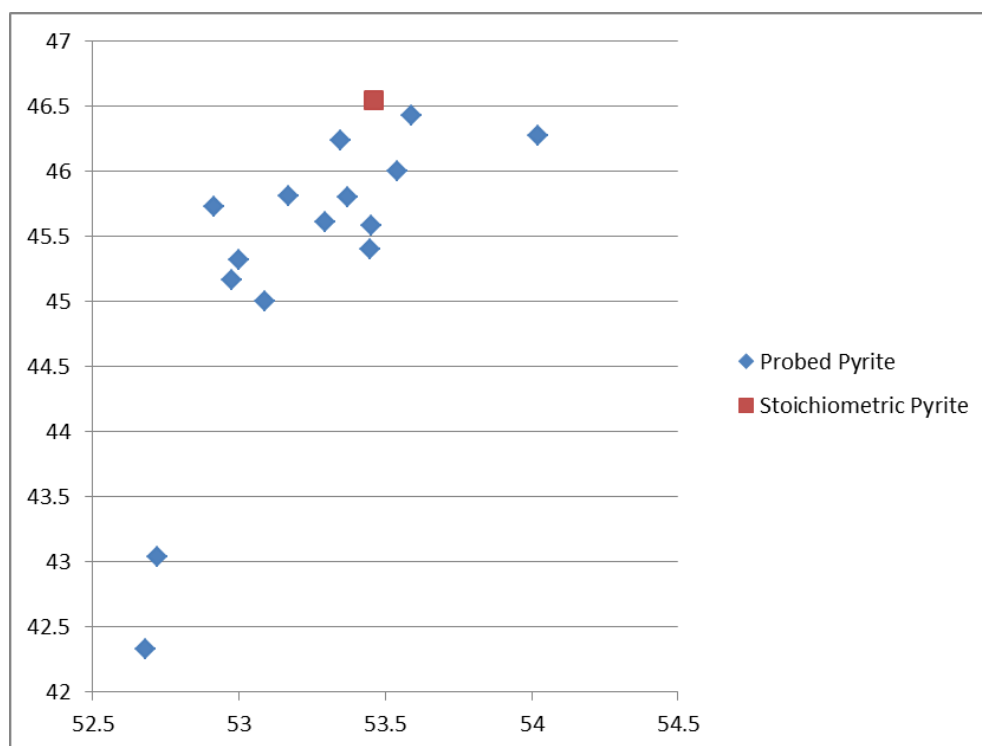


Figure 3-14- Sulphur vs. iron in probed pyrite (in weight percent).

Other Sulphides

Minor amounts of other sulphide minerals were identified in some of the samples. **Figure 3-15** shows the analysis of the other sulphides.

No.	15	19	29	33	36	44
Au	0.031	0	0.046	0.064	0.092	0
S	52.182	41.749	22.083	25.414	20.199	32.63
As	0.166	0.023	42.1	0.841	44.277	0
Cu	0.077	0.081	0	36.539	0.058	0
Pb	0.124	0.006	0	0.118	0	0.059
Ag	0.043	0	0.009	0	0.022	0.016
Zn	0.002	0	0	6.616	0.018	61.878
Bi	0	0	0	0	0.073	0
Sb	0	0	0	27.142	0	0.142
Ni	44.971	54.346	33.642	0.517	32.862	0
Mo	0	0	0	0	0	0
Cr	0	0.008	0.021	0	0	0
W	0	0.095	0	0	0	0.072
Zr	0.015	0.051	0	0	0.068	0.026
Ta	0.3	0.423	0.289	0	0.08	0
Fe	0.59	0.35	0.117	1.914	0.079	0.167
Total	98.501	97.132	98.307	99.165	97.828	94.99

Figure 3-15 – Other sulphide probe results (weight %).

Numbers 29 and 36, (which occur in 18407 and 18303 respectively) are dominated by nickel, arsenic and sulphur, with minor impurities. This suggests the mineral is a Ni-As sulphide, most likely gersdorffite. Stoichiometric gersdorffite contains 35.42% nickel, 45.22% arsenic and 19.36% sulphur. **Figure 3-16** shows Ni versus As for stoichiometric gersdorffite, as well as the probed results.

