

2011 Surface Work

On the Burnham Property

BH 1 to 200 YE25001 to YE25200
BH 201 to 376 YE46201 to YE46376
BH 377 to 660 YE45377 to YE45660

**Dawson Mining District, Yukon
NTS Sheets 115015 (Flat Creek) & 115009 (Australia Mountain)
63°42'N. Lat., 138°18'W. Long.**

Operated by and Recorded to



**By
Mark Fekete, P.Geo.
and
Ben Dubois, B.Sc., G.I.T
January 30, 2012**

Summary

In 2011 Taku Gold Corp completed a surface exploration program on the 660-claim (13,662ha) Burnham property located at the headwaters of Australia, Melba, Rob Roy, Burnham, Arkansas, Kentucky and Jensen Creeks, some 65km southeast of Dawson City, Yukon. The work included a property wide preliminary reconnaissance ridge and spur soil geochemical survey followed by an airborne geophysical survey over the entire Property. The goal of the work was to identify potential gold-bearing structures by discovering geochemical anomalies.

Burnham was acquired by staking and is held 100% by Taku Gold Corp. The Property is not accessible by road and can only be reached by helicopter. The nearest road is the Hunker-Dominion Loop, 15 km to the west of the claims. The Property can be worked from Dawson City or from an exploration camp set up on or near the Property. A camp can be supported from Dawson City, where services are limited, or from Whitehorse where a full range of services are available including line-cutting, geophysics, drilling, assaying, aircraft charters etc.

The Property lies within the Yukon-Tanana Terrane which consists of several successions of complexly deformed Late Proterozoic to Late Permian sedimentary and volcanic rocks episodically intruded by various intrusive rocks in the Permian, Jurassic, Cretaceous, and Tertiary periods. The intrusive events have been accompanied by volcanic activity especially in the Upper Jurassic to Lower Cretaceous. The Property is underlain to the south by Devonian-Mississippian quartz-mica schist and to the north by Late Devonian to Mississippian orthogneiss.

Previous work on Burnham is limited. The Property is part of the underexplored Klondike-White Gold district of the loosely defined Tintina Gold Belt. Taku's exploration effort at Burnham is based on practical survey methods that generate drill targets and have led to discoveries in the area including Underworld's May 2009 discovery of the Saddle and Arc zones approximately 85km southwest of Burnham.

The 3,206-sample ridge and spur soil geochemical survey was done with hand augers at 50m sample intervals along predetermined GPS traverse lines. The samples returned gold values ranging from below the detection limit (i.e. <5ppb Au) to a maximum of 320.2ppb Au. Only two samples were above 60ppb Au and are considered highly anomalous. Both of these samples are located along the northwest boundary of the southeastern third of the Property and correspond to a small magnetic high.

The 1,460km airborne magnetic and radiometric data survey, flown by Precision Geosurveys Inc., outlined two distinct domains. The northern domain is marked by broad areas of moderately graduated magnetics and relatively high total radiometric counts, and corresponds to homogenous Late Devonian to Mississippian orthogneiss). The southern domain is marked by sharp, strongly contrasting, generally north trending, linear magnetic highs and lows and relatively low total radiometric counts, and corresponds to well-layered Devonian to Mississippian quartz-mica schist. The contact between these lithologies is marked by a very prominent magnetic ridge and a distinct break in the total radiometric count.

Overall the soil geochemical results were very low and rather discouraging. However, the two highly anomalous samples corresponding to a magnetic high located along the northwest boundary of the southeastern third of the Property are interesting and require further work. A detailed soil geochemical grid measuring 900m by 2,250m with sample intervals of 50m on lines spaced 100 apart is recommended to further test this area at an estimated cost of approximately \$25,000. One day of compilation and target definition followed by a one day, four man prospecting program is recommended to evaluate the contact between the orthogneiss and quartz-mica schist for potential contact skarn-type mineralization. The target definition should focus on common skarn minerals such as antimony, boron, copper, molybdenum and tungsten. The estimated cost to evaluate the contact area is \$6,000.

Finally there are large areas of the Property that show little mineral potential. It is recommended that all claims located west of 633,000 UTM mE should not be renewed and allowed to lapse.

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 Burnham 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 "2011 Surface Work on the Burnham Property, Dawson Mining District, Yukon, NTS Sheets 115O15 (Flat Creek) & 115O09 (Australia Mountain), 63°42'N. Lat., 138°18'W. Long.," based on my professional experience, a review of relevant reports and maps made available to me from government and corporate sources and my participation in the work programs described in the report;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I am an Officer and Director, and I beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Burnham property as a result of my prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-10,1 and according to Form 43-101F1.

Respectfully submitted this 30th day of January 2012,

(s) "*Mark Fekete*"

Mark Fekete, P.Geo.

Certificate of Qualifications

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

1. I obtained a Bachelor of Science Degree in Geology from Acadia University in May 2011, I am not a “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have not visited the Burnham property;
3. I co-wrote this technical report entitled “2011 Surface Work on the Burnham Property, Dawson Mining District, Yukon, NTS Sheets 115O15 (Flat Creek) & 115O09 (Australia Mountain), 63°42’N. Lat., 138°18’W. Long.,” under the supervision of Mark Fekete, P.Ge.;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I do not beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Burnham property as a result of my prior involvement with the property;
and
7. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-10,1 and according to Form 43-101F1.

Respectfully submitted this 30th day of January 2012,

(s) “*Ben Dubois*”

Ben Dubois, B.Sc., G.I.T

Table of Contents

<i>Summary</i>	<i>ii</i>
<i>Certificate of Qualifications</i>	<i>iii</i>
<i>Certificate of Qualifications</i>	<i>iv</i>
<i>Table of Contents</i>	<i>v</i>
<i>List of Figures</i>	<i>v</i>
<i>List of Tables</i>	<i>v</i>

1. Introduction and Terms of Reference	1
2. Reliance on Other Experts	1
3. Location and Property Description	1
4. Accessibility, Local Resources, Infrastructure, Physiography and Climate	4
5. Exploration History	5
6. Geology	5
7. Deposit Types	9
8. Mineralization.....	9
9. 2011 Exploration Work	9
9.1. Introduction.....	9
9.2. Sampling and Analytical Procedures	9
9.3. Data Verification.....	13
9.4. Airborne Geophysical Survey	13
9.5. Results.....	13
10. Adjacent Properties	13
11. Mineral Processing and Metallurgical Testing	15
12. Mineral Resource and Mineral Reserve Estimates	15
13. Other Relevant Data and Information	15
14. Interpretation of Results and Conclusions.....	15
15. Recommendations	15
16. References	15

Appendix A - Statement of Work Expenditures
Appendix B - Sample Locations and Descriptions
Appendix C - Analytical Certifications (Volume II)
Appendix D – Airborne Geophysical Survey (Volume III)

List of Figures

Figure 1 - General Location	2
Figure 2 - Claim Map	3
Figure 3 - Regional Geology	6
Figure 4 - Property Geology.....	8
Figure 5a - Soil Sample Locations	10
Figure 5b - Soil Sample Locations	11
Figure 5c - Soil Sample Locations	12
Figure 6 - Au Anomalies	14

List of Tables

Table 1 - List of Claims.....	1
Table 2 - Previous Assessment Work Files	5
Table 3 - MINFILE Showings.....	5

1. Introduction and Terms of Reference

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

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

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

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

2. Reliance on Other Experts

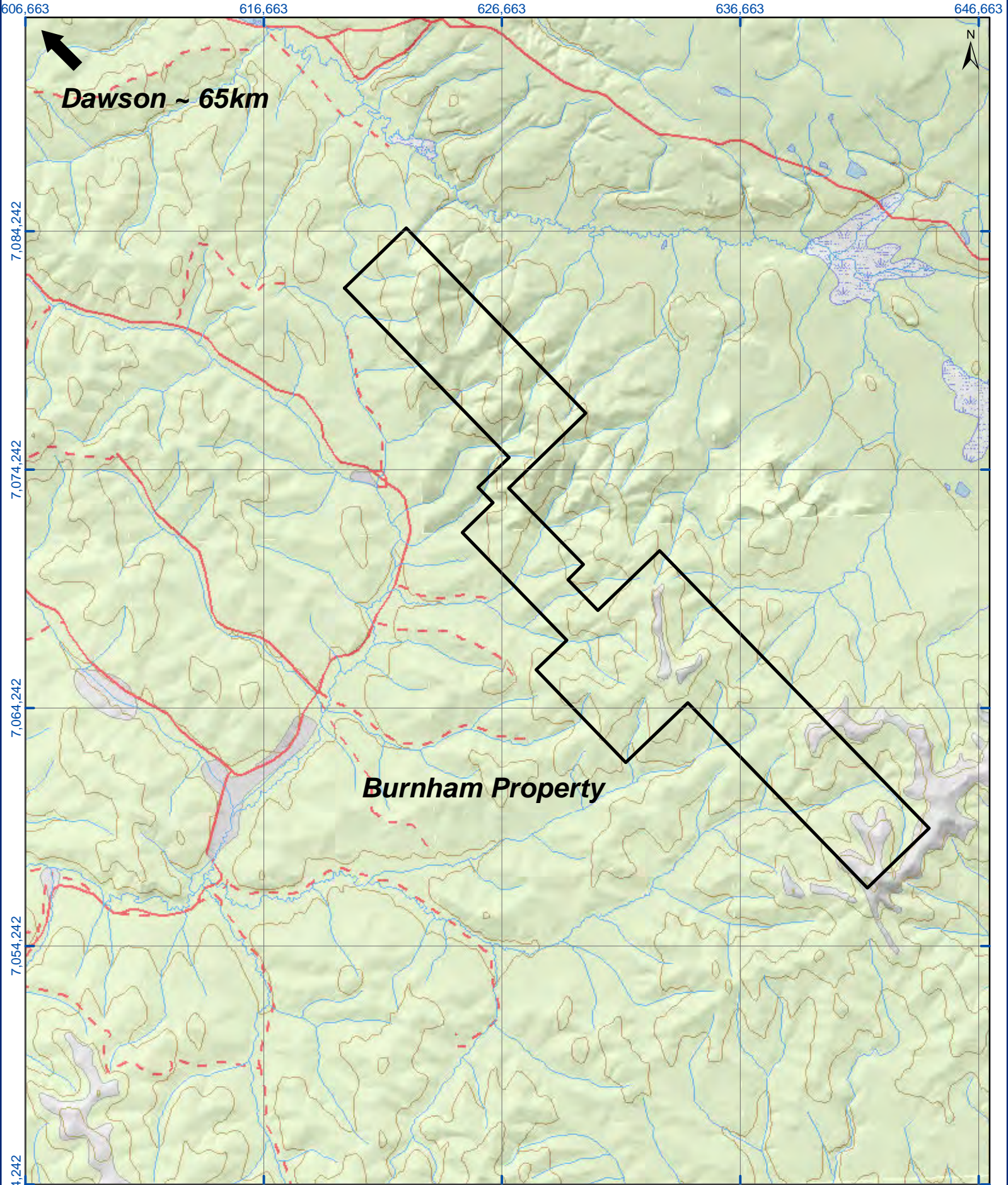
The Authors may have relied on technical data and interpretations found in various sources cited throughout the report. The Authors may not have verified this information and take no responsibility for its accuracy or completeness. Reference to the compliance or non-compliance with NI 43-101 standards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

3. Location and Property Description

The Property covers an approximate area of 13,662 hectares within the Dawson Mining Division of Yukon. It is located at the headwaters of Australia, Melba, Rob Roy, Burnham, Arkansas, Kentucky and Jensen Creeks, some 65km southeast of Dawson City (Figure 1). The approximate center of the Property is described by 63°42’00” North Latitude and 138°18’00” West Longitude on N.T.S. Sheets 115O15 & 115O09. The Property includes 660 contiguous, un-surveyed mineral titles (Figure 2) acquired by staking and more fully described in Table 1 below.

Table 1 - List of Claims

Claim Name No.	Tag No.	Expiry Date	#
BH 1 to 200	YE25001 to YE2520	10-May-12	200
BH 201 to 376	YE46201 to YE46376	10-May-12	176
BH 377 to 660	YE45377 to YE45660	10-May-12	284
		Total	660

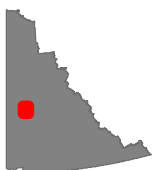
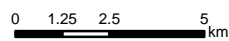


Burnham Property

Dawson ~ 65km

BURNHAM PROPERTY
Figure 1. GENERAL LOCATION

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



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

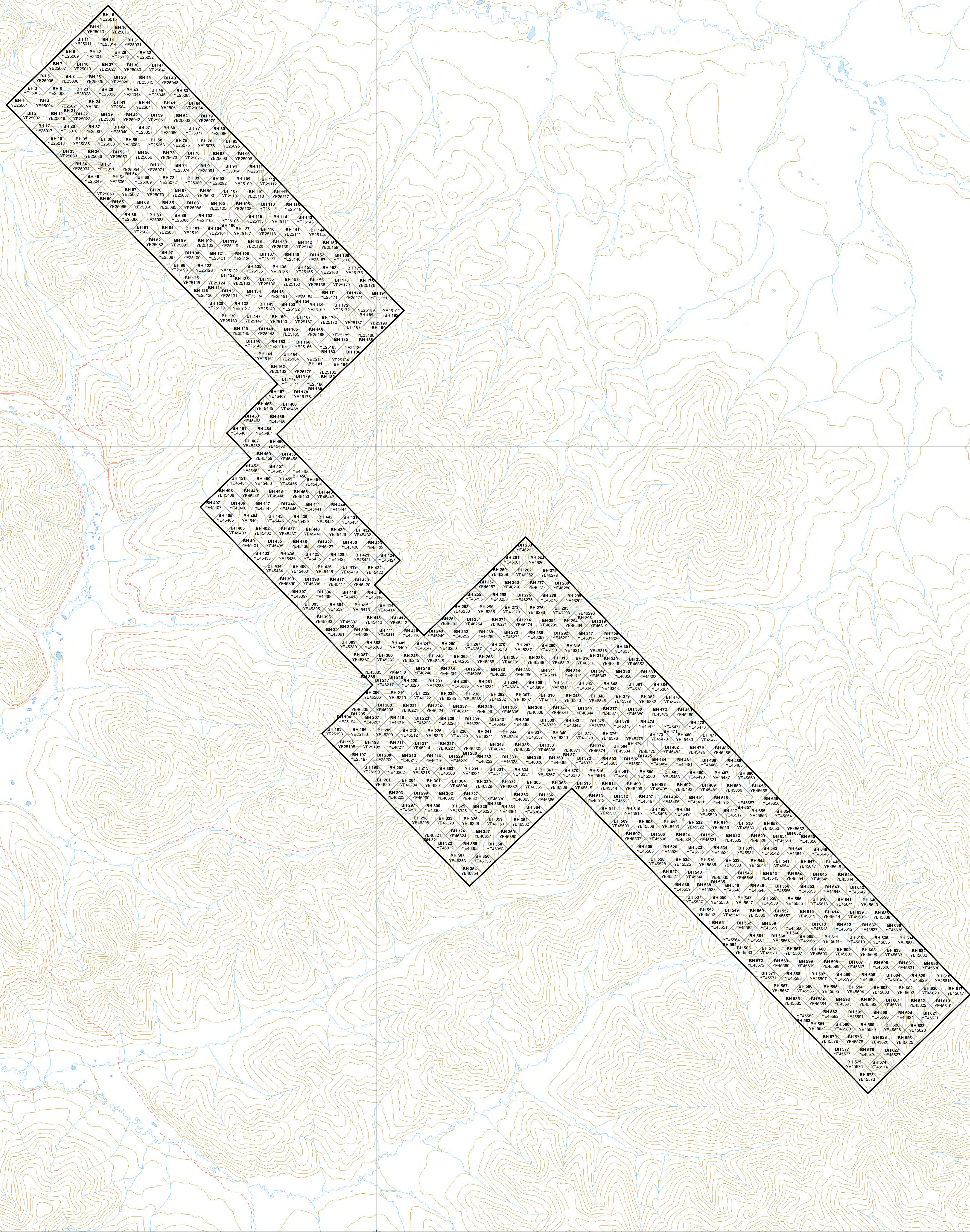


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7,073,151

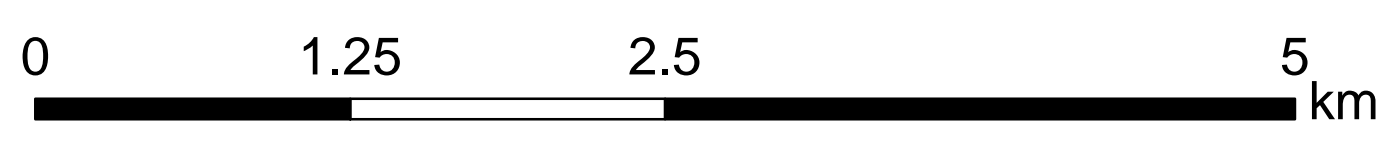
7,063,151

7,053,151

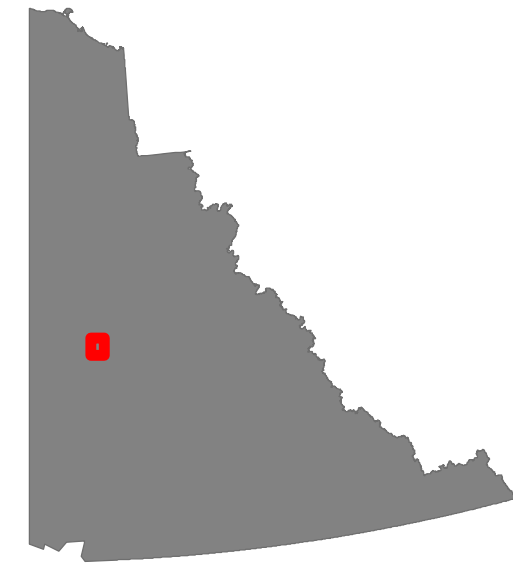


BURNHAM PROPERTY
Figure 2. CLAIM MAP

Universal Transverse Mercator Zone 7
 World Geodetic System 1984
 Scale 1:30 000



Burnham Property
 Figure 2. Claim Map
 Taku Gold Corp.
 NTS Sheet: 1150/09, 10, 15 & 16
 Date: November 1, 2011



The mineral claims included in the Property were acquired under the Yukon Quartz Mining Act which grants only the hard rock mineral rights to the claim holder. The surface rights for the area of the Property are held by the Crown. To maintain the claims in good standing, a minimum of \$100 assessment work per claim must be completed annually. There are provisions to apply for more than one year work at a time up to a maximum of five years, to apply work from one claim to other adjoining claims (grouping) up to a maximum of 750 contiguous claims and to pay cash in lieu of work up to a maximum of five years. The Quartz Mining Land Use Regulations consist of a classification system based on varying levels of specific activities. These threshold levels categorize exploration activities into four classes of operation. Classes 1 through 4 represent activities with increasing potential to cause adverse environmental impacts.

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

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

All Class 3 and Class 4 programs require submission of a detailed “Operating Plan” to the Mining Lands Office. A YESAA assessment is required. The Operating Plan must be approved before any exploration activities can be undertaken. Operating Plans may entail multi-year exploration programs to allow greater flexibility for the operator. The work described in this Report was completed as a Class 1 Program.

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

The Property is not accessible by road and can only be reached by helicopter. The nearest road is the Hunker-Dominion Loop, 15 km to the west of the claims.

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

The Property covers the headwaters of Australia, Melba, Rob Roy, Burnham, Arkansas, Kentucky and Jensen Creeks in the Dawson Range of Yukon. Unlike most parts of Yukon, the Dawson Range was not affected by the last period of continental glaciations and so it is characterized by low rolling hills incised with steep sided, V-shaped valleys. Bedrock is typically deeply weathered and there is very little (perhaps less than 5%) outcrop exposed; usually on ridges above tree-line or in rare canyons in the creek valleys. Elevations on the Property range from 640m to 1460m above sea level. Most of the Property lies below tree-line and is covered by thick brush, mostly willow, alder, alpine grasses and buck 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 following exploration history of the Property has been compiled from the Yukon Energy and Mines and Resources Library and Yukon Geological Survey MINFILE database. There has been limited exploration work on the Property. Table 2 below lists all known assessment reports that describe work done adjacent to and within the boundaries of the present Property in whole or in part.

Table 2 - Previous Assessment Work Files

Company	Year	AFR No.	Author	Work	Link
Marshall Earth Resources Inc.	1988	092531	R. Espell	Mapping, geophysics	092531.pdf
Marshall Earth Resources Inc.	1990	092938	R.A. Doherty	Trenching, sampling	092938.pdf

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

Table 3 - MINFILE Showings

MINFILE No.	MINEFILE Name	Link
115O 125	Melba	115O 125
115O 059	Pique	115O 059
115O 060	Burnham	115O 060

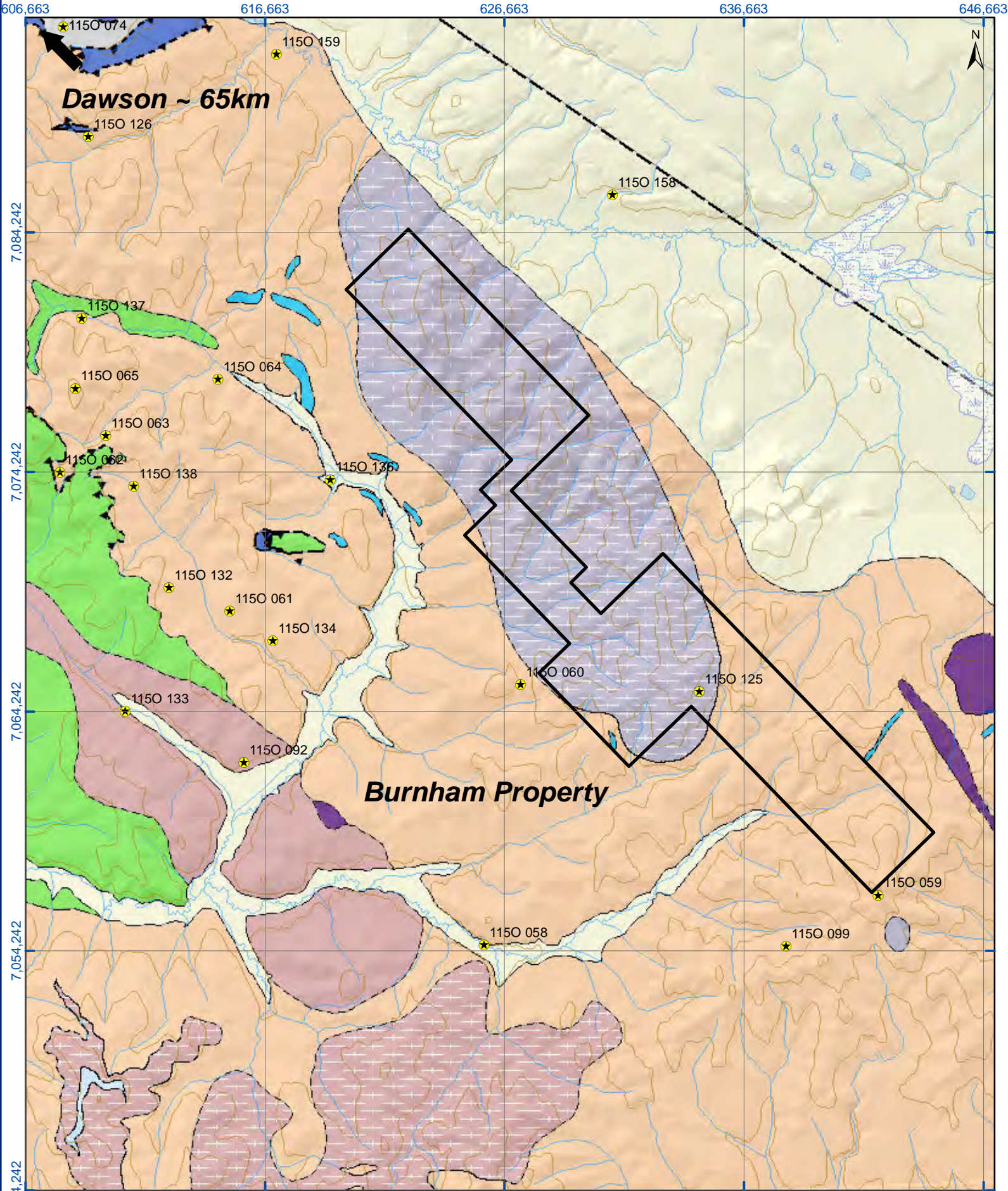
In 1988 Marshall Earth Resources attempted to identify the nature of the contact between Yukon Group schists and a granodiorite lying toward the center of the property. Northwest trending thrust faults were also searched for to assess their mineralization potential. A number of exploration programs were implemented including geological mapping, aerial photo interpretation, and ground magnetic surveys (AFR No. 092531). This work was followed up in 1990 with four blasted hand trenches. No mineralization was discovered and gold assay results from rock samples collected in the trenches were negligible (AFR No. 092938).

6. Geology

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

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

The most recent regional mapping and compilation by Ryan and Gordey (2005) the southern end of the Property (Figure 4) is underlain by Devonian to Mississippian quartz-mica schist (DMps). This unit is described primarily a meta-clastic rocks dominated by metapsammite, semipelite and metapelite. Quartz-garnet-biotite-muscovite schist is also common. Conglomerate occurs rarely. The remainder of the property to the north is underlain by orthogneiss (DMoga) of Late Devonian to Mississippian age. The orthogneiss is composed mainly of K-feldspar augen orthogneiss.



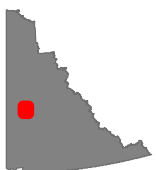
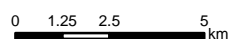
Dawson ~ 65km

Burnham Property

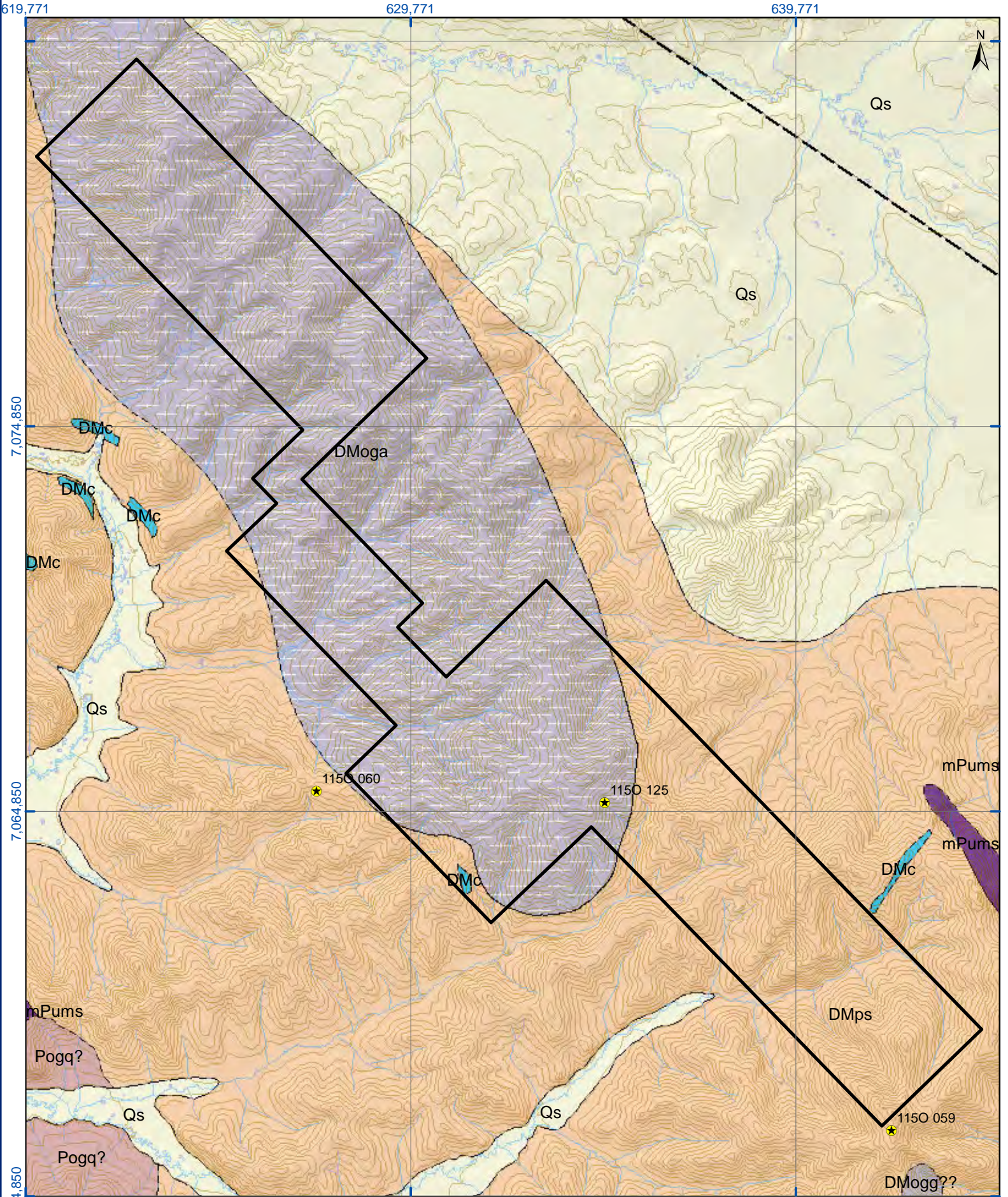
★ Mineral Occurance

BURNHAM PROPERTY
Figure 3. REGIONAL GEOLOGY

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

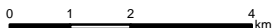


Burnham Property
 Figure 3. Regional Geology
 Taku Gold Corp.
 NTS Sheet: 1150
 Date: November 8, 2011

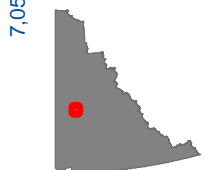


BURNHAM PROPERTY
Figure 4. PROPERTY GEOLOGY

Universal Transverse Mercator Zone 7
 World Geodetic System 1984
 Scale 1:125 000





★ Mineral Occurrence




Burnham Property
 Figure 4. Property Geology
 Taku Gold Corp.
 NTS Sheet: 1150/09, 10, 15 & 16
 Date: November 8, 2011

QUATERNARY

	Qs Fluvial silt, sand and gravel
	Qb Basalt

TERTIARY

	Ts Conglomerate, sandstone, shale
---	--------------------------------------


DEVONIAN TO MISSISSIPPIAN?

	DME Earn group
---	-------------------

TERTIARY EOCENE

	Er Porphyry
---	----------------

CRETACEOUS UPPER CRETACEOUS

	uKcV Carmacks Group
---	------------------------

MID?-CRETACEOUS

	Kg/Kgd Granite/Granodiorite
---	--------------------------------


LOWER CRETACEOUS

	IKTcg Tantalus(?) Formation
---	--------------------------------

JURASSIC EARLY JURASSIC

	EJgd Granodiorite
---	----------------------

TRIASSIC LATE TRIASSIC

	LTrum Pyroxene Mountain Body
---	---------------------------------

PALEOZOIC AND/OR MESOZOIC

	PMd Gabbro
---	---------------





CARBONIFEROUS

	CD Dawson-Clinton Creek Assemblage
---	---------------------------------------

MID(?) - TO LATE PALEOZOIC

	mPum/mPums Ultramafic-Gabbro
---	---------------------------------

PERMIAN

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

DEVONIAN TO MISSISSIPPIAN

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

SYMBOLS

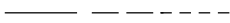

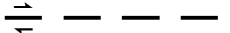
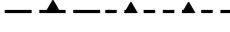
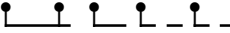

	Geological contact (defined, approximate, assumed)
	Fault, sense of movement uncertain (defined, approximate, assumed)
	Fault, transcurrent, dextral (approximate)
	Fault, thrust (teeth on upper plate) (defined, approximate, assumed)
	Fault, normal (teeth on upper plate) (defined, approximate, assumed)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

Figure 3 continued. Legend for Regional Geology

7. Deposit Types

The Property lies within an underexplored part of the loosely defined Tintina Gold Belt. This metallurgical province has past production of 29.9 million ounces and 39.3 million ounces of resources for total gold resources of 69.2 million ounces. Notable gold deposits are Donlin Creek, Ft. Knox, Pogo and Brewery Creek. The underexplored nature of the Klondike-White Gold district was highlighted by Underworld's discovery of the Saddle and Arc zones in May 2009 on the White property located 85km southwest of Burnham, and more recently by the Supreme discovery on Kaminak's Coffee property located approximately 100km south of Burnham.

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

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

8. Mineralization

Very little in-situ mineralization has been identified on the Property to date due primarily to the lack of outcrop.

9. 2011 Exploration Work

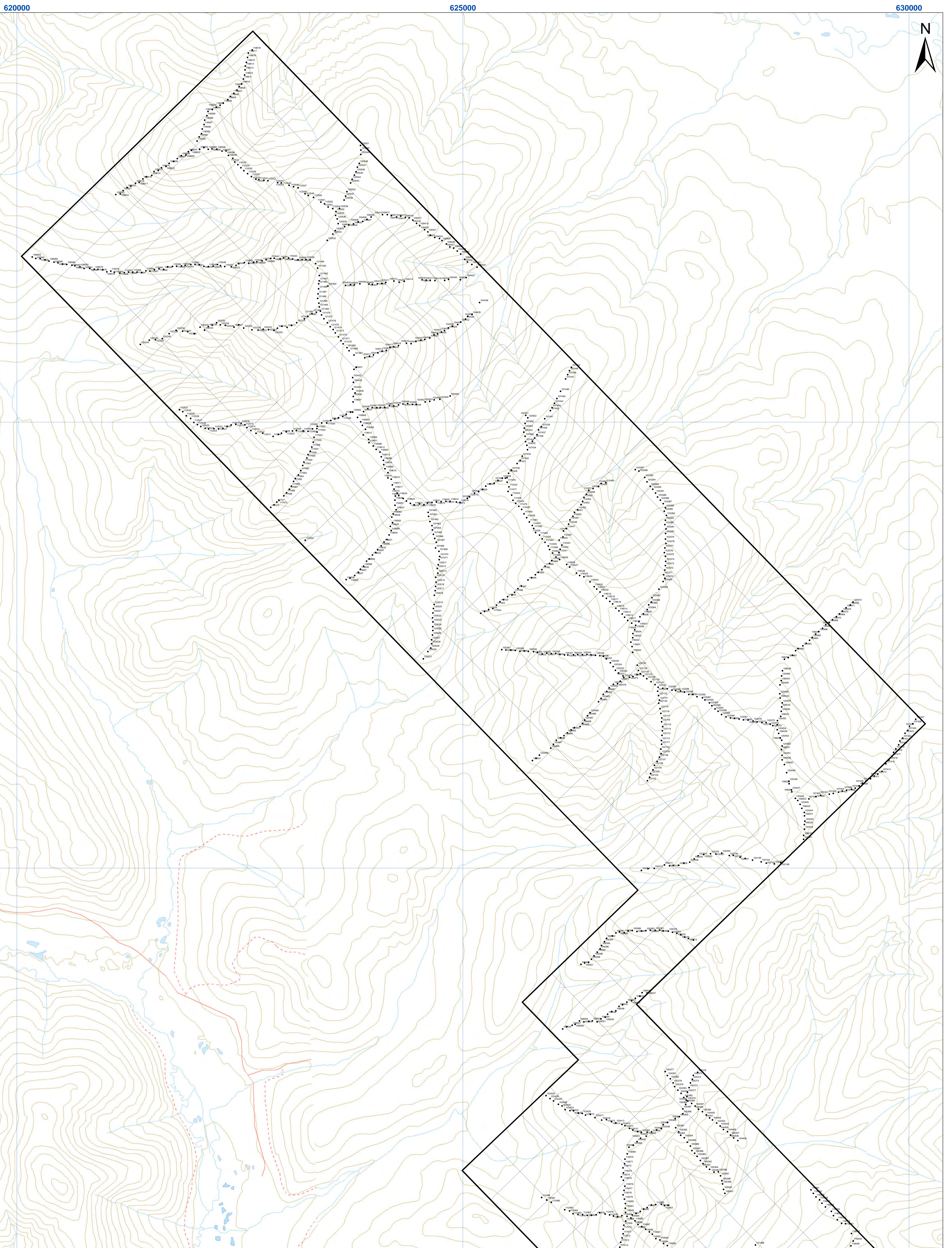
9.1. Introduction

Exploration work in 2011 was supervised by the Senior Author and included a preliminary reconnaissance ridge and spur deep-auger soil geochemical survey across the entire Property followed by a property-wide airborne geophysical survey. Field work commenced on June 20, 2011 and was completed on June 30, 2011. The analytical work was done from July 12 to August 7, 2011. The airborne geophysical survey was flown August 1, 2 and 3, 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 30, 2012.