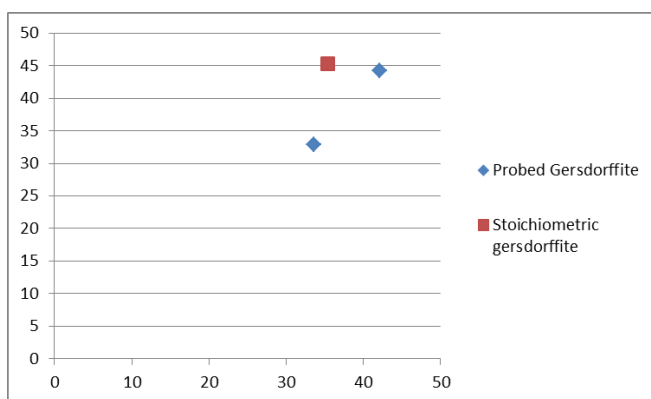


Figure 3-17 – Nickel vs. arsenic (weight %).

Number 44 contains 61.878% zinc and 32.63% sulphur, with a minor amount of iron. This sample can be interpreted to be sphalerite, which stoichiometrically (pure zinc) contains 67.093%

zinc and 32.906% sulphur. The differing values are probably attributed to the low measured total (94.99%). Sample 16102 contains nickel sulphides (numbers 15 and 19) with minor impurities of As, Fe, Ta and Pb. Number 3 is composed of copper, antimony, sulphur, and small amounts of zinc and iron. This mineral is probably tetrahedrite, which is a copper-antimony sulphide. The antimony in tetrahedrite forms a solid solution with arsenic, of which there are minor amounts of in Number 33. Tetrahedrite commonly has iron and zinc substitute for copper, which is evident in Number 33. A minor amount of nickel is also present.

Other Minerals

When the microprobe could not be used to identify a mineral, an EDS scan was used. **Figures 3-18** and **3-19** show the presence of monazite and zircon in sample 18308. These minerals occur in the quartz-stibnite veins present at the boundary of the alteration.

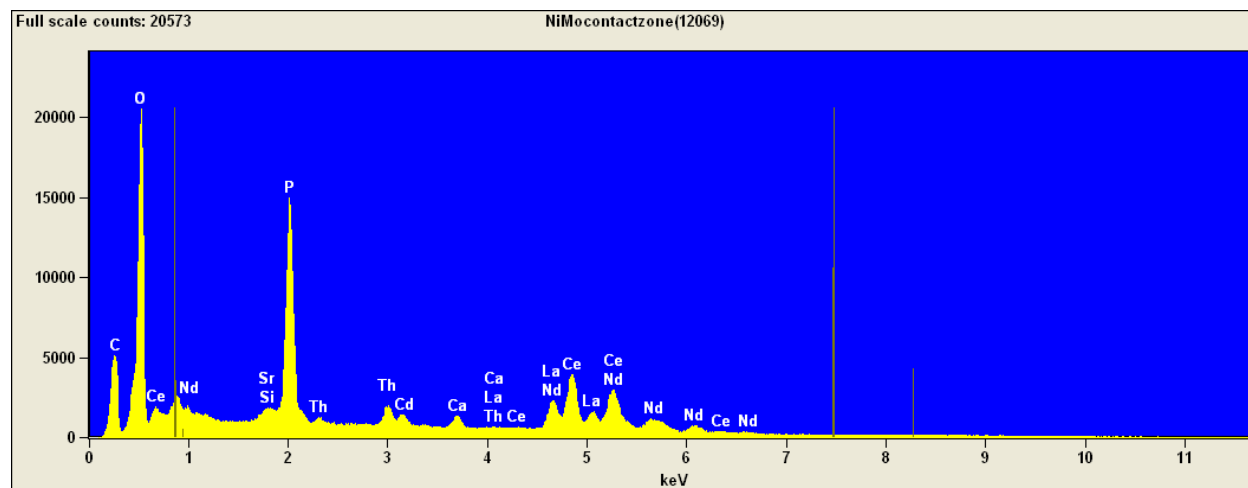


Figure 3-18 – EDS scan of monazite.