9.2. Sampling and Analytical Procedures

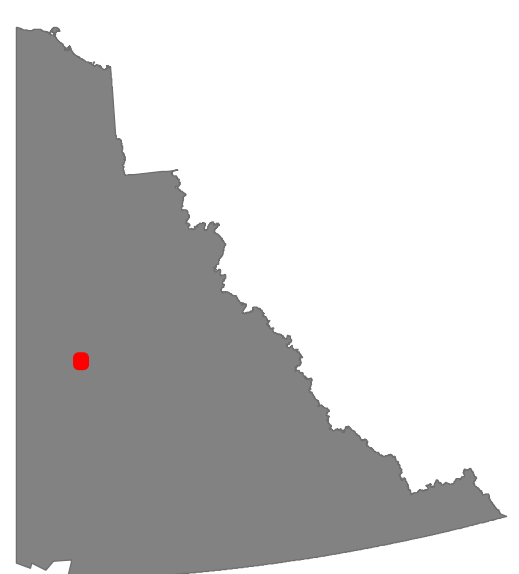
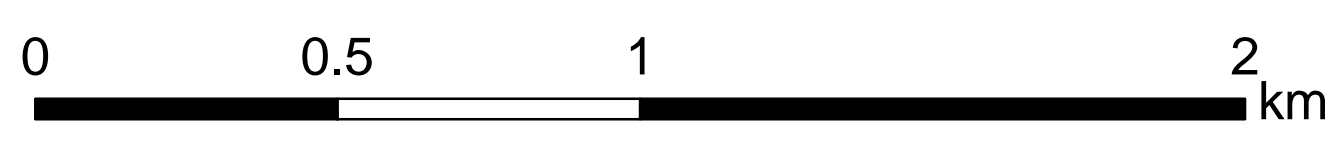
The work was done on foot by crews flown to the Property on a daily basis by helicopter from Taku's camp on Dominion Creek roughly 10km southwest of the Property. A total of 3,206 soil samples were collected with hand augers at 50m sample intervals along predetermined ridge and spur traverse lines. Sample 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 7. Sample locations (Figures 5a, 5b and 5c) 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 10 to 120cm with an average depth of 46cm. The samplers reported the ground to be very rocky and difficult to sample due to periglacial felsenmeers developed along the ridges.

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



BURNHAM PROPERTY
Figure 5a. SAMPLE LOCATIONS I

Universal Transverse Mercator Zone 7
 World Geodetic System 1984
 Scale 1:12 500

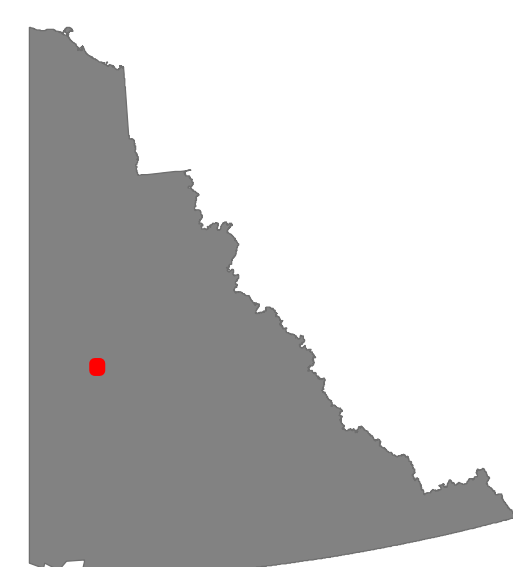
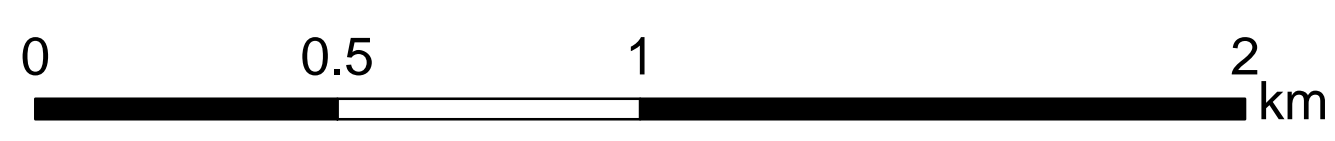


Burnham Property
 Figure 5a. Sample Locations I
 Taku Gold Corp.
 NTS Sheet: 1150/09, 10, 15 & 16
 Date: November 1, 2011

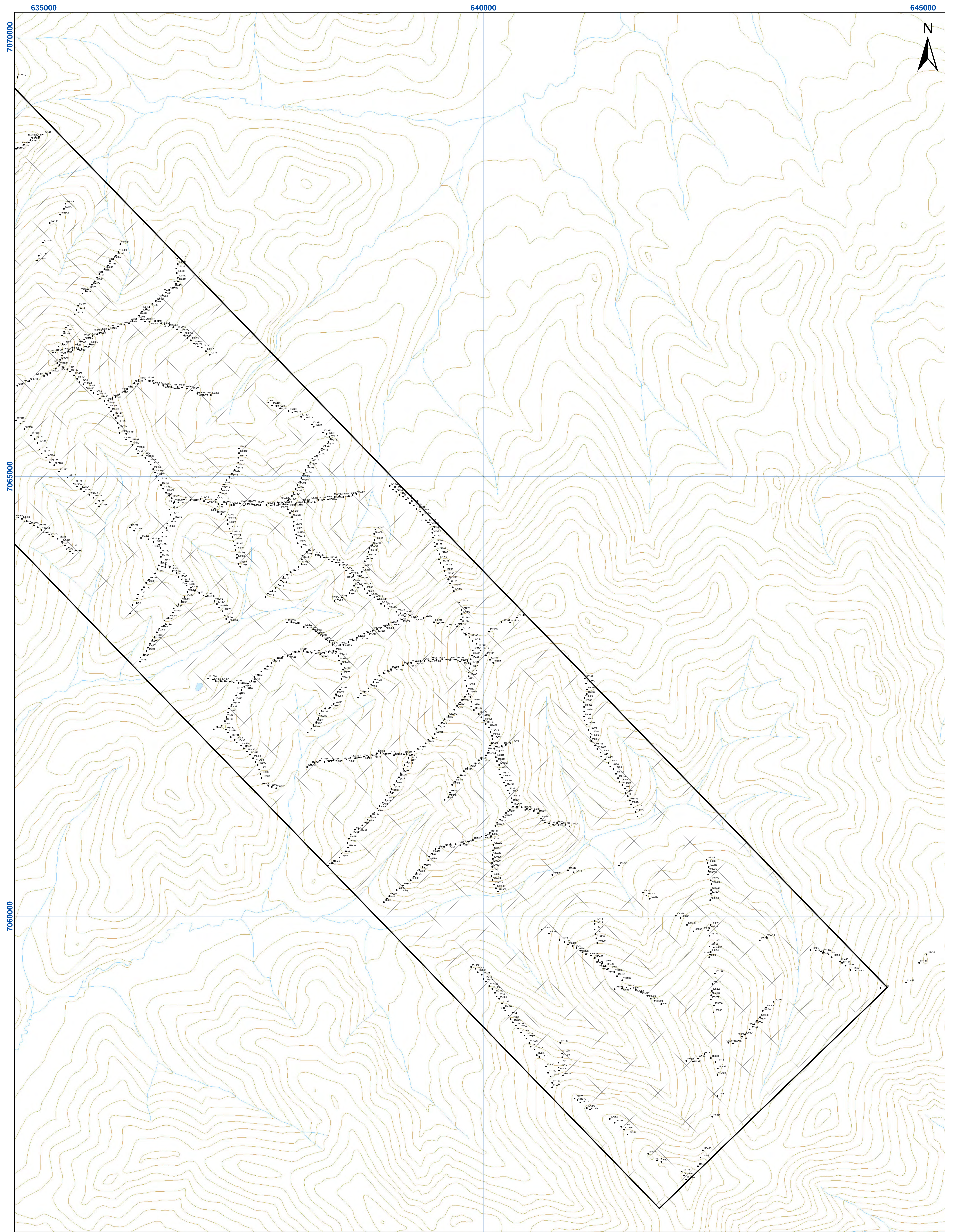


BURNHAM PROPERTY
Figure 5b. SAMPLE LOCATIONS II

Universal Transverse Mercator Zone 7
 World Geodetic System 1984
 Scale 1:12 500

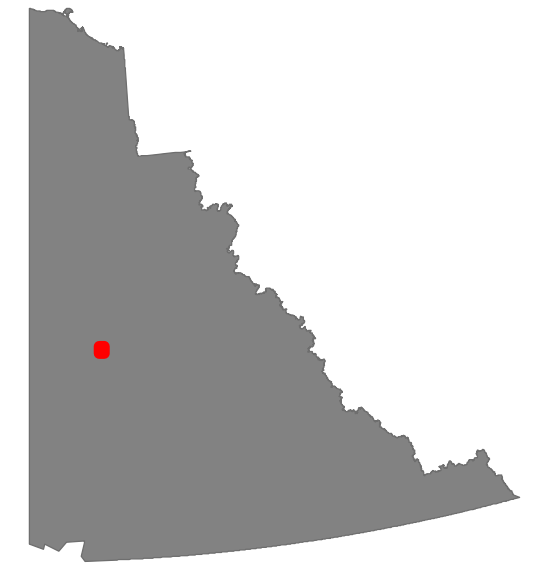
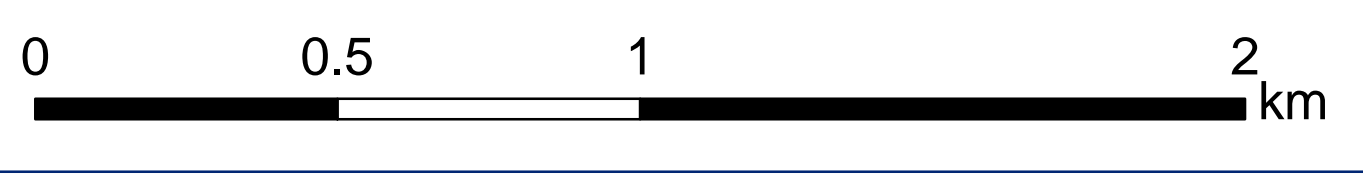


Burnham Property
 Figure 5b. Sample Locations II
 Taku Gold Corp.
 NTS Sheet: 115O/09 & 16
 Date: November 1, 2011



BURNHAM PROPERTY
Figure 5c. SAMPLE LOCATIONS III

Universal Transverse Mercator Zone 7
 World Geodetic System 1984
 Scale 1:12 500



Burnham Property
 Figure 5c. Sample Locations III
 Taku Gold Corp.
 NTS Sheet: 1150/09
 Date: November 1, 2011

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 17 discrepancies where a sample location was recorded but no analytical results were returned (Samples 104389, 108437, 109381, 115478, 116499, 117542, 117543, 117544, 117545, 117546, 117547, 117548, 117549, 117550, 117551, 117552 and 117553). These samples were either lost or not collected in the field and accordingly were excluded from the data base.

9.4. Airborne Geophysical Survey

The multi-sensor airborne geophysical survey was completed by Precision Geosurveys Inc. of Vancouver, British Columbia with a helicopter flying grid lines at 100 meter line spacing. A total of 1,460 line kilometers of data were collected over the entire Property. A high resolution magnetometer system was used to assist in interpreting bedrock units, structure, and alteration. A radiometric system consisting of a multichannel spectrometer with state-of-the-art design and large gamma ray sensing crystals was used to map lithologies and alteration. A full description and data CD of the airborne geophysical survey is included herein as Appendix D, Volume III.

9.5. Results

The soil geochemical survey returned gold values from below detection limit (i.e. <5ppb Au) up to a maximum of 320.2ppb Au. Only 26 samples were above 10ppb Au which, based on Taku's regional soil database, is considered the anomalous threshold value for gold. Only two samples were above 60ppb Au and are considered highly anomalous. Both of these samples are located along the northwest boundary of the southeastern third of the Property (Figure 6).

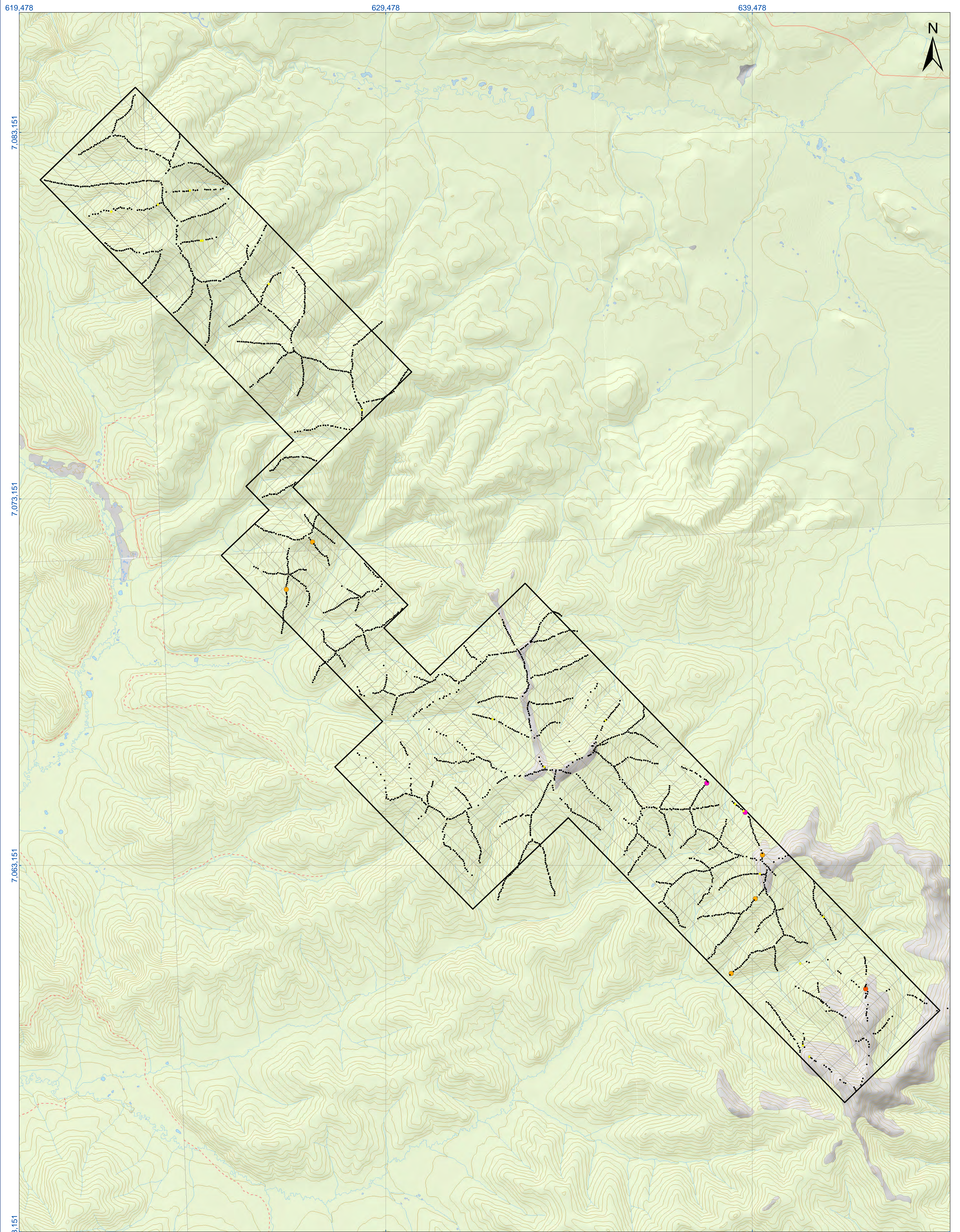
The airborne magnetic and radiometric data clearly marks two distinct domains (Volume III, Appendix D, Figure 14 and 15). The northern domain is marked by broad areas of moderately graduated magnetics and relatively high total radiometric counts. The southern domain is marked by sharp, strongly contrasting, generally north trending, linear magnetic highs and lows and relatively low total radiometric counts. These patterns are consistent with the most regional mapping over the property (Ryan and Gordey, 2005) which indicates that the northern domain is underlain by a homogenous Late Devonian to Mississippian orthogneiss (DMoga) and that the southern domain is underlain by well layered Devonian to Mississippian quartz-mica schist (DMps). The contact between these lithologies is marked by a very prominent magnetic ridge and a distinct break in the total count radiometric data.

The two highly anomalous gold values mentioned above correspond to a small magnetic high located along the northwest boundary of the southeastern third of the Property.

10. Adjacent Properties

No lode gold deposits are known to exist on the properties immediately adjacent to the Property. Significant gold mineralization has been reported approximately 85km southwest of Burnham at Kinross's White Gold deposit with a current resource estimation at the Golden Saddle zone of 1,004,570 indicated ounces at 3.2gpt Au and 407,413 inferred ounces at 2.5gpt Au; and at the Arc Zone of 170,470 inferred ounces at 1.2gpt Au (Underworld Press Release - January 19, 2010). Kaminak's discovery hole of 15.5m over 17.1gpt Au at the Supreme zone (Kaminak Press Release - May 26, 2010) is located approximately 100km south of Burnham.

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 Burnham property.** However, this information does indicate that the White Gold district is an underexplored area that has solid potential for hosting significant gold deposits.



619,478
7,083,151
7,073,151
7,063,151
7,053,151

629,478

639,478

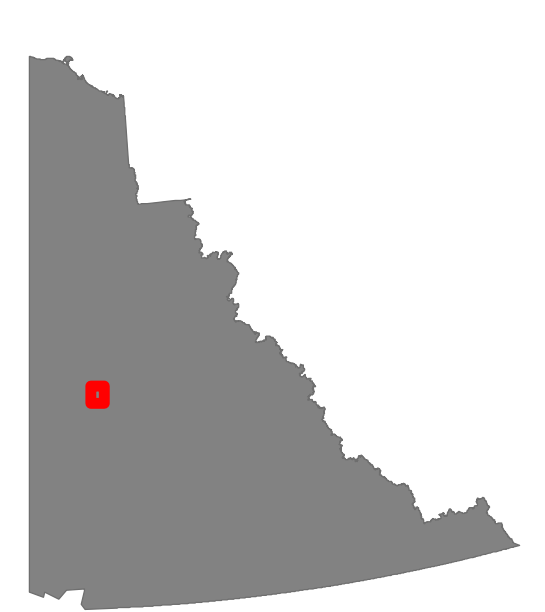
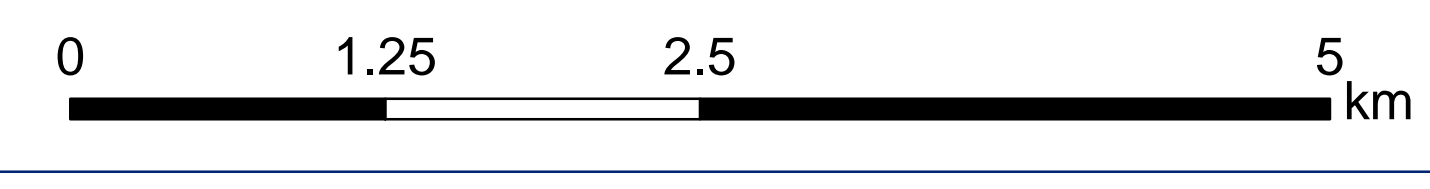


Soil Au ppb

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

BURNHAM PROPERTY
Figure 6. DETAILED GOLD ANOMOLY MAP

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:30 000



Burnham Property
Figure 6. Detailed Gold Anomaly Map
Taku Gold Corp.
NTS Sheet: 1150/09, 10, 15 & 16
Date: November 1, 2011

11. Mineral Processing and Metallurgical Testing

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

12. Mineral Resource and Mineral Reserve Estimates

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

Overall the soil geochemical results were very low and rather discouraging. However there are two highly anomalous gold results that correspond to a magnetic high located along the northwest boundary of the southeastern third of the Property. A detailed soil geochemical grid should be undertaken in this area to further investigate these high gold responses.

The contact between Late Devonian to Mississippian orthogneiss and the well layered Devonian to Mississippian quartz-mica schist is very well defined by a very prominent magnetic ridge and a distinct break in the total radiometric count. This contact may hold potential for contact skarn-type mineralization and should be further evaluated with this model in mind.

15. Recommendations

The 2011 exploration on Burnham identified at least two targets for further exploration. A detailed soil geochemical grid measuring 900m by 2,250m with sample intervals of 50m on lines spaced 100 apart is recommended to further test the area where two highly anomalous gold results were found in 2011. This will involve 500 samples at an estimated cost of approximately \$25,000. One day of compilation and target definition followed by a one day, four man prospecting program is recommended to evaluate the contact between the orthogneiss and quartz-mica schist for potential contact skarn-type mineralization. The target definition should focus on common skarn minerals such as antimony, boron, copper, molybdenum and tungsten. The estimated cost to evaluate the contact area is \$6,000.

Finally there are large areas of the Property that show little mineral potential. It is recommended that all claims located west of 633,000 UTM mE should not be renewed and allowed to lapse.

16. References

Gordey, S.P. and Ryan, J.J., 2005

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

Mortensen, J.K., 1996

Geological compilation maps of the northern Stewart River map area, Klondike and Sixtymile Districts (115N/15, 16; 115O/13, 14; and parts of 115O/15, 16). Exploration and Geological Services Division, Yukon region, Indian and Northern Affairs Canada, Open File 1996-1 (G).

Appendix A - Statement of Work Expenditures

I, _____,
TAKU GOLD CORP.

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

Phone 819 874-8182

make oath and say that:

Office Date Stamp

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- 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 of claims to see where work was done by claim name and tag number.

situated at Burnham Mountain Claim sheet No. 1150 09 & 15

in the Dawson Mining District, to the value of at least \$251,284.57 dollars,

since the 10th day of May 20 11 ,

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

Renew three years to May 10, 2015

BH 193 to BH 384 and BH 469 to BH 660

See attached schedule of claims to see which claims to renew by claim name and tag number.

(DO NOT RENEW BH 1 TO BH 192 & BH 385 TO 468)

- 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).

3206-sample soil geochemical survey completed from June 20 to 30, 2011, analysis from July 12 to August 7, 2011, data

compilation and report up to January 30, 2012. Cost = \$160,702.57

1460-km airborne magnetic and radiometric survey completed August 1,2 and 3, 2011. Cost = \$90,582.00

See attached detailed Statement of Costs

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

Notary Public Owner or Authorized Agent

Claim List for Cert of Work 2011 Burnham

Type	Claim Information				Soil Geochem Survey	Airborne Geophysics	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date			Years	Annual Fee	Total
Quartz	YE45626	BH	626	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45627	BH	627	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45628	BH	628	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45629	BH	629	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45630	BH	630	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45631	BH	631	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45632	BH	632	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45633	BH	633	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45634	BH	634	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45635	BH	635	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45636	BH	636	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45637	BH	637	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45638	BH	638	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45639	BH	639	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45640	BH	640	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45641	BH	641	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45642	BH	642	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45643	BH	643	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45644	BH	644	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45645	BH	645	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45646	BH	646	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45647	BH	647	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45648	BH	648	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45649	BH	649	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45650	BH	650	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45651	BH	651	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45652	BH	652	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45653	BH	653	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45654	BH	654	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45655	BH	655	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45656	BH	656	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45657	BH	657	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45658	BH	658	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45659	BH	659	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
Quartz	YE45660	BH	660	10/05/2012	\$ 243.49	\$ 137.25	3	\$ 5.00	\$ 15.00
				Column Total	\$ 160,702.57	\$ 90,582.00			\$ 5,760.00
				Check	\$ (0.00)	\$ 0.00			\$ 1,875.00

Burnham GEOC 2011 (2)

Supplier	Invoice	Date	Project	Geochem							Total	
				Lbr/Contct	F&L	Supplies	Trans	Rental	Report	Assay		Other
Name	Ref No.	Date	Project	5150	5151	5152	5153	5154	5155	5156	5157	Total
Bonanza Market	14501	9-Jun-11	Burnham		1326.24							1,326.24
Bonanza Market	14517	10-Jun-11	Burnham		9.84							9.84
Bonanza Market	14532	10-Jun-11	Burnham		3.30							3.30
Bonanza Market	14693	10-Jun-11	Burnham		22.06							22.06
Bonanza Market	16/06/2011	16-Jun-11	Burnham		3012.67							3,012.67
Bonanza Market	01/07/2011	1-Jul-11	Burnham		1135.08							1,135.08
Bonanza Market	Stmt 01/08/2011	1-Aug-11	Burnham		1,590.64							1,590.64
Bonanza Market	Stmt 01/09/2011	1-Sep-11	Burnham		1,037.61							1,037.61
Bonanza Market	Stmt 16/08/2011	16-Aug-11	Burnham		928.88							928.88
Bonanza Market	Stmnt 19-Jul-11	19-Jul-11	Burnham		1518.16							1,518.16
BXM	698	20-Sep-11	Burnham					80.22				80.22
BXM	698	20-Sep-11	Burnham			753.73						753.73
BXM	698	20-Sep-11	Burnham		1,954.75							1,954.75
BXM	698	20-Sep-11	Burnham				5,547.99					5,547.99
BXM	698	20-Sep-11	Burnham	8325.71								8,325.71
BXM	726	31-Oct-11	Burnham	1275.00	150.00							1,425.00
Dawson Hardware	31/05/2011	31-May-11	Burnham			827.31						827.31
Dawson Hardware	Stmt 31/07/2011	31-Jul-11	Burnham			156.12						156.12
Dawson Hardware	Stmt 31/08/2011	31-Aug-11	Burnham			284.62						284.62
EIS	0000119840	8-Aug-11	Burnham					465.92				465.92
Greg Davison		30-May-11	Burnham		575.28	336.86	1,918.20				80.32	2,910.66
Greg Davison		30-Jun-11	Burnham		59.19	171.41	4,247.15				53.76	4,531.51
Heli Dynamics	11887	24-Aug-11	Burnham				1,382.45					1,382.45
Heli Dynamics	11897	31-Aug-11	Burnham				597.82					597.82
Heli-Dynamics	10123	20-Jun-11	Burnham				3510.00					3,510.00
Heli-Dynamics	10124	21-Jun-11	Burnham				3915.00					3,915.00
Heli-Dynamics	10125	22-Jun-11	Burnham				3645.00					3,645.00
Heli-Dynamics	11029	24-Jun-11	Burnham				4995.00					4,995.00
Heli-Dynamics	11030	25-Jun-11	Burnham				4050.00					4,050.00
Heli-Dynamics	11031	26-Jun-11	Burnham				4320.00					4,320.00
Heli-Dynamics	11032	27-Jun-11	Burnham				2295.00					2,295.00
Heli-Dynamics	11033	27-Jun-11	Burnham				2025.00					2,025.00
Heli-Dynamics	11034	28-Jun-11	Burnham				2025.00					2,025.00
Heli-Dynamics	11035	28-Jun-11	Burnham				1350.00					1,350.00
Heli-Dynamics	11036	29-Jun-11	Burnham				2835.00					2,835.00
Heli-Dynamics	11037	30-Jun-11	Burnham				810.00					810.00
Heli-Dynamics	Fuel-1000	6-Jul-11	Burnham				2986.86					2,986.86
Jacobs Industries	68657	5-May-11	Burnham					84.21				84.21
Kluane Freight Lines	155087	8-Jul-11	Burnham				5.97					5.97
Kluane Freight Lines	156242	28-Jul-11	Burnham				24.25					24.25
NIS	S014895	16-May-11	Burnham			41.45						41.45
NIS	S015400	17-May-11	Burnham			21.71						21.71
NIS	S016186	18-May-11	Burnham			27.23						27.23
NIS	S017428	21-May-11	Burnham			36.58						36.58
NIS	S018030	24-May-11	Burnham			1.61						1.61
NIS	S018037	24-May-11	Burnham			21.45						21.45
NIS	S018782	26-May-11	Burnham			7.22						7.22
NIS	S020437	30-May-11	Burnham			248.14						248.14

Burnham GEOC 2011 (2)

Supplier	Invoice	Date	Project	Geochem							Total	
				Lbr/Contct	F&L	Supplies	Trans	Rental	Report	Assay		Other
Name	Ref No.	Date	Project	5150	5151	5152	5153	5154	5155	5156	5157	Total
NIS	S022356	2-Jun-11	Burnham			26.42						26.42
NIS	S023163	3-Jun-11	Burnham			111.83						111.83
NIS	S027339	14-Jun-11	Burnham			2.91						2.91
NIS	S046586	29-Jul-11	Burnham			47.22						47.22
NIS	S046586	29-Jul-11	Burnham			47.22						47.22
NIS	S047506	2-Aug-11	Burnham			1.18						1.18
NIS	S047506	2-Aug-11	Burnham			1.18						1.18
NIS	S048765	4-Aug-11	Burnham			4.16						4.16
NIS	S049659	6-Aug-11	Burnham			4.88						4.88
NIS	S058394	26-Aug-11	Burnham			3.57						3.57
NIS	SC00631	21-May-11	Burnham			-2.12						-2.12
NIS	SC00850	29-Jul-11	Burnham			-96.38						-96.38
NIS	SC01903	6-Aug-11	Burnham			4.16						-4.16
Pacesetter Petroleum	2011061401	14-Jun-11	Burnham				2770.82					2,770.82
Pacesetter Petroleum	11070802C	8-Jul-11	Burnham				(331.52)					-331.52
Pacesetter Petroleum	2011053110X	31-May-11	Burnham				417.00					417.00
Pacesetter Petroleum	2011062107C	21-Jun-11	Burnham				(21.50)					-21.50
Peacock Sales	IN075301	29-Aug-11	Burnham			40.32						40.32
Peacock Sales	IN74803	7-Jul-11	Burnham			32.44						32.44
Small's Exp.	K6945	31-Jul-11	Burnham	53.76								53.76
Small's Exp.	K6964	31-Jul-11	Burnham	75.26								75.26
Small's Exp.	K6982	31-Jul-11	Burnham					13.44				13.44
Small's Exp.	K7045	1-Aug-11	Burnham					62.72				62.72
Small's Exp.	K7276	24-Aug-11	Burnham					111.12				111.12
Super Save Propane	13130	14-May-11	Burnham		612.50							612.50
Super Save Propane	1216423	13-May-11	Burnham		456.15							456.15
Super Save Propane	1216424	13-May-11	Burnham		491.14							491.14
Super Save Propane	1217296	26-Jul-11	Burnham			365.99						365.99
Super Save Propane	1216423A	13-May-11	Burnham		46.66							46.66
Total North	11-1713	29-Aug-11	Burnham					77.06				77.06
Xplornet	I-5212677	1-Aug-11	Burnham					31.36				31.36
Xplornet	I-5212679	1-Aug-11	Burnham					31.36				31.36
xx Total xx				24,510.49	17,949.24	4,591.58	57,444.57	957.41	0.00	55,115.20	134.08	160,702.57

Appendix B - Sample Locations and Descriptions

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
102101	21/06/2011	JBHebsgaard	640454	7063426	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	C	20	Dry	Excellent	AlpineBare
102102	21/06/2011	JBHebsgaard	640380	7063400	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	20	Dry	Good	AlpineBare
102103	21/06/2011	JBHebsgaard	640304	7063341	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	60	Dry	Excellent	AlpineBare
102104	21/06/2011	JBHebsgaard	640206	7063345	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	60	Dry	Excellent	AlpineBare
102105	21/06/2011	JBHebsgaard	640064	7063242	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
102106	21/06/2011	JBHebsgaard	639755	7063259	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	60	Dry	Excellent	AlpineBare
102107	21/06/2011	JBHebsgaard	639802	7063201	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	50	Dry	Excellent	AlpineBare
102108	21/06/2011	JBHebsgaard	639842	7063172	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
102109	21/06/2011	JBHebsgaard	639878	7063131	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	30	Dry	Good	AlpineBare
102110	21/06/2011	JBHebsgaard	639923	7063101	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	C	20	Dry	Good	AlpineBare
102111	21/06/2011	JBHebsgaard	639940	7063057	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	30	Dry	Good	AlpineBare
102112	21/06/2011	JBHebsgaard	639968	7063024	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	30	Dry	Good	SubAlpineBrush
102113	21/06/2011	JBHebsgaard	640029	7062969	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineBrush
102114	21/06/2011	JBHebsgaard	640074	7062917	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Excellent	SubAlpineBrush
102115	21/06/2011	JBHebsgaard	640111	7062881	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineBrush
102116	24/06/2011	JBHebsgaard	634686	7065641	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	70	Moist	Good	SubAlpineBrush
102117	24/06/2011	JBHebsgaard	634735	7065603	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateS	B	60	Moist	Good	SubAlpineBrush
102118	24/06/2011	JBHebsgaard	634779	7065540	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateS	C	40	Dry	Good	SubAlpineBrush
102119	24/06/2011	JBHebsgaard	634856	7065470	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	C	40	Dry	Good	SubAlpineBrush
102120	24/06/2011	JBHebsgaard	634897	7065426	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	Ridge	C	40	Dry	Excellent	SubAlpineBrush
102121	24/06/2011	JBHebsgaard	634930	7065384	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
102122	24/06/2011	JBHebsgaard	634953	7065307	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateS	C	40	Dry	Excellent	SubAlpineBrush
102123	24/06/2011	JBHebsgaard	634976	7065263	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	40	Dry	Good	SubAlpineBrush
102124	24/06/2011	JBHebsgaard	635029	7065220	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	40	Dry	Good	SubAlpineBrush
102125	24/06/2011	JBHebsgaard	635069	7065163	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	60	Dry	Good	SubAlpineBrush
102126	24/06/2011	JBHebsgaard	635119	7065130	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	80	Dry	Excellent	SubAlpineBrush
102127	24/06/2011	JBHebsgaard	635174	7065059	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	60	Dry	Excellent	SubAlpineBrush
102128	24/06/2011	JBHebsgaard	635270	7064991	UTMZ7N_WGS84	Colluvium	Yellow	Sand	Ridge	C	60	Dry	Good	SubAlpineBrush
102129	24/06/2011	JBHebsgaard	635340	7064922	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	ModerateSE	C	20	Dry	Excellent	SubAlpineBrush
102130	24/06/2011	JBHebsgaard	635377	7064889	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineBrush
102131	24/06/2011	JBHebsgaard	635423	7064860	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepSE	C	40	Dry	Good	ForestAspen
102132	24/06/2011	JBHebsgaard	635460	7064830	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateSE	C	50	Dry	Good	ForestAspen
102133	24/06/2011	JBHebsgaard	635518	7064792	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	50	Dry	Excellent	ForestAspen
102134	24/06/2011	JBHebsgaard	635565	7064760	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	80	Dry	Excellent	ForestAspen
102135	24/06/2011	JBHebsgaard	635591	7064697	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepSE	C	60	Dry	Good	ForestAspen
102136	24/06/2011	JBHebsgaard	635629	7064658	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	B	60	Dry	Good	ForestAspen
102137	25/06/2011	JBHebsgaard	635103	7066410	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
102138	25/06/2011	JBHebsgaard	634924	7067456	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	C	40	Moist	Poor	SubAlpineBrush
102139	25/06/2011	JBHebsgaard	634944	7067513	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	B	40	Moist	Good	SubAlpineBrush
102140	25/06/2011	JBHebsgaard	634991	7067661	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	40	Moist	Good	SubAlpineBrush
102141	25/06/2011	JBHebsgaard	635069	7067884	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Good	SubAlpineBrush
102142	25/06/2011	JBHebsgaard	635187	7067978	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	40	Moist	Good	SubAlpineBrush
102143	25/06/2011	JBHebsgaard	635230	7068044	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	SubAlpineBrush
102144	25/06/2011	JBHebsgaard	635247	7068105	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNE	C	40	Dry	Excellent	SubAlpineBrush
102145	26/06/2011	JBHebsgaard	631144	7064405	UTMZ7N_WGS84	Lithosoil	Orange	Silt	Ridge	C	60	Dry	Good	SubAlpineBrush
102146	26/06/2011	JBHebsgaard	631124	7064289	UTMZ7N_WGS84	Colluvium	Orange	Clay	ModerateS	C	40	Dry	Good	SubAlpineBrush
102147	26/06/2011	JBHebsgaard	631106	7064237	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	60	Dry	Excellent	SubAlpineBrush
102148	26/06/2011	JBHebsgaard	631070	7064188	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	B	60	Moist	Good	SubAlpineBrush
102149	26/06/2011	JBHebsgaard	631049	7064142	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	B	30	Moist	Good	SubAlpineBrush
102150	26/06/2011	JBHebsgaard	631026	7064068	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	B	40	Dry	Good	ForestAspen
102151	26/06/2011	JBHebsgaard	631083	7063981	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateE	B	50	Moist	Good	ForestMixed
102152	26/06/2011	JBHebsgaard	631072	7063928	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	Ridge	C	30	Dry	Excellent	ForestMixed
102153	26/06/2011	JBHebsgaard	631046	7063867	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	80	Dry	Excellent	SubAlpineAlder