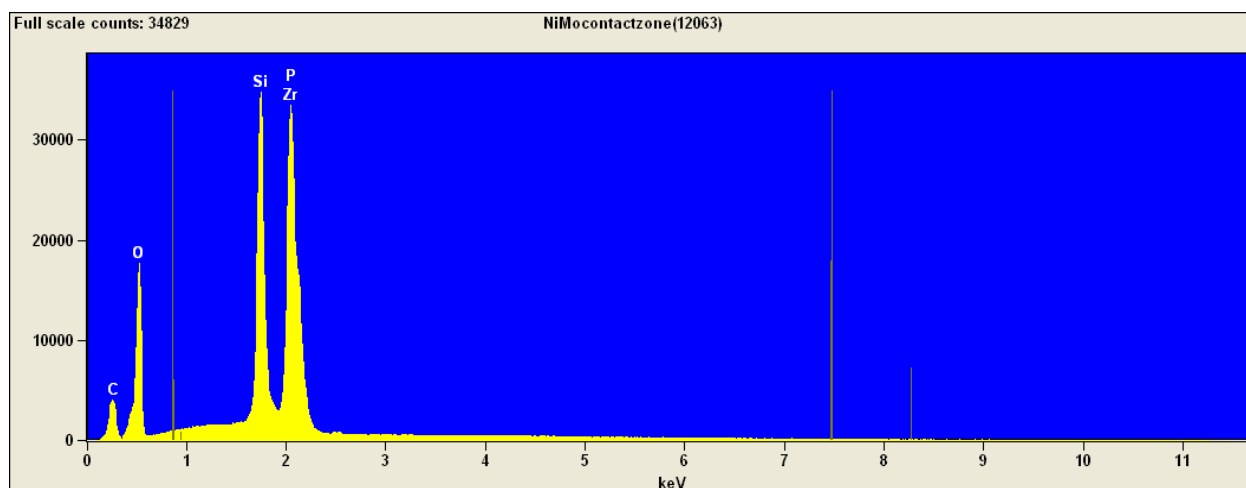


Figure 3-19 – EDS scan of zircon in sample 18308.

Barite was also present in 16202, and was scanned (see **Figure 3-20**).

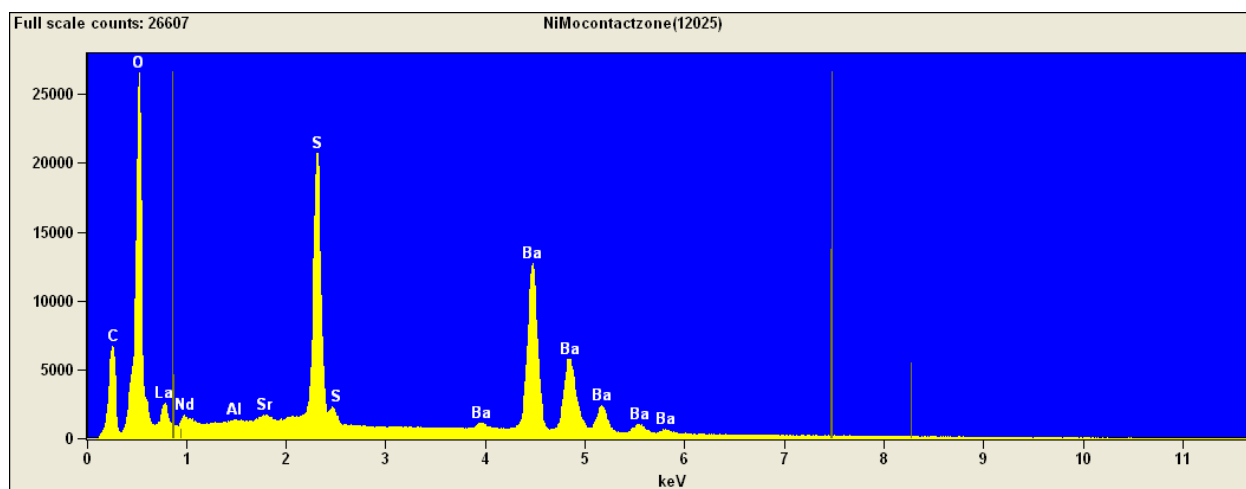


Figure 3-20 – EDS scan of Barite in sample 16202.