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
102154	26/06/2011	JBHebsgaard	631061	7063775	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateE	C	40	Dry	Excellent	ForestMixed
102155	26/06/2011	JBHebsgaard	631073	7063727	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateE	C	50	Dry	Good	SubAlpineAlder
102156	26/06/2011	JBHebsgaard	631105	7063691	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateE	C	60	Dry	Good	ForestMixed
102157	26/06/2011	JBHebsgaard	631145	7063681	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
102158	26/06/2011	JBHebsgaard	631189	7063666	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
102159	26/06/2011	JBHebsgaard	631231	7063642	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
102160	26/06/2011	JBHebsgaard	631248	7063597	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	60	Dry	Good	ForestBlackSpruce
102162	26/06/2011	JBHebsgaard	631325	7063570	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	60	Dry	Good	ForestMixed
102163	26/06/2011	JBHebsgaard	631364	7063540	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateE	C	40	Dry	Good	ForestMixed
102164	26/06/2011	JBHebsgaard	631404	7063487	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Dry	Good	ForestMixed
102165	26/06/2011	JBHebsgaard	631435	7063448	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Dry	Good	ForestMixed
102166	26/06/2011	JBHebsgaard	631480	7063402	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	70	Moist	Good	ForestMixed
102167	26/06/2011	JBHebsgaard	631502	7063370	UTMZ7N_WGS84	Colluvium	RustyOrange	Gravel	ModerateSE	C	50	Moist	Good	ForestMixed
102168	26/06/2011	JBHebsgaard	631538	7063335	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateSE	B	30	Dry	Good	ForestMixed
102169	26/06/2011	JBHebsgaard	631577	7063306	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateSE	C	50	Moist	Good	ForestMixed
102170	26/06/2011	JBHebsgaard	631598	7063267	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateS	C	50	Dry	Good	BurnOld
102171	26/06/2011	JBHebsgaard	631623	7063210	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	20	Dry	Good	BurnOld
102172	26/06/2011	JBHebsgaard	631623	7063154	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	70	Dry	Good	BurnOld
102173	26/06/2011	JBHebsgaard	631644	7063078	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	70	Dry	Good	BurnOld
102174	26/06/2011	JBHebsgaard	631684	7063040	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	40	Dry	Good	BurnOld
102175	26/06/2011	JBHebsgaard	631713	7062987	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateS	C	40	Dry	Good	BurnOld
102176	26/06/2011	JBHebsgaard	631834	7062882	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	60	Dry	Good	ForestMixed
102177	27/06/2011	JBHebsgaard	631873	7066191	UTMZ7N_WGS84	Lithosoil	Brown	Clay	RidgeAlpine	B	40	Moist	Good	SubAlpineBrush
102178	27/06/2011	JBHebsgaard	631821	7066205	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	RidgeAlpine	C	40	Dry	Good	SubAlpineBrush
102179	27/06/2011	JBHebsgaard	631674	7066309	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	50	Moist	Good	SubAlpineBrush
102180	27/06/2011	JBHebsgaard	631632	7066361	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	50	Moist	Good	SubAlpineBrush
102181	27/06/2011	JBHebsgaard	631566	7066441	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	50	Moist	Good	SubAlpineBrush
102182	27/06/2011	JBHebsgaard	631498	7066493	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	SubAlpineBrush
102183	27/06/2011	JBHebsgaard	631440	7066531	UTMZ7N_WGS84	Lithosoil	Brown	Clay	Ridge	B	40	Moist	Good	SubAlpineBrush
102184	27/06/2011	JBHebsgaard	631126	7066689	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	70	Moist	Good	SubAlpineBrush
102185	27/06/2011	JBHebsgaard	631055	7066713	UTMZ7N_WGS84	Colluvium	RustyRed	Gravel	ModerateNW	C	40	Dry	Good	SubAlpineBrush
102186	27/06/2011	JBHebsgaard	630969	7066743	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateNW	C	40	Dry	Good	SubAlpineBrush
102187	27/06/2011	JBHebsgaard	630867	7066793	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	B	40	Moist	Good	SubAlpineBrush
102188	27/06/2011	JBHebsgaard	630660	7066867	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateNW	B	60	Moist	Good	ForestMixed
102190	28/06/2011	JBHebsgaard	628564	7075061	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Ridge	C	40	Dry	Good	SubAlpineBrush
102192	28/06/2011	JBHebsgaard	628491	7075047	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateW	C	40	Dry	Good	SubAlpineBrush
102193	28/06/2011	JBHebsgaard	628402	7075054	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Dry	Excellent	SubAlpineBrush
102194	28/06/2011	JBHebsgaard	628345	7075069	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepW	C	50	Moist	Good	SubAlpineBrush
102195	28/06/2011	JBHebsgaard	628247	7075089	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	30	Moist	Good	BurnOld
102196	28/06/2011	JBHebsgaard	628165	7075107	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Dry	Excellent	BurnOld
102197	28/06/2011	JBHebsgaard	628108	7075121	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Dry	Excellent	BurnOld
102198	28/06/2011	JBHebsgaard	628031	7075142	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	30	Dry	Excellent	BurnOld
102199	28/06/2011	JBHebsgaard	627986	7075140	UTMZ7N_WGS84	Lithosoil	RustyRed	Sand	Ridge	C	30	Dry	Excellent	BurnOld
102200	28/06/2011	JBHebsgaard	627902	7075166	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	50	Dry	Excellent	BurnOld
102201	28/06/2011	JBHebsgaard	627836	7075158	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	30	Dry	Good	BurnOld
102202	28/06/2011	JBHebsgaard	627776	7075160	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
102203	28/06/2011	JBHebsgaard	627698	7075151	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Dry	Good	BurnOld
102204	28/06/2011	JBHebsgaard	627637	7075138	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Dry	Good	BurnOld
102205	28/06/2011	JBHebsgaard	627593	7075103	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	40	Moist	Good	BurnOld
102206	28/06/2011	JBHebsgaard	627543	7075067	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	60	Dry	Excellent	BurnOld
102207	28/06/2011	JBHebsgaard	627477	7075056	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	40	Dry	Good	BurnOld
102208	28/06/2011	JBHebsgaard	627419	7075031	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateW	C	30	Dry	Good	BurnOld
102209	28/06/2011	JBHebsgaard	627359	7075030	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Flat	C	40	Dry	Good	BurnOld

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
102210	28/06/2011	JBHebsgaard	627317	7075025	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateW	C	40	Dry	Good	BurnOld
102211	28/06/2011	JBHebsgaard	627259	7075034	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Dry	Good	BurnOld
102212	28/06/2011	JBHebsgaard	627145	7074996	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
102213	28/06/2011	JBHebsgaard	627075	7074994	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
102214	28/06/2011	JBHebsgaard	627002	7074974	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
102215	29/06/2011	JBHebsgaard	623137	7081115	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	40	Dry	Good	SubAlpineBrush
102216	29/06/2011	JBHebsgaard	623080	7081084	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateNW	C	40	Dry	Good	ForestMixed
102217	29/06/2011	JBHebsgaard	623030	7081063	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateNW	C	40	Moist	Good	ForestMixed
102218	29/06/2011	JBHebsgaard	622971	7081075	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
102219	29/06/2011	JBHebsgaard	622921	7081054	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
102220	29/06/2011	JBHebsgaard	622883	7081029	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateNW	C	50	Dry	Good	ForestMixed
102221	29/06/2011	JBHebsgaard	622820	7081037	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestAspen
102222	29/06/2011	JBHebsgaard	622762	7081042	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
102223	29/06/2011	JBHebsgaard	622704	7081032	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
102224	29/06/2011	JBHebsgaard	622635	7081036	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
102225	29/06/2011	JBHebsgaard	622544	7081054	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
102226	29/06/2011	JBHebsgaard	622487	7081091	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
102227	29/06/2011	JBHebsgaard	622435	7081065	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	60	Dry	Good	ForestMixed
102228	29/06/2011	JBHebsgaard	622337	7081086	UTMZ7N_WGS84	Lithosoil	Tan	Sand	Flat	C	40	Dry	Excellent	ForestMixed
102229	29/06/2011	JBHebsgaard	622281	7081092	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
102230	29/06/2011	JBHebsgaard	622240	7081114	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Flat	C	40	Dry	Good	ForestMixed
102231	29/06/2011	JBHebsgaard	622190	7081088	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Flat	C	30	Dry	Excellent	ForestMixed
102232	29/06/2011	JBHebsgaard	622147	7081071	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Flat	C	30	Dry	Good	ForestMixed
102233	29/06/2011	JBHebsgaard	622105	7081032	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	30	Dry	Good	ForestMixed
102234	29/06/2011	JBHebsgaard	622054	7081065	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	60	Dry	Good	ForestMixed
102235	29/06/2011	JBHebsgaard	621991	7080991	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateW	C	50	Dry	Good	ForestMixed
102236	29/06/2011	JBHebsgaard	621916	7081014	UTMZ7N_WGS84	Lithosoil	RustyRed	Silt	Flat	C	40	Dry	Good	ForestMixed
102237	29/06/2011	JBHebsgaard	621859	7081020	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	50	Dry	Excellent	ForestMixed
102238	29/06/2011	JBHebsgaard	621786	7081029	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Dry	Good	ForestMixed
102239	29/06/2011	JBHebsgaard	621708	7080993	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
102240	29/06/2011	JBHebsgaard	621630	7080937	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	60	Dry	Good	ForestMixed
102242	29/06/2011	JBHebsgaard	621554	7080924	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateW	C	40	Dry	Good	ForestMixed
102243	29/06/2011	JBHebsgaard	621486	7080919	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateW	C	40	Dry	Good	ForestMixed
102244	29/06/2011	JBHebsgaard	621385	7080871	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	50	Dry	Good	ForestMixed
103215	20/06/2011	ChrisErdman	641874	7057300	UTMZ7N_WGS84	Colluvium	Grey	Sand	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
103216	20/06/2011	ChrisErdman	641974	7057222	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	C	20	Dry	Poor	AlpineBare
103217	20/06/2011	ChrisErdman	642023	7057209	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
103218	20/06/2011	ChrisErdman	642255	7057098	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	C	40	Dry	Good	AlpineBare
103219	20/06/2011	ChrisErdman	642281	7057053	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	C	30	Dry	Good	AlpineBare
103220	20/06/2011	ChrisErdman	642306	7057009	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Dry	Poor	AlpineBare
103221	21/06/2011	ChrisErdman	642568	7059535	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
103222	21/06/2011	ChrisErdman	642576	7059566	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
103223	21/06/2011	ChrisErdman	642587	7059595	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	C	30	Dry	Good	AlpineBare
103224	21/06/2011	ChrisErdman	642619	7059646	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	C	50	Moist	Excellent	AlpineBare
103225	21/06/2011	ChrisErdman	642629	7059704	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
103226	21/06/2011	ChrisErdman	642572	7059781	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Dry	Good	AlpineBare
103227	21/06/2011	ChrisErdman	642557	7059841	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	20	Dry	Good	AlpineBare
103228	21/06/2011	ChrisErdman	642570	7059862	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	B	20	Dry	Good	AlpineBare
103229	21/06/2011	ChrisErdman	642584	7059900	UTMZ7N_WGS84	Colluvium	Green	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
103230	21/06/2011	ChrisErdman	642579	7060184	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	30	Wet	Poor	ForestBlackSpruce
103231	21/06/2011	ChrisErdman	642588	7060256	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE		40	Moist	Poor	ForestBlackSpruce
103232	21/06/2011	ChrisErdman	642590	7060299	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	30	Moist	Poor	ForestBlackSpruce
103233	21/06/2011	ChrisErdman	642593	7060367	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	30	Moist	Poor	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
103234	21/06/2011	ChrisErdman	642586	7060411	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	60	Dry	Excellent	ForestBlackSpruce
103235	21/06/2011	ChrisErdman	642556	7060478	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateN	C	60	Dry	Excellent	ForestBlackSpruce
103236	21/06/2011	ChrisErdman	642558	7060517	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Wet	Excellent	ForestBlackSpruce
103238	21/06/2011	ChrisErdman	642563	7060563	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestBlackSpruce
103239	21/06/2011	ChrisErdman	642550	7060605	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Dry	Good	ForestBlackSpruce
103241	21/06/2011	ChrisErdman	642538	7060646	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Frozen	Excellent	ForestBlackSpruce
103242	22/06/2011	ChrisErdman	635734	7065862	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Dry	Good	ForestMixed
103243	22/06/2011	ChrisErdman	635782	7065894	UTMZ7N_WGS84	Colluvium	Brown		ModerateE	B	40	Dry	Good	ForestMixed
103244	22/06/2011	ChrisErdman	635818	7065906	UTMZ7N_WGS84	Colluvium	Brown		ModerateNE	C	50	Dry	Excellent	ForestMixed
103245	22/06/2011	ChrisErdman	635862	7065936	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
103246	22/06/2011	ChrisErdman	635924	7065972	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
103247	22/06/2011	ChrisErdman	635952	7065996	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNE	C	60	Dry	Excellent	BurnOld
103248	22/06/2011	ChrisErdman	635990	7066027	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
103249	22/06/2011	ChrisErdman	636029	7066063	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	60	Dry	Good	ForestMixed
103250	22/06/2011	ChrisErdman	636078	7066097	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
103251	22/06/2011	ChrisErdman	636157	7066104	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
103252	22/06/2011	ChrisErdman	636202	7066084	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
103253	22/06/2011	ChrisErdman	636251	7066061	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	60	Dry	Good	ForestMixed
103254	22/06/2011	ChrisErdman	636305	7066045	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	60	Dry	Good	ForestMixed
103255	22/06/2011	ChrisErdman	636360	7066034	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
103256	22/06/2011	ChrisErdman	636407	7066032	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
103257	22/06/2011	ChrisErdman	636456	7066017	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
103258	22/06/2011	ChrisErdman	636522	7066023	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
103259	22/06/2011	ChrisErdman	636573	7066016	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	40	Frozen	Good	ForestMixed
103260	22/06/2011	ChrisErdman	636628	7066002	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
103261	22/06/2011	ChrisErdman	636688	7065981	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
103262	22/06/2011	ChrisErdman	636747	7065942	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
103263	22/06/2011	ChrisErdman	636814	7065932	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
103264	22/06/2011	ChrisErdman	636860	7065931	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
103265	22/06/2011	ChrisErdman	636901	7065928	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
103266	24/06/2011	ChrisErdman	639075	7063374	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	80	Dry	Excellent	BurnOld
103267	24/06/2011	ChrisErdman	638965	7063340	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateNW	C	40	Dry	Excellent	BurnOld
103268	24/06/2011	ChrisErdman	638884	7063300	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
103269	24/06/2011	ChrisErdman	638790	7063267	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	60	Dry	Excellent	BurnOld
103270	24/06/2011	ChrisErdman	638687	7063228	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Dry	Excellent	BurnOld
103271	24/06/2011	ChrisErdman	638607	7063182	UTMZ7N_WGS84	Colluvium	Tan	Silt	Depression	C	70	Dry	Excellent	BurnOld
103272	24/06/2011	ChrisErdman	638512	7063150	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
103273	24/06/2011	ChrisErdman	638406	7063088	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNE	C	40	Dry	Excellent	BurnOld
103274	24/06/2011	ChrisErdman	638332	7063044	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
103275	24/06/2011	ChrisErdman	638349	7062961	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	40	Dry	Good	ForestMixed
103276	24/06/2011	ChrisErdman	638383	7062871	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateS	C	50	Dry	Excellent	BurnOld
103277	24/06/2011	ChrisErdman	638404	7062804	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateS	C	50	Dry	Excellent	BurnOld
103278	24/06/2011	ChrisErdman	638387	7062753	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	50	Dry	Good	BurnOld
103279	24/06/2011	ChrisErdman	638385	7062699	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateS	C	60	Moist	Excellent	BurnOld
103280	24/06/2011	ChrisErdman				Colluvium	Tan	Silt	ModerateS	C	80	Dry	Excellent	BurnOld
103281	24/06/2011	ChrisErdman	638370	7062579	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateS	C	80	Dry	Excellent	BurnOld
103282	24/06/2011	ChrisErdman	638324	7062526	UTMZ7N_WGS84	Colluvium	Tan	Silt	Flat	B	80	Dry	Good	BurnOld
103283	24/06/2011	ChrisErdman	638304	7062484	UTMZ7N_WGS84	Colluvium	Tan	Silt	Flat	C	60	Dry	Excellent	BurnOld
103284	24/06/2011	ChrisErdman	638298	7062416	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNE	C	60	Dry	Excellent	BurnOld
103285	24/06/2011	ChrisErdman	638256	7062373	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	70	Dry	Excellent	BurnOld
103286	24/06/2011	ChrisErdman	638200	7062366	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	60	Dry	Excellent	BurnOld
103287	24/06/2011	ChrisErdman	638160	7062338	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	60	Dry	Excellent	BurnOld
103288	24/06/2011	ChrisErdman	638137	7062306	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateNW	C	60	Dry	Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
103289	24/06/2011	ChrisErdman	638124	7062255	UTMZ7N_WGS84	Colluvium	Tan	Silt	SteepSW	C	50	Dry	Excellent	BurnOld
103291	24/06/2011	ChrisErdman	638098	7062208	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	30	Frozen	Good	BurnOld
103292	24/06/2011	ChrisErdman	638067	7062174	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	C	50	Dry	Excellent	BurnOld
103293	24/06/2011	ChrisErdman	638044	7062136	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	C	50	Dry	Excellent	BurnOld
103294	24/06/2011	ChrisErdman	638001	7062090	UTMZ7N_WGS84	Colluvium	Tan	Silt	Flat	C	60	Dry	Excellent	BurnOld
103295	25/06/2011	ChrisErdman	634514	7065665	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateS	B	30	Dry	Good	AlpineBare
103296	25/06/2011	ChrisErdman	634463	7065677	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateS	B	60	Dry	Good	AlpineBare
103297	25/06/2011	ChrisErdman	634410	7065679	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateS	B	40	Dry	Good	AlpineBare
103298	25/06/2011	ChrisErdman	634378	7065692	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateS	B	50	Dry	Good	AlpineBare
103299	25/06/2011	ChrisErdman	634319	7065715	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	40	Moist	Poor	AlpineBare
103300	25/06/2011	ChrisErdman	634262	7065746	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Dry	Good	AlpineBare
103301	25/06/2011	ChrisErdman	634219	7065749	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	40	Dry	Poor	AlpineBare
103302	25/06/2011	ChrisErdman	634123	7065748	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateS	C	40	Dry	Excellent	AlpineBare
103303	25/06/2011	ChrisErdman	634023	7065754	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	40	Dry	Good	AlpineBare
103304	25/06/2011	ChrisErdman	633967	7065747	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	40	Dry	Good	AlpineBare
103305	25/06/2011	ChrisErdman	633875	7065763	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Dry	Good	AlpineBare
103306	25/06/2011	ChrisErdman	633823	7065813	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	30	Dry	Good	AlpineBare
103307	25/06/2011	ChrisErdman	633803	7065838	UTMZ7N_WGS84	Colluvium	Tan	Silt	RidgeAlpine	C	20	Dry	Excellent	AlpineBare
103308	25/06/2011	ChrisErdman	633760	7065864	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
103309	25/06/2011	ChrisErdman	633724	7065921	UTMZ7N_WGS84	Colluvium	Grey	Silt	RidgeAlpine	B	40	Moist	Poor	AlpineBare
103310	25/06/2011	ChrisErdman	633686	7065991	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Moist	Poor	AlpineBare
103311	25/06/2011	ChrisErdman	633661	7066104	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Dry	Good	AlpineBare
103312	25/06/2011	ChrisErdman	633826	7065764	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Dry	Good	AlpineBare
103313	25/06/2011	ChrisErdman	633781	7065754	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
103314	25/06/2011	ChrisErdman	633740	7065752	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
103315	25/06/2011	ChrisErdman	633683	7065731	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	60	Dry	Poor	AlpineBare
103316	25/06/2011	ChrisErdman	633638	7065710	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	40	Dry	Good	AlpineBare
103317	25/06/2011	ChrisErdman	633581	7065692	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Moist	Good	AlpineBare
103318	25/06/2011	ChrisErdman	633532	7065695	UTMZ7N_WGS84	Colluvium	Grey	Silt	RidgeAlpine	C	50	Dry	Excellent	AlpineBare
103319	25/06/2011	ChrisErdman	633478	7065645	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Dry	Good	AlpineBare
103320	25/06/2011	ChrisErdman	633428	7065650	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	30	Dry	Good	AlpineBare
103321	25/06/2011	ChrisErdman	633379	7065635	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Dry	Poor	AlpineBare
103322	25/06/2011	ChrisErdman	633339	7065605	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Dry	Poor	AlpineBare
103323	25/06/2011	ChrisErdman	633290	7065594	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Dry	Poor	AlpineBare
103324	25/06/2011	ChrisErdman	633150	7065602	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	20	Dry	Poor	AlpineBare
103325	25/06/2011	ChrisErdman	633120	7065583	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	AlpineBare
103326	25/06/2011	ChrisErdman	632997	7065601	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	60	Moist	Good	ParklandPine
103327	26/06/2011	ChrisErdman	632491	7065783	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	20	Moist	Poor	SubAlpineBrush
103328	26/06/2011	ChrisErdman	632431	7065812	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	50	Dry	Good	SubAlpineBrush
103329	26/06/2011	ChrisErdman	632386	7065821	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	40	Dry	Good	SubAlpineBrush
103330	26/06/2011	ChrisErdman	632355	7065866	UTMZ7N_WGS84									
103331	26/06/2011	ChrisErdman	632352	7065917	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Moist	Excellent	SubAlpineBrush
103332	26/06/2011	ChrisErdman	632327	7065966	UTMZ7N_WGS84									
103333	26/06/2011	ChrisErdman	632286	7065994	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	40	Moist	Good	SubAlpineBrush
103334	26/06/2011	ChrisErdman	632247	7066011	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	SubAlpineBrush
103335	26/06/2011	ChrisErdman	632198	7066016	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	30	Dry	Good	SubAlpineBrush
103336	26/06/2011	ChrisErdman	632150	7066036	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Moist	Good	SubAlpineBrush
103337	26/06/2011	ChrisErdman	632095	7066061	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Ridge	B	40	Frozen	Poor	SubAlpineBrush
103338	26/06/2011	ChrisErdman	632051	7066085	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Dry	Excellent	SubAlpineBrush
103339	26/06/2011	ChrisErdman	632015	7066111	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	SubAlpineBrush
103340	26/06/2011	ChrisErdman	631961	7066112	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Good	SubAlpineBrush
103341	26/06/2011	ChrisErdman	631897	7066060	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	50	Dry	Good	SubAlpineBrush
103342	26/06/2011	ChrisErdman	631867	7066028	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Dry	Good	SubAlpineBrush

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
103343	26/06/2011	ChrisErdman	631811	7066023	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Dry	Good	SubAlpineBrush
103344	26/06/2011	ChrisErdman	631767	7066004	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	B	50	Moist	Good	BurnOld
103345	26/06/2011	ChrisErdman	631722	7065958	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	20	Dry	Good	BurnOld
103346	26/06/2011	ChrisErdman	631674	7065977	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
103347	26/06/2011	ChrisErdman	631623	7065992	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
103348	26/06/2011	ChrisErdman	631579	7065989	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
103349	26/06/2011	ChrisErdman	631527	7065966	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	60	Dry	Good	BurnOld
103350	26/06/2011	ChrisErdman	631477	7065941	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Dry	Good	BurnOld
103351	26/06/2011	ChrisErdman	631393	7065978	UTMZ7N_WGS84	Colluvium	Brown		ModerateSW	B	20	Dry	Poor	BurnOld
103352	26/06/2011	ChrisErdman	631337	7065943	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepSW	C	40	Dry	Good	BurnOld
103353	26/06/2011	ChrisErdman	631280	7065943	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
103354	26/06/2011	ChrisErdman	631229	7065957	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	50	Dry	Good	BurnOld
103355	26/06/2011	ChrisErdman	631176	7065973	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Dry	Good	BurnOld
103356	26/06/2011	ChrisErdman	631124	7065986	UTMZ7N_WGS84									
103357	26/06/2011	ChrisErdman	631078	7065990	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
103358	26/06/2011	ChrisErdman	631035	7065987	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
103359	26/06/2011	ChrisErdman	630981	7066006	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
103360	26/06/2011	ChrisErdman	630935	7066007	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
103361	26/06/2011	ChrisErdman	630883	7066019	UTMZ7N_WGS84									
103362	26/06/2011	ChrisErdman	630860	7066056	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Dry	Excellent	BurnOld
103363	26/06/2011	ChrisErdman	630816	7066091	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	C	50	Dry	Excellent	BurnOld
103364	27/06/2011	ChrisErdman	627067	7077899	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	30	Dry	Good	ForestMixed
103365	27/06/2011	ChrisErdman	627082	7077950	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	20	Dry	Good	ForestMixed
103366	27/06/2011	ChrisErdman	627113	7077982	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	20	Dry	Poor	ForestMixed
103367	27/06/2011	ChrisErdman	627119	7078032	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
103368	27/06/2011	ChrisErdman	627198	7078127	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	SubAlpineBrush
103369	27/06/2011	ChrisErdman	627244	7078212	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	SubAlpineBrush
103370	27/06/2011	ChrisErdman	627263	7078249	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Dry	Good	ForestMixed
103371	27/06/2011	ChrisErdman	627251	7078290	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
103372	27/06/2011	ChrisErdman	627264	7078342	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
103373	27/06/2011	ChrisErdman	627270	7078392	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
103374	27/06/2011	ChrisErdman	627273	7078440	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	BurnOld
103375	27/06/2011	ChrisErdman	627270	7078494	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	BurnOld
103376	27/06/2011	ChrisErdman	627258	7078537	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	BurnOld
103377	27/06/2011	ChrisErdman	627265	7078589	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Dry	Good	BurnOld
103378	27/06/2011	ChrisErdman	627275	7078639	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	B	30	Dry	Poor	BurnOld
103379	27/06/2011	ChrisErdman	627271	7078690	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
103380	27/06/2011	ChrisErdman	627272	7078752	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Dry	Good	BurnOld
103381	27/06/2011	ChrisErdman	627277	7078803	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Dry	Good	BurnOld
103382	27/06/2011	ChrisErdman	627265	7078851	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Dry	Good	BurnOld
103383	27/06/2011	ChrisErdman	627270	7078901	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Dry	Good	BurnOld
103384	27/06/2011	ChrisErdman	627281	7078954	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
103385	27/06/2011	ChrisErdman	627257	7079002	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	BurnOld
103386	27/06/2011	ChrisErdman	627270	7079041	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
103387	27/06/2011	ChrisErdman	627246	7079086	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	BurnOld
103388	27/06/2011	ChrisErdman	627214	7079125	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Dry	Excellent	BurnOld
103389	27/06/2011	ChrisErdman	627183	7079160	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	BurnOld
103391	27/06/2011	ChrisErdman	627160	7079205	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Dry	Good	BurnOld
103392	27/06/2011	ChrisErdman	627128	7079248	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Dry	Good	BurnOld
103393	27/06/2011	ChrisErdman	627099	7079281	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Dry	Good	ForestMixed
103394	27/06/2011	ChrisErdman	627064	7079330	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Wet	Poor	BurnOld
103395	27/06/2011	ChrisErdman	627038	7079379	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Moist	Poor	BurnOld
103396	27/06/2011	ChrisErdman	626974	7079452	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	40	Moist	Poor	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
103397	27/06/2011	ChrisErdman	626932	7079467	UTMZ7N_WGS84	Alluvium	Tan	Sand	ModerateNW	C	40	Dry	Good	BurnOld
103398	28/06/2011	ChrisErdman	626862	7071871	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
103399	28/06/2011	ChrisErdman	626911	7071892	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
103400	28/06/2011	ChrisErdman	626952	7071933	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	40	Dry	Good	ForestMixed
103401	28/06/2011	ChrisErdman	626992	7071971	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	30	Dry	Good	ForestMixed
103402	28/06/2011	ChrisErdman	627055	7071994	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	30	Dry	Good	ForestMixed
103403	28/06/2011	ChrisErdman	627066	7072039	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Poor	ForestMixed
103404	28/06/2011	ChrisErdman	627115	7072042	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
103405	28/06/2011	ChrisErdman	627173	7072064	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	40	Dry	Excellent	BurnOld
103406	28/06/2011	ChrisErdman	627225	7072078	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	40	Dry	Good	BurnOld
103407	28/06/2011	ChrisErdman	627001	7072035	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Dry	Good	BurnOld
103408	28/06/2011	ChrisErdman	626957	7072045	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Dry	Poor	BurnOld
103409	28/06/2011	ChrisErdman	626906	7072062	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Dry	Good	BurnOld
103410	28/06/2011	ChrisErdman	626867	7072083	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	BurnOld
103411	28/06/2011	ChrisErdman	626818	7072112	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Excellent	BurnOld
103412	28/06/2011	ChrisErdman	626782	7072126	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	BurnOld
103413	28/06/2011	ChrisErdman	626713	7072143	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Dry	Excellent	BurnOld
103414	28/06/2011	ChrisErdman	626667	7072156	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Dry	Good	BurnOld
103415	28/06/2011	ChrisErdman	626608	7072179	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateN	C	30	Dry	Good	BurnOld
103416	28/06/2011	ChrisErdman	626556	7072175	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Moist	Poor	BurnOld
103417	28/06/2011	ChrisErdman	626480	7072202	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Dry	Poor	ForestMixed
103418	28/06/2011	ChrisErdman	626428	7072238	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Dry	Poor	ForestMixed
103419	28/06/2011	ChrisErdman	626374	7072231	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	30	Dry	Good	ForestMixed
103420	28/06/2011	ChrisErdman	626339	7072248	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Dry	Good	ForestMixed
103421	28/06/2011	ChrisErdman	626293	7072252	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Dry	Good	ForestMixed
103422	28/06/2011	ChrisErdman	626241	7072279	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
103423	28/06/2011	ChrisErdman	626200	7072280	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
103424	28/06/2011	ChrisErdman	626146	7072292	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	30	Dry	Good	ForestMixed
103425	28/06/2011	ChrisErdman	626113	7072332	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestPine
103426	28/06/2011	ChrisErdman	626071	7072351	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
103427	28/06/2011	ChrisErdman	626016	7072389	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Dry	Good	ForestMixed
103428	28/06/2011	ChrisErdman	625977	7072416	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Dry	Poor	BurnOld
103429	28/06/2011	ChrisErdman	625933	7072448	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	B	30	Dry	Good	BurnOld
103430	29/06/2011	ChrisErdman	623805	7080615	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	20	Dry	Poor	ForestMixed
103431	29/06/2011	ChrisErdman	623780	7080593	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	20	Dry	Poor	ForestMixed
103432	29/06/2011	ChrisErdman	623765	7080500	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Wet	Good	ForestMixed
103433	29/06/2011	ChrisErdman	623773	7080446	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
103434	29/06/2011	ChrisErdman	623765	7080370	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	20	Moist	Poor	ForestMixed
103435	29/06/2011	ChrisErdman	623791	7080328	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	30	Dry	Good	ForestMixed
103436	29/06/2011	ChrisErdman	623771	7080289	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
103437	29/06/2011	ChrisErdman	623887	7080117	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Good	ForestMixed
103438	29/06/2011	ChrisErdman	623935	7080152	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	70	Moist	Good	ForestMixed
103439	29/06/2011	ChrisErdman	623984	7080163	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
103441	29/06/2011	ChrisErdman	624035	7080162	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
103442	29/06/2011	ChrisErdman	624074	7080164	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	B	60	Dry	Good	ForestMixed
103443	29/06/2011	ChrisErdman	624124	7080166	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Dry	Good	ForestMixed
103444	29/06/2011	ChrisErdman	624178	7080184	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	70	Dry	Good	ForestMixed
103445	29/06/2011	ChrisErdman	624224	7080181	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Dry	Good	ForestMixed
103446	29/06/2011	ChrisErdman	624278	7080193	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
103447	29/06/2011	ChrisErdman	624329	7080204	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Dry	Good	ForestMixed
103448	29/06/2011	ChrisErdman	624381	7080208	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	B	40	Moist	Good	ForestPine
103449	29/06/2011	ChrisErdman	624435	7080198	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	80	Dry	Excellent	ForestPine
103450	29/06/2011	ChrisErdman	624478	7080200	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestPine

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
103452	29/06/2011	ChrisErdman	624578	7080228	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	B	40	Dry	Good	ForestPine
103453	29/06/2011	ChrisErdman	624628	7080233	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	20	Wet	Poor	ForestMixed
103454	29/06/2011	ChrisErdman	624678	7080250	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Poor	ForestMixed
103455	29/06/2011	ChrisErdman	624741	7080257	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Moist	Good	ForestMixed
103456	29/06/2011	ChrisErdman	624857	7080293	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateE	C	50	Moist	Good	ForestMixed
104276	24/06/2011	MarkHiggins	637109	7063345	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	DrainageSeasonal	C	80	Moist	Excellent	ForestMixed
104277	24/06/2011	MarkHiggins	637074	7063382	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateS	C	50	Moist	Excellent	ForestMixed
104278	24/06/2011	MarkHiggins	637057	7063421	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Moist	Excellent	ForestMixed
104279	24/06/2011	MarkHiggins	637033	7063470	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateS	C	40	Dry	Excellent	ForestMixed
104280	24/06/2011	MarkHiggins	636995	7063511	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateS	C	40	Moist	Excellent	ForestMixed
104281	24/06/2011	MarkHiggins	636970	7063552	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	70	Moist	Excellent	ForestMixed
104282	24/06/2011	MarkHiggins	636941	7063588	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
104283	24/06/2011	MarkHiggins	636846	7063636	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
104284	24/06/2011	MarkHiggins	636817	7063648	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	40	Moist	Excellent	ForestMixed
104285	24/06/2011	MarkHiggins	636768	7063678	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	70	Dry	Excellent	ForestAspen
104286	24/06/2011	MarkHiggins	636718	7063703	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestAspen
104287	24/06/2011	MarkHiggins	636674	7063737	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepS	C	50	Dry	Excellent	ForestAspen
104288	24/06/2011	MarkHiggins	636633	7063689	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Excellent	ForestAspen
104289	24/06/2011	MarkHiggins	636602	7063633	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	60	Dry	Excellent	ForestAspen
104291	24/06/2011	MarkHiggins	636565	7063586	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestAspen
104292	24/06/2011	MarkHiggins	636533	7063549	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	40	Dry	Excellent	ForestAspen
104293	24/06/2011	MarkHiggins	636478	7063503	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateSW	C	500	Dry	Excellent	ForestMixed
104294	24/06/2011	MarkHiggins	636471	7063453	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
104295	24/06/2011	MarkHiggins	636416	7063395	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestAspen
104296	24/06/2011	MarkHiggins	636373	7063363	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Excellent	ForestBirch
104297	24/06/2011	MarkHiggins	636367	7063303	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	40	Dry	Excellent	ForestAspen
104298	24/06/2011	MarkHiggins	636314	7063272	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
104299	24/06/2011	MarkHiggins	636287	7063232	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateSW	C	30	Dry	Excellent	ForestMixed
104300	24/06/2011	MarkHiggins	636263	7063176	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
104301	24/06/2011	MarkHiggins	636238	7063145	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
104302	24/06/2011	MarkHiggins	636209	7063104	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
104303	24/06/2011	MarkHiggins	636186	7063058	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	70	Dry	Excellent	ForestAspen
104304	24/06/2011	MarkHiggins	636169	7063018	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	60	Dry	Excellent	ForestAspen
104305	24/06/2011	MarkHiggins	636139	7062974	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	60	Dry	Excellent	ForestAspen
104306	24/06/2011	MarkHiggins	636100	7062945	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	30	Dry	Excellent	ForestMixed
104307	24/06/2011	MarkHiggins	636096	7062895	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
104308	25/06/2011	MarkHiggins	633444	7068262	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	SubAlpineBrush
104309	25/06/2011	MarkHiggins	633484	7068287	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Wet	Good	SubAlpineBrush
104310	25/06/2011	MarkHiggins	633546	7068335	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Moist	Excellent	SubAlpineBrush
104311	25/06/2011	MarkHiggins	633608	7068338	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Wet	Good	SubAlpineBrush
104312	25/06/2011	MarkHiggins	633656	7068333	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	40	Wet	Good	SubAlpineBrush
104313	25/06/2011	MarkHiggins	633705	7068349	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Frozen	Excellent	SubAlpineBrush
104314	25/06/2011	MarkHiggins	633748	7068353	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist	Excellent	SubAlpineFir
104315	25/06/2011	MarkHiggins	633809	7068356	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	50	Moist	Excellent	SubAlpineBrush
104316	25/06/2011	MarkHiggins	633839	7068387	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	50	Moist	Excellent	
104317	25/06/2011	MarkHiggins	633899	7068394	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	40	Moist	Good	SubAlpineBrush
104318	25/06/2011	MarkHiggins	633939	7068426	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Good	SubAlpineFir
104319	25/06/2011	MarkHiggins	633990	7068428	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Excellent	SubAlpineBrush
104320	25/06/2011	MarkHiggins	634049	7068459	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Good	SubAlpineBrush
104321	25/06/2011	MarkHiggins	634091	7068490	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Good	SubAlpineBrush
104322	25/06/2011	MarkHiggins	634127	7068496	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	SubAlpineFir
104323	25/06/2011	MarkHiggins	634165	7068497	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Excellent	SubAlpineBrush
104324	25/06/2011	MarkHiggins	634245	7068509	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Moist	Excellent	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104325	25/06/2011	MarkHiggins	634275	7068536	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Moist	Excellent	ForestMixed
104326	25/06/2011	MarkHiggins	634313	7068569	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	50	Dry	Good	SubAlpineBrush
104327	25/06/2011	MarkHiggins	634359	7068580	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Excellent	SubAlpineBrush
104328	25/06/2011	MarkHiggins	634410	7068582	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Dry	Excellent	SubAlpineBrush
104329	25/06/2011	MarkHiggins	634460	7068614	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	50	Dry	Excellent	SubAlpineBrush
104330	25/06/2011	MarkHiggins	634508	7068627	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	55	Dry	Excellent	SubAlpineFir
104331	25/06/2011	MarkHiggins	634548	7068644	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	60	Dry	Excellent	SubAlpineBrush
104332	25/06/2011	MarkHiggins	634598	7068681	UTMZ7N_WGS84	Colluvium	Orange		Ridge	C	50	Dry	Excellent	SubAlpineBrush
104333	25/06/2011	MarkHiggins	634639	7068714	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Moist	Excellent	SubAlpineBrush
104334	25/06/2011	MarkHiggins	634685	7068727	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Poor	ForestMixed
104335	25/06/2011	MarkHiggins	634735	7068741	UTMZ7N_WGS84	Colluvium	BrownLight		Ridge	C	40	Dry	Good	SubAlpineBrush
104336	25/06/2011	MarkHiggins	634774	7068775	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Moist	Excellent	SubAlpineBrush
104337	25/06/2011	MarkHiggins	634830	7068797	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	50	Dry	Excellent	SubAlpineBrush
104338	25/06/2011	MarkHiggins	634847	7068827	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Dry	Excellent	
104339	25/06/2011	MarkHiggins	634910	7068860	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40			
104341	25/06/2011	MarkHiggins	634946	7068863	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	50	Dry	Excellent	SubAlpineBrush
104342	25/06/2011	MarkHiggins	634988	7068892	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	60	Frozen	Excellent	SubAlpineBrush
104343	26/06/2011	MarkHiggins	633477	7063824	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	40	Dry	Good	
104344	26/06/2011	MarkHiggins	633543	7063795	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	60	Dry	Excellent	SubAlpineBrush
104345	26/06/2011	MarkHiggins	633576	7063775	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Frozen	Good	SubAlpineFir
104346	26/06/2011	MarkHiggins	633616	7063768	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	40	Dry	Excellent	SubAlpineBrush
104347	26/06/2011	MarkHiggins	633664	7063740	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	40	Dry	Excellent	SubAlpineBrush
104348	26/06/2011	MarkHiggins	633704	7063671	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	SubAlpineBrush
104349	26/06/2011	MarkHiggins	633762	7063625	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Moist	Good	SubAlpineBrush
104350	26/06/2011	MarkHiggins	633778	7063584	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Moist	Good	SubAlpineBrush
104351	26/06/2011	MarkHiggins	633800	7063532	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	B	30	Moist	Good	SubAlpineBrush
104352	26/06/2011	MarkHiggins	633799	7063490	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Dry	Poor	SubAlpineBrush
104353	26/06/2011	MarkHiggins	633835	7063440	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30		Good	SubAlpineBrush
104354	26/06/2011	MarkHiggins	633830	7063403	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	SubAlpineBrush
104355	26/06/2011	MarkHiggins	633831	7063346	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Good	SubAlpineBrush
104356	26/06/2011	MarkHiggins	633833	7063294	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	SubAlpineBrush
104357	26/06/2011	MarkHiggins	633833	7063239	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Excellent	SubAlpineBrush
104358	26/06/2011	MarkHiggins	633847	7063193	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Good	SubAlpineFir
104359	26/06/2011	MarkHiggins	633876	7063148	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Good	SubAlpineBrush
104360	26/06/2011	MarkHiggins	633868	7063106	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Moist	Excellent	SubAlpineBrush
104361	26/06/2011	MarkHiggins	633887	7063044	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	40	Moist	Good	SubAlpineBrush
104362	26/06/2011	MarkHiggins	633896	7063002	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	40	Moist	Good	SubAlpineBrush
104363	26/06/2011	MarkHiggins	633920	7062942	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	70	Dry	Excellent	SubAlpineBrush
104364	26/06/2011	MarkHiggins	633920	7062910	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	40	Moist	Good	SubAlpineBrush
104365	26/06/2011	MarkHiggins	633956	7062836	UTMZ7N_WGS84	Frostboil	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	SubAlpineBrush
104366	26/06/2011	MarkHiggins	633953	7062806	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Moist	Excellent	SubAlpineBrush
104367	26/06/2011	MarkHiggins	633968	7062768	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Moist	Excellent	SubAlpineBrush
104368	26/06/2011	MarkHiggins	633967	7062707	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Moist	Excellent	ForestMixed
104369	26/06/2011	MarkHiggins	633984	7062656	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
104370	26/06/2011	MarkHiggins	633995	7062605	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
104371	26/06/2011	MarkHiggins	634011	7062560	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
104372	26/06/2011	MarkHiggins	634038	7062514	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
104373	26/06/2011	MarkHiggins	634065	7062473	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
104374	26/06/2011	MarkHiggins	634086	7062431	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
104375	26/06/2011	MarkHiggins	634089	7062383	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Dry		
104376	26/06/2011	MarkHiggins	634080	7062330	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
104377	27/06/2011	MarkHiggins	629489	7064983	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestBlackSpruce
104378	27/06/2011	MarkHiggins	629493	7065017	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestBlackSpruce