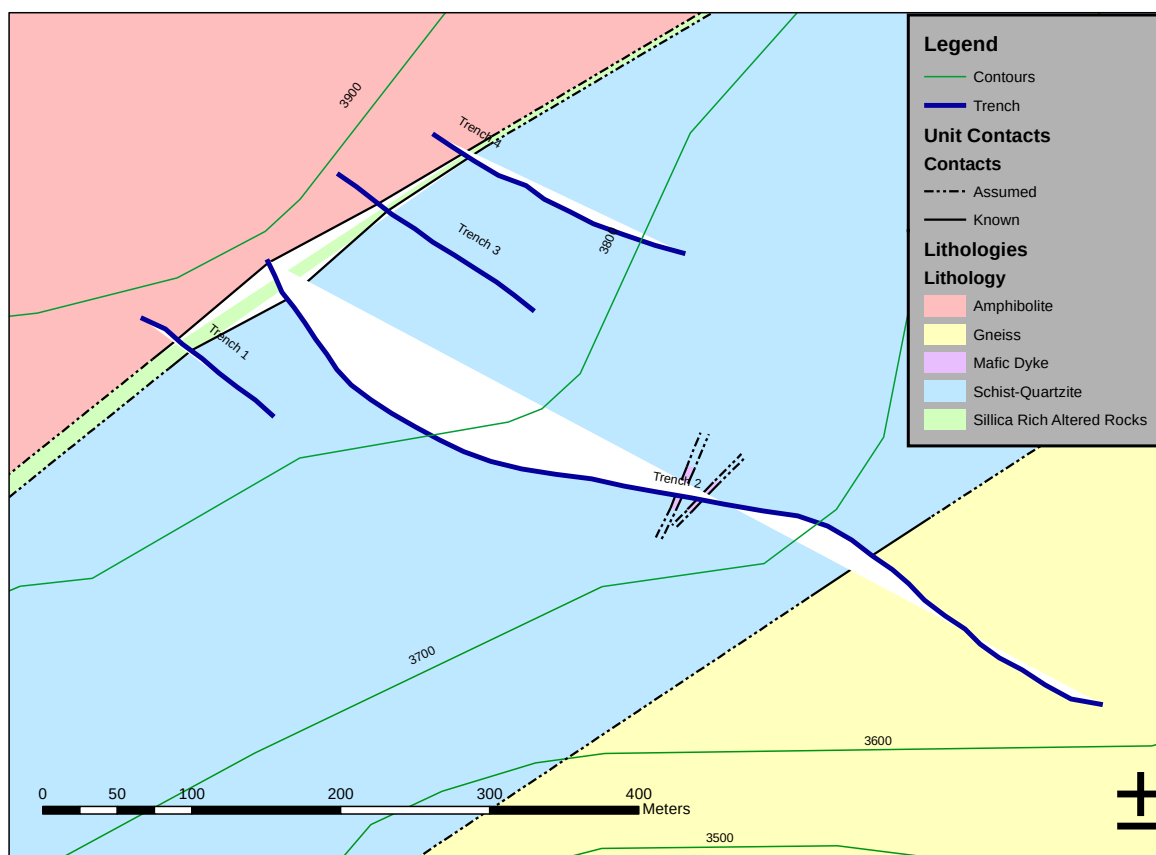
Summary

Conformation of chromium present in the micas was determined with the electron microprobe. Previously unidentifiable minerals (such as the nickel-arsenides) were also identified. Chemistry of the pyrite and stibnite was also determined. This data in conjunction with the XRF data is crucial in determining the nature of the alteration.

Chapter 4

Host Rocks

The country rocks can be divided into five distinct lithological units. Figure 4-1 shows the distribution of these units on a 1:3000 geological map.



Amphibolite – The upper most lithology of the unit. This package is composed of a hornblende rich amphibolite. The protolith was mafic, and was metamorphosed at amphibolite grade. This unit is heavily deformed, with discordant quartz veinlets common.

Schist-Quartzite- This package is defined by the appearance of schists and quartzites below the alteration zone. Compositionally, these rocks almost always contain quartz and a mica, with accessory minerals being determined by the original bulk composition. Schistosity also varies, with mica content fluctuation. Some rocks within the package contain little to no micas, and are composed of almost 100% quartz. Sulphidation is present in this package; with pyrite occurring as quartz veinlets along the foliation plane.

Gneiss- This is the lowest package in the unit. The gneiss is characterized by the 5mm-10mm gneissic banding that occurs in the rock. The bulk composition is felsic to intermediate, with the highest grade metamorphic mineral being hornblende.

Mafic Intrusions – These intrusions occur halfway down Trench 2. Lack of foliation within the rock suggests that the intrusions came after the metamorphism. In the field, these rocks were often freshly surfaced and unweathered.

The amphibolite and gneiss, though texturally different have similar bulk compositions and were both interpreted to have a mafic volcanics protolith. The pelitic, Schist-Quartzite unit would have been metamorphosed from sedimentary rocks with varying bulk compositions, shown by the range of compositions within the unit. Ryan and Gordey (2001) suggest the quartz rich layers in this unit are deformed veins, but the scale and continuity of the quartzites may suggest within the study area strongly suggest they represent metamorphosed quartzose sedimentary rocks. Overall, the geological environment suggests a volcano-sedimentary succession consisting of dominantly quartzite and pelitic sedimentary rocks with locally interbedded mafic volcanic rocks. This is consistent with previous interpretations of this part of

the Yukon Metamorphic Complex as a back arc volcano-sedimentary system that was accreted to the ancient North American continental margin. The mafic dykes that occur in Trench 2 are much fresher and at a lower metamorphic grade than the rest of the country rocks and are interpreted to represent a younger, probably post-accretion, igneous event.

Alteration Zone

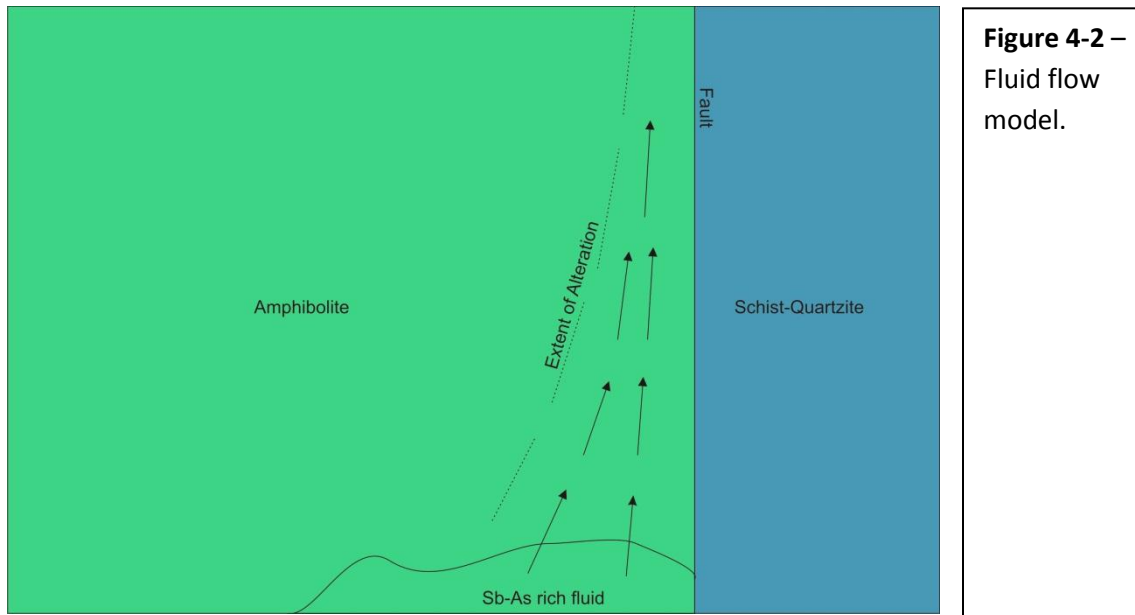
The altered rocks occur at the contact boundary between amphibolite and a schist-quartzite unit. This zone stretches across all four trenches near the trench tops. The rocks are characteristically emerald green in hand sample, often with visible pyrite grains. These altered rocks are highly silicious, and in thin section are seen to be composed mostly of quartz. The characteristic green colour of the alteration zone is imparted by an abundant green mica, which electron microprobe analyses suggest is a chromium rich muscovite, probably fuchsite. Fuchsite is a common component of gold-bearing alteration systems in ultramafic rocks where the alteration style is termed "listwanite" (Hansen et al, 2004).