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104379	27/06/2011	MarkHiggins	629507	7065078	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Wet	Good	ForestMixed
104380	27/06/2011	MarkHiggins	629484	7065150	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Good	
104381	27/06/2011	MarkHiggins	629476	7065261	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	50	Frozen	Good	ForestBlackSpruce
104382	27/06/2011	MarkHiggins	629445	7065467	UTMZ7N_WGS84	Frostboil	BrownLight	Silt	ModerateNE	C	50	Moist	Good	ForestBlackSpruce
104383	27/06/2011	MarkHiggins	629341	7065630	UTMZ7N_WGS84	Lacustrian	BrownDark		DrainageSeasonal	C	40	Moist	Good	ForestBlackSpruce
104384	27/06/2011	MarkHiggins	629233	7065836	UTMZ7N_WGS84	Lacustrian	BrownDark	Silt	DrainageSeasonal	C	60	Moist	Good	ForestFir
104385	27/06/2011	MarkHiggins	629141	7065962	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Good	ForestBlackSpruce
104386	27/06/2011	MarkHiggins	628935	7066083	UTMZ7N_WGS84	Colluvium	BrownLight		ModerateNE		40		Good	ForestBlackSpruce
104387	27/06/2011	MarkHiggins	628756	7066167	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Moist	Excellent	ForestPine
104388	27/06/2011	MarkHiggins	628710	7066211	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	440	Frozen	Good	ForestMixed
104391	28/06/2011	MarkHiggins	627292	7072674	UTMZ7N_WGS84	Colluvium	BrownLight			C	80	Moist	Good	BurnOld
104392	28/06/2011	MarkHiggins	627326	7072637	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Moist	Excellent	
104393	28/06/2011	MarkHiggins	627410	7072510	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Moist	Good	BurnOld
104394	28/06/2011	MarkHiggins	627446	7072474	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	50	Dry	Excellent	BurnOld
104395	28/06/2011	MarkHiggins	627521	7072388	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Good	ForestMixed
104396	28/06/2011	MarkHiggins	627564	7072361	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
104397	28/06/2011	MarkHiggins	627604	7072331	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	50	Dry	Good	ForestMixed
104398	28/06/2011	MarkHiggins	627641	7072296	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Moist	Good	ForestMixed
104399	28/06/2011	MarkHiggins	627685	7072268	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
104400	28/06/2011	MarkHiggins	627729	7072232	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
104401	28/06/2011	MarkHiggins	627765	7072199	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	ForestMixed
104402	28/06/2011	MarkHiggins	627799	7072177	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
104403	28/06/2011	MarkHiggins	627845	7072140	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
104404	28/06/2011	MarkHiggins	627884	7072109	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	ForestMixed
104405	28/06/2011	MarkHiggins	627921	7072069	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	ForestMixed
104406	28/06/2011	MarkHiggins	627966	7072043	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	40	Dry	Excellent	ForestMixed
104407	28/06/2011	MarkHiggins	628000	7072006	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	70	Dry	Excellent	ForestMixed
104408	28/06/2011	MarkHiggins	628036	7071973	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
104409	28/06/2011	MarkHiggins	628082	7071944	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
104410	29/06/2011	MarkHiggins	623901	7080722	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	SubAlpineBrush
104411	29/06/2011	MarkHiggins	623953	7080738	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	SubAlpineBrush
104412	29/06/2011	MarkHiggins	623998	7080754	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
104413	29/06/2011	MarkHiggins	624048	7080777	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
104414	29/06/2011	MarkHiggins	624095	7080798	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Good	ForestMixed
104415	29/06/2011	MarkHiggins	624142	7080807	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
104416	29/06/2011	MarkHiggins	624183	7080840	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	40	Moist	Good	ForestMixed
104417	29/06/2011	MarkHiggins	624225	7080846	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
104418	29/06/2011	MarkHiggins	624278	7080859	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	60	Dry	Excellent	ForestMixed
104419	29/06/2011	MarkHiggins	624367	7080885	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepNW	C	70	Moist	Excellent	ForestMixed
104420	29/06/2011	MarkHiggins	624420	7080880	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Moist	Excellent	ForestMixed
104421	29/06/2011	MarkHiggins	624474	7080906	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	70	Dry	Excellent	ForestMixed
104422	29/06/2011	MarkHiggins	624530	7080920	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	60	Moist	Excellent	ForestMixed
104423	29/06/2011	MarkHiggins	624573	7080927	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
104424	29/06/2011	MarkHiggins	624630	7080945	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
104425	29/06/2011	MarkHiggins	624678	7080979	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
104426	29/06/2011	MarkHiggins	624717	7080989	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
104427	29/06/2011	MarkHiggins	624760	7081011	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
104428	29/06/2011	MarkHiggins	624793	7081026	UTMZ7N_WGS84	Colluvium		Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
104429	29/06/2011	MarkHiggins	624838	7081057	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	70	Moist	Good	ForestMixed
104430	29/06/2011	MarkHiggins	624882	7081076	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	60	Dry	Excellent	ForestMixed
104431	29/06/2011	MarkHiggins	624942	7081095	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
104432	29/06/2011	MarkHiggins	624977	7081124	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	40	Frozen	Good	ForestMixed
104433	29/06/2011	MarkHiggins	625030	7081156	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	40	Wet	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104434	29/06/2011	MarkHiggins	625055	7081187	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	60	Moist	Good	ForestMixed
104435	29/06/2011	MarkHiggins	625103	7081208	UTMZ7N_WGS84	Lacustrian	BrownDark	Silt	ModerateNE	B	40	Dry	Poor	ForestMixed
104436	29/06/2011	MarkHiggins	625187	7081341	UTMZ7N_WGS84	Lacustrian	BrownDark	Silt	ModerateNE	C	40	Wet	Poor	ForestMixed
105205	20/06/2011	JoeyTaylor	642618	7058910	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	30	Frozen	Excellent	SubAlpineBrush
105206	20/06/2011	JoeyTaylor	642624	7058988	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	30	Frozen	Excellent	SubAlpineBrush
105207	20/06/2011	JoeyTaylor	642587	7059057	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Frozen	Excellent	SubAlpineBrush
105208	20/06/2011	JoeyTaylor	642591	7059104	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	20	Frozen	Good	SubAlpineBrush
105209	20/06/2011	JoeyTaylor	642599	7059152	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	35	Frozen	Good	SubAlpineBrush
105210	20/06/2011	JoeyTaylor	642604	7059234	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	35	Moist	Good	SubAlpineBrush
105211	20/06/2011	JoeyTaylor	642632	7059350	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Moist	Excellent	SubAlpineBrush
105212	20/06/2011	JoeyTaylor	643144	7059727	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Frozen	Poor	SubAlpineBrush
105213	20/06/2011	JoeyTaylor	643218	7059766	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Moist	Good	ForestBlackSpruce
105214	21/06/2011	JoeyTaylor	639702	7063298	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	SubAlpineBrush
105215	21/06/2011	JoeyTaylor	639590	7063295	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	SubAlpineBrush
105216	21/06/2011	JoeyTaylor	639543	7063340	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Dry	Excellent	SubAlpineBrush
105217	21/06/2011	JoeyTaylor	639484	7063334	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	60	Dry	Excellent	SubAlpineBrush
105218	21/06/2011	JoeyTaylor	639438	7063345	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Dry	Good	SubAlpineBrush
105219	21/06/2011	JoeyTaylor	639321	7063394	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	50	Moist	Excellent	SubAlpineBrush
105220	21/06/2011	JoeyTaylor	639220	7063396	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	20	Dry	Good	SubAlpineBrush
105221	21/06/2011	JoeyTaylor	639164	7063419	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	50	Dry	Excellent	SubAlpineBrush
105222	21/06/2011	JoeyTaylor	639111	7063444	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	60	Dry	Excellent	SubAlpineBrush
105223	21/06/2011	JoeyTaylor	639058	7063446	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateNW		60	Dry	Excellent	SubAlpineBrush
105224	21/06/2011	JoeyTaylor	639010	7063463	UTMZ7N_WGS84	Colluvium	Colorless	Sand	ModerateNW	C	50	Dry	Good	SubAlpineBrush
105225	21/06/2011	JoeyTaylor	638920	7063499	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateNW	C	60	Frozen	Excellent	SubAlpineBrush
105226	21/06/2011	JoeyTaylor	638876	7063530	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateNW	C	50	Dry	Excellent	SubAlpineBrush
105227	21/06/2011	JoeyTaylor	638836	7063554	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	30	Dry	Good	SubAlpineBrush
105228	21/06/2011	JoeyTaylor	638801	7063606	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	40	Dry	Good	SubAlpineBrush
105229	21/06/2011	JoeyTaylor	638760	7063629	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	30	Dry	Good	SubAlpineBrush
105230	21/06/2011	JoeyTaylor	638709	7063650	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateNW	C	40	Dry	Good	SubAlpineBrush
105231	21/06/2011	JoeyTaylor	638679	7063675	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateNW	C	60	Dry	Excellent	SubAlpineBrush
105232	21/06/2011	JoeyTaylor	638648	7063720	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	3	Dry	Good	SubAlpineBrush
105233	21/06/2011	JoeyTaylor	638624	7063761	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	40	Moist	Good	SubAlpineBrush
105234	21/06/2011	JoeyTaylor	638576	7063795	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	30	Dry	Good	SubAlpineBrush
105235	21/06/2011	JoeyTaylor	638594	7063867	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	30	Dry	Good	SubAlpineBrush
105236	21/06/2011	JoeyTaylor	638617	7063918	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	40	Dry	Good	SubAlpineBrush
105237	21/06/2011	JoeyTaylor	638635	7063967	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Dry	Excellent	BurnOld
105238	21/06/2011	JoeyTaylor	638652	7064037	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	40	Dry	Good	BurnOld
105239	21/06/2011	JoeyTaylor	638680	7064091	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	40	Dry	Good	BurnOld
105241	21/06/2011	JoeyTaylor	638694	7064143	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	40	Dry	Good	BurnOld
105242	21/06/2011	JoeyTaylor	638701	7064189	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	50	Dry	Excellent	BurnOld
105243	21/06/2011	JoeyTaylor	638735	7064222	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Dry	Excellent	BurnOld
105244	21/06/2011	JoeyTaylor	638763	7064279	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	40	Dry	Good	BurnOld
105245	21/06/2011	JoeyTaylor	638757	7064348	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateN	C	50	Dry	Excellent	BurnOld
105246	21/06/2011	JoeyTaylor	638773	7064400	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateN	C	70	Dry	Excellent	BurnOld
105247	22/06/2011	JoeyTaylor	634429	7064803	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Moist	Good	SubAlpineBrush
105248	22/06/2011	JoeyTaylor	634444	7064757	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	30	Dry	Good	SubAlpineBrush
105249	22/06/2011	JoeyTaylor	634472	7064717	UTMZ7N_WGS84									
105250	22/06/2011	JoeyTaylor	634533	7064690	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Moist	Good	SubAlpineBrush
105251	22/06/2011	JoeyTaylor	634534	7064641	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	50	Moist	Excellent	SubAlpineAlder
105252	22/06/2011	JoeyTaylor	634577	7064602	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	30	Moist	Good	SubAlpineAlder
105253	22/06/2011	JoeyTaylor	634620	7064585	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Moist	Good	SubAlpineAlder
105254	22/06/2011	JoeyTaylor	634655	7064560	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Moist	Good	SubAlpineAlder
105255	22/06/2011	JoeyTaylor	634711	7064533	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	50	Moist	Good	SubAlpineAlder

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
105256	22/06/2011	Joey Taylor	634752	7064518	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Moist	Good	SubAlpineAlder
105257	22/06/2011	Joey Taylor	634802	7064497	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Good	SubAlpineAlder
105258	22/06/2011	Joey Taylor	634844	7064468	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	SubAlpineAlder
105259	22/06/2011	Joey Taylor	634889	7064446	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	55	Moist	Excellent	SubAlpineAlder
105260	22/06/2011	Joey Taylor	634933	7064424	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	30	Moist	Good	SubAlpineAlder
105261	22/06/2011	Joey Taylor	634975	7064393	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Moist	Good	SubAlpineAlder
105262	22/06/2011	Joey Taylor	635030	7064363	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Moist	Good	SubAlpineAlder
105263	22/06/2011	Joey Taylor	635062	7064341	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Moist	Excellent	SubAlpineAlder
105264	22/06/2011	Joey Taylor	635107	7064320	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	60	Moist	Excellent	SubAlpineAlder
105265	22/06/2011	Joey Taylor	635158	7064294	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Moist	Good	SubAlpineAlder
105266	22/06/2011	Joey Taylor	635207	7064257	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Frozen	Excellent	BurnOld
105267	22/06/2011	Joey Taylor	635241	7064217	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	60	Dry	Excellent	BurnOld
105268	22/06/2011	Joey Taylor	635284	7064194	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	60	Dry	Excellent	BurnOld
105269	22/06/2011	Joey Taylor	635298	7064149	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	BurnOld
105270	22/06/2011	Joey Taylor	635330	7064127	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	60	Dry	Excellent	BurnOld
105271	24/06/2011	Joey Taylor	637930	7064202	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Good	SubAlpineAlder
105272	24/06/2011	Joey Taylor	637889	7064243	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineAlder
105273	24/06/2011	Joey Taylor	637873	7064303	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	Ridge	C	40	Dry	Good	SubAlpineAlder
105274	24/06/2011	Joey Taylor	637871	7064343	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Moist	Good	SubAlpineAlder
105275	24/06/2011	Joey Taylor	637853	7064392	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	SubAlpineAlder
105276	24/06/2011	Joey Taylor	637843	7064440	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	60	Dry	Excellent	SubAlpineAlder
105277	24/06/2011	Joey Taylor	637843	7064488	UTMZ7N_WGS84			Sand	Ridge	C	50	Dry	Excellent	SubAlpineAlder
105278	24/06/2011	Joey Taylor	637824	7064541	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	70	Dry	Excellent	SubAlpineAlder
105279	24/06/2011	Joey Taylor	637801	7064587	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Good	SubAlpineAlder
105280	24/06/2011	Joey Taylor	637776	7064629	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Good	SubAlpineAlder
105281	24/06/2011	Joey Taylor	637774	7064685	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
105282	24/06/2011	Joey Taylor	637782	7064734	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	45	Dry	Excellent	BurnOld
105283	24/06/2011	Joey Taylor	637866	7064692	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Dry	Excellent	BurnOld
105284	24/06/2011	Joey Taylor	637911	7064684	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	50	Moist	Good	BurnOld
105285	24/06/2011	Joey Taylor	637966	7064709	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	55	Dry	Excellent	BurnOld
105286	24/06/2011	Joey Taylor	638007	7064713	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Good	BurnOld
105287	24/06/2011	Joey Taylor	638082	7064709	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Excellent	BurnOld
105288	24/06/2011	Joey Taylor	638126	7064736	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	55	Dry	Excellent	BurnOld
105289	24/06/2011	Joey Taylor	638189	7064739	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	BurnOld
105290	24/06/2011	Joey Taylor	638234	7064738	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Dry	Excellent	BurnOld
105291	24/06/2011	Joey Taylor	638274	7064750	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	55	Dry	Excellent	BurnOld
105292	24/06/2011	Joey Taylor	638310	7064768	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	60	Moist	Excellent	BurnOld
105293	24/06/2011	Joey Taylor	638365	7064778	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	60	Moist	Excellent	BurnOld
105294	24/06/2011	Joey Taylor	638406	7064769	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Moist	Excellent	BurnOld
105295	24/06/2011	Joey Taylor	638471	7064779	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	B	60	Moist	Good	BurnOld
105296	24/06/2011	Joey Taylor	638514	7064790	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	50	Moist	Good	BurnOld
105297	24/06/2011	Joey Taylor	638555	7064801	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	70	Moist	Excellent	BurnOld
105298	25/06/2011	Joey Taylor	632633	7065722	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Moist	Good	SubAlpineBrush
105299	25/06/2011	Joey Taylor	632739	7065688	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Moist	Good	SubAlpineBrush
105300	25/06/2011	Joey Taylor	632785	7065567	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	B	60	Moist	Good	SubAlpineBrush
105301	25/06/2011	Joey Taylor	632736	7065543	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	B	30	Moist	Poor	SubAlpineBrush
105302	25/06/2011	Joey Taylor	632695	7065516	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Moist	Good	SubAlpineBrush
105303	25/06/2011	Joey Taylor	632640	7065485	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Good	SubAlpineBrush
105304	25/06/2011	Joey Taylor	632600	7065456	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	60	Moist	Good	SubAlpineBrush
105305	25/06/2011	Joey Taylor	632562	7065427	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
105306	25/06/2011	Joey Taylor	632524	7065394	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
105307	25/06/2011	Joey Taylor	632318	7065214	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Good	SubAlpineBrush
105308	25/06/2011	Joey Taylor	632273	7065136	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	SubAlpineBrush