The alteration zone is characterized by pyrite, along with stibnite and minor amounts of gersdorffite, tetrahedrite and other nickel sulphides). The footwall of the alteration zone has a distinctive breccia on the boundary between the alteration zone and schist-quartzite, suggesting that the zone was structurally controlled and the contact between the amphibolite and the schist-quartzite unit is a fault.

The XRF data shows that the alteration zone overall contains anomalously high amounts of antimony, chromium, nickel, arsenic and tungsten compared to the host rocks. It seems likely that these enrichments result from two different processes:

1. Chromium and nickel values within the amphibolite however are comparable to the altered samples, but much higher than in the gneiss and schist lithologies. Cr and Ni are not elevated in the breccia, nor in sample 18307. It seems likely that the anomalous amounts of Cr and Ni in most altered samples reflects the fact that the protolith for most of the alteration zone was the amphibolite. Alteration of the amphibolite stripped most elements, but the formation of the muscovitic micas provided an opportunity for the relatively immobile Cr to remain in the altered rock. This is a similar process for the listwanite model (Hansen et al, 2004) where Cr mica results from the carbonation of pyroxene and olivine, with their Cr and Ni remaining in the chromium rich mica.

2. As, Sb and W display a somewhat different distribution than Cr and Ni. These elements are all present in low concentrations in the nearby potential protoliths and so are unlikely to have resulted from static alteration of the local rocks. Although rather low in sample 183307, they are moderately to strongly enriched in the breccia. The addition of As, Sb and W to the alteration zone is therefore interpreted to be a result of the hydrothermal alteration that produced the alteration. As, Sb and W were transported in the hydrothermal fluids and precipitated in both the altered amphibolite and in the breccia, which seems to have formed in the adjacent schist-quartzite.



These observations suggest the following sequence of events leading to the formation of the alteration zone:

1. Structural disruption of the host rock sequence and juxtaposition of amphibolite and schist-quartzite along a fault boundary.
2. Circulation of hot hydrothermal fluids in the crust carrying a metal assemblage of As, Sb and W.
3. Focussing of hydrothermal fluids in the fault boundary between the amphibolite and the schist-quartzite, with attendant alteration characterized by complete replacement of the host rocks by a quartz-mica assemblage.
4. Release of Cr and Ni from alteration of mafic minerals in the amphibolite results in formation of fuchsite in the altered amphibolite.

5. Precipitation of pyrite, stibnite, tetrahedrite and gersdorffite resulting from either cooling, chemical reaction or de-pressurization of the fluids in the fault system.

Deposit Model

In terms of gold deposits, fuchsite is typically associated with listwanite deposits. Listwanite deposits occur when ultramafic rocks react with a CO₂ rich fluid. This fluid will break down ultramafic minerals like olivine and antigorite, forming carbonates such as magnesite. Common associated minerals are quartz, talc and fuchsite (Hansen, 2004). Although fuchsite is present in the alteration of the project samples, there are no other minerals from the typical listwanite assemblage. It may be because the amphibolite is mafic (as opposed to ultramafic), a different mineral assemblage than that expected from alteration of ultramafic rocks was produced. This can be attributed to the much lower values of Mg present in the amphibolite opposed to an ultramafic rock. With Cr being present in the amphibolite, it was still available to form fuchsite.