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
105309	25/06/2011	Joey Taylor	632244	7065079	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
105310	25/06/2011	Joey Taylor	632188	7065027	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	50	Moist	Good	SubAlpineBrush
105311	25/06/2011	Joey Taylor	632124	7064992	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	70	Moist	Good	SubAlpineBrush
105312	25/06/2011	Joey Taylor	632004	7064790	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	SubAlpineBrush
105313	25/06/2011	Joey Taylor	631813	7064745	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
105314	26/06/2011	Joey Taylor	631467	7067943	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	40	Moist	Poor	BurnOld
105315	26/06/2011	Joey Taylor	631410	7067879	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	B	40	Moist	Poor	ForestMixed
105316	26/06/2011	Joey Taylor	631227	7067833	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	30	Moist	Poor	ForestMixed
105317	26/06/2011	Joey Taylor	631135	7067772	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Moist	Poor	ForestMixed
105318	26/06/2011	Joey Taylor	631072	7067767	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	40	Moist	Poor	ForestMixed
105319	26/06/2011	Joey Taylor	631047	7067716	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	30	Moist	Poor	ForestMixed
105320	26/06/2011	Joey Taylor	630948	7067700	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	35	Moist	Poor	ForestMixed
105321	26/06/2011	Joey Taylor	630769	7067609	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	40	Moist	Poor	BurnOld
105322	26/06/2011	Joey Taylor	630691	7067544	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	BurnOld
105323	26/06/2011	Joey Taylor	630658	7067515	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	BurnOld
105324	26/06/2011	Joey Taylor	630607	7067472	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	60	Moist	Good	BurnOld
105325	26/06/2011	Joey Taylor	630468	7067421	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Moist	Good	BurnOld
105326	26/06/2011	Joey Taylor	630424	7067390	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	B	30	Dry	Good	BurnOld
105327	26/06/2011	Joey Taylor	630396	7067348	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	B	30	Dry	Good	BurnOld
105328	26/06/2011	Joey Taylor	630313	7067313	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
105329	26/06/2011	Joey Taylor	630270	7067269	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	40	Moist	Good	ForestBlackSpruce
105330	26/06/2011	Joey Taylor	630237	7067224	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	60	Dry	Excellent	ForestBlackSpruce
105331	27/06/2011	Joey Taylor	626795	7077155	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Good	BurnNew
105332	27/06/2011	Joey Taylor	626746	7077188	UTMZ7N_WGS84	Colluvium	White	Sand	Ridge	C	60	Dry	Excellent	BurnNew
105333	27/06/2011	Joey Taylor	626710	7077217	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	BurnNew
105334	27/06/2011	Joey Taylor	626685	7077259	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	BurnNew
105335	27/06/2011	Joey Taylor	626653	7077301	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	50	Dry	Excellent	BurnNew
105336	27/06/2011	Joey Taylor	626607	7077347	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	50	Dry	Excellent	BurnNew
105337	27/06/2011	Joey Taylor	626576	7077374	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	50	Dry	Excellent	SubAlpineBrush
105338	27/06/2011	Joey Taylor	626536	7077382	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	50	Dry	Excellent	SubAlpineBrush
105339	27/06/2011	Joey Taylor	626487	7077387	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
105341	27/06/2011	Joey Taylor	626437	7077391	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	45	Dry	Excellent	SubAlpineBrush
105342	27/06/2011	Joey Taylor	626390	7077394	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
105343	27/06/2011	Joey Taylor	626340	7077392	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
105344	27/06/2011	Joey Taylor	626288	7077392	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
105345	27/06/2011	Joey Taylor	626239	7077391	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	30	Dry	Good	SubAlpineBrush
105346	27/06/2011	Joey Taylor	626175	7077389	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
105347	27/06/2011	Joey Taylor	626140	7077389	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
105348	27/06/2011	Joey Taylor	626087	7077394	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	40	Moist	Excellent	BurnNew
105349	27/06/2011	Joey Taylor	626041	7077406	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	50	Dry	Excellent	BurnNew
105350	27/06/2011	Joey Taylor	625992	7077405	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	60	Dry	Excellent	BurnNew
105351	27/06/2011	Joey Taylor	625941	7077409	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	60	Dry	Excellent	BurnNew
105352	27/06/2011	Joey Taylor	625889	7077401	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	50	Dry	Excellent	BurnNew
105353	27/06/2011	Joey Taylor	625837	7077415	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNW	C	70	Dry	Excellent	BurnNew
105354	27/06/2011	Joey Taylor	625793	7077426	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	40	Moist	Good	BurnNew
105355	27/06/2011	Joey Taylor	625733	7077429	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	60	Moist	Excellent	BurnNew
105356	27/06/2011	Joey Taylor	625689	7077435	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	40	Moist	Good	BurnNew
105357	27/06/2011	Joey Taylor	625640	7077433	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	50	Moist	Good	BurnNew
105358	27/06/2011	Joey Taylor	625589	7077441	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	50	Moist	Good	BurnNew
105359	27/06/2011	Joey Taylor	625538	7077444	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	50	Moist	Good	BurnNew
105360	27/06/2011	Joey Taylor	625483	7077447	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Moist	Good	BurnNew
105361	27/06/2011	Joey Taylor	625436	7077449	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNW	B	40	Moist	Good	BurnNew
105362	28/06/2011	Joey Taylor	627246	7072123	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	50	Dry	Excellent	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
105363	28/06/2011	Joey Taylor	627295	7072150	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Good	SubAlpineBrush
105364	28/06/2011	Joey Taylor	627380	7072190	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Moist	Good	SubAlpineBrush
105365	28/06/2011	Joey Taylor	627427	7072212	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Moist	Excellent	ForestMixed
105366	28/06/2011	Joey Taylor	627465	7072246	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	30	Moist	Good	ForestMixed
105367	28/06/2011	Joey Taylor	627466	7072301	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
105368	28/06/2011	Joey Taylor	627497	7072350	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Excellent	ForestMixed
105369	28/06/2011	Joey Taylor	627504	7072398	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	35	Moist	Good	ForestMixed
105370	28/06/2011	Joey Taylor	627512	7072437	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	60	Dry	Excellent	ForestMixed
105371	28/06/2011	Joey Taylor	627518	7072484	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
105372	28/06/2011	Joey Taylor	627536	7072539	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	30	Moist	Good	ForestMixed
105373	28/06/2011	Joey Taylor	627550	7072592	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	60	Dry	Excellent	ForestMixed
105374	28/06/2011	Joey Taylor	627572	7072632	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	40	Moist	Good	ForestMixed
105375	28/06/2011	Joey Taylor	627583	7072675	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
105376	28/06/2011	Joey Taylor	627632	7072710	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	B	40	Moist	Good	ForestMixed
105377	28/06/2011	Joey Taylor	627268	7072717	UTMZ7N_WGS84	Colluvium	Grey	Clay	DrainageSeasonal	B	60	Wet	Poor	BurnNew
105378	28/06/2011	Joey Taylor	627357	7072591	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	40	Moist	Good	BurnNew
105379	28/06/2011	Joey Taylor	627373	7072549	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	BurnNew
105380	28/06/2011	Joey Taylor	627476	7072427	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
105381	28/06/2011	Joey Taylor	627386	7072089	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
105382	28/06/2011	Joey Taylor	627420	7072042	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
105383	28/06/2011	Joey Taylor	627442	7072005	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateSE	C	60	Dry	Excellent	ForestMixed
105384	28/06/2011	Joey Taylor	627481	7071976	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
105385	28/06/2011	Joey Taylor	627516	7071926	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	70	Dry	Excellent	ForestMixed
105386	28/06/2011	Joey Taylor	627551	7071883	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
105387	28/06/2011	Joey Taylor	627567	7071833	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
105388	28/06/2011	Joey Taylor	627599	7071802	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
105389	28/06/2011	Joey Taylor	627625	7071768	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
105391	28/06/2011	Joey Taylor	627662	7071722	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	45	Dry	Excellent	ForestMixed
105392	28/06/2011	Joey Taylor	627693	7071685	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
105393	28/06/2011	Joey Taylor	627731	7071649	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	30	Dry	Good	ForestMixed
105394	28/06/2011	Joey Taylor	627765	7071622	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	35	Dry	Excellent	ForestMixed
105395	28/06/2011	Joey Taylor	627815	7071590	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
105396	28/06/2011	Joey Taylor	627864	7071594	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
105397	28/06/2011	Joey Taylor	627888	7071549	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	35	Dry	Good	ForestMixed
105398	28/06/2011	Joey Taylor	627904	7071494	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
105399	28/06/2011	Joey Taylor	627912	7071459	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
105400	28/06/2011	Joey Taylor	627922	7071397	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
105401	28/06/2011	Joey Taylor	627937	7071352	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	40	Moist	Good	ForestMixed
105402	29/06/2011	Joey Taylor	623486	7081527	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Good	SubAlpineBrush
105403	29/06/2011	Joey Taylor	623685	7081532	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Dry	Excellent	SubAlpineAlder
105404	29/06/2011	Joey Taylor	623741	7081543	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	40	Dry	Excellent	SubAlpineBrush
105405	29/06/2011	Joey Taylor	623784	7081539	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	SubAlpineBrush
105406	29/06/2011	Joey Taylor	623845	7081551	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	35	Moist	Good	SubAlpineBrush
105407	29/06/2011	Joey Taylor	623948	7081547	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Dry	Excellent	ForestMixed
105408	29/06/2011	Joey Taylor	623985	7081544	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	80	Dry	Excellent	ForestMixed
105409	29/06/2011	Joey Taylor	624042	7081551	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	70	Moist	Good	ForestMixed
105410	29/06/2011	Joey Taylor	624091	7081556	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	60	Moist	Excellent	ForestMixed
105411	29/06/2011	Joey Taylor	624136	7081568	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	50	Dry	Excellent	ForestMixed
105412	29/06/2011	Joey Taylor	624227	7081583	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
105413	29/06/2011	Joey Taylor	624285	7081570	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	60	Moist	Good	ForestMixed
105414	29/06/2011	Joey Taylor	624343	7081580	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	70	Dry	Excellent	ForestMixed
105415	29/06/2011	Joey Taylor	624543	7081596	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
105416	29/06/2011	Joey Taylor	624589	7081593	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
105417	29/06/2011	JoeyTaylor	624634	7081592	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateE	C	50	Dry	Excellent	ForestMixed
105418	29/06/2011	JoeyTaylor	624686	7081588	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateE	C	70	Moist	Excellent	ForestMixed
105419	29/06/2011	JoeyTaylor	624795	7081590	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateE	C	50	Dry	Excellent	ForestMixed
105420	29/06/2011	JoeyTaylor	624839	7081600	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	50	Moist	Excellent	ForestMixed
105421	29/06/2011	JoeyTaylor	624971	7081597	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
105422	29/06/2011	JoeyTaylor	625037	7081622	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	60	Dry	Excellent	ForestMixed
106001	26/06/2011	JamesDavison	630642	7064766	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Flat	B	20	Moist	Good	SubAlpineAlder
106002	26/06/2011	JamesDavison	630620	7064734	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	20	Moist	Good	SubAlpineAlder
106003	26/06/2011	JamesDavison	630599	7064684	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B		Moist	Good	SubAlpineAlder
106004	26/06/2011	JamesDavison	630577	7064631	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	30	Moist	Good	SubAlpineAlder
106005	26/06/2011	JamesDavison	630562	7064592	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	30	Moist	Good	ForestMixed
106006	26/06/2011	JamesDavison				Colluvium	Brown	Silt	ModerateW	B	20	Moist	Good	ForestMixed
106007	26/06/2011	JamesDavison	630449	7064491	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B		Moist	Good	ForestMixed
106008	26/06/2011	JamesDavison	630376	7064429	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	20	Moist	Good	SubAlpineAlder
106009	26/06/2011	JamesDavison	629604	7064926	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	20	Moist	Poor	ForestMixed
106010	26/06/2011	JamesDavison	629695	7064947	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	30	Moist	Good	ForestMixed
106011	26/06/2011	JamesDavison	629824	7065003	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	A	30	Moist	Poor	ForestMixed
106012	26/06/2011	JamesDavison	629950	7065087	UTMZ7N_WGS84		Brown	Silt	Flat	B	30	Moist	Poor	ForestMixed
106013	26/06/2011	JamesDavison	630051	7065106	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	20	Moist	Good	ForestMixed
106014	26/06/2011	JamesDavison	630209	7065062	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	30	Moist	Good	ForestMixed
106015	26/06/2011	JamesDavison	630321	7065031	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	20	Moist	Good	SubAlpineAlder
106016	26/06/2011	JamesDavison	630404	7065004	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Excellent	SubAlpineAlder
106017	26/06/2011	JamesDavison	630466	7064922	UTMZ7N_WGS84									
106018	26/06/2011	JamesDavison	630551	7064846	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	30	Moist	Good	SubAlpineAlder
106019	27/06/2011	LaurenWilson	628819	7075367	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Moist	Good	SubAlpineAlder
106020	27/06/2011	LaurenWilson	628827	7075487	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	C	40	Moist	Good	SubAlpineAlder
106021	27/06/2011	LaurenWilson	628829	7075585	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Moist	Good	SubAlpineAlder
106022	27/06/2011	LaurenWilson	628799	7075669	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Good	SubAlpineAlder
106023	27/06/2011	LaurenWilson	628753	7075757	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	C	50	Moist	Good	SubAlpineAlder
106024	27/06/2011	LaurenWilson	628687	7075854	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	C	30	Moist	Good	SubAlpineAlder
106025	27/06/2011	LaurenWilson	628657	7075946	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	30	Moist	Poor	SubAlpineAlder
106026	27/06/2011	LaurenWilson	628580	7076213	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Moist	Good	SubAlpineAlder
106027	27/06/2011	LaurenWilson	628571	7076330	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Moist	Good	SubAlpineAlder
106028	27/06/2011	LaurenWilson	628574	7076433	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	30	Moist	Good	SubAlpineAlder
106029	27/06/2011	LaurenWilson	628540	7076510	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	C	30	Moist	Good	SubAlpineAlder
106030	27/06/2011	LaurenWilson	628525	7076607	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	30	Moist	Good	SubAlpineAlder
106031	27/06/2011	LaurenWilson	628562	7076701	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Moist	Good	SubAlpineAlder
106032	27/06/2011	LaurenWilson	628574	7076806	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Moist	Good	SubAlpineAlder
106033	27/06/2011	LaurenWilson	628557	7076906	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	50	Moist	Good	SubAlpineAlder
106034	27/06/2011	JamesDavison	628568	7077101	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	30	Moist	Excellent	SubAlpineAlder
106035	27/06/2011	JamesDavison	628583	7077212	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Moist	Excellent	SubAlpineAlder
106036	27/06/2011	JamesDavison	628604	7077341	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C		Moist	Good	SubAlpineAlder
106037	27/06/2011	JamesDavison	628695	7077386	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	B	40	Moist	Good	ForestBlackSpruce
106038	27/06/2011	JamesDavison	628759	7077461	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Moist	Good	BurnOld
106039	27/06/2011	JamesDavison	628848	7077521	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	30	Moist	Excellent	BurnOld
106040	27/06/2011	JamesDavison	628955	7077625	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	BurnOld
106042	27/06/2011	JamesDavison	629069	7077729	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	30	Moist	Excellent	BurnOld
106043	27/06/2011	JamesDavison	629143	7077784	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Excellent	BurnOld
106044	27/06/2011	JamesDavison	629254	7077882	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Moist	Excellent	BurnOld
106045	27/06/2011	JamesDavison	629343	7077950	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	30	Moist	Excellent	BurnOld
107300	24/06/2011	RandyCampbell	637778	7064725	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	40	Dry	Good	ForestMixed
107301	24/06/2011	RandyCampbell	637823	7064781	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	ForestMixed
107302	24/06/2011	RandyCampbell	637841	7064820	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Moist	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
107303	24/06/2011	RandyCampbell	637866	7064861	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist	Good	ForestMixed
107304	24/06/2011	RandyCampbell	637886	7064906	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Moist	Good	ForestMixed
107305	24/06/2011	RandyCampbell	637918	7064941	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
107306	24/06/2011	RandyCampbell	637929	7064984	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
107307	24/06/2011	RandyCampbell	637958	7065032	UTMZ7N_WGS84	Colluvium	Yellow	Sand	ModerateN	C	60	Moist	Excellent	ForestMixed
107308	24/06/2011	RandyCampbell	637977	7065078	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Moist	Good	ForestMixed
107309	24/06/2011	RandyCampbell	638007	7065123	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Moist	Excellent	ForestMixed
107310	24/06/2011	RandyCampbell	638033	7065160	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	60	Moist	Good	ForestMixed
107311	24/06/2011	RandyCampbell	638054	7065205	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	80	Moist	Excellent	ForestMixed
107312	24/06/2011	RandyCampbell	638105	7065238	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Moist	Good	ForestMixed
107313	24/06/2011	RandyCampbell	638134	7065277	UTMZ7N_WGS84	Colluvium	Tan	Sand	Flat	C	60	Dry	Excellent	ForestMixed
107314	24/06/2011	RandyCampbell	638163	7065320	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	60	Dry	Excellent	ForestMixed
107315	24/06/2011	RandyCampbell	638201	7065352	UTMZ7N_WGS84	Colluvium	Yellow	Sand	Flat	C	80	Dry	Excellent	ForestMixed
107316	24/06/2011	RandyCampbell	638237	7065396	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Excellent	ForestMixed
107317	24/06/2011	RandyCampbell	638264	7065431	UTMZ7N_WGS84	Colluvium	Brown	Clay	Flat	B	50	Moist	Good	ForestMixed
107318	24/06/2011	RandyCampbell	638248	7065454	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Dry	Excellent	ForestMixed
107319	24/06/2011	RandyCampbell	638218	7065486	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	80	Moist	Excellent	ForestMixed
107320	24/06/2011	RandyCampbell	638174	7065501	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Flat	C	70	Moist	Good	ForestMixed
107321	24/06/2011	RandyCampbell	638071	7065567	UTMZ7N_WGS84	Soil	BrownDark	Clay	Flat	B	60	Moist	Good	ForestMixed
107322	24/06/2011	RandyCampbell	638049	7065594	UTMZ7N_WGS84	Soil	BrownDark	Clay	Flat	B	70	Wet	Poor	ForestMixed
107323	24/06/2011	RandyCampbell	637965	7065649	UTMZ7N_WGS84	Soil	Brown	Clay	Flat	B	60	Moist	Good	ForestMixed
107324	24/06/2011	RandyCampbell	637926	7065680	UTMZ7N_WGS84	Soil	Grey	Clay	Flat	C	70	Moist	Good	ForestMixed
107325	24/06/2011	RandyCampbell	637828	7065729	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Moist	Good	ForestMixed
107326	24/06/2011	RandyCampbell	637786	7065745	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	60	Moist	Good	ForestMixed
107327	24/06/2011	RandyCampbell	637688	7065778	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
107328	24/06/2011	RandyCampbell	637644	7065804	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	60	Moist	Excellent	ForestMixed
107329	25/06/2011	RandyCampbell	633372	7066655	UTMZ7N_WGS84	Soil	Brown	Clay	RidgeAlpine	B	70	Moist	Poor	AlpineBare
107330	25/06/2011	RandyCampbell	633328	7066665	UTMZ7N_WGS84	Soil	Brown	Silt	RidgeAlpine	B	40	Moist	Good	AlpineBare
107331	25/06/2011	RandyCampbell	633272	7066707	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Moist	Good	AlpineBare
107332	25/06/2011	RandyCampbell	633185	7066736	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Moist	Good	AlpineBare
107333	25/06/2011	RandyCampbell	633103	7066782	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Moist	Good	AlpineBare
107334	25/06/2011	RandyCampbell	633058	7066800	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Moist	Good	AlpineBare
107335	25/06/2011	RandyCampbell	633011	7066817	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Good	AlpineBare
107336	25/06/2011	RandyCampbell	632968	7066844	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Dry	Good	AlpineBare
107337	25/06/2011	RandyCampbell	632928	7066873	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Moist	Good	AlpineBare
107338	25/06/2011	RandyCampbell	632873	7066893	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Good	AlpineBare
107339	25/06/2011	RandyCampbell	632824	7066919	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Good	AlpineBare
107341	25/06/2011	RandyCampbell	632752	7066961	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	40	Moist	Good	AlpineBare
107342	25/06/2011	RandyCampbell	632661	7067015	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Moist	Good	AlpineBare
107343	25/06/2011	RandyCampbell	632619	7067049	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	30	Moist	Poor	ForestMixed
107344	25/06/2011	RandyCampbell	632573	7067068	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
107345	25/06/2011	RandyCampbell	632441	7067135	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Moist	Good	ForestMixed
107346	25/06/2011	RandyCampbell	632392	7067139	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Good	ForestMixed
107347	25/06/2011	RandyCampbell	632341	7067156	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	50	Moist	Good	ForestMixed
107348	25/06/2011	RandyCampbell	632299	7067173	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	30	Dry	Good	ForestMixed
107349	25/06/2011	RandyCampbell	632238	7067182	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Moist	Good	ForestMixed
107350	25/06/2011	RandyCampbell	632200	7067188	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
107351	25/06/2011	RandyCampbell	632151	7067200	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	60	Moist	Good	ForestMixed
107352	25/06/2011	RandyCampbell	632102	7067217	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Moist	Good	ForestMixed
107353	25/06/2011	RandyCampbell	632058	7067232	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	40	Dry	Good	ForestMixed
107354	25/06/2011	RandyCampbell	632008	7067240	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Moist	Good	ForestMixed
107355	25/06/2011	RandyCampbell	631960	7067253	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	50	Dry	Good	ForestMixed
107356	25/06/2011	RandyCampbell	631910	7067268	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
107357	25/06/2011	RandyCampbell	631861	7067276	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	50	Dry	Good	ForestMixed
107358	26/06/2011	RandyCampbell	630678	7064766	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
107359	26/06/2011	RandyCampbell	630720	7064742	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
107360	26/06/2011	RandyCampbell	630761	7064723	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestMixed
107361	26/06/2011	RandyCampbell	630805	7064692	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	B	30	Moist	Good	ForestMixed
107362	26/06/2011	RandyCampbell	630855	7064671	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
107363	26/06/2011	RandyCampbell	630898	7064647	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
107364	26/06/2011	RandyCampbell	630940	7064619	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	50	Moist	Good	ForestMixed
107365	26/06/2011	RandyCampbell	630977	7064596	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Moist	Good	ForestMixed
107366	26/06/2011	RandyCampbell	631009	7064554	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Moist	Good	ForestMixed
107367	26/06/2011	RandyCampbell	631040	7064510	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestMixed
107368	26/06/2011	RandyCampbell	631075	7064476	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Good	ForestMixed
107369	26/06/2011	RandyCampbell	631157	7064432	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Good	ForestMixed
107370	26/06/2011	RandyCampbell	631212	7064417	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
107371	26/06/2011	RandyCampbell	631254	7064417	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
107372	26/06/2011	RandyCampbell	631305	7064431	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
107373	26/06/2011	RandyCampbell	631347	7064456	UTMZ7N_WGS84	Colluvium	Red	Silt	Ridge	B	40	Dry	Good	ForestMixed
107374	26/06/2011	RandyCampbell	631396	7064476	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
107375	26/06/2011	RandyCampbell	631434	7064507	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	B	40	Dry	Good	ForestMixed
107376	26/06/2011	RandyCampbell	631481	7064526	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
107377	26/06/2011	RandyCampbell	631527	7064551	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
107378	26/06/2011	RandyCampbell	631576	7064570	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
107379	26/06/2011	RandyCampbell	631607	7064604	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
107380	26/06/2011	RandyCampbell	631643	7064637	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Dry	Good	ForestMixed
107381	26/06/2011	RandyCampbell	631723	7064696	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	60	Moist	Good	ForestMixed
107382	26/06/2011	RandyCampbell	631765	7064714	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
107383	26/06/2011	RandyCampbell	631814	7064734	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Moist	Good	ForestMixed
107384	26/06/2011	RandyCampbell	631789	7064791	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	60	Dry	Good	ForestMixed
107385	26/06/2011	RandyCampbell	631764	7064832	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Moist	Good	ForestMixed
107386	26/06/2011	RandyCampbell	631717	7064922	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	50	Moist	Good	ForestMixed
107387	26/06/2011	RandyCampbell	631684	7064956	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	50	Moist	Good	ForestMixed
107388	26/06/2011	RandyCampbell	631663	7065003	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
107389	26/06/2011	RandyCampbell	631631	7065050	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	60	Moist	Good	ForestMixed
107391	26/06/2011	RandyCampbell	631598	7065079	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
107392	26/06/2011	RandyCampbell	631562	7065108	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	B	40	Moist	Good	ForestMixed
107393	26/06/2011	RandyCampbell	631519	7065143	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
107394	26/06/2011	RandyCampbell	631483	7065183	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Good	ForestMixed
107395	26/06/2011	RandyCampbell	631452	7065215	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Good	ForestMixed
107396	26/06/2011	RandyCampbell	631411	7065251	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
107397	26/06/2011	RandyCampbell	631379	7065274	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
107398	27/06/2011	RandyCampbell	628879	7075776	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	50	Moist	Good	ForestBlackSpruce
107399	27/06/2011	RandyCampbell	628958	7075802	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Moist	Good	ForestBlackSpruce
107400	27/06/2011	RandyCampbell	629011	7075815	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Moist	Good	ForestBlackSpruce
107401	27/06/2011	RandyCampbell	629107	7075828	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Good	BurnOld
107402	27/06/2011	RandyCampbell	629152	7075838	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Good	BurnOld
107403	27/06/2011	RandyCampbell	629211	7075853	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	50	Dry	Good	BurnOld
107404	27/06/2011	RandyCampbell	629253	7075863	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	50	Dry	Good	BurnOld
107405	27/06/2011	RandyCampbell	629301	7075873	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	BurnOld
107406	27/06/2011	RandyCampbell	629356	7075883	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	60	Dry	Good	BurnOld
107407	27/06/2011	RandyCampbell	629399	7075896	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Dry	Good	BurnOld
107408	27/06/2011	RandyCampbell	629443	7075921	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateN	C	40	Dry	Good	BurnOld
107409	27/06/2011	RandyCampbell	629479	7075951	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	C	60	Dry	Good	BurnOld
107410	27/06/2011	RandyCampbell	629520	7075977	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	C	70	Dry	Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
107411	27/06/2011	RandyCampbell	629570	7076002	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	C	80	Dry	Good	BurnOld
107412	27/06/2011	RandyCampbell	629612	7076032	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	50	Moist	Good	BurnOld
107413	27/06/2011	RandyCampbell	629651	7076054	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Dry	Good	BurnOld
107414	27/06/2011	RandyCampbell	629698	7076085	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	40	Moist	Good	BurnOld
107415	27/06/2011	RandyCampbell	629741	7076169	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	60	Dry	Good	BurnOld
107416	27/06/2011	RandyCampbell	629776	7076212	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	60	Dry	Good	BurnOld
107417	27/06/2011	RandyCampbell	629809	7076254	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	60	Dry	Good	BurnOld
107418	27/06/2011	RandyCampbell	629828	7076299	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Dry	Good	BurnOld
107419	27/06/2011	RandyCampbell	629853	7076338	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	50	Dry	Good	BurnOld
107420	27/06/2011	RandyCampbell	629886	7076382	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	40	Dry	Good	BurnOld
107421	27/06/2011	RandyCampbell	629899	7076426	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateS	C	50	Dry	Good	BurnOld
107422	27/06/2011	RandyCampbell	629931	7076458	UTMZ7N_WGS84	Colluvium	Tan	Sand	Flat	C	50	Dry	Good	BurnOld
107423	27/06/2011	RandyCampbell	629957	7076511	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Good	BurnOld
107424	27/06/2011	RandyCampbell	629987	7076545	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Good	BurnOld
107425	27/06/2011	RandyCampbell	630006	7076591	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Dry	Good	BurnOld
107426	27/06/2011	RandyCampbell	630044	7076620	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	30	Dry	Good	BurnOld
107427	27/06/2011	RandyCampbell	630076	7076668	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	50	Dry	Good	BurnOld
107428	28/06/2011	RandyCampbell	625512	7079426	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
107429	28/06/2011	RandyCampbell	625476	7079372	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
107430	28/06/2011	RandyCampbell	625543	7079462	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Poor	ForestMixed
107431	28/06/2011	RandyCampbell	625608	7079535	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Moist	Poor	ForestMixed
107432	28/06/2011	RandyCampbell	625642	7079572	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Moist	Good	ForestMixed
107433	28/06/2011	RandyCampbell	625665	7079618	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	B	40	Moist	Good	ForestMixed
107434	28/06/2011	RandyCampbell	625724	7079692	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestMixed
107435	28/06/2011	RandyCampbell	625779	7079786	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
107436	28/06/2011	RandyCampbell	625806	7079822	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	B	30	Moist	Good	BurnOld
107437	28/06/2011	RandyCampbell	625832	7079859	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Poor	BurnOld
107438	28/06/2011	RandyCampbell	625848	7079913	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	70	Dry	Good	BurnOld
107439	28/06/2011	RandyCampbell	625879	7079949	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	B	30	Moist	Poor	BurnOld
107441	28/06/2011	RandyCampbell	625917	7080038	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	60	Moist	Poor	BurnOld
107442	28/06/2011	RandyCampbell	625981	7080130	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	30	Moist	Poor	ForestMixed
107443	28/06/2011	RandyCampbell	626000	7080162	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	40	Dry	Good	ForestMixed
107444	28/06/2011	RandyCampbell	626027	7080211	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	30	Moist	Poor	ForestMixed
107445	28/06/2011	RandyCampbell	626054	7080266	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestMixed
107446	28/06/2011	RandyCampbell	626094	7080346	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
107447	28/06/2011	RandyCampbell	626152	7080484	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	20	Moist	Poor	ForestMixed
107448	28/06/2011	RandyCampbell	626174	7080532	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
107449	28/06/2011	RandyCampbell	626195	7080577	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
107450	28/06/2011	RandyCampbell	626217	7080615	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	40	Moist	Good	ForestMixed
107451	29/06/2011	RandyCampbell	625705	7080076	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	30	Moist	Good	ForestMixed
107452	29/06/2011	RandyCampbell	625697	7079986	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	40	Moist	Good	ForestMixed
107453	29/06/2011	RandyCampbell	625683	7079888	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	50	Moist	Good	ForestMixed
107454	29/06/2011	RandyCampbell	625702	7079782	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	60	Moist	Good	ForestMixed
107455	29/06/2011	RandyCampbell	625393	7079348	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	B	30	Moist	Good	ForestMixed
107456	29/06/2011	RandyCampbell	625304	7079306	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	B	40	Moist	Poor	ForestMixed
107457	29/06/2011	RandyCampbell	625222	7079247	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	60	Dry	Good	ForestMixed
107458	29/06/2011	RandyCampbell	625130	7079205	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	60	Dry	Good	ForestMixed
107459	29/06/2011	RandyCampbell	625050	7079145	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	40	Dry	Good	ForestMixed
107460	29/06/2011	RandyCampbell	624610	7078989	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	40	Dry	Good	ForestMixed
107461	29/06/2011	RandyCampbell	624616	7078943	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	40	Moist	Good	ForestMixed
107462	29/06/2011	RandyCampbell	624631	7078887	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	40	Dry	Good	ForestMixed
107463	29/06/2011	RandyCampbell	624654	7078839	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Good	ForestMixed
107464	29/06/2011	RandyCampbell	624658	7078791	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	40	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
107465	29/06/2011	RandyCampbell	624670	7078741	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Good	ForestMixed
107466	29/06/2011	RandyCampbell	624685	7078696	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateSE	C	40	Dry	Good	ForestMixed
107467	29/06/2011	RandyCampbell	624701	7078655	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Good	ForestMixed
107468	29/06/2011	RandyCampbell	624694	7078589	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	40	Dry	Good	BurnOld
107469	29/06/2011	RandyCampbell	624732	7078551	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Dry	Good	BurnOld
107470	29/06/2011	RandyCampbell	624740	7078494	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	40	Moist	Good	BurnOld
107471	29/06/2011	RandyCampbell	624735	7078456	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	40	Moist	Good	BurnOld
108398	24/06/2011	BenDubois	637674	7064687	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	30	Dry	Good	SubAlpineBrush
108399	24/06/2011	BenDubois	637582	7064673	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	SubAlpineBrush
108401	24/06/2011	BenDubois	637465	7064681	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	40	Dry	Good	SubAlpineBrush
108402	24/06/2011	BenDubois	637379	7064686	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Moist	Good	SubAlpineBrush
108403	24/06/2011	BenDubois	637277	7064670	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateS	C	80	Moist	Excellent	SubAlpineBrush
108404	24/06/2011	BenDubois	637164	7064679	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	60	Dry	Good	SubAlpineBrush
108405	24/06/2011	BenDubois	637080	7064691	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Good	SubAlpineBrush
108406	24/06/2011	BenDubois	636985	7064690	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Moist	Good	SubAlpineBrush
108407	24/06/2011	BenDubois	636958	7064738	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	SubAlpineBrush
108408	24/06/2011	BenDubois	636989	7064784	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Moist	Good	SubAlpineBrush
108409	24/06/2011	BenDubois	637008	7064820	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist	Good	SubAlpineBrush
108410	24/06/2011	BenDubois	637020	7064860	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist	Good	SubAlpineBrush
108411	24/06/2011	BenDubois	637051	7064910	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Moist	Good	SubAlpineBrush
108412	24/06/2011	BenDubois	637080	7064959	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Moist	Good	SubAlpineBrush
108413	24/06/2011	BenDubois	637110	7064998	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist	Good	SubAlpineBrush
108414	24/06/2011	BenDubois	637139	7065036	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Moist	Good	SubAlpineBrush
108415	24/06/2011	BenDubois	637171	7065078	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Moist	Good	SubAlpineBrush
108416	24/06/2011	BenDubois	637193	7065115	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	50	Moist	Good	SubAlpineBrush
108417	24/06/2011	BenDubois	637212	7065159	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Moist	Good	BurnOld
108418	24/06/2011	BenDubois	637213	7065215	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Moist	Good	BurnOld
108419	24/06/2011	BenDubois	637220	7065268	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	60	Moist	Excellent	BurnOld
108420	24/06/2011	BenDubois	637219	7065321	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	C	40	Moist	Good	BurnOld
108421	24/06/2011	BenDubois	637554	7065843	UTMZ7N_WGS84	Lacustrian	BrownDark	Silt	Flat	B	80	Moist	Good	BurnOld
108422	24/06/2011	BenDubois	637596	7065810	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateNW	C	60	Moist	Good	BurnOld
108423	25/06/2011	BenDubois	632220	7068774	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	40	Wet	Good	SubAlpineBrush
108424	25/06/2011	BenDubois	632185	7068735	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	30	Wet	Poor	SubAlpineBrush
108425	25/06/2011	BenDubois	632144	7068706	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	60	Wet	Good	SubAlpineBrush
108426	25/06/2011	BenDubois	631620	7069139	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	30	Moist	Good	SubAlpineBrush
108427	25/06/2011	BenDubois	631660	7069095	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Poor	SubAlpineBrush
108428	25/06/2011	BenDubois	631682	7069038	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	40	Moist	Good	SubAlpineBrush
108429	25/06/2011	BenDubois	631700	7069002	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	30	Moist	Poor	SubAlpineBrush
108430	25/06/2011	BenDubois	631729	7068958	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateNW	C	30	Dry	Poor	SubAlpineBrush
108431	25/06/2011	BenDubois	631760	7068917	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	40	Moist	Good	SubAlpineBrush
108432	25/06/2011	BenDubois	631788	7068877	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	40	Moist	Good	SubAlpineBrush
108433	25/06/2011	BenDubois	631822	7068836	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	80	Moist	Good	SubAlpineBrush
108434	25/06/2011	BenDubois	631867	7068836	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	60	Moist	Good	SubAlpineBrush
108435	25/06/2011	BenDubois	631903	7068821	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	40	Moist	Good	SubAlpineBrush
108436	25/06/2011	BenDubois	631948	7068782	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	60	Moist	Poor	SubAlpineBrush
108437	25/06/2011	BenDubois	632013	7068760	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	60	Moist	Good	SubAlpineBrush
108438	25/06/2011	BenDubois	632070	7068714	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	60	Moist	Good	SubAlpineBrush
108439	25/06/2011	BenDubois	632113	7068671	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	60	Moist	Good	SubAlpineBrush
108441	25/06/2011	BenDubois	632058	7068630	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Moist	Good	SubAlpineBrush
108442	25/06/2011	BenDubois	632023	7068610	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateS	C	40	Dry	Good	SubAlpineBrush
108443	25/06/2011	BenDubois	631996	7068576	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Moist	Good	BurnOld
108444	25/06/2011	BenDubois	631951	7068540	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	40	Moist	Good	BurnOld
108445	25/06/2011	BenDubois	631933	7068488	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	30	Dry	Good	BurnOld

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108446	25/06/2011	BenDubois	631883	7068457	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Moist	Poor	BurnOld
108447	25/06/2011	BenDubois	631838	7068423	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Moist	Good	BurnOld
108448	25/06/2011	BenDubois	631799	7068388	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	C	20	Moist	Good	BurnOld
108449	25/06/2011	BenDubois	631777	7068348	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	60	Moist	Good	BurnOld
108450	25/06/2011	BenDubois	631731	7068321	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	40	Moist	Good	BurnOld
108451	25/06/2011	BenDubois	631686	7068304	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	40	Moist	Good	BurnOld
108452	25/06/2011	BenDubois	631667	7068256	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Moist	Poor	BurnOld
108453	25/06/2011	BenDubois	631630	7068215	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Moist	Poor	BurnOld
108454	25/06/2011	BenDubois	631588	7068199	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	ModerateE	C	30	Moist	Poor	BurnOld
108455	25/06/2011	BenDubois	631541	7068180	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	BurnOld
108456	25/06/2011	BenDubois	631480	7068155	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSE	B	30	Dry	Poor	BurnOld
108457	25/06/2011	BenDubois	631468	7068113	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSE	B	30	Moist	Poor	DrainageAlder
108458	26/06/2011	BenDubois	633432	7063799	UTMZ7N_WGS84	Soil	Brown	Gravel	Ridge	B	20	Moist	Poor	BurnOld
108459	26/06/2011	BenDubois	633386	7063782	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	B	50	Moist	Good	SubAlpineBrush
108460	26/06/2011	BenDubois	633362	7063733	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	ModerateSW	C	20	Moist	Poor	SubAlpineBrush
108461	26/06/2011	BenDubois	633327	7063695	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Good	SubAlpineBrush
108462	26/06/2011	BenDubois	633308	7063650	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	B	40	Moist	Poor	SubAlpineBrush
108463	26/06/2011	BenDubois	633294	7063604	UTMZ7N_WGS84									
108464	26/06/2011	BenDubois	633249	7063553	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateSW	C	30	Moist	Good	SubAlpineBrush
108465	26/06/2011	BenDubois	633230	7063511	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Moist	Good	SubAlpineBrush
108466	26/06/2011	BenDubois	633212	7063455	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Moist	Good	SubAlpineBrush
108467	26/06/2011	BenDubois	633190	7063415	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	20	Moist	Good	SubAlpineBrush
108468	26/06/2011	BenDubois	633179	7063372	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Moist	Good	SubAlpineBrush
108469	26/06/2011	BenDubois	633167	7063322	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	30	Moist	Good	SubAlpineBrush
108470	26/06/2011	BenDubois	633144	7063275	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Moist	Good	SubAlpineBrush
108471	26/06/2011	BenDubois	633119	7063224	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	30	Moist	Good	SubAlpineBrush
108472	26/06/2011	BenDubois	633104	7063197	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	30	Moist	Poor	SubAlpineBrush
108473	26/06/2011	BenDubois	633082	7063131	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Moist	Good	SubAlpineBrush
108474	26/06/2011	BenDubois	633075	7063093	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Moist	Poor	ForestAspen
108475	26/06/2011	BenDubois	633023	7063060	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Moist	Good	ForestAspen
108476	26/06/2011	BenDubois	632994	7063029	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Good	ForestAspen
108477	26/06/2011	BenDubois	632962	7062988	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Moist	Good	ForestAspen
108478	26/06/2011	BenDubois	632925	7062948	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	20	Moist	Poor	ForestAspen
108479	26/06/2011	BenDubois	632889	7062905	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	B	20	Moist	Poor	ForestAspen
108480	26/06/2011	BenDubois	632855	7062880	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Moist	Good	ForestAspen
108481	26/06/2011	BenDubois	632815	7062846	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Moist	Good	ForestAspen
108482	26/06/2011	BenDubois	632773	7062813	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Moist	Good	ForestAspen
108483	26/06/2011	BenDubois	632750	7062779	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	50	Moist	Good	ForestAspen
108484	26/06/2011	BenDubois	632725	7062730	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	B	30	Moist	Good	ForestAspen
108485	26/06/2011	BenDubois	632701	7062672	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Moist	Good	ForestAspen
108486	26/06/2011	BenDubois	632682	7062635	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Good	ForestAspen
108487	26/06/2011	BenDubois	632669	7062599	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Moist	Good	ForestAspen
108488	26/06/2011	BenDubois	632670	7062538	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Moist	Good	ForestAspen
108489	26/06/2011	BenDubois	632633	7062493	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	80	Dry	Excellent	ForestAspen
108491	26/06/2011	BenDubois	632619	7062448	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	60	Dry	Excellent	ForestAspen
108492	26/06/2011	BenDubois	632591	7062412	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	50	Dry	Excellent	ForestAspen
108493	26/06/2011	BenDubois	632566	7062366	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Moist	Good	ForestAspen
108494	26/06/2011	BenDubois	632569	7062314	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	30	Moist	Good	ForestAspen
108495	26/06/2011	BenDubois	632548	7062276	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSW	C	30	Dry	Poor	ForestAspen
108496	26/06/2011	BenDubois	632540	7062217	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	20	Dry	Poor	ForestAspen
108497	27/06/2011	BenDubois	628871	7069444	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	60	Dry	Excellent	ForestAspen
108498	27/06/2011	BenDubois	628804	7069422	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	30	Moist	Good	ForestAspen
108499	27/06/2011	BenDubois	628763	7069400	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	30	Dry	Good	ForestAspen

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108501	27/06/2011	BenDubois	628720	7069394	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	30	Dry	Poor	ForestAspen
108502	27/06/2011	BenDubois	628670	7069373	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestAspen
108503	27/06/2011	BenDubois	628628	7069328	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	20	Dry	Poor	ForestAspen
108504	27/06/2011	BenDubois	628603	7069305	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	20	Moist	Poor	ForestAspen
108505	27/06/2011	BenDubois	628559	7069272	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Dry	Poor	ForestAspen
108506	27/06/2011	BenDubois	628514	7069242	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Moist	Good	ForestAspen
108507	27/06/2011	BenDubois	628482	7069209	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	40	Dry	Excellent	ForestAspen
108508	27/06/2011	BenDubois	628434	7069186	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Good	ForestAspen
108509	27/06/2011	BenDubois	628400	7069159	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestAspen
108510	27/06/2011	BenDubois	628372	7069118	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	40	Dry	Poor	ForestAspen
108511	27/06/2011	BenDubois	628325	7069093	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Dry	Excellent	ForestAspen
108512	27/06/2011	BenDubois	628279	7069070	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestAspen
108513	27/06/2011	BenDubois	628228	7069057	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Ridge	C	40	Dry	Poor	ForestAspen
108514	27/06/2011	BenDubois	628189	7069022	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	30	Dry	Good	ForestAspen
108515	27/06/2011	BenDubois	628129	7069002	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	40	Dry	Poor	ForestAspen
108516	27/06/2011	BenDubois	628097	7068922	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	20	Dry	Poor	ForestAspen
108517	27/06/2011	BenDubois	628082	7068884	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Ridge	B	20	Dry	Poor	ForestAspen
108518	27/06/2011	BenDubois	628040	7068843	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateS	C	30	Dry	Poor	ForestMixed
108519	27/06/2011	BenDubois	628000	7068819	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
108520	27/06/2011	BenDubois	627973	7068776	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
108521	27/06/2011	BenDubois	627929	7068755	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestAspen
108522	27/06/2011	BenDubois	627899	7068704	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	50	Dry	Good	ForestAspen
108523	27/06/2011	BenDubois	627831	7068709	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	50	Dry	Excellent	ForestAspen
108524	27/06/2011	BenDubois	627798	7068665	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Ridge	C	40	Dry	Poor	ForestAspen
108525	27/06/2011	BenDubois	627760	7068640	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
108526	27/06/2011	BenDubois	627726	7068609	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	C	40	Dry	Good	ForestAspen
108527	27/06/2011	BenDubois	627676	7068581	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestAspen
108528	27/06/2011	BenDubois	627658	7068528	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestAspen
108529	27/06/2011	BenDubois	627645	7068474	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	ModerateSE	C	20	Dry	Poor	ForestAspen
108530	27/06/2011	BenDubois	627616	7068440	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Dry	Excellent	ForestAspen
108531	27/06/2011	BenDubois	627597	7068400	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	60	Dry	Excellent	ForestAspen
108532	27/06/2011	BenDubois	627586	7068347	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	60	Dry	Excellent	ForestAspen
108533	27/06/2011	BenDubois	627545	7068294	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	80	Moist	Excellent	ForestAspen
108534	27/06/2011	BenDubois	627537	7068245	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestAspen
108535	27/06/2011	BenDubois	627501	7068205	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
108536	27/06/2011	BenDubois	627483	7068147	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Dry	Good	ForestMixed
108537	28/06/2011	BenDubois	627065	7073600	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	80	Moist	Excellent	BurnOld
108538	28/06/2011	BenDubois	627008	7073602	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Moist	Good	BurnNew
108539	28/06/2011	BenDubois	626985	7073563	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Dry	Poor	BurnNew
108541	28/06/2011	BenDubois	626934	7073540	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Good	BurnNew
108542	28/06/2011	BenDubois	626892	7073512	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Good	BurnNew
108543	28/06/2011	BenDubois	626839	7073497	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	100	Dry	Excellent	BurnNew
108544	28/06/2011	BenDubois	626790	7073468	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Flat	C	30	Dry	Poor	BurnNew
108545	28/06/2011	BenDubois	626750	7073450	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Flat	C	40	Moist	Poor	BurnNew
108546	28/06/2011	BenDubois	626715	7073400	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Flat	C	30	Dry	Poor	BurnNew
108547	28/06/2011	BenDubois	626668	7073392	UTMZ7N_WGS84	Lithosoil	BrownLight	Gravel	Flat	C	40	Dry	Good	BurnNew
108548	28/06/2011	BenDubois	626623	7073362	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	60	Dry	Excellent	BurnNew
108549	28/06/2011	BenDubois	626596	7073326	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Flat	C	40	Dry	Good	BurnNew
108550	28/06/2011	BenDubois	626547	7073309	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Dry	Good	BurnNew
108551	28/06/2011	BenDubois	626505	7073276	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	60	Moist	Good	BurnNew
108552	28/06/2011	BenDubois	626451	7073287	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	60	Dry	Excellent	BurnNew
108553	28/06/2011	BenDubois	626413	7073281	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	70	Moist	Good	BurnNew
108554	28/06/2011	BenDubois	626356	7073277	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	100	Moist	Excellent	BurnNew

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108555	28/06/2011	BenDubois	626307	7073284	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	110	Moist	Excellent	BurnNew
108556	28/06/2011	BenDubois	626258	7073247	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	C	120	Moist	Good	BurnNew
108557	28/06/2011	BenDubois	626226	7073238	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	80	Moist	Good	BurnNew
108558	28/06/2011	BenDubois	626165	7073222	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	80	Moist	Good	BurnNew
108559	28/06/2011	BenDubois	626119	7073197	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	120	Moist	Good	BurnNew
108563	29/06/2011	BenDubois	623289	7081821	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Dry	Good	SubAlpineBrush
108564	29/06/2011	BenDubois	623199	7081822	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Dry	Good	SubAlpineBrush
108565	29/06/2011	BenDubois	623092	7081829	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Dry	Good	SubAlpineBrush
108566	29/06/2011	BenDubois	622990	7081840	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Moist	Good	SubAlpineBrush
108567	29/06/2011	BenDubois	622884	7081836	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	50	Frozen	Poor	ForestMixed
108568	29/06/2011	BenDubois	622794	7081821	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	50	Moist	Poor	ForestMixed
108569	29/06/2011	BenDubois	622691	7081797	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Dry	Excellent	ForestMixed
108570	29/06/2011	BenDubois	622601	7081781	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
108571	29/06/2011	BenDubois	622486	7081775	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	70	Dry	Excellent	ForestMixed
108572	29/06/2011	BenDubois	622404	7081741	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Dry	Good	ForestMixed
108573	29/06/2011	BenDubois	622282	7081755	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Dry	Excellent	ForestMixed
108574	29/06/2011	BenDubois	622202	7081748	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Dry	Excellent	ForestMixed
108575	29/06/2011	BenDubois	622097	7081746	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	50	Dry	Good	ForestMixed
108576	29/06/2011	BenDubois	621009	7081685	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	55	Dry	Excellent	ForestMixed
108577	29/06/2011	BenDubois	620963	7081708	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
108578	29/06/2011	BenDubois	620910	7081713	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	45	Dry	Excellent	ForestMixed
108579	29/06/2011	BenDubois	620869	7081715	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
108580	29/06/2011	BenDubois	620816	7081722	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	65	Dry	Excellent	ForestMixed
108581	29/06/2011	BenDubois	620755	7081723	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	60	Dry	Excellent	ForestMixed
108582	29/06/2011	BenDubois	620707	7081741	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	55	Moist	Excellent	ForestMixed
108583	29/06/2011	BenDubois	620650	7081753	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	60	Dry	Excellent	ForestMixed
108584	29/06/2011	BenDubois	620617	7081759	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	70	Dry	Excellent	ForestMixed
108585	29/06/2011	BenDubois	620559	7081768	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	50	Dry	Excellent	ForestMixed
108586	29/06/2011	BenDubois	620513	7081773	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	90	Dry	Excellent	ForestMixed
108587	29/06/2011	BenDubois	620462	7081787	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	60	Moist	Excellent	ForestMixed
108588	29/06/2011	BenDubois	620416	7081794	UTMZ7N_WGS84	Colluvium	Grey	Silt	Flat	C	85	Moist	Excellent	ForestMixed
108589	29/06/2011	BenDubois	620361	7081805	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	65	Dry	Excellent	ForestMixed
108590	29/06/2011	BenDubois	620317	7081820	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	50	Dry	Excellent	ForestMixed
108591	29/06/2011	BenDubois	620262	7081832	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Flat	C	50	Dry	Excellent	ForestMixed
108592	29/06/2011	BenDubois	620214	7081835	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	55	Moist	Good	ForestMixed
108593	29/06/2011	BenDubois	620173	7081852	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
108594	30/06/2011	BenDubois	622421	7082957	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
108595	30/06/2011	BenDubois	622372	7082992	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Excellent	ForestAspen
108596	30/06/2011	BenDubois	622345	7083042	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	ForestAspen
108597	30/06/2011	BenDubois	622300	7083039	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
108598	30/06/2011	BenDubois	622243	7083060	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	60	Dry	Good	ForestAspen
108599	30/06/2011	BenDubois	622188	7083064	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
108600	30/06/2011	BenDubois	622145	7083060	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	30	Dry	Good	ForestMixed
108601	30/06/2011	BenDubois	622097	7083080	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestBirch
108602	30/06/2011	BenDubois	622049	7083061	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Moist	Good	ForestBirch
108603	30/06/2011	BenDubois	621957	7083048	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
108604	30/06/2011	BenDubois	621923	7083032	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Dry	Good	ForestBirch
108605	30/06/2011	BenDubois	621896	7082994	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Dry	Excellent	ForestBirch
108606	30/06/2011	BenDubois	621844	7082989	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
108607	30/06/2011	BenDubois	621799	7082954	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateSW	C	50	Dry	Good	ForestMixed
108608	30/06/2011	BenDubois	621758	7082923	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	60	Dry	Good	ForestMixed
108609	30/06/2011	BenDubois	621708	7082902	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateSW	C	30	Moist	Poor	ForestMixed
108610	30/06/2011	BenDubois	621672	7082867	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	B	50	Moist	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108611	30/06/2011	BenDubois	621622	7082853	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateSW	C	50	Dry	Excellent	ForestMixed
108612	30/06/2011	BenDubois	621585	7082822	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	20	Dry	Poor	ForestMixed
108613	30/06/2011	BenDubois	621538	7082811	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	30	Dry	Good	ForestMixed
108614	30/06/2011	BenDubois	621513	7082767	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateSW	C	50	Dry	Good	ForestMixed
108615	30/06/2011	BenDubois	621451	7082752	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	60	Dry	Good	ForestMixed
108616	30/06/2011	BenDubois	621414	7082726	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	40	Dry	Good	ForestMixed
108617	30/06/2011	BenDubois	621371	7082688	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Moist	Poor	ForestMixed
108618	30/06/2011	BenDubois	621331	7082679	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	60	Dry	Good	ForestMixed
108619	30/06/2011	BenDubois	621277	7082646	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	50	Dry	Excellent	ForestMixed
108620	30/06/2011	BenDubois	621237	7082631	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
108621	30/06/2011	BenDubois	621192	7082597	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	50	Dry	Good	ForestMixed
108622	30/06/2011	BenDubois	621159	7082558	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	30	Dry	Good	ForestMixed
108623	30/06/2011	BenDubois	621109	7082552	UTMZ7N_WGS84	Alluvium	BrownLight	Sand	Flat	C	50	Moist	Excellent	ForestBlackSpruce
109223	20/06/2011	IanLauzon	642022	7059003	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Wet	Poor	AlpineBare
109224	20/06/2011	IanLauzon	641945	7059041	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
109225	20/06/2011	IanLauzon	641903	7059064	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
109226	20/06/2011	IanLauzon	641864	7059097	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	40	Wet	Poor	AlpineBare
109227	20/06/2011	IanLauzon	641792	7059140	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
109228	20/06/2011	IanLauzon	641734	7059163	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	AlpineBare
109229	20/06/2011	IanLauzon	641674	7059179	UTMZ7N_WGS84	Regolith	Orange	Silt	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
109230	20/06/2011	IanLauzon	641627	7059191	UTMZ7N_WGS84	Regolith	RustyOrange	Silt	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
109231	20/06/2011	IanLauzon	641575	7059177	UTMZ7N_WGS84	Colluvium	Tan	Silt	RidgeAlpine	C	50	Dry	Excellent	ForestMixed
109232	20/06/2011	IanLauzon	641494	7059171	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	40	Moist	Poor	ForestBlackSpruce
109234	21/06/2011	IanLauzon	642572	7059658	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	30	Wet	Poor	AlpineBare
109235	21/06/2011	IanLauzon	642389	7059831	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	40	Wet	Poor	ForestBlackSpruce
109236	21/06/2011	IanLauzon	642316	7059902	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	40	Wet	Poor	ForestBlackSpruce
109237	21/06/2011	IanLauzon	642241	7059980	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	40	Moist	Poor	ForestMixed
109238	21/06/2011	IanLauzon	642189	7060009	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Dry	Good	ForestMixed
109239	21/06/2011	IanLauzon	641892	7060200	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
109241	21/06/2011	IanLauzon	641854	7060236	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
109242	21/06/2011	IanLauzon	641814	7060269	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Good	ForestBlackSpruce
109243	21/06/2011	IanLauzon	641541	7060579	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	40	Moist	Good	ForestMixed
109244	22/06/2011	IanLauzon	636109	7066790	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	30	Dry	Good	ForestMixed
109245	22/06/2011	IanLauzon	636152	7066764	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
109246	22/06/2011	IanLauzon	636200	7066762	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	80	Dry	Excellent	DrainageAlder
109247	22/06/2011	IanLauzon	636266	7066769	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	30	Moist	Poor	DrainageAlder
109248	22/06/2011	IanLauzon	636302	7066770	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	40	Dry	Good	DrainageAlder
109249	22/06/2011	IanLauzon	636335	7066745	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateSE	C	40	Dry	Good	DrainageAlder
109250	22/06/2011	IanLauzon	636374	7066731	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	40	Dry	Excellent	DrainageAlder
109251	22/06/2011	IanLauzon	636433	7066724	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	30	Dry	Excellent	DrainageAlder
109252	22/06/2011	IanLauzon	636473	7066700	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	40	Dry	Excellent	DrainageAlder
109253	22/06/2011	IanLauzon	636517	7066675	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	80	Dry	Excellent	DrainageAlder
109254	22/06/2011	IanLauzon	636559	7066641	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	80	Dry	Excellent	DrainageAlder
109255	22/06/2011	IanLauzon	636597	7066608	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	50	Dry	Excellent	DrainageAlder
109256	22/06/2011	IanLauzon	636638	7066578	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	80	Dry	Excellent	DrainageAlder
109257	22/06/2011	IanLauzon	636674	7066552	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	40	Dry	Excellent	DrainageAlder
109258	22/06/2011	IanLauzon	636711	7066512	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSE	C	60	Dry	Excellent	DrainageAlder
109259	22/06/2011	IanLauzon	636752	7066480	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	60	Dry	Excellent	ForestMixed
109260	22/06/2011	IanLauzon	636796	7066467	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	50	Moist	Good	ForestMixed
109261	22/06/2011	IanLauzon	636845	7066428	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	60	Dry	Good	ForestMixed
109262	22/06/2011	IanLauzon	636888	7066387	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateSE	B	50	Frozen	Poor	ForestMixed
109263	23/06/2011	IanLauzon	639106	7063409	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	30	Moist	Good	SubAlpineAlder
109264	24/06/2011	IanLauzon	639024	7063362	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	40	Dry	Excellent	SubAlpineAlder

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
109265	24/06/2011	IanLauzon	638923	7063324	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateNW	C	70	Dry	Excellent	SubAlpineAlder
109266	24/06/2011	IanLauzon	638840	7063284	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	90	Moist	Excellent	ForestMixed
109267	24/06/2011	IanLauzon	638742	7063253	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	50	Dry	Excellent	ForestMixed
109268	24/06/2011	IanLauzon	638646	7063214	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	C	50	Dry	Good	BurnOld
109269	24/06/2011	IanLauzon	638562	7063166	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNE	C	60	Dry	Excellent	BurnOld
109270	24/06/2011	IanLauzon	638464	7063121	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNE	C	40	Dry	Excellent	BurnOld
109271	24/06/2011	IanLauzon	638372	7063087	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
109272	24/06/2011	IanLauzon	638323	7063014	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	C	30	Dry	Good	ForestMixed
109273	24/06/2011	IanLauzon	638359	7062909	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	40	Dry	Excellent	DrainageAlder
109274	24/06/2011	IanLauzon	638287	7063087	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateNE	B	30	Dry	Poor	ForestMixed
109275	24/06/2011	IanLauzon	638250	7063118	UTMZ7N_WGS84	Regolith	BrownLight	Silt	ModerateN	C	20	Dry	Good	ForestMixed
109276	24/06/2011	IanLauzon	638210	7063149	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
109277	24/06/2011	IanLauzon	638173	7063189	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	80	Dry	Excellent	ForestMixed
109278	24/06/2011	IanLauzon	638129	7063219	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	70	Dry	Excellent	ForestMixed
109279	24/06/2011	IanLauzon	638096	7063244	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	60	Dry	Excellent	ForestMixed
109280	24/06/2011	IanLauzon	638064	7063266	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	70	Dry	Excellent	ForestMixed
109281	24/06/2011	IanLauzon	638000	7063284	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	60	Dry	Good	ForestMixed
109282	24/06/2011	IanLauzon	637958	7063291	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	60	Moist	Good	ForestMixed
109283	24/06/2011	IanLauzon	637898	7063334	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
109284	24/06/2011	IanLauzon	637815	7063346	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	40	Dry	Good	ForestMixed
109285	24/06/2011	IanLauzon	637767	7063344	UTMZ7N_WGS84	Colluvium	BrownLight	Sand		C	90	Dry	Good	ForestMixed
109286	25/06/2011	IanLauzon	633164	7069045	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
109287	25/06/2011	IanLauzon	633197	7069067	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
109288	25/06/2011	IanLauzon	633236	7069093	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	40	Dry	Good	AlpineBare
109289	25/06/2011	IanLauzon	633285	7069127	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Frozen	Poor	AlpineBare
109291	25/06/2011	IanLauzon	633314	7069164	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Moist	Poor	SubAlpineBrush
109292	25/06/2011	IanLauzon	633352	7069190	UTMZ7N_WGS84	Regolith	BrownDark	Silt	RidgeAlpine	B	30	Dry	Poor	SubAlpineBrush
109293	25/06/2011	IanLauzon	633422	7069268	UTMZ7N_WGS84	Regolith	BrownLight	Silt	RidgeAlpine	B	40	Moist	Good	SubAlpineBrush
109294	25/06/2011	IanLauzon	633451	7069291	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Moist	Poor	SubAlpineBrush
109295	25/06/2011	IanLauzon	633475	7069325	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Moist	Poor	SubAlpineBrush
109296	25/06/2011	IanLauzon	633505	7069363	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	40	Dry	Poor	SubAlpineBrush
109297	25/06/2011	IanLauzon	633536	7069403	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	40	Dry	Good	SubAlpineBrush
109298	25/06/2011	IanLauzon	633564	7069438	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	40	Dry	Good	SubAlpineBrush
109299	25/06/2011	IanLauzon	633591	7069484	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	60	Moist	Good	SubAlpineBrush
109300	25/06/2011	IanLauzon	633616	7069528	UTMZ7N_WGS84	Colluvium	Orange	Sand	RidgeAlpine	C	60	Dry	Excellent	SubAlpineBrush
109301	25/06/2011	IanLauzon	633640	7069582	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Dry	Poor	SubAlpineBrush
109302	25/06/2011	IanLauzon	633648	7069628	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Dry	Poor	SubAlpineBrush
109303	25/06/2011	IanLauzon	633664	7069670	UTMZ7N_WGS84	Regolith	BrownLight	Silt	RidgeAlpine	B	50	Moist	Poor	SubAlpineBrush
109304	25/06/2011	IanLauzon	633679	7069735	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Dry	Poor	SubAlpineBrush
109305	25/06/2011	IanLauzon	633712	7069779	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	40	Moist	Good	SubAlpineBrush
109306	25/06/2011	IanLauzon	633754	7069829	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Dry	Poor	SubAlpineBrush
109307	25/06/2011	IanLauzon	633785	7069879	UTMZ7N_WGS84	Regolith	Brown	Silt	RidgeAlpine	B	30	Dry	Poor	SubAlpineBrush
109308	25/06/2011	IanLauzon	633816	7069910	UTMZ7N_WGS84	Regolith	BrownLight	Silt	RidgeAlpine	C	40	Dry	Good	SubAlpineBrush
109309	25/06/2011	IanLauzon	633858	7069945	UTMZ7N_WGS84	Regolith	Orange	Sand	RidgeAlpine	C	40	Dry	Excellent	SubAlpineBrush
109310	25/06/2011	IanLauzon	633892	7069995	UTMZ7N_WGS84	Regolith	BrownLight	Sand	RidgeAlpine	C	25	Dry	Good	SubAlpineBrush
109311	25/06/2011	IanLauzon	633928	7070028	UTMZ7N_WGS84	Colluvium	Orange	Silt	RidgeAlpine	C	60	Dry	Excellent	SubAlpineBrush
109312	25/06/2011	IanLauzon	633986	7070044	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	30	Dry	Good	SubAlpineBrush
109313	25/06/2011	IanLauzon	634042	7070079	UTMZ7N_WGS84	Colluvium	Orange	Silt	RidgeAlpine	C	60	Dry	Excellent	SubAlpineBrush
109314	25/06/2011	IanLauzon	634084	7070064	UTMZ7N_WGS84	Regolith	BrownLight	Silt	ModerateW	C	30	Dry	Good	SubAlpineBrush
109315	25/06/2011	IanLauzon	634113	7070055	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateE	C	60	Dry	Excellent	SubAlpineAlder
109316	25/06/2011	IanLauzon	634153	7070037	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateE	C	40	Dry	Excellent	SubAlpineAlder
109317	25/06/2011	IanLauzon	634181	7070029	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	60	Dry	Excellent	ForestAspen
109318	25/06/2011	IanLauzon	634210	7070010	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	40	Dry	Excellent	ForestAspen

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
109319	25/06/2011	IanLauzon	634237	7069989	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Moist	Good	ForestAspen
109320	25/06/2011	IanLauzon	634272	7069961	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	C	60	Dry	Excellent	ForestAspen
109321	26/06/2011	IanLauzon	630653	7068140	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
109322	26/06/2011	IanLauzon	630607	7068116	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	30	Moist	Good	ForestMixed
109323	26/06/2011	IanLauzon	630551	7068084	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Poor	ForestMixed
109324	26/06/2011	IanLauzon	630510	7068065	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	40	Dry	Good	ForestMixed
109325	26/06/2011	IanLauzon	630462	7068028	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	40	Dry	Good	ForestMixed
109326	26/06/2011	IanLauzon	630413	7068012	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	50	Moist	Good	ForestMixed
109327	26/06/2011	IanLauzon	630370	7067992	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
109328	26/06/2011	IanLauzon	630327	7067964	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestMixed
109329	26/06/2011	IanLauzon	630287	7067934	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	40	Moist	Good	ForestMixed
109330	26/06/2011	IanLauzon	630249	7067886	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	C	30	Moist	Poor	ForestMixed
109331	26/06/2011	IanLauzon	630216	7067876	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	40	Dry	Good	ForestMixed
109332	26/06/2011	IanLauzon	630167	7067875	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	C	30	Moist	Good	ForestMixed
109333	26/06/2011	IanLauzon	630118	7067862	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	30	Moist	Good	ForestMixed
109334	26/06/2011	IanLauzon	630064	7067856	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	B	30	Moist	Poor	ForestMixed
109335	26/06/2011	IanLauzon	630012	7067843	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	B	20	Dry	Poor	ForestMixed
109336	26/06/2011	IanLauzon	629958	7067827	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	B	30	Dry	Poor	ForestMixed
109337	26/06/2011	IanLauzon	629927	7067804	UTMZ7N_WGS84	Regolith	Orange	Silt	Ridge	B	30	Dry	Poor	ForestMixed
109338	26/06/2011	IanLauzon	629887	7067802	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	B	20	Dry	Poor	ForestMixed
109339	26/06/2011	IanLauzon	629845	7067778	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	30	Moist	Good	ForestMixed
109341	26/06/2011	IanLauzon	629728	7067794	UTMZ7N_WGS84	Regolith	BrownLight	Silt	Ridge	B	20	Dry	Poor	ForestMixed
109342	26/06/2011	IanLauzon	629684	7067817	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	30	Dry	Good	ForestMixed
109343	26/06/2011	IanLauzon	629640	7067837	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	30	Dry	Good	ForestMixed
109344	26/06/2011	IanLauzon	629598	7067846	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Dry	Poor	ForestMixed
109345	26/06/2011	IanLauzon	629787	7067724	UTMZ7N_WGS84	Regolith	BrownLight	Silt	ModerateSW	B	20	Dry	Poor	ForestMixed
109346	26/06/2011	IanLauzon	629767	7067684	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	B	30	Moist	Poor	ForestMixed
109347	26/06/2011	IanLauzon	629755	7067627	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	30	Dry	Poor	ForestMixed
109348	26/06/2011	IanLauzon	629742	7067586	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
109349	26/06/2011	IanLauzon	629725	7067538	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
109350	26/06/2011	IanLauzon	629709	7067484	UTMZ7N_WGS84	Regolith	BrownLight	Silt	ModerateSW	C	30	Dry	Good	ForestMixed
109351	26/06/2011	IanLauzon	629689	7067436	UTMZ7N_WGS84	Regolith	RustyOrange	Silt	ModerateSW	C	30	Dry	Poor	ForestBlackSpruce
109352	26/06/2011	IanLauzon	629672	7067395	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	C	30	Dry	Excellent	ForestMixed
109353	26/06/2011	IanLauzon	629656	7067334	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
109354	26/06/2011	IanLauzon	629649	7067272	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
109355	27/06/2011	IanLauzon	630181	7065125	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateN	C	50	Dry	Good	ForestMixed
109356	27/06/2011	IanLauzon	630178	7065189	UTMZ7N_WGS84	Regolith	Tan	Silt	ModerateN	C	40	Dry	Good	ForestMixed
109357	27/06/2011	IanLauzon	630163	7065228	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateN	C	40	Wet	Poor	ForestMixed
109358	27/06/2011	IanLauzon	630152	7065325	UTMZ7N_WGS84	Regolith	Tan	Silt	ModerateN	C	60	Wet	Poor	ForestMixed
109359	27/06/2011	IanLauzon	630166	7065371	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateN	B	50	Wet	Poor	ForestMixed
109360	27/06/2011	IanLauzon	630164	7065523	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	30	Wet	Poor	ForestMixed
109361	27/06/2011	IanLauzon	630118	7065820	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	30	Moist	Poor	ForestMixed
109362	27/06/2011	IanLauzon	630131	7065921	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateN	B	40	Moist	Poor	ForestMixed
109363	27/06/2011	IanLauzon	630075	7066166	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateN	B	30	Moist	Poor	ForestMixed
109364	27/06/2011	IanLauzon	630043	7066204	UTMZ7N_WGS84	Lithosoil	Tan	Silt	ModerateN	C	40	Dry	Good	ForestMixed
109365	27/06/2011	IanLauzon	630030	7066258	UTMZ7N_WGS84	Lithosoil	Tan	Silt	ModerateN	C	30	Dry	Good	ForestMixed
109366	27/06/2011	IanLauzon	630012	7066296	UTMZ7N_WGS84	Lithosoil	Tan	Sand	ModerateN	C	30	Dry	Good	ForestMixed
109367	27/06/2011	IanLauzon	629998	7066347	UTMZ7N_WGS84	Regolith	Tan	Sand	ModerateN	C	30	Dry	Good	ForestMixed
109368	27/06/2011	IanLauzon	629968	7066378	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	30	Moist	Poor	ForestMixed
109369	27/06/2011	IanLauzon	629934	7066425	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
109370	27/06/2011	IanLauzon	629899	7066462	UTMZ7N_WGS84	Regolith	Tan	Sand	ModerateNW	C	30	Dry	Good	ForestMixed
109371	27/06/2011	IanLauzon	629884	7066511	UTMZ7N_WGS84	Lithosoil	Tan	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
109372	28/06/2011	IanLauzon	627585	7074193	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	40	Moist	Good	BurnOld

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
109373	28/06/2011	IanLauzon	627527	7074210	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Poor	BurnOld
109374	28/06/2011	IanLauzon	627487	7074226	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Poor	BurnOld
109375	28/06/2011	IanLauzon	627443	7074251	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Poor	BurnOld
109376	28/06/2011	IanLauzon	627399	7074267	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	40	Dry	Good	BurnOld
109377	28/06/2011	IanLauzon	627349	7074280	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Poor	BurnOld
109378	28/06/2011	IanLauzon	627303	7074292	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Poor	BurnOld
109379	28/06/2011	IanLauzon	627245	7074295	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Good	ForestMixed
109380	28/06/2011	IanLauzon	627205	7074304	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	40	Dry	Good	ForestMixed
109381	28/06/2011	IanLauzon	627157	7074301	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
109382	28/06/2011	IanLauzon	627100	7074303	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Poor	ForestMixed
109383	28/06/2011	IanLauzon	627052	7074298	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Poor	ForestMixed
109384	28/06/2011	IanLauzon	627003	7074294	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	B	30	Moist	Poor	ForestMixed
109385	28/06/2011	IanLauzon	626952	7074289	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	B	30	Moist	Poor	ForestMixed
109386	28/06/2011	IanLauzon	626900	7074299	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Ridge	C	40	Dry	Good	ForestMixed
109387	28/06/2011	IanLauzon	626853	7074294	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Ridge	C	30	Dry	Good	ForestMixed
109388	28/06/2011	IanLauzon	626809	7074275	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	30	Dry	Good	ForestMixed
109389	28/06/2011	IanLauzon	626755	7074285	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	40	Dry	Good	ForestMixed
109391	28/06/2011	IanLauzon	626715	7074272	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	40	Dry	Good	ForestMixed
109392	28/06/2011	IanLauzon	626675	7074239	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Dry	Poor	ForestMixed
109393	28/06/2011	IanLauzon	626611	7074213	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
109394	28/06/2011	IanLauzon	626588	7074174	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	30	Dry	Good	ForestMixed
109395	28/06/2011	IanLauzon	626555	7074132	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
109396	28/06/2011	IanLauzon	626538	7074094	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	30	Dry	Good	BurnOld
109397	28/06/2011	IanLauzon	626506	7074058	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	40	Dry	Excellent	BurnOld
109398	28/06/2011	IanLauzon	626471	7074016	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	50	Dry	Excellent	BurnOld
109399	28/06/2011	IanLauzon	626441	7073978	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Flat	C	40	Dry	Excellent	BurnOld
109400	28/06/2011	IanLauzon	626409	7073942	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Flat	C	40	Dry	Good	BurnOld
109401	28/06/2011	IanLauzon	626366	7073935	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	30	Dry	Good	BurnOld
109402	28/06/2011	IanLauzon	626324	7073920	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	60	Dry	Excellent	BurnOld
109403	29/06/2011	IanLauzon	623675	7082192	UTMZ7N_WGS84	Regolith	Brown	Silt	Ridge	B	30	Dry	Poor	SubAlpineAlder
109404	29/06/2011	IanLauzon	623721	7082212	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Moist	Good	SubAlpineAlder
109405	29/06/2011	IanLauzon	623774	7082222	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	40	Dry	Good	SubAlpineAlder
109406	29/06/2011	IanLauzon	623826	7082245	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	40	Dry	Excellent	SubAlpineAlder
109407	29/06/2011	IanLauzon	623878	7082250	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	30	Dry	Poor	ForestMixed
109408	29/06/2011	IanLauzon	623926	7082273	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateE	C	50	Moist	Good	ForestMixed
109409	29/06/2011	IanLauzon	623971	7082299	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Poor	ForestMixed
109410	29/06/2011	IanLauzon	624100	7082325	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	40	Dry	Good	ForestMixed
109411	29/06/2011	IanLauzon	624153	7082327	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
109412	29/06/2011	IanLauzon	624198	7082315	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	20	Moist	Poor	ForestMixed
109413	29/06/2011	IanLauzon	624256	7082300	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	30	Moist	Poor	ForestMixed
109414	29/06/2011	IanLauzon	624304	7082310	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	30	Moist	Poor	ForestMixed
109415	29/06/2011	IanLauzon	624355	7082298	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	30	Moist	Poor	ForestMixed
109416	29/06/2011	IanLauzon	624398	7082290	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
109417	29/06/2011	IanLauzon	624439	7082266	UTMZ7N_WGS84	Regolith	Tan	Sand	ModerateSE	C	40	Dry	Good	ForestMixed
109418	29/06/2011	IanLauzon	624482	7082229	UTMZ7N_WGS84	Colluvium	Yellow	Sand	ModerateSE	C	60	Dry	Good	ForestMixed
109419	29/06/2011	IanLauzon	624517	7082203	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
109420	29/06/2011	IanLauzon	624571	7082158	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
109421	29/06/2011	IanLauzon	624607	7082133	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	40	Dry	Excellent	ForestMixed
109422	29/06/2011	IanLauzon	624635	7082097	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	40	Moist	Poor	ForestMixed
109423	29/06/2011	IanLauzon	624685	7082070	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
109424	29/06/2011	IanLauzon	624737	7082059	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
109425	29/06/2011	IanLauzon	624766	7082035	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	30	Dry	Good	ForestMixed
109426	29/06/2011	IanLauzon	624814	7081997	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
109427	29/06/2011	IanLauzon	624854	7081966	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
109428	29/06/2011	IanLauzon	624897	7081951	UTMZ7N_WGS84	Colluvium	Orange	Sand	SteepSE	C	40	Dry	Excellent	ForestMixed
109429	29/06/2011	IanLauzon	624938	7081918	UTMZ7N_WGS84	Colluvium	Tan	Silt	SteepSE	C	50	Dry	Excellent	ForestMixed
109430	29/06/2011	IanLauzon	624976	7081885	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateSE	C	40	Dry	Excellent	ForestMixed
109431	29/06/2011	IanLauzon	625020	7081827	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateSE	C	50	Dry	Excellent	ForestMixed
109432	29/06/2011	IanLauzon	625050	7081795	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepSE	C	40	Dry	Excellent	ForestMixed
109433	29/06/2011	IanLauzon	625100	7081768	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepSE	C	40	Dry	Excellent	ForestMixed
109434	29/06/2011	IanLauzon	625158	7081738	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSE	C	50	Dry	Excellent	ForestMixed
110310	20/06/2011	JoelDemers	642640	7058341	UTMZ7N_WGS84	Regolith	BrownDark	Silt	CliffBase	B	50	Wet	Poor	AlpineBare
110311	20/06/2011	JoelDemers	642587	7058389	UTMZ7N_WGS84	Regolith	BrownDark	Sand	SteepNW	B	30	Dry	Good	AlpineBare
110312	20/06/2011	JoelDemers	642515	7058432	UTMZ7N_WGS84	Regolith	BrownDark	Silt	SteepNW	B	40	Moist	Poor	AlpineBare
110313	20/06/2011	JoelDemers	642482	7058420	UTMZ7N_WGS84	Soil	BrownDark	Silt	SteepNW	B	30	Wet	Poor	AlpineBare
110314	20/06/2011	JoelDemers	642440	7058384	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	40	Frozen	Good	SubAlpineBrush
110315	20/06/2011	JoelDemers	642384	7058350	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNW	C	40	Frozen	Good	SubAlpineBrush
110316	20/06/2011	JoelDemers	642307	7058357	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	C	40	Wet	Good	SubAlpineBrush
110317	21/06/2011	JoelDemers	640136	7061856	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	30	Dry	Excellent	AlpineBare
110318	21/06/2011	JoelDemers	640155	7061765	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	AlpineBare
110319	21/06/2011	JoelDemers	640181	7061671	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	SubAlpineBrush
110320	21/06/2011	JoelDemers	640213	7061576	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	35	Dry	Excellent	SubAlpineBrush
110321	21/06/2011	JoelDemers	640256	7061484	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
110322	21/06/2011	JoelDemers	640297	7061399	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	25	Dry	Excellent	SubAlpineBrush
110323	21/06/2011	JoelDemers	640325	7061298	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
110324	21/06/2011	JoelDemers	640381	7061250	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
110325	21/06/2011	JoelDemers	640436	7061241	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
110326	21/06/2011	JoelDemers	640494	7061230	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	55	Dry	Excellent	SubAlpineBrush
110327	21/06/2011	JoelDemers	640531	7061217	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	45	Dry	Excellent	SubAlpineBrush
110328	21/06/2011	JoelDemers	640574	7061198	UTMZ7N_WGS84	Colluvium	Grey	Silt	Ridge	C	75	Dry	Excellent	ForestAspen
110329	21/06/2011	JoelDemers	640621	7061173	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	45	Dry	Excellent	SubAlpineAlder
110330	21/06/2011	JoelDemers	640656	7061112	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	55	Dry	Excellent	SubAlpineAlder
110331	21/06/2011	JoelDemers	640699	7061068	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepE	C	55	Dry	Excellent	SubAlpineAlder
110332	21/06/2011	JoelDemers	640747	7061058	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepE	C	60	Dry	Excellent	SubAlpineAlder
110333	21/06/2011	JoelDemers	640794	7061044	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSE	C	60	Dry	Excellent	SubAlpineAlder
110334	21/06/2011	JoelDemers	640838	7061062	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSE	C	40	Dry	Excellent	ForestAspen
110335	21/06/2011	JoelDemers	640893	7061054	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSE	C	25	Dry	Good	ForestAspen
110336	21/06/2011	JoelDemers	640935	7061041	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSE	C	70	Dry	Excellent	ForestAspen
110337	21/06/2011	JoelDemers	640980	7061023	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSE	C	55	Dry	Excellent	ForestAspen
111426	20/06/2011	JordanHarrington	640782	7058057	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	B	40	Frozen	Good	SubAlpineBrush
111427	20/06/2011	JordanHarrington	640782	7058107	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	SteepNW	C	40	Frozen	Good	SubAlpineBrush
111428	20/06/2011	JordanHarrington	640764	7058179	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Frozen	Good	SubAlpineFir
111429	20/06/2011	JordanHarrington	640736	7058221	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	SubAlpineFir
111430	20/06/2011	JordanHarrington	640713	7058293	UTMZ7N_WGS84	Regolith	RustyRed	Silt	Ridge	B	20	Dry	Good	SubAlpineFir
111431	20/06/2011	JordanHarrington	640903	7058189	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	SteepN	C	60	Moist	Good	AlpineBare
111432	20/06/2011	JordanHarrington	640860	7058245	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	80	Wet	Good	SubAlpineBrush
111433	20/06/2011	JordanHarrington	640855	7058282	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	60	Frozen	Good	SubAlpineAlder
111434	20/06/2011	JordanHarrington	640854	7058336	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	20	Frozen	Good	SubAlpineAlder
111435	20/06/2011	JordanHarrington	640897	7058398	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	20	Frozen	Good	SubAlpineAlder
111436	20/06/2011	JordanHarrington	640896	7058441	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	30	Frozen	Good	SubAlpineAlder
111437	20/06/2011	JordanHarrington	640873	7058561	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	30	Wet	Good	ForestMixed
111439	21/06/2011	JordanHarrington	645041	7059568	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	30	Frozen	Good	AlpineBare
111441	21/06/2011	JordanHarrington	644954	7059472	UTMZ7N_WGS84	Regolith	BrownLight	Silt	RidgeAlpine	C	50	Frozen	Good	AlpineBare
111442	21/06/2011	JordanHarrington	644808	7059248	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	30	Frozen	Good	AlpineBare
111443	21/06/2011	JordanHarrington	644517	7059185	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	20	Frozen	Good	AlpineBare
111444	21/06/2011	JordanHarrington	644233	7059382	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNW	B	20	Frozen	Good	SubAlpineBrush

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
111445	21/06/2011	JordanHarrington	644176	7059390	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNW	B	20	Frozen	Good	SubAlpineBrush
111446	21/06/2011	JordanHarrington	644119	7059439	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Frozen	Good	SubAlpineBrush
111447	21/06/2011	JordanHarrington	644079	7059472	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNW	B	30	Frozen	Good	SubAlpineBrush
111448	21/06/2011	JordanHarrington	644056	7059488	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	ModerateNW	C	30	Dry	Good	SubAlpineBrush
111450	21/06/2011	JordanHarrington	643961	7059536	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
111451	21/06/2011	JordanHarrington	643926	7059567	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	B	30	Frozen	Good	ForestMixed
111452	21/06/2011	JordanHarrington	643865	7059595	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	30	Moist	Good	ForestMixed
111453	21/06/2011	JordanHarrington	643839	7059602	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	B	30	Moist	Good	ForestMixed
111454	21/06/2011	JordanHarrington	643779	7059611	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Frozen	Good	ForestMixed
111455	21/06/2011	JordanHarrington	643722	7059618	UTMZ7N_WGS84	Colluvium	Black	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
111457	22/06/2011	JordanHarrington	634379	7064834	UTMZ7N_WGS84	Regolith	Brown	Silt	ModerateSE	C	40	Frozen	Good	SubAlpineBrush
111458	22/06/2011	JordanHarrington	634274	7064943	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSE	B	20	Dry	Good	SubAlpineBrush
111459	22/06/2011	JordanHarrington	634238	7064978	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	20	Moist	Good	SubAlpineBrush
111460	22/06/2011	JordanHarrington	634054	7065209	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSE	B	20	Moist	Good	SubAlpineBrush
111461	22/06/2011	JordanHarrington	634038	7065271	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	30	Moist	Good	SubAlpineBrush
111462	22/06/2011	JordanHarrington	634028	7065333	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateSE	B	30	Moist	Good	SubAlpineBrush
111463	22/06/2011	JordanHarrington	634080	7065485	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	Flat	B	20	Moist	Good	SubAlpineBrush
111464	22/06/2011	JordanHarrington	634076	7065528	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateS	C	50	Moist	Good	AlpineBare
111465	22/06/2011	JordanHarrington	634090	7065580	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateS	B	30	Frozen	Good	AlpineBare
111466	22/06/2011	JordanHarrington	634104	7065645	UTMZ7N_WGS84	Colluvium	Grey	Silt	RidgeAlpine	C	50	Frozen	Good	AlpineBare
111467	22/06/2011	JordanHarrington	634116	7065704	UTMZ7N_WGS84	Regolith	BrownDark	Silt	RidgeAlpine	C	50	Frozen	Good	AlpineBare
111468	22/06/2011	JordanHarrington	634121	7065746	UTMZ7N_WGS84	Lithosoil	Tan	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
112339	24/06/2011	MarkLam	636625	7063763	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	35	Moist	Good	BurnNew
112340	24/06/2011	MarkLam	636618	7063810	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	50	Dry	Excellent	BurnNew
112341	24/06/2011	MarkLam	636617	7063810	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	50	Dry	Excellent	BurnNew
112342	24/06/2011	MarkLam	636567	7063830	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	60	Dry	Excellent	BurnNew
112343	24/06/2011	MarkLam	636534	7063859	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
112344	24/06/2011	MarkLam	636513	7063904	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Dry	Good	BurnNew
112345	24/06/2011	MarkLam	636463	7063926	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Dry	Good	BurnNew
112346	24/06/2011	MarkLam	636432	7063965	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	25	Dry	Good	BurnOld
112347	24/06/2011	MarkLam	636386	7063999	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Good	BurnOld
112348	24/06/2011	MarkLam	636338	7064032	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	20	Moist	Poor	BurnOld
112349	24/06/2011	MarkLam	636333	7064088	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	20	Dry	Poor	BurnOld
112350	24/06/2011	MarkLam	636332	7064135	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	20	Moist	Poor	BurnOld
112351	24/06/2011	MarkLam	636328	7064187	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Dry	Good	BurnOld
112352	24/06/2011	MarkLam	636313	7064227	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	20	Moist	Good	BurnOld
112353	24/06/2011	MarkLam	636308	7063992	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	BurnOld
112354	24/06/2011	MarkLam	636295	7063947	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Good	BurnOld
112355	24/06/2011	MarkLam	636267	7063900	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Dry	Excellent	BurnOld
112356	24/06/2011	MarkLam	636235	7063853	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Good	BurnOld
112357	24/06/2011	MarkLam	636196	7063828	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Dry	Excellent	BurnOld
112358	24/06/2011	MarkLam	636165	7063791	UTMZ7N_WGS84	Colluvium	Brown		ModerateSW	C	35	Dry	Good	BurnOld
112359	24/06/2011	MarkLam	636140	7063743	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	45	Dry	Excellent	BurnOld
112360	24/06/2011	MarkLam	636116	7063714	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Dry	Poor	BurnOld
112361	24/06/2011	MarkLam	636074	7063660	UTMZ7N_WGS84	Colluvium	Brown	Silt		C	40	Dry	Good	BurnOld
112362	24/06/2011	MarkLam	636062	7063614	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Good	BurnOld
112363	24/06/2011	MarkLam	636056	7063563	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Good	BurnOld
112364	24/06/2011	MarkLam	636009	7063542	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Dry	Good	BurnOld
112365	24/06/2011	MarkLam	635983	7063443	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Dry	Good	BurnOld
112366	25/06/2011	MarkLam	635133	7066413	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt		B	20	Moist	Poor	SubAlpineBrush
112367	25/06/2011	MarkLam	635168	7066478	UTMZ7N_WGS84	Lithosoil	Brown	Silt		B	20	Moist	Poor	AlpineBare
112368	25/06/2011	MarkLam	635213	7066510	UTMZ7N_WGS84	Soil	Brown	Silt		B	20	Moist	Poor	AlpineBare
112369	25/06/2011	MarkLam	635206	7066604	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	B	20	Moist	Poor	AlpineBare