Reduced Intrusion-Related Gold System (RIRGS) deposits (Hart 2007) are common in the Tintina Gold province in the Yukon. The deposits typically occur in gold bearing quartz veins at the top of small plutons. These deposits are characterized by an Au-Bi-Te-W metal assemblage. The similar metal assemblage in the present study, and particularly the presence of W, suggests that this deposit model may be most appropriate to explain the mineralization.

Metals are typically zoned around these systems. Near-pluton mineralization contains an Au-W-As metal assemblage, and distal Ag-Pb-Zn metal assemblages. **Figure 4-3** (from Hart, 2007) shows a diagram of a possible pluton that would form a RIRGS.

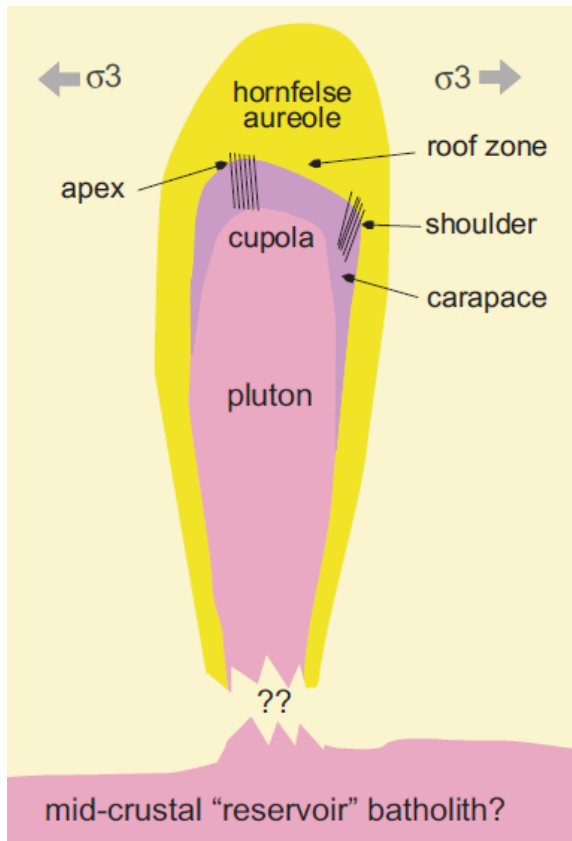


Figure 4-3- model of a RIRGS pluton (Hart, 2007).

The close association of gold mineralization to the granite pluton means that host rocks for the proximal gold deposits are usually igneous. However, depending on the scale and size of the alteration and pluton, mineralization can migrate beyond the boundaries of the pluton and occur in any country rock lithology. **Figure 4-4** (from Hart, 2007) shows a diagram of assemblage zones. The scale that these zones occur at is all dependent on the nature of the fluids from the pluton.