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112370	25/06/2011	MarkLam	635232	7066647	UTMZ7N_WGS84				SteepNE					
112371	25/06/2011	MarkLam	635252	7066694	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	C	20	Moist	Poor	SubAlpineBrush
112372	25/06/2011	MarkLam	635352	7066844	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	B	30	Dry	Poor	SubAlpineBrush
112373	25/06/2011	MarkLam	635374	7066895	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Moist	Good	SubAlpineBrush
112374	25/06/2011	MarkLam	635391	7066943	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	SubAlpineBrush
112376	25/06/2011	MarkLam	635440	7067083	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	30	Wet	Good	SubAlpineBrush
112377	25/06/2011	MarkLam	635479	7067111	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Wet	Good	SubAlpineBrush
112378	25/06/2011	MarkLam	635501	7067129	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Poor	SubAlpineBrush
112379	25/06/2011	MarkLam	635548	7067181	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Good	SubAlpineBrush
112380	25/06/2011	MarkLam	635580	7067221	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
112381	25/06/2011	MarkLam	635608	7067265	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Wet	Good	SubAlpineBrush
112382	25/06/2011	MarkLam	635631	7067303	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Moist	Poor	SubAlpineBrush
112383	25/06/2011	MarkLam	635665	7067329	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Moist	Good	SubAlpineBrush
112384	25/06/2011	MarkLam	635694	7067361	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Wet	Poor	SubAlpineBrush
112385	25/06/2011	MarkLam	635730	7067399	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Wet	Good	SubAlpineBrush
112386	25/06/2011	MarkLam	635754	7067450	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	50	Frozen	Good	SubAlpineBrush
112387	25/06/2011	MarkLam	635789	7067475	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Wet	Good	ForestMixed
112388	25/06/2011	MarkLam	635819	7067514	UTMZ7N_WGS84	Alluvium	Brown	Sand	DrainageSeasonal	C	30	Moist	Good	ForestMixed
112389	25/06/2011	MarkLam	635849	7067553	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Moist	Poor	ForestMixed
112392	25/06/2011	MarkLam	635870	7067644	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Frozen	Good	ForestMixed
112395	26/06/2011	MarkLam	630641	7064835	UTMZ7N_WGS84	Regolith	BrownLight		Ridge	C	20	Dry	Good	SubAlpineBrush
112396	26/06/2011	MarkLam	630619	7064891	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateN	C	50	Moist	Good	SubAlpineBrush
112397	26/06/2011	MarkLam	630622	7064929	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Moist	Excellent	SubAlpineBrush
112398	26/06/2011	MarkLam	630614	7064979	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist	Excellent	SubAlpineBrush
112399	26/06/2011	MarkLam	630612	7065029	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	40	Moist	Good	SubAlpineBrush
112400	26/06/2011	MarkLam	630605	7065067	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Moist	Poor	ForestMixed
112401	26/06/2011	MarkLam	630634	7065107	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	50	Wet	Excellent	ForestMixed
112402	26/06/2011	MarkLam	630659	7065154	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Frozen	Good	ForestMixed
112403	26/06/2011	MarkLam	630732	7065306	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	60	Wet	Good	ForestMixed
112404	26/06/2011	MarkLam	630751	7065348	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	30	Wet	Poor	ForestMixed
112405	26/06/2011	MarkLam	630758	7065397	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	60	Wet	Good	ForestMixed
112406	26/06/2011	MarkLam	630765	7065438	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	50	Moist	Good	ForestMixed
112407	26/06/2011	MarkLam	629541	7064966	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	40	Moist	Excellent	ForestMixed
112408	26/06/2011	MarkLam	629644	7064954	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	20	Moist	Poor	ForestMixed
112409	26/06/2011	MarkLam	629733	7064977	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	30	Dry	Excellent	ForestMixed
112410	26/06/2011	MarkLam	629793	7064996	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
112411	26/06/2011	MarkLam	629877	7065034	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	B	20	Moist	Good	ForestMixed
112412	26/06/2011	MarkLam	629921	7065061	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112413	26/06/2011	MarkLam	630013	7065110	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112414	26/06/2011	MarkLam	630122	7065085	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112415	26/06/2011	MarkLam	630167	7065067	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
112416	26/06/2011	MarkLam	630268	7065050	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112417	26/06/2011	MarkLam	630354	7065008	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	30	Dry	Good	ForestMixed
112418	26/06/2011	MarkLam	630461	7064968	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Moist	Poor	ForestMixed
112419	26/06/2011	MarkLam	630520	7064867	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	30	Dry	Good	ForestMixed
112420	26/06/2011	MarkLam	630574	7064812	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	30	Dry	Good	ForestMixed
112421	27/06/2011	MarkLam	625496	7079376	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	20	Moist	Poor	ForestMixed
112422	27/06/2011	MarkLam	625516	7079274	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
112423	27/06/2011	MarkLam	625547	7079182	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	50	Moist	Poor	ForestMixed
112424	27/06/2011	MarkLam	625592	7079089	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	30	Moist	Poor	ForestMixed
112425	27/06/2011	MarkLam	625659	7079022	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	30	Moist	Good	ForestMixed
112426	27/06/2011	MarkLam	625715	7078929	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Moist	Excellent	ForestMixed
112427	27/06/2011	MarkLam	625778	7078841	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	60	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112428	27/06/2011	MarkLam	625815	7078761	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	110	Moist	Excellent	ForestMixed
112429	27/06/2011	MarkLam	625889	7078691	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	80	Moist	Excellent	ForestMixed
112430	27/06/2011	MarkLam	625958	7078611	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
112431	27/06/2011	MarkLam	626007	7078531	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
112441	27/06/2011	MarkLam	626078	7078537	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Good	BurnOld
112442	27/06/2011	MarkLam	626090	7078575	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	BurnOld
112443	27/06/2011	MarkLam	626109	7078622	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	40	Moist	Excellent	BurnOld
112444	27/06/2011	MarkLam	626079	7078678	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Excellent	ForestMixed
112445	27/06/2011	MarkLam	626122	7078712	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	70	Dry	Good	ForestMixed
112446	27/06/2011	MarkLam	626129	7078781	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	50	Dry	Good	ForestMixed
112447	27/06/2011	MarkLam	626161	7078808	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
112448	27/06/2011	MarkLam	626186	7078856	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	90	Moist	Excellent	BurnOld
112449	27/06/2011	MarkLam	626200	7078903	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	80	Moist	Excellent	BurnOld
112450	27/06/2011	MarkLam	626234	7078943	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Wet	Good	ForestMixed
112451	27/06/2011	MarkLam	626250	7078988	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	80	Wet	Excellent	BurnOld
112452	27/06/2011	MarkLam	626286	7079018	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	60	Moist	Excellent	ForestMixed
112453	27/06/2011	MarkLam	626325	7079074	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	70	Dry	Good	BurnOld
112454	27/06/2011	MarkLam	626341	7079113	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	80	Dry	Excellent	BurnOld
112455	27/06/2011	MarkLam	626358	7079155	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	80	Dry	Excellent	BurnOld
112456	27/06/2011	MarkLam	626386	7079193	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	50	Dry	Good	BurnOld
112457	27/06/2011	MarkLam	626411	7079235	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	60	Moist	Excellent	BurnOld
112458	27/06/2011	MarkLam	626460	7079257	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	40	Dry	Poor	ForestMixed
112459	27/06/2011	MarkLam	626520	7079278	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	55	Dry	Poor	BurnOld
112460	27/06/2011	MarkLam	626551	7079313	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	70	Dry	Poor	BurnOld
112461	27/06/2011	MarkLam	626603	7079322	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	70	Dry	Excellent	BurnOld
112462	28/06/2011	MarkLam	627300	7071218	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	80	Dry	Excellent	ForestMixed
112463	28/06/2011	MarkLam	627260	7071214	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	55	Dry	Excellent	ForestAspen
112464	28/06/2011	MarkLam	627224	7071230	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	30	Moist	Poor	ForestAspen
112465	28/06/2011	MarkLam	627162	7071227	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	30	Moist	Poor	ForestMixed
112466	28/06/2011	MarkLam	627112	7071222	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	30	Dry	Good	ForestAspen
112467	28/06/2011	MarkLam	627066	7071195	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	B	50	Wet	Excellent	ForestAspen
112468	28/06/2011	MarkLam	627028	7071176	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestAspen
112469	28/06/2011	MarkLam	626989	7071152	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	40	Moist	Good	ForestAspen
112470	28/06/2011	MarkLam	626941	7071127	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Poor	ForestAspen
112471	28/06/2011	MarkLam	626898	7071111	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Dry	Excellent	ForestAspen
112472	28/06/2011	MarkLam	626782	7071103	UTMZ7N_WGS84	Lithosoil	Orange	Silt	Ridge	C	20	Dry	Good	ForestAspen
112473	28/06/2011	MarkLam	626735	7071092	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
112474	28/06/2011	MarkLam	626688	7071098	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Excellent	ForestMixed
112475	28/06/2011	MarkLam	626644	7071110	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Moist	Poor	ForestMixed
112476	28/06/2011	MarkLam	626595	7071121	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Excellent	ForestMixed
112477	28/06/2011	MarkLam	626533	7071136	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	40	Moist	Excellent	ForestMixed
112478	28/06/2011	MarkLam	626495	7071113	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	B	20	Dry	Excellent	ForestMixed
112479	28/06/2011	MarkLam	626440	7071107	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	35	Moist	Good	ForestMixed
112480	28/06/2011	MarkLam	626395	7071106	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	70	Moist	Good	ForestMixed
112481	28/06/2011	MarkLam	626342	7071115	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	55	Moist	Good	ForestMixed
112482	28/06/2011	MarkLam	626290	7071114	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	60	Moist	Excellent	ForestMixed
112483	28/06/2011	MarkLam	626235	7071124	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	75	Dry	Good	ForestMixed
112484	28/06/2011	MarkLam	626196	7071156	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	30	Frozen	Poor	ForestMixed
112485	28/06/2011	MarkLam	626142	7071169	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	30	Frozen	Poor	ForestMixed
112486	28/06/2011	MarkLam	625992	7071254	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	40	Frozen	Good	ForestMixed
112487	28/06/2011	MarkLam	625940	7071278	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	50	Wet	Good	ForestMixed
112488	28/06/2011	MarkLam	625882	7071306	UTMZ7N_WGS84	Colluvium	Brown	Silt	DrainageSeasonal	B	50	Wet	Excellent	ForestMixed
112489	29/06/2011	MarkLam	623367	7079954	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112491	29/06/2011	MarkLam	623315	7079925	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112492	29/06/2011	MarkLam	623264	7079897	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	30	Dry	Poor	ForestMixed
112493	29/06/2011	MarkLam	623209	7079902	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Excellent	ForestMixed
112504	29/06/2011	MarkLam	623233	7078675	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Dry	Excellent	ForestMixed
112505	29/06/2011	MarkLam	623134	7079906	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
112506	29/06/2011	MarkLam	623090	7079902	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
112507	29/06/2011	MarkLam	623021	7079891	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Dry	Good	ForestMixed
112508	29/06/2011	MarkLam	622967	7079876	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
112509	29/06/2011	MarkLam	622932	7079862	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
112510	29/06/2011	MarkLam	622873	7079840	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
112511	29/06/2011	MarkLam	622756	7079877	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Dry	Good	ForestMixed
112512	29/06/2011	MarkLam	622682	7079875	UTMZ7N_WGS84	Colluvium	Blue	Silt	Ridge	B	70	Dry	Excellent	ForestMixed
112513	29/06/2011	MarkLam	622624	7079906	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	70	Dry	Good	ForestMixed
112514	29/06/2011	MarkLam	622579	7079940	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	35	Dry	Poor	ForestMixed
112515	29/06/2011	MarkLam	622557	7079971	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Dry	Poor	ForestMixed
112516	29/06/2011	MarkLam	622514	7079987	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	45	Dry	Good	ForestMixed
112517	29/06/2011	MarkLam	622455	7079976	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Dry	Poor	ForestMixed
112518	29/06/2011	MarkLam	622403	7079970	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
112519	29/06/2011	MarkLam	622356	7079949	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
112520	29/06/2011	MarkLam	622310	7079930	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Dry	Excellent	ForestMixed
112521	29/06/2011	MarkLam	622261	7079924	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Dry	Excellent	ForestMixed
112522	29/06/2011	MarkLam	622210	7079928	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Excellent	ForestMixed
112523	29/06/2011	MarkLam	622150	7079924	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
112524	29/06/2011	MarkLam	622112	7079931	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Dry	Excellent	ForestMixed
112525	29/06/2011	MarkLam	622062	7079950	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
112526	29/06/2011	MarkLam	622025	7079972	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
112527	29/06/2011	MarkLam	621985	7079998	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	30	Moist	Poor	ForestMixed
112528	29/06/2011	MarkLam	621948	7080041	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Dry	Poor	ForestMixed
112529	29/06/2011	MarkLam	621899	7080071	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	20	Dry	Poor	ForestMixed
112530	29/06/2011	MarkLam	621860	7080117	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
112531	29/06/2011	MarkLam	621824	7080138	UTMZ7N_WGS84									
112532	30/06/2011	MarkLam	622443	7082916	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	40	Dry	Poor	ForestMixed
112533	30/06/2011	MarkLam	622478	7082887	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	B	30	Moist	Good	ForestMixed
112534	30/06/2011	MarkLam	622512	7082853	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
112535	30/06/2011	MarkLam	622545	7082819	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
112536	30/06/2011	MarkLam	622587	7082786	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	30	Dry	Good	ForestMixed
112537	30/06/2011	MarkLam	622629	7082754	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
112538	30/06/2011	MarkLam	622680	7082724	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	30	Dry	Good	ForestMixed
112539	30/06/2011	MarkLam	622713	7082718	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
112541	30/06/2011	MarkLam	622770	7082712	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	40	Moist	Excellent	ForestMixed
112542	30/06/2011	MarkLam	622815	7082707	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	40	Dry	Poor	ForestMixed
112543	30/06/2011	MarkLam	622924	7082686	UTMZ7N_WGS84		Brown	Silt	Ridge	B	40	Moist	Excellent	ForestMixed
112544	30/06/2011	MarkLam	622964	7082681	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
112545	30/06/2011	MarkLam	623052	7082655	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
112546	30/06/2011	MarkLam	623103	7082639	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	60	Moist	Excellent	ForestMixed
112547	30/06/2011	MarkLam	623154	7082628	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
112548	30/06/2011	MarkLam	623230	7082561	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
112549	30/06/2011	MarkLam	623268	7082542	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	20	Dry	Poor	ForestMixed
112550	30/06/2011	MarkLam	623325	7082519	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	20	Moist	Good	ForestMixed
112551	30/06/2011	MarkLam	623408	7082467	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	30	Dry	Excellent	ForestMixed
112552	30/06/2011	MarkLam	623449	7082448	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
112553	30/06/2011	MarkLam	623490	7082413	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	B	40	Dry	Excellent	ForestMixed
112554	30/06/2011	MarkLam	623542	7082395	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	40	Moist	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112555	30/06/2011	MarkLam	623578	7082362	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	B	30	Moist	Good	ForestMixed
113208	24/06/2011	LauraRatcliffe	636870	7064705	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	BurnOld
113209	24/06/2011	LauraRatcliffe	636822	7064723	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	SubAlpineBrush
113210	24/06/2011	LauraRatcliffe	636783	7064746	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Moist	Good	SubAlpineBrush
113211	24/06/2011	LauraRatcliffe	636732	7064734	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	SubAlpineBrush
113212	24/06/2011	LauraRatcliffe	636667	7064734	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	50	Dry	Excellent	SubAlpineBrush
113213	24/06/2011	LauraRatcliffe	636595	7064739	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	60	Dry	Excellent	SubAlpineBrush
113214	24/06/2011	LauraRatcliffe	636532	7064707	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	SubAlpineBrush
113215	24/06/2011	LauraRatcliffe	636476	7064698	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	60	Dry	Excellent	SubAlpineBrush
113216	24/06/2011	LauraRatcliffe	636429	7064627	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	SubAlpineBrush
113217	24/06/2011	LauraRatcliffe	636441	7064566	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	35	Dry	Good	SubAlpineBrush
113218	24/06/2011	LauraRatcliffe	636479	7064520	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	30	Moist	Good	SubAlpineBrush
113219	24/06/2011	LauraRatcliffe	636406	7064468	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	20	Moist	Good	SubAlpineBrush
113220	24/06/2011	LauraRatcliffe	636395	7064415	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	50	Moist	Good	SubAlpineBrush
113221	24/06/2011	LauraRatcliffe	636350	7064365	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	20	Moist	Good	SubAlpineAlder
113222	24/06/2011	LauraRatcliffe	636307	7064295	UTMZ7N_WGS84	Colluvium	Black	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
113223	24/06/2011	LauraRatcliffe	636249	7064257	UTMZ7N_WGS84									
113224	24/06/2011	LauraRatcliffe	636190	7064288	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	60	Moist	Excellent	SubAlpineAlder
113225	24/06/2011	LauraRatcliffe	636106	7064303	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestAspen
113226	24/06/2011	LauraRatcliffe	636027	7064386	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	50	Moist	Excellent	ForestAspen
113227	24/06/2011	LauraRatcliffe	635981	7064424	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	50	Moist	Excellent	ForestAspen
115453	20/06/2011	NedaDokic	642441	7057160	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Moist	Good	AlpineBare
115454	20/06/2011	NedaDokic	642469	7057256	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Moist	Good	AlpineBare
115455	20/06/2011	NedaDokic	642495	7057340	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Dry	Good	AlpineBare
115456	20/06/2011	NedaDokic	642602	7057721	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	30	Dry	Good	AlpineBare
115457	20/06/2011	NedaDokic	642661	7057959	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	30	Dry	Good	AlpineBare
115458	20/06/2011	NedaDokic	642661	7058196	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	B	30	Dry	Good	AlpineBare
115459	20/06/2011	NedaDokic	642666	7058269	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	30	Dry	Good	AlpineBare
115460	21/06/2011	NedaDokic	639878	7063022	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	30	Dry	Good	AlpineBare
115461	21/06/2011	NedaDokic	639856	7062923	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	30	Dry	Good	AlpineBare
115462	21/06/2011	NedaDokic	639842	7062821	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
115463	21/06/2011	NedaDokic	639832	7062730	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
115464	21/06/2011	NedaDokic	639809	7062619	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
115465	21/06/2011	NedaDokic	639832	7062532	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	35	Dry	Excellent	AlpineBare
115466	21/06/2011	NedaDokic	639863	7062441	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
115467	21/06/2011	NedaDokic	639892	7062346	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	35	Dry	Excellent	AlpineBare
115468	21/06/2011	NedaDokic	639976	7062265	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
115469	21/06/2011	NedaDokic	640028	7062187	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	25	Dry	Excellent	AlpineBare
115470	21/06/2011	NedaDokic	640081	7062098	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
115471	21/06/2011	NedaDokic	640104	7062013	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
115472	21/06/2011	NedaDokic	640145	7061931	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	30	Dry	Excellent	AlpineBare
115473	21/06/2011	NedaDokic	640210	7061936	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	40	Dry	Excellent	AlpineBare
115474	21/06/2011	NedaDokic	640256	7061949	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	40	Dry	Excellent	SubAlpineBrush
115475	21/06/2011	NedaDokic	640309	7061968	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	SubAlpineBrush
115476	24/06/2011	NedaDokic	637281	7062612	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	25	Dry	Good	BurnOld
115477	24/06/2011	NedaDokic	637247	7062573	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	40	Moist	Excellent	BurnOld
115478	24/06/2011	NedaDokic	637234	7062532	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	45	Moist	Excellent	BurnOld
115479	24/06/2011	NedaDokic	637189	7062514	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	35	Moist	Excellent	BurnOld
115480	24/06/2011	NedaDokic	637160	7062457	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	35	Dry	Excellent	BurnOld
115481	24/06/2011	NedaDokic	637138	7062406	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	30	Dry	Excellent	BurnOld
115482	24/06/2011	NedaDokic	637105	7062363	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	BurnOld
115483	24/06/2011	NedaDokic	637098	7062318	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	45	Dry	Excellent	BurnOld
115484	24/06/2011	NedaDokic	637077	7062268	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	45	Dry	Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
115485	24/06/2011	NedaDokic	637061	7062221	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	55	Dry	Excellent	BurnOld
115486	24/06/2011	NedaDokic	637023	7062169	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	35	Dry	Excellent	BurnOld
115487	24/06/2011	NedaDokic	636973	7062154	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	30	Dry	Excellent	BurnOld
115488	24/06/2011	NedaDokic	636933	7062126	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	30	Dry	Excellent	BurnOld
115489	24/06/2011	NedaDokic	637071	7062122	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	45	Dry	Excellent	BurnOld
115490	24/06/2011	NedaDokic	637097	7062091	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	BurnOld
115491	24/06/2011	NedaDokic	637128	7062040	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	25	Dry	Excellent	BurnOld
115492	24/06/2011	NedaDokic	637169	7062008	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	25	Dry	Excellent	BurnOld
115493	24/06/2011	NedaDokic	637194	7061978	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	35	Moist	Good	BurnOld
115494	24/06/2011	NedaDokic	637245	7061942	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	45	Dry	Excellent	BurnOld
115495	24/06/2011	NedaDokic	637276	7061911	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	45	Dry	Excellent	BurnOld
115496	24/06/2011	NedaDokic	637311	7061875	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	55	Dry	Excellent	BurnOld
115497	24/06/2011	NedaDokic	637346	7061840	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	BurnOld
115498	24/06/2011	NedaDokic	637381	7061799	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	BurnOld
115499	24/06/2011	NedaDokic	637407	7061754	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	BurnOld
115500	24/06/2011	NedaDokic	637433	7061722	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	BurnOld
115501	24/06/2011	NedaDokic	637452	7061671	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	60	Moist	Excellent	BurnOld
115502	24/06/2011	NedaDokic	637466	7061617	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateSE	C	55	Dry	Excellent	BurnOld
115503	24/06/2011	NedaDokic	637478	7061572	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	55	Dry	Excellent	BurnOld
115504	24/06/2011	NedaDokic	637506	7061511	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	65	Moist	Good	BurnOld
115505	24/06/2011	NedaDokic	637552	7061485	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	65	Dry	Excellent	BurnOld
115506	24/06/2011	NedaDokic	637595	7061472	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	55	Dry	Excellent	BurnOld
115507	24/06/2011	NedaDokic	637643	7061457	UTMZ7N_WGS84									
115508	25/06/2011	NedaDokic	633211	7067764	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Moist	Good	AlpineBare
115509	25/06/2011	NedaDokic	633297	7067878	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	25	Moist	Good	AlpineBare
115510	25/06/2011	NedaDokic	633334	7067961	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
115511	25/06/2011	NedaDokic	633367	7068045	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	25	Moist	Poor	AlpineBare
115512	25/06/2011	NedaDokic	633362	7068130	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	35	Moist	Good	AlpineBare
115513	25/06/2011	NedaDokic	633338	7068223	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	20	Moist	Poor	AlpineBare
115514	25/06/2011	NedaDokic	633334	7068323	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Moist	Good	AlpineBare
115515	25/06/2011	NedaDokic	633329	7068427	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
115516	25/06/2011	NedaDokic	633276	7068528	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	30	Dry	Good	AlpineBare
115517	25/06/2011	NedaDokic	633263	7068607	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	35	Dry	Good	AlpineBare
115518	25/06/2011	NedaDokic	633254	7068702	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	25	Dry	Good	AlpineBare
115519	25/06/2011	NedaDokic	633207	7068802	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	35	Dry	Excellent	AlpineBare
115520	25/06/2011	NedaDokic	633165	7068903	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
115521	25/06/2011	NedaDokic	633121	7068977	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
115522	25/06/2011	NedaDokic	632661	7069851	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	35	Dry	Good	AlpineBare
115523	25/06/2011	NedaDokic	632694	7069761	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	35	Dry	Good	AlpineBare
115524	25/06/2011	NedaDokic	632729	7069674	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
115525	25/06/2011	NedaDokic	632774	7069583	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Dry	Good	AlpineBare
115526	25/06/2011	NedaDokic	632818	7069491	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	45	Dry	Good	SubAlpineBrush
115527	25/06/2011	NedaDokic	632874	7069401	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Moist	Good	SubAlpineBrush
115528	25/06/2011	NedaDokic	632918	7069305	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	25	Dry	Good	SubAlpineBrush
115529	25/06/2011	NedaDokic	632960	7069221	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	20	Dry	Good	SubAlpineBrush
115530	25/06/2011	NedaDokic	633060	7069047	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	20	Dry	Good	SubAlpineBrush
115531	25/06/2011	NedaDokic	632979	7068989	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	25	Moist	Poor	SubAlpineBrush
115532	25/06/2011	NedaDokic	632881	7068973	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	45	Frozen	Poor	SubAlpineBrush
115533	25/06/2011	NedaDokic	632775	7068956	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	45	Moist	Good	SubAlpineBrush
115534	25/06/2011	NedaDokic	632688	7068941	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	25	Dry	Good	SubAlpineBrush
115535	25/06/2011	NedaDokic	632489	7068910	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	35	Dry	Excellent	SubAlpineBrush
115536	25/06/2011	NedaDokic	632387	7068897	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	25	Dry	Good	SubAlpineBrush
115537	25/06/2011	NedaDokic	632286	7068893	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	25	Dry	Good	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
115538	29/06/2011	NedaDokic	623241	7081825	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	35	Moist	Good	SubAlpineBrush
115539	29/06/2011	NedaDokic	623151	7081820	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Moist	Good	SubAlpineBrush
115540	29/06/2011	NedaDokic	623048	7081840	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	60	Dry	Excellent	SubAlpineBrush
115541	29/06/2011	NedaDokic	622951	7081831	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	45	Dry	Excellent	ForestMixed
115542	29/06/2011	NedaDokic	622845	7081836	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	45	Moist	Good	ForestMixed
115543	29/06/2011	NedaDokic	622751	7081810	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	55	Dry	Excellent	ForestMixed
115544	29/06/2011	NedaDokic	622656	7081793	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	45	Moist	Excellent	ForestMixed
115545	29/06/2011	NedaDokic	622551	7081789	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	45	Dry	Excellent	ForestMixed
115546	29/06/2011	NedaDokic	622456	7081758	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	55	Moist	Good	ForestMixed
115547	29/06/2011	NedaDokic	622331	7081745	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	55	Dry	Excellent	ForestMixed
115548	29/06/2011	NedaDokic	622249	7081768	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	60	Dry	Excellent	ForestMixed
115549	29/06/2011	NedaDokic	622147	7081744	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Dry	Excellent	ForestMixed
115550	29/06/2011	NedaDokic	622044	7081766	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	45	Dry	Excellent	ForestMixed
115551	29/06/2011	NedaDokic	621999	7081768	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	60	Dry	Excellent	ForestMixed
115552	29/06/2011	NedaDokic	621951	7081767	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	60	Dry	Excellent	ForestMixed
115553	29/06/2011	NedaDokic	621888	7081757	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Dry	Excellent	ForestMixed
115554	29/06/2011	NedaDokic	621847	7081751	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	45	Dry	Excellent	ForestMixed
115555	29/06/2011	NedaDokic	621792	7081748	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115556	29/06/2011	NedaDokic	621746	7081747	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115557	29/06/2011	NedaDokic	621690	7081741	UTMZ7N_WGS84	Colluvium	Green	Sand	Flat	C	80	Dry	Excellent	ForestMixed
115558	29/06/2011	NedaDokic	621647	7081713	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	50	Dry	Excellent	ForestMixed
115559	29/06/2011	NedaDokic	621594	7081718	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	40	Dry	Excellent	ForestMixed
115560	29/06/2011	NedaDokic	621543	7081710	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	30	Dry	Excellent	ForestMixed
115561	29/06/2011	NedaDokic	621493	7081694	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	45	Dry	Excellent	ForestMixed
115562	29/06/2011	NedaDokic	621447	7081697	UTMZ7N_WGS84	Colluvium	Orange	Sand	Flat	C	30	Dry	Excellent	ForestMixed
115563	29/06/2011	NedaDokic	621399	7081676	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	30	Dry	Good	ForestMixed
115564	29/06/2011	NedaDokic	621348	7081683	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	80	Dry	Excellent	ForestMixed
115565	29/06/2011	NedaDokic	621301	7081681	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	60	Moist	Excellent	ForestMixed
115566	29/06/2011	NedaDokic	621251	7081682	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	50	Dry	Excellent	ForestMixed
115567	29/06/2011	NedaDokic	621205	7081678	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	50	Dry	Excellent	ForestMixed
115568	29/06/2011	NedaDokic	621155	7081670	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	55	Dry	Excellent	ForestMixed
115569	29/06/2011	NedaDokic	621092	7081681	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	70	Dry	Excellent	ForestMixed
115570	29/06/2011	NedaDokic	621054	7081695	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	C	55	Dry	Excellent	ForestMixed
116465	20/06/2011	JoshJudson	641406	7059396	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Moist	Excellent	AlpineBare
116466	20/06/2011	JoshJudson	641369	7059430	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	20	Wet	Good	SubAlpineBrush
116467	20/06/2011	JoshJudson	641346	7059461	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	20	Moist	Good	SubAlpineBrush
116468	20/06/2011	JoshJudson	641309	7059503	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	20	Moist	Excellent	SubAlpineFir
116469	20/06/2011	JoshJudson	641268	7059528	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	20	Moist	Good	SubAlpineFir
116470	20/06/2011	JoshJudson	641224	7059553	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	30	Moist	Good	SubAlpineFir
116471	20/06/2011	JoshJudson	641166	7059571	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNW	C	20	Frozen	Good	SubAlpineFir
116472	20/06/2011	JoshJudson	641126	7059591	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	50	Frozen	Good	SubAlpineFir
116473	20/06/2011	JoshJudson	641102	7059610	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	20	Moist	Excellent	SubAlpineBrush
116474	20/06/2011	JoshJudson	641057	7059640	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	20	Moist	Good	SubAlpineBrush
116475	20/06/2011	JoshJudson	641013	7059663	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	30	Wet	Good	SubAlpineBrush
116476	20/06/2011	JoshJudson	640963	7059679	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Wet	Good	SubAlpineBrush
116477	20/06/2011	JoshJudson	640921	7059707	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	20	Frozen	Good	ForestMixed
116478	20/06/2011	JoshJudson	640866	7059730	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	20	Wet	Good	ForestMixed
116479	20/06/2011	JoshJudson	640746	7059803	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	20	Moist	Good	ForestMixed
116480	20/06/2011	JoshJudson	640661	7059850	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	20	Wet	Good	ForestMixed
116481	21/06/2011	JoshJudson	640074	7060950	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	20	Moist	Excellent	BurnOld
116482	21/06/2011	JoshJudson	640031	7060919	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	20	Dry	Good	BurnOld
116483	21/06/2011	JoshJudson	639979	7060909	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	20	Dry	Good	BurnOld
116484	21/06/2011	JoshJudson	639934	7060894	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	40	Moist	Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
116485	21/06/2011	JoshJudson	639881	7060868	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	20	Dry	Good	BurnOld
116486	21/06/2011	JoshJudson	639835	7060849	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Moist	Excellent	BurnOld
116487	21/06/2011	JoshJudson	639780	7060828	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateW	C	20	Dry	Good	BurnOld
116488	21/06/2011	JoshJudson	639737	7060808	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Moist	Excellent	BurnOld
116489	21/06/2011	JoshJudson	639685	7060820	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Dry	Excellent	BurnOld
116491	21/06/2011	JoshJudson	639628	7060820	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	20	Dry	Good	BurnOld
116492	21/06/2011	JoshJudson	639581	7060808	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateW	C	30	Moist	Excellent	BurnOld
116493	21/06/2011	JoshJudson	639553	7060791	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Moist	Excellent	BurnOld
116494	21/06/2011	JoshJudson	639497	7060770	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	30	Dry	Excellent	BurnOld
116495	21/06/2011	JoshJudson	639456	7060768	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	60	Moist	Excellent	BurnOld
116496	21/06/2011	JoshJudson	639416	7060717	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateW	C	40	Dry	Good	BurnOld
116497	21/06/2011	JoshJudson	639384	7060681	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	30	Dry	Good	BurnOld
116498	21/06/2011	JoshJudson	639374	7060635	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	40	Dry	Good	BurnOld
116500	21/06/2011	JoshJudson	639336	7060587	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	40	Moist	Good	BurnOld
116501	21/06/2011	JoshJudson	639309	7060563	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	60	Moist	Excellent	BurnOld
116502	21/06/2011	JoshJudson	639271	7060529	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Excellent	BurnOld
116503	21/06/2011	JoshJudson	639239	7060493	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	20	Moist	Excellent	BurnOld
116504	21/06/2011	JoshJudson	639210	7060453	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Excellent	BurnOld
116505	21/06/2011	JoshJudson	639174	7060412	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Moist	Good	BurnOld
116506	21/06/2011	JoshJudson	639135	7060372	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSW	C	30	Moist	Good	BurnOld
116507	21/06/2011	JoshJudson	639085	7060351	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	30	Moist	Excellent	BurnOld
116508	21/06/2011	JoshJudson	639046	7060318	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Excellent	BurnOld
116509	21/06/2011	JoshJudson	639014	7060300	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	50	Moist	Excellent	BurnOld
116510	21/06/2011	JoshJudson	638965	7060259	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	40	Moist	Excellent	ForestMixed
116511	21/06/2011	JoshJudson	638930	7060232	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Moist	Good	BurnOld
116512	21/06/2011	JoshJudson	638902	7060202	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	40	Moist	Excellent	BurnOld
116513	21/06/2011	JoshJudson	638868	7060162	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	50	Moist	Excellent	ForestMixed
116514	22/06/2011	JoshJudson	633533	7066629	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	20	Moist	Good	AlpineBare
116515	22/06/2011	JoshJudson	633612	7066687	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	20	Moist	Good	AlpineBare
116516	22/06/2011	JoshJudson	633664	7066703	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepE	C	30	Moist	Good	AlpineBare
116517	22/06/2011	JoshJudson	633711	7066772	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepE	C	20	Moist	Poor	SubAlpineBrush
116518	22/06/2011	JoshJudson	633730	7066826	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepE	C	20	Moist	Good	SubAlpineBrush
116519	22/06/2011	JoshJudson	633771	7066856	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	20	Moist	Good	SubAlpineBrush
116520	22/06/2011	JoshJudson	633792	7066882	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateE	C	30	Moist	Good	BurnOld
116521	22/06/2011	JoshJudson	633832	7066911	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateE	C	40	Moist	Good	BurnOld
116522	22/06/2011	JoshJudson	633871	7066959	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateE	C	50	Moist	Excellent	BurnOld
116523	22/06/2011	JoshJudson	633931	7066994	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateE	C	50	Frozen	Good	SubAlpineFir
116524	22/06/2011	JoshJudson	633965	7067033	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateE	C	40	Moist	Good	BurnOld
116525	22/06/2011	JoshJudson	634009	7067043	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateE	C	40	Moist	Good	BurnOld
116526	22/06/2011	JoshJudson	634047	7067053	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	40	Moist	Good	BurnOld
116527	22/06/2011	JoshJudson	634096	7067065	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateE	C	40	Frozen	Good	DrainageBrush
116528	22/06/2011	JoshJudson	634152	7067044	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	30	Moist	Good	DrainageBrush
116529	22/06/2011	JoshJudson	634222	7067046	UTMZ7N_WGS84	Colluvium	Brown	Clay	CliffBase	B	50	Frozen	Good	DrainageBrush
117322	20/06/2011	HugoGirard	640635	7058400	UTMZ7N_WGS84	Lithosoil	Brown	Sand	RidgeAlpine	C	0.3	Wet		
117323	20/06/2011	HugoGirard	640608	7058423	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.2	Moist		
117324	20/06/2011	HugoGirard	640582	7058485	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Moist		
117325	20/06/2011	HugoGirard	640538	7058519	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Moist		
117326	20/06/2011	HugoGirard	640522	7058559	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Moist		
117327	20/06/2011	HugoGirard	640489	7058614	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Moist		
117328	20/06/2011	HugoGirard	640468	7058644	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	0.6	Dry		
117329	20/06/2011	HugoGirard	640429	7058679	UTMZ7N_WGS84	Colluvium	Yellow	Silt	Ridge	C	0.6	Dry		
117330	20/06/2011	HugoGirard	640397	7058726	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	0.6	Dry		
117331	20/06/2011	HugoGirard	640368	7058759	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	0.6	Dry		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117332	20/06/2011	HugoGirard	640336	7058797	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.5	Dry		
117333	20/06/2011	HugoGirard	640310	7058831	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.5	Dry		
117334	20/06/2011	HugoGirard	640286	7058874	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.5	Moist		
117335	20/06/2011	HugoGirard	640248	7058929	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.3	Moist		
117336	20/06/2011	HugoGirard	640234	7058958	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.7	Dry		
117337	20/06/2011	HugoGirard	640213	7059009	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	0.5	Moist		
117338	20/06/2011	HugoGirard	640179	7059062	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	0.7	Moist		
117339	20/06/2011	HugoGirard	640150	7059090	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	0.7	Moist		
117340	20/06/2011	HugoGirard	640132	7059130	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.8	Dry		
117342	20/06/2011	HugoGirard	640100	7059175	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.6	Moist		
117343	20/06/2011	HugoGirard	640067	7059208	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.4	Moist		
117344	20/06/2011	HugoGirard	640028	7059258	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	1	Dry		
117345	20/06/2011	HugoGirard	640003	7059289	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.8	Dry		
117346	20/06/2011	HugoGirard	639981	7059337	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.4	Moist		
117347	20/06/2011	HugoGirard	639936	7059365	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.6	Dry		
117348	20/06/2011	HugoGirard	639911	7059405	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.6	Moist		
117349	20/06/2011	HugoGirard	639861	7059424	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.5	Moist		
117350	21/06/2011	HugoGirard	639820	7062906	UTMZ7N_WGS84	Lithosoil	Brown	Sand	RidgeAlpine	B	0.2	Moist		
117351	21/06/2011	HugoGirard	639778	7062909	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	0.5	Dry		
117352	21/06/2011	HugoGirard	639735	7062898	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	C	0.6	Moist		
117353	21/06/2011	HugoGirard	639686	7062919	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	0.9	Dry		
117354	21/06/2011	HugoGirard	639623	7062924	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	RidgeAlpine	B	0.4	Wet		
117355	21/06/2011	HugoGirard	639579	7062919	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	C	0.6	Wet		
117356	21/06/2011	HugoGirard	639532	7062924	UTMZ7N_WGS84	Colluvium	Brown	Silt	Drainage	C	0.4	Moist		
117357	21/06/2011	HugoGirard	639468	7062918	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	0.4	Moist		
117358	21/06/2011	HugoGirard	639428	7062924	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	0.4	Moist		
117359	21/06/2011	HugoGirard	639376	7062910	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.5	Moist		
117360	21/06/2011	HugoGirard	639330	7062906	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.4	Moist		
117361	21/06/2011	HugoGirard	639286	7062904	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	0.5	Dry		
117362	21/06/2011	HugoGirard	639233	7062899	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateW	C	0.7	Dry		
117363	21/06/2011	HugoGirard	639180	7062881	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.6	Dry		
117364	21/06/2011	HugoGirard	639136	7062873	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.8	Dry		
117365	21/06/2011	HugoGirard	639087	7062855	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	0.4	Moist		
117366	21/06/2011	HugoGirard	639033	7062839	UTMZ7N_WGS84	Colluvium	White	Silt	ModerateW	C	1	Moist		
117367	21/06/2011	HugoGirard	638995	7062825	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	C	0.4	Moist		
117368	21/06/2011	HugoGirard	638949	7062811	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	C	0.5	Moist		
117369	21/06/2011	HugoGirard	638913	7062793	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	1	Dry		
117370	21/06/2011	HugoGirard	638863	7062769	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateSW	C	0.4	Dry		
117371	21/06/2011	HugoGirard	638816	7062737	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.8	Dry		
117372	21/06/2011	HugoGirard	638774	7062694	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateSW	C	0.8	Dry		
117373	21/06/2011	HugoGirard	638749	7062665	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.5	Dry		
117374	21/06/2011	HugoGirard	638724	7062635	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	C	0.6	Dry		
117375	21/06/2011	HugoGirard	638693	7062594	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.9	Dry		
117376	21/06/2011	HugoGirard	638651	7062552	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateS	C	0.9	Moist		
117377	21/06/2011	HugoGirard	638605	7062534	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateS	C	0.8	Dry		
117378	21/06/2011	HugoGirard	638576	7062487	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateS	C	1	Dry		
117379	22/06/2011	HugoGirard	634651	7066197	UTMZ7N_WGS84	Lithosoil	Grey	Gravel	RidgeAlpine	B	0.4	Wet		
117381	22/06/2011	HugoGirard	634486	7066535	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	B	0.4	Wet		