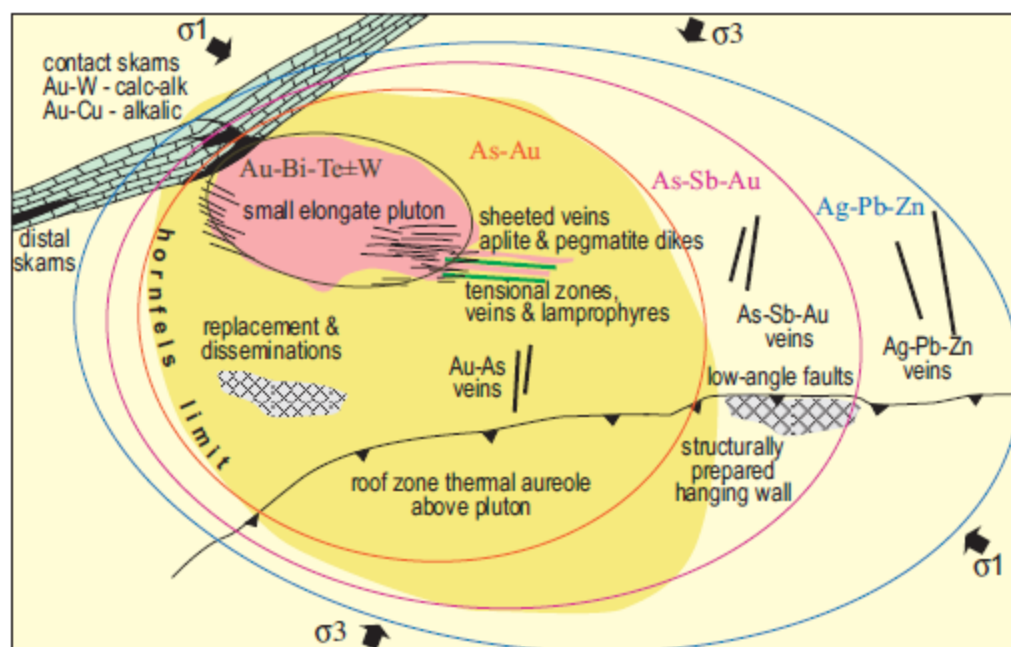


Figure 4-4-
Mineral zones
of RIRGS (Hart,
2007).

The Fort Knox RIRGS deposit in Alaska contains enrichments of W, Mo, Sb, and As, but these do not correlate with high gold values. This W-Mo-Sb-As enrichment occurs later after the gold deposition, when the system is cooler, and can be seen in the middle zone in the figure above. In the above **Figure 4-4**, the enrichments of the alteration zone can be placed in the middle zone. **Figure 4-5** from Hart, 2007 shows the deposition events through time and the temperature associated with it. These cool, late forming metal associations also occur farther away from the source.

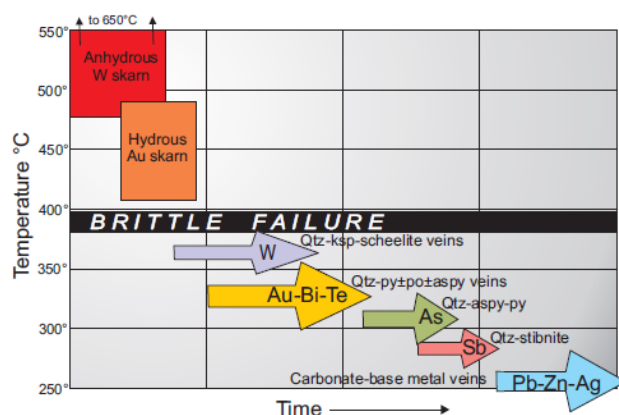


Figure 4-5 –
Cooling
process of a
RIRGS (Hart,
2007).

In the context of the present mineralization, the metal assemblage suggests that the mineralization is relatively proximal, dominated by As, Sb and W rather than base and precious metals. The presence of fuchsite and the similar amounts of Cr in the alteration zone and the altered rocks suggests that most of the alteration took place in the amphibolites, although elevated As and Sb in the breccias demonstrates that the hydrothermal fluids also reacted with the adjacent meta-sedimentary rocks. It is important to note that no gold has been identified in this alteration system. This means either that the hydrothermal system was gold-poor, or that the gold may have precipitated in a location more proximal to the pluton. Due to the absence of gold in the alteration zone, as well as the As-Sb($\pm$ W?) anomalous values, the alteration zone can be placed in the middle ring in **Figure 4-4**, similar to part of the Fort Knox deposit.

Chapter 5

Conclusions

The principal conclusions of this study are:

1. The alteration zone is characterized by the presence of Sb, As and W.
2. The altered samples are green due to chromium being present in the mica structure.
3. The altered samples are mostly altered amphibolite, with small amounts of the schist being altered as well.
4. The amphibolite and schist-quartzite boundary is bound by a fault.
5. No gold was observed in the samples.
6. This alteration zone is analogous to a typical zone found not far from a RIRGS. Future work in the area may yield golden results.

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