117383	24/06/2011	HugoGirard	638306	7063585	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	C	0.4	Dry		
117384	24/06/2011	HugoGirard	638340	7063605	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.3	Dry		
117385	24/06/2011	HugoGirard	638393	7063626	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.3	Dry		
117386	24/06/2011	HugoGirard	638441	7063646	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.6	Moist		
117387	24/06/2011	HugoGirard	638476	7063677	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	1	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117388	24/06/2011	HugoGirard	638509	7063714	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	0.6	Dry		
117389	24/06/2011	HugoGirard	638529	7063758	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.8	Dry		
117390	24/06/2011	HugoGirard	638536	7063832	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	0.6	Dry		
117392	24/06/2011	HugoGirard	638523	7063878	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	1	Dry		
117393	24/06/2011	HugoGirard	638485	7063899	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateNW	C	0.6	Dry		
117394	24/06/2011	HugoGirard	638440	7063935	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateNW	C	0.6	Moist		
117395	24/06/2011	HugoGirard	638410	7063968	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	0.6	Moist		
117396	24/06/2011	HugoGirard	638366	7063997	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	0.4	Moist		
117397	24/06/2011	HugoGirard	638322	7064023	UTMZ7N_WGS84	Colluvium	Green	Silt	ModerateN	C	1	Dry		
117398	24/06/2011	HugoGirard	638280	7064035	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	0.7	Dry		
117399	24/06/2011	HugoGirard	638241	7064058	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateE	C	0.7	Dry		
117400	24/06/2011	HugoGirard	638189	7064082	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.5	Dry		
117401	24/06/2011	HugoGirard	638148	7064088	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.6	Dry		
117402	24/06/2011	HugoGirard	638094	7064111	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	0.7	Dry		
117403	24/06/2011	HugoGirard	638043	7064123	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.5	Moist		
117404	24/06/2011	HugoGirard	637993	7064143	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateE	C	0.4	Moist		
117405	24/06/2011	HugoGirard	637941	7064102	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.6	Dry		
117406	24/06/2011	HugoGirard	637935	7064061	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	0.4	Moist		
117407	24/06/2011	HugoGirard	637931	7064007	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	0.4	Dry		
117408	24/06/2011	HugoGirard	637897	7063975	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	0.6	Dry		
117409	24/06/2011	HugoGirard	637857	7063934	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateSE	C	0.6	Dry		
117410	24/06/2011	HugoGirard	637809	7063913	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	0.7	Dry		
117411	24/06/2011	HugoGirard	637767	7063885	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	0.4	Dry		
117412	24/06/2011	HugoGirard	637728	7063858	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	1	Dry		
117413	24/06/2011	HugoGirard	637697	7063818	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSE	C	0.6	Moist		
117414	24/06/2011	HugoGirard	637670	7063776	UTMZ7N_WGS84	Colluvium	BrownLight		ModerateSE	C	1	Dry		
117415	24/06/2011	HugoGirard	637638	7063736	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	0.66	Dry		
117416	24/06/2011	HugoGirard	637600	7063699	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateSE	C	0.8	Dry		
117417	24/06/2011	HugoGirard	637549	7063670	UTMZ7N_WGS84	Colluvium	White	Silt	ModerateS	C	0.9	Dry		
117418	24/06/2011	HugoGirard	637523	7063632	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	1	Dry		
117419	25/06/2011	HugoGirard	633429	7069243	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.4	Moist		
117420	25/06/2011	HugoGirard	633467	7069258	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	0.6	Moist		
117421	25/06/2011	HugoGirard	633530	7069245	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.4	Moist		
117422	25/06/2011	HugoGirard	633578	7069260	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	0.3	Dry		
117423	25/06/2011	HugoGirard	633621	7069272	UTMZ7N_WGS84	Colluvium	Yellow	Gravel	ModerateE	C	0.6	Moist		
117424	25/06/2011	HugoGirard	633677	7069281	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.5	Moist		
117425	25/06/2011	HugoGirard	633723	7069276	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.3	Moist		
117426	25/06/2011	HugoGirard	633778	7069281	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	0.4	Moist		
117427	25/06/2011	HugoGirard	633820	7069289	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	0.5	Dry		
117428	25/06/2011	HugoGirard	633865	7069309	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	0.6	Dry		
117429	25/06/2011	HugoGirard	633920	7069324	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	0.6	Dry		
117430	25/06/2011	HugoGirard	633961	7069355	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateE	C	0.4	Moist		
117431	25/06/2011	HugoGirard	634005	7069385	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
117432	25/06/2011	HugoGirard	634042	7069402	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	Ridge	C	0.5	Dry		
117433	25/06/2011	HugoGirard	634087	7069406	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	0.4	Moist		
117434	25/06/2011	HugoGirard	634184	7069462	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	C	0.8	Moist		
117435	25/06/2011	HugoGirard	634232	7069480	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	0.5	Dry		
117436	25/06/2011	HugoGirard	634269	7069498	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry		
117437	25/06/2011	HugoGirard	634315	7069517	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.4	Dry		
117438	25/06/2011	HugoGirard	634377	7069524	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	0.5	Moist		
117439	25/06/2011	HugoGirard	634427	7069542	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateNE	C	0.4	Moist		
117440	25/06/2011	HugoGirard	634476	7069567	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	0.4	Dry		
117442	25/06/2011	HugoGirard	634535	7069560	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.6	Moist		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117443	25/06/2011	HugoGirard	634592	7069556	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	0.5	Dry		
117444	25/06/2011	HugoGirard	634633	7069552	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateNE	C	0.6	Dry		
117445	25/06/2011	HugoGirard	634701	7069544	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	0.5	Moist		
117446	26/06/2011	HugoGirard	633475	7063863	UTMZ7N_WGS84	Lithosoil	Brown	Clay	Ridge	B	0.3	Moist		
117447	26/06/2011	HugoGirard	633428	7063969	UTMZ7N_WGS84	Lithosoil	Brown	Clay	Ridge	B	0.4	Moist		
117448	26/06/2011	HugoGirard	633423	7064005	UTMZ7N_WGS84	Lithosoil	BrownDark	Gravel	Ridge	C	0.5	Moist		
117449	26/06/2011	HugoGirard	633423	7064056	UTMZ7N_WGS84	Lithosoil	Grey	Gravel	Ridge	B	0.5	Moist		
117450	26/06/2011	HugoGirard	633428	7064106	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Ridge	B	0.6	Moist		
117451	26/06/2011	HugoGirard	633422	7064152	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	0.6	Moist		
117452	26/06/2011	HugoGirard	633417	7064205	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	0.6	Moist		
117453	26/06/2011	HugoGirard	633421	7064258	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	0.4	Moist		
117454	26/06/2011	HugoGirard	633436	7064311	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	B	0.4	Moist		
117455	26/06/2011	HugoGirard	633444	7064355	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	B	0.4	Moist		
117456	26/06/2011	HugoGirard	633449	7064395	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.6	Moist		
117457	26/06/2011	HugoGirard	633445	7064454	UTMZ7N_WGS84		Brown	Silt	Ridge	B	0.5	Dry		
117458	26/06/2011	HugoGirard	633444	7064503	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	0.4	Moist		
117459	26/06/2011	HugoGirard	633382	7064521	UTMZ7N_WGS84	Lithosoil	Brown	Gravel	Ridge	B	0.3	Moist		
117460	26/06/2011	HugoGirard	633345	7064522	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	0.4	Moist		
117461	26/06/2011	HugoGirard	633297	7064506	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateW	B	0.6	Moist		
117462	26/06/2011	HugoGirard	633216	7064548	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	ModerateW	B	0.4	Moist		
117463	26/06/2011	HugoGirard	633187	7064522	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.5	Moist		
117464	26/06/2011	HugoGirard	633154	7064498	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	0.4	Moist		
117465	26/06/2011	HugoGirard	633041	7064488	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	C	0.7	Moist		
117466	26/06/2011	HugoGirard	633008	7064471	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateW	C	0.6	Moist		
117467	26/06/2011	HugoGirard	632964	7064450	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	0.4	Moist		
117468	26/06/2011	HugoGirard	632926	7064418	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.4	Moist		
117469	26/06/2011	HugoGirard	632879	7064402	UTMZ7N_WGS84	Colluvium	Grey	Silt	Drainage	B	0.6	Moist		
117470	26/06/2011	HugoGirard	632829	7064390	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	0.4	Dry		
117471	26/06/2011	HugoGirard	632781	7064354	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.7	Dry		
117472	26/06/2011	HugoGirard	632740	7064335	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.4	Moist		
117473	26/06/2011	HugoGirard	632705	7064315	UTMZ7N_WGS84	Colluvium	White	Silt	ModerateW	C	0.9	Dry		
117474	26/06/2011	HugoGirard	632654	7064285	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateW	C	0.6	Dry		
117475	26/06/2011	HugoGirard	632596	7064219	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.5	Dry		
117476	27/06/2011	HugoGirard	625496	7079327	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	0.9	Dry		
117477	27/06/2011	HugoGirard	625507	7079222	UTMZ7N_WGS84	Colluvium	Yellow	Silt	Ridge	C	0.5	Dry		
117478	27/06/2011	HugoGirard	625562	7079125	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.7	Dry		
117479	27/06/2011	HugoGirard	625627	7079056	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
117480	27/06/2011	HugoGirard	625686	7078972	UTMZ7N_WGS84	Colluvium	Yellow	Silt	Ridge	C	0.4	Dry		
117481	27/06/2011	HugoGirard	625745	7078880	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	1	Dry		
117482	27/06/2011	HugoGirard	625794	7078808	UTMZ7N_WGS84	Colluvium	White	Silt	Ridge	C	1	Dry		
117483	27/06/2011	HugoGirard	625859	7078733	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	1	Moist		
117484	27/06/2011	HugoGirard	625921	7078653	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	0.6	Moist		
117485	27/06/2011	HugoGirard	625973	7078572	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	0.5	Dry		
117486	27/06/2011	HugoGirard	626044	7078487	UTMZ7N_WGS84	Colluvium	Yellow	Silt	Ridge	C	0.5	Dry		
117487	27/06/2011	HugoGirard	625997	7078447	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.8	Dry		
117488	27/06/2011	HugoGirard	625971	7078417	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateSW	C	0.8	Dry		
117489	27/06/2011	HugoGirard	625922	7078384	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSW	B	0.5	Dry		
117491	27/06/2011	HugoGirard	625885	7078347	UTMZ7N_WGS84	Colluvium	Yellow	Silt	Flat	C	0.6	Dry		
117492	27/06/2011	HugoGirard	625845	7078317	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateSE	C	0.7	Dry		
117493	27/06/2011	HugoGirard	625813	7078289	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateSE	C	0.4	Dry		
117494	27/06/2011	HugoGirard	625771	7078254	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSE	B	0.4	Dry		
117495	27/06/2011	HugoGirard	625730	7078232	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	0.4	Dry		
117496	27/06/2011	HugoGirard	625656	7078163	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.6	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117497	27/06/2011	HugoGirard	625617	7078133	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
117498	27/06/2011	HugoGirard	625579	7078092	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateS	C	0.5	Dry		
117499	27/06/2011	HugoGirard	625550	7078062	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	0.3	Dry		
117500	27/06/2011	HugoGirard	625501	7078042	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	B	0.3	Dry		
117501	27/06/2011	HugoGirard	625455	7078011	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateS	B	0.9	Moist		
117502	27/06/2011	HugoGirard	625415	7077986	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	0.5	Moist		
117503	27/06/2011	HugoGirard	625377	7077949	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	0.5	Moist		
117504	27/06/2011	HugoGirard	625335	7077911	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.6	Dry		
117505	27/06/2011	HugoGirard	625288	7077897	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	0.4	Moist		
117506	27/06/2011	HugoGirard	625242	7077878	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.7	Dry		
117507	27/06/2011	HugoGirard	625200	7077857	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	0.5	Moist		
117508	28/06/2011	HugoGirard	626825	7071042	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	0.4	Dry		
117509	28/06/2011	HugoGirard	626805	7070995	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSE	B	0.3	Moist		
117510	28/06/2011	HugoGirard	626797	7070952	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSE	B	0.4	Moist		
117511	28/06/2011	HugoGirard	626796	7070899	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateSE	C	0.6	Dry		
117512	28/06/2011	HugoGirard	626784	7070853	UTMZ7N_WGS84	Colluvium	Yellow	Silt	ModerateE	C	0.6	Dry		
117513	28/06/2011	HugoGirard	626769	7070804	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	0.8	Dry		
117514	28/06/2011	HugoGirard	626758	7070749	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	0.4	Dry		
117515	28/06/2011	HugoGirard	626765	7070684	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	0.4	Dry		
117516	28/06/2011	HugoGirard	626766	7070644	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	0.3	Dry		
117517	28/06/2011	HugoGirard	626767	7070595	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	0.3	Dry		
117518	28/06/2011	HugoGirard	626773	7070554	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.3	Dry		
117519	28/06/2011	HugoGirard	626787	7070491	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	0.3	Dry		
117520	28/06/2011	HugoGirard	626782	7070452	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateE	C	0.4	Dry		
117521	28/06/2011	HugoGirard	626775	7070395	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	0.3	Dry		
117522	28/06/2011	HugoGirard	626768	7070358	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	0.4	Dry		
117523	28/06/2011	HugoGirard	626779	7070308	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	0.3	Dry		
117524	28/06/2011	HugoGirard	626769	7070263	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateS	B	0.4	Moist		
117525	28/06/2011	HugoGirard	626758	7070215	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateS	B	0.3	Moist		
117526	28/06/2011	HugoGirard	626726	7070186	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSE	B	0.4	Moist		
117527	28/06/2011	HugoGirard	626705	7070135	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	0.4	Moist		
117528	28/06/2011	HugoGirard	626682	7070082	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	0.4	Moist		
117529	28/06/2011	HugoGirard	626681	7070036	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSE	B	0.3	Moist		
117530	28/06/2011	HugoGirard	626676	7069983	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	0.7	Dry		
117531	28/06/2011	HugoGirard	626683	7069934	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateSE	B	1	Moist		
117532	28/06/2011	HugoGirard	626683	7069887	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateSE	C	0.6	Dry		
117533	28/06/2011	HugoGirard	626681	7069844	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	0.4	Moist		
117534	28/06/2011	HugoGirard	626694	7069788	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.4	Dry		
117535	28/06/2011	HugoGirard	626678	7069737	UTMZ7N_WGS84	Colluvium	Colorless	Silt	ModerateE	C	0.4	Dry		
117536	28/06/2011	HugoGirard	626670	7069690	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateE	B	0.3	Dry		
117537	28/06/2011	HugoGirard	626668	7069635	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	B	0.3	Dry		
117538	28/06/2011	HugoGirard	626653	7069582	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateS	C	0.4	Dry		
117539	28/06/2011	HugoGirard	626638	7069532	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	0.3	Moist		
117541	28/06/2011	HugoGirard	626639	7069490	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	B	0.4	Moist		
117542	28/06/2011	HugoGirard	626637	7069431	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
117543	28/06/2011	HugoGirard	626617	7069385	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateS	B	0.6	Moist		
117544	28/06/2011	HugoGirard	623740	7080112	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	0.3	Moist		
117545	29/06/2011	HugoGirard	623692	7080090	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	0.8	Moist		
117546	29/06/2011	HugoGirard	623653	7080063	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.5	Moist		
117547	29/06/2011	HugoGirard	623607	7080050	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	0.5	Moist		
117548	29/06/2011	HugoGirard	623564	7080037	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.5	Moist		
117549	29/06/2011	HugoGirard	623520	7080018	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	0.4	Moist		
117550	29/06/2011	HugoGirard	623474	7079990	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	C	0.4	Moist		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117551	29/06/2011	HugoGirard	623417	7079990	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	0.4	Moist		
117552	29/06/2011	HugoGirard	623364	7079928	UTMZ7N_WGS84	Alluvium	BrownDark	Clay	ModerateW	B	0.5	Moist		
117553	29/06/2011	HugoGirard	623366	7079888	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateS	B	0.4	Moist		
117554	29/06/2011	HugoGirard	623331	7079829	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.3	Dry		
117555	29/06/2011	HugoGirard	623322	7079775	UTMZ7N_WGS84	Colluvium	Grey	Clay	ModerateS	B	0.3	Moist		
117556	29/06/2011	HugoGirard	623307	7079721	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.4	Dry		
117557	29/06/2011	HugoGirard	623289	7079674	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.4	Dry		
117558	29/06/2011	HugoGirard	623265	7079637	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.4	Dry		
117559	29/06/2011	HugoGirard	623252	7079599	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.7	Dry		
117560	29/06/2011	HugoGirard	623218	7079552	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateS	B	0.4	Moist		
117561	29/06/2011	HugoGirard	623205	7079514	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.4	Dry		
117562	29/06/2011	HugoGirard	623182	7079457	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
117563	29/06/2011	HugoGirard	623156	7079408	UTMZ7N_WGS84	Colluvium	White	Silt	ModerateS	C	0.8	Dry		
117564	29/06/2011	HugoGirard	623122	7079368	UTMZ7N_WGS84	Colluvium	Orange	Silt	Flat	C	0.6	Dry		
117565	29/06/2011	HugoGirard	623103	7079335	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	0.5	Dry		
117566	29/06/2011	HugoGirard	623078	7079283	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.4	Dry		
117567	29/06/2011	HugoGirard	623055	7079248	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.4	Dry		
117568	29/06/2011	HugoGirard	623024	7079209	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.4	Dry		
117569	29/06/2011	HugoGirard	622992	7079173	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.5	Dry		
117570	29/06/2011	HugoGirard	622939	7079121	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.8	Dry		
117571	29/06/2011	HugoGirard	622915	7079104	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	0.4	Moist		
117572	29/06/2011	HugoGirard	622884	7079073	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.4	Dry		
117573	29/06/2011	HugoGirard	622846	7079044	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.4	Dry		
118382	21/06/2011	DrewMacPhail	641153	7062706	UTMZ7N_WGS84	Colluvium	Grey	Sand	Ridge	C	0.4	Dry		
118383	21/06/2011	DrewMacPhail	641169	7062649	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Moist		
118384	21/06/2011	DrewMacPhail	641179	7062578	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	B	0.5	Dry		
118385	21/06/2011	DrewMacPhail	641177	7062528	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118386	21/06/2011	DrewMacPhail	641148	7062483	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry		
118387	21/06/2011	DrewMacPhail	641140	7062435	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.65	Dry		
118388	21/06/2011	DrewMacPhail	641145	7062381	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateS	C	0.6	Dry		
118389	21/06/2011	DrewMacPhail	641147	7062329	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5			
118391	21/06/2011	DrewMacPhail	641144	7062274	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry		
118392	21/06/2011	DrewMacPhail	641150	7062227	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Dry		
118393	21/06/2011	DrewMacPhail	641175	7062180	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	0.45	Dry		
118394	21/06/2011	DrewMacPhail	641197	7062121	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateS	C	0.6	Dry		
118395	21/06/2011	DrewMacPhail	641219	7062080	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118396	21/06/2011	DrewMacPhail	641218	7062040	UTMZ7N_WGS84	Soil	RustyOrange	Sand	ModerateS	C	0.6	Dry		
118397	21/06/2011	DrewMacPhail	641225	7061993	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry		
118398	21/06/2011	DrewMacPhail	641269	7061941	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.45	Dry		
118399	21/06/2011	DrewMacPhail	641296	7061904	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateS	C	0.6	Dry		
118400	21/06/2011	DrewMacPhail	641332	7061863	UTMZ7N_WGS84	Colluvium	Grey	Sand	ModerateS	C	0.65	Dry		
118401	21/06/2011	DrewMacPhail	641340	7061819	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118402	21/06/2011	DrewMacPhail	641385	7061786	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry		
118403	21/06/2011	DrewMacPhail	641422	7061746	UTMZ7N_WGS84	Colluvium	Red	Sand	ModerateS	C	0.6	Dry		
118404	21/06/2011	DrewMacPhail	641444	7061706	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118405	21/06/2011	DrewMacPhail	641479	7061673	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118406	21/06/2011	DrewMacPhail	641508	7061621	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateS	C	0.6	Dry		
118407	21/06/2011	DrewMacPhail	641531	7061573	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118408	21/06/2011	DrewMacPhail	641548	7061531	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	0.6	Dry		
118409	21/06/2011	DrewMacPhail	641580	7061494	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	0.6	Dry		
118410	21/06/2011	DrewMacPhail	641609	7061453	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118411	21/06/2011	DrewMacPhail	641615	7061403	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118412	21/06/2011	DrewMacPhail	641642	7061368	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.55	Dry		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118413	21/06/2011	DrewMacPhail	641666	7061315	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateS	C	0.6	Dry		
118414	21/06/2011	DrewMacPhail	641680	7061275	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry		
118415	21/06/2011	DrewMacPhail	641708	7061237	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateS	C	0.65	Dry		
118416	21/06/2011	DrewMacPhail	641729	7061189	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118417	21/06/2011	DrewMacPhail	641753	7061134	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepS	C	0.6	Dry		
118418	22/06/2011	DrewMacPhail	635153	7066293	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.4	Dry		
118419	22/06/2011	DrewMacPhail	635222	7066243	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118420	22/06/2011	DrewMacPhail	635297	7066195	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.65	Dry		
118421	22/06/2011	DrewMacPhail	635379	7066112	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.55	Dry		
118422	22/06/2011	DrewMacPhail	635451	7066050	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.6	Dry		
118423	22/06/2011	DrewMacPhail	635536	7065980	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.65	Dry		
118424	22/06/2011	DrewMacPhail	635614	7065935	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.6	Dry		
118425	22/06/2011	DrewMacPhail	635691	7065862	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.55	Dry		
118426	22/06/2011	DrewMacPhail	635743	7065784	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry		
118427	22/06/2011	DrewMacPhail	635797	7065701	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118428	22/06/2011	DrewMacPhail	635841	7065610	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118429	22/06/2011	DrewMacPhail	635863	7065496	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Dry		
118430	22/06/2011	DrewMacPhail	635937	7065421	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118431	22/06/2011	DrewMacPhail	636007	7065361	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118432	22/06/2011	DrewMacPhail	636072	7065264	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.7	Dry		
118433	22/06/2011	DrewMacPhail	636155	7065213	UTMZ7N_WGS84	Colluvium	Grey	Sand	Ridge	C	0.6	Dry		
118434	22/06/2011	DrewMacPhail	636215	7065138	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118435	22/06/2011	DrewMacPhail	636266	7065046	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118436	22/06/2011	DrewMacPhail	636305	7064956	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118437	22/06/2011	DrewMacPhail	636358	7064862	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118438	22/06/2011	DrewMacPhail	636426	7064782	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.5	Dry		
118439	22/06/2011	DrewMacPhail	636485	7064711	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.7	Dry		
118441	25/06/2011	DrewMacPhail	633396	7067254	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.5	Dry		
118442	25/06/2011	DrewMacPhail	633382	7067299	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.6	Dry		
118443	25/06/2011	DrewMacPhail	633367	7067354	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.45	Dry		
118444	25/06/2011	DrewMacPhail	633350	7067409	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.45	Dry		
118445	25/06/2011	DrewMacPhail	633345	7067453	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.4	Dry		
118446	25/06/2011	DrewMacPhail	633351	7067504	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.6	Dry		
118447	25/06/2011	DrewMacPhail	633361	7067551	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry		
118448	25/06/2011	DrewMacPhail	633371	7067585	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.5	Dry		
118449	25/06/2011	DrewMacPhail	633397	7067623	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.6	Dry		
118450	25/06/2011	DrewMacPhail	633453	7067604	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.6	Dry		
118451	25/06/2011	DrewMacPhail	633497	7067577	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.55	Dry		
118452	25/06/2011	DrewMacPhail	633531	7067577	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.6	Frozen		
118453	25/06/2011	DrewMacPhail	633595	7067546	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.6	Dry		
118454	25/06/2011	DrewMacPhail	633639	7067548	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.5	Dry		
118455	25/06/2011	DrewMacPhail	633678	7067554	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.6	Dry		
118456	25/06/2011	DrewMacPhail	633744	7067544	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.45	Dry		
118457	25/06/2011	DrewMacPhail	633784	7067554	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.45	Dry		
118458	25/06/2011	DrewMacPhail	633837	7067557	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.65	Dry		
118459	25/06/2011	DrewMacPhail	633877	7067560	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	B	0.45	Dry		
118460	25/06/2011	DrewMacPhail	633923	7067555	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	0.45	Dry		
118461	25/06/2011	DrewMacPhail	633984	7067561	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	B	0.6	Dry		
118462	25/06/2011	DrewMacPhail	634030	7067570	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.55	Dry		
118463	25/06/2011	DrewMacPhail	634115	7067588	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.6	Dry		
118464	25/06/2011	DrewMacPhail	634165	7067606	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.6	Dry		
118465	25/06/2011	DrewMacPhail	634208	7067619	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.65	Dry		
118466	25/06/2011	DrewMacPhail	634251	7067615	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.45	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118467	25/06/2011	DrewMacPhail	634330	7067648	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateE	C	0.6	Dry		
118468	25/06/2011	DrewMacPhail	634367	7067663	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.6	Dry		
118469	25/06/2011	DrewMacPhail	634410	7067684	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.6	Dry		
118470	25/06/2011	DrewMacPhail	634456	7067695	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	C	0.5	Dry		
118471	25/06/2011	DrewMacPhail	634513	7067702	UTMZ7N_WGS84	Colluvium	Brown	Gravel	SteepE	C	0.6	Dry		
118472	25/06/2011	DrewMacPhail	634573	7067718	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateE	B	0.55	Dry		
118473	26/06/2011	DrewMacPhail	631401	7068192	UTMZ7N_WGS84	Soil	Brown	Gravel	RidgeAlpine	C	0.5	Dry		
118474	26/06/2011	DrewMacPhail	631364	7068190	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry		
118475	26/06/2011	DrewMacPhail	631332	7068209	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.5	Dry		
118476	26/06/2011	DrewMacPhail	631303	7068243	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118477	26/06/2011	DrewMacPhail	631269	7068281	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	Ridge	C	0.6	Dry		
118478	26/06/2011	DrewMacPhail	631230	7068309	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118479	26/06/2011	DrewMacPhail	631167	7068326	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118480	26/06/2011	DrewMacPhail	631129	7068342	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.5	Dry		
118481	26/06/2011	DrewMacPhail	631087	7068382	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.5	Moist		
118482	26/06/2011	DrewMacPhail	631019	7068361	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry		
118483	26/06/2011	DrewMacPhail	630919	7068353	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118484	26/06/2011	DrewMacPhail	630888	7068307	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118485	26/06/2011	DrewMacPhail	630850	7068276	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.6	Dry		
118486	26/06/2011	DrewMacPhail	630828	7068222	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	0.65	Dry		
118487	26/06/2011	DrewMacPhail	630786	7068197	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	0.65	Dry		
118488	26/06/2011	DrewMacPhail	630743	7068171	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	0.45	Dry		
118489	26/06/2011	DrewMacPhail	630693	7068152	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	0.5	Dry		
118491	26/06/2011	DrewMacPhail	630628	7068169	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	0.65	Dry		
118492	26/06/2011	DrewMacPhail	630582	7068184	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	0.5	Moist		
118493	26/06/2011	DrewMacPhail	630540	7068204	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.6	Dry		
118494	26/06/2011	DrewMacPhail	630488	7068224	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	0.6	Dry		
118495	26/06/2011	DrewMacPhail	630441	7068225	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	0.6	Wet		
118496	26/06/2011	DrewMacPhail	630401	7068265	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	0.4	Dry		
118497	26/06/2011	DrewMacPhail	630332	7068287	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	0.5	Dry		
118498	26/06/2011	DrewMacPhail	630264	7068299	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	0.6	Dry		
118499	26/06/2011	DrewMacPhail	630045	7068443	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNW	C	0.45	Dry		
118500	27/06/2011	DrewMacPhail	626904	7077419	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118501	27/06/2011	DrewMacPhail	626897	7077483	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Moist		
118502	27/06/2011	DrewMacPhail	626883	7077534	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118503	27/06/2011	DrewMacPhail	626904	7077582	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.35	Dry		
118504	27/06/2011	DrewMacPhail	626906	7077629	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.55	Dry		
118505	27/06/2011	DrewMacPhail	626927	7077672	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry		
118506	27/06/2011	DrewMacPhail	626937	7077722	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry		
118507	27/06/2011	DrewMacPhail	626973	7077764	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118508	27/06/2011	DrewMacPhail	626986	7077818	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry		
118509	27/06/2011	DrewMacPhail	627023	7077851	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Dry		
118510	27/06/2011	DrewMacPhail	626892	7077746	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry		
118511	27/06/2011	DrewMacPhail	626848	7077776	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Dry		
118512	27/06/2011	DrewMacPhail	626813	7077812	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Dry		
118513	27/06/2011	DrewMacPhail	626786	7077848	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118514	27/06/2011	DrewMacPhail	626749	7077883	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118515	27/06/2011	DrewMacPhail	626715	7077914	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118516	27/06/2011	DrewMacPhail	626678	7077962	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118517	27/06/2011	DrewMacPhail	626647	7077990	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.55	Dry		
118518	27/06/2011	DrewMacPhail	626608	7078023	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Dry		
118519	27/06/2011	DrewMacPhail	626568	7078051	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118520	27/06/2011	DrewMacPhail	626537	7078096	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Dry		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118521	27/06/2011	DrewMacPhail	626501	7078129	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118522	27/06/2011	DrewMacPhail	626473	7078155	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.65	Dry		
118523	27/06/2011	DrewMacPhail	626426	7078209	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry		
118524	27/06/2011	DrewMacPhail	626357	7078266	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118525	27/06/2011	DrewMacPhail	626309	7078281	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118526	27/06/2011	DrewMacPhail	626274	7078307	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118527	27/06/2011	DrewMacPhail	626197	7078374	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118528	27/06/2011	DrewMacPhail	626164	7078404	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	C	0.5	Dry		
118529	27/06/2011	DrewMacPhail	626085	7078460	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry		
118530	28/06/2011	DrewMacPhail	628653	7070100	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.65	Dry		
118531	28/06/2011	DrewMacPhail	628674	7070131	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry		
118532	28/06/2011	DrewMacPhail	628695	7070185	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118533	28/06/2011	DrewMacPhail	628707	7070233	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118534	28/06/2011	DrewMacPhail	628727	7070277	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.5	Dry		
118535	28/06/2011	DrewMacPhail	628743	7070324	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry		
118536	28/06/2011	DrewMacPhail	628740	7070403	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry		
118537	28/06/2011	DrewMacPhail	628794	7070459	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.45	Dry		
118538	28/06/2011	DrewMacPhail	628841	7070484	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry		
118539	28/06/2011	DrewMacPhail	628879	7070512	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry		
118540	28/06/2011	DrewMacPhail	628903	7070540	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.65	Dry		
118541	28/06/2011	DrewMacPhail	628935	7070577	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118542	28/06/2011	DrewMacPhail	628977	7070614	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	0.4	Moist		
118543	28/06/2011	DrewMacPhail	629028	7070621	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	B	0.4	Dry		
118544	28/06/2011	DrewMacPhail	629119	7070641	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118545	28/06/2011	DrewMacPhail	629188	7070632	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Dry		
118546	28/06/2011	DrewMacPhail	629236	7070671	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Dry		
118547	28/06/2011	DrewMacPhail	629279	7070694	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118548	28/06/2011	DrewMacPhail	629350	7070764	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118549	28/06/2011	DrewMacPhail	629376	7070819	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118550	28/06/2011	DrewMacPhail	629356	7070904	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.6	Dry		
118551	28/06/2011	DrewMacPhail	629288	7071012	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.65	Dry		
118552	28/06/2011	DrewMacPhail	629246	7071017	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.7	Dry		
118553	28/06/2011	DrewMacPhail	629198	7071057	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.6	Dry		
118554	28/06/2011	DrewMacPhail	629153	7071103	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.6	Dry		
118555	28/06/2011	DrewMacPhail	629130	7071150	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.5	Dry		
118556	28/06/2011	DrewMacPhail	629064	7071201	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118557	28/06/2011	DrewMacPhail	629025	7071241	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	0.5	Dry		
118558	28/06/2011	DrewMacPhail	628998	7071281	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepN	C	0.6	Dry		
118559	28/06/2011	DrewMacPhail	628958	7071313	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	0.6	Dry		
118560	28/06/2011	DrewMacPhail	628929	7071352	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.6	Dry		
118561	28/06/2011	DrewMacPhail	628902	7071392	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118562	29/06/2011	DrewMacPhail	623765	7080112	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry		
118563	29/06/2011	DrewMacPhail	623855	7080003	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.35	Dry		
118564	29/06/2011	DrewMacPhail	623909	7079919	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Moist		
118565	29/06/2011	DrewMacPhail	623944	7079807	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118566	29/06/2011	DrewMacPhail	623996	7079733	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	Ridge	C	0.5	Dry		
118567	29/06/2011	DrewMacPhail	624071	7079664	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Moist		
118568	29/06/2011	DrewMacPhail	624110	7079571	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Dry		
118569	29/06/2011	DrewMacPhail	624127	7079477	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Moist		
118570	29/06/2011	DrewMacPhail	624160	7079376	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry		
118571	29/06/2011	DrewMacPhail	624210	7079296	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry		
118572	29/06/2011	DrewMacPhail	624263	7079205	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry		
118573	29/06/2011	DrewMacPhail	624927	7079103	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Moist		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118574	29/06/2011	DrewMacPhail	624810	7079111	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	Ridge	C	0.5	Dry		
118575	29/06/2011	DrewMacPhail	624704	7079105	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.35	Dry		
118576	29/06/2011	DrewMacPhail	624602	7079092	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	Ridge	C	0.5	Dry		
118577	29/06/2011	DrewMacPhail	624513	7079082	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.55	Dry		
118578	29/06/2011	DrewMacPhail	624412	7079090	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Dry		
118579	29/06/2011	DrewMacPhail	624331	7079143	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry		
118580	29/06/2011	DrewMacPhail	624243	7079171	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.35	Moist		
118581	29/06/2011	DrewMacPhail	624239	7079068	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.65	Moist		
118582	29/06/2011	DrewMacPhail	624219	7078971	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118583	29/06/2011	DrewMacPhail	624211	7078872	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry		
118584	29/06/2011	DrewMacPhail	624197	7078783	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry		
118585	29/06/2011	DrewMacPhail	624148	7078685	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118586	29/06/2011	DrewMacPhail	624085	7078613	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118587	29/06/2011	DrewMacPhail	624022	7078539	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118588	29/06/2011	DrewMacPhail	623950	7078466	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118589	29/06/2011	DrewMacPhail	623888	7078385	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Moist		
118591	29/06/2011	DrewMacPhail	623828	7078317	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118592	29/06/2011	DrewMacPhail	623735	7078252	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Moist		
118593	30/06/2011	DrewMacPhail	622020	7083152	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry		
118594	30/06/2011	DrewMacPhail	622044	7083198	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry		
118595	30/06/2011	DrewMacPhail	622071	7083235	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Moist		
118596	30/06/2011	DrewMacPhail	622079	7083287	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry		
118597	30/06/2011	DrewMacPhail	622099	7083337	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118598	30/06/2011	DrewMacPhail	622107	7083387	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118599	30/06/2011	DrewMacPhail	622130	7083436	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118600	30/06/2011	DrewMacPhail	622144	7083485	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Moist		
118601	30/06/2011	DrewMacPhail	622192	7083505	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry		
118602	30/06/2011	DrewMacPhail	622235	7083532	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.5	Dry		
118603	30/06/2011	DrewMacPhail	622279	7083553	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.45	Moist		
118604	30/06/2011	DrewMacPhail	622314	7083579	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118605	30/06/2011	DrewMacPhail	622364	7083617	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118606	30/06/2011	DrewMacPhail	622394	7083652	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.5	Dry		
118607	30/06/2011	DrewMacPhail	622432	7083688	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118608	30/06/2011	DrewMacPhail	622467	7083724	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.55	Dry		
118609	30/06/2011	DrewMacPhail	622493	7083764	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118610	30/06/2011	DrewMacPhail	622521	7083793	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118611	30/06/2011	DrewMacPhail	622540	7083848	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118612	30/06/2011	DrewMacPhail	622553	7083892	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry		
118613	30/06/2011	DrewMacPhail	622558	7083950	UTMZ7N_WGS84	Colluvium	Grey	Sand	Ridge	C	0.5	Dry		
118614	30/06/2011	DrewMacPhail	622562	7083994	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118615	30/06/2011	DrewMacPhail	622573	7084036	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
118616	30/06/2011	DrewMacPhail	622586	7084089	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Moist		
118617	30/06/2011	DrewMacPhail	622595	7084139	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
118618	30/06/2011	DrewMacPhail	622639	7084173	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.6	Dry		
119403	20/06/2011	MartyHuber	641579	7059275	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.35	Dry	Good	AlpineBare
119404	20/06/2011	MartyHuber	641520	7059321	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Wet	Good	AlpineBare
119405	20/06/2011	MartyHuber	641489	7059366	UTMZ7N_WGS84	Soil	Brown	Silt	RidgeAlpine	C	0.4	Dry	Good	AlpineBare
119406	20/06/2011	MartyHuber	641423	7059407	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Wet	Good	AlpineBare
119407	20/06/2011	MartyHuber	641392	7059434	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.4	Dry	Good	AlpineBare
119408	20/06/2011	MartyHuber	641355	7059473	UTMZ7N_WGS84	Colluvium	Brown		RidgeAlpine	C	0.35	Dry	Good	AlpineBare
119409	20/06/2011	MartyHuber	641295	7059697	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.35	Wet	Good	AlpineBare
119410	20/06/2011	MartyHuber	641284	7059750	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.4	Wet	Good	AlpineBare
119411	20/06/2011	MartyHuber	641274	7059802	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.4	Dry	Good	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119412	20/06/2011	MartyHuber	641264	7059852	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.65	Wet	Good	SubAlpineFir
119413	20/06/2011	MartyHuber	641265	7059915	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.35	Wet	Good	SubAlpineFir
119414	20/06/2011	MartyHuber	641265	7059949	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.4	Wet	Good	ForestMixed
119416	20/06/2011	MartyHuber	641026	7060502	UTMZ7N_WGS84	Colluvium	Brown	Sand	Drainage	C	0.1	Moist	Excellent	SubAlpineFir
119417	20/06/2011	MartyHuber	640962	7060525	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.25	Dry	Excellent	ForestPine
119419	20/06/2011	MartyHuber	640783	7060472	UTMZ7N_WGS84	Colluvium	Brown	Sand	Drainage	C	0.15	Wet	Excellent	ForestMixed
119420	21/06/2011	MartyHuber	639871	7062967	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.2	Dry	Excellent	AlpineBare
119421	21/06/2011	MartyHuber	639856	7062869	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.35	Dry	Excellent	AlpineBare
119422	21/06/2011	MartyHuber	639831	7062771	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.35	Dry	Excellent	AlpineBare
119423	21/06/2011	MartyHuber	639793	7062682	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.35	Dry	Good	AlpineBare
119424	21/06/2011	MartyHuber	639817	7062562	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.35	Dry	Excellent	AlpineBare
119425	21/06/2011	MartyHuber	639853	7062494	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.4	Dry	Poor	AlpineBare
119426	21/06/2011	MartyHuber	639862	7062387	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.25	Dry	Excellent	AlpineBare
119427	21/06/2011	MartyHuber	639948	7062299	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.25	Dry	Good	AlpineBare
119428	21/06/2011	MartyHuber	640008	7062224	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.25	Dry	Excellent	AlpineBare
119429	21/06/2011	MartyHuber	640063	7062149	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.3	Dry	Good	AlpineBare
119430	21/06/2011	MartyHuber	640099	7062052	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.4	Dry	Good	AlpineBare
119431	21/06/2011	MartyHuber	640099	7061968	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.45	Dry	Good	AlpineBare
119432	21/06/2011	MartyHuber	640076	7061945	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.45	Dry	Excellent	AlpineBare
119433	21/06/2011	MartyHuber	640059	7061885	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.4	Dry	Excellent	SubAlpineBrush
119434	21/06/2011	MartyHuber	640030	7061833	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.4	Dry	Good	SubAlpineBrush
119435	21/06/2011	MartyHuber	639978	7061789	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.4	Dry	Good	SubAlpineBrush
119436	21/06/2011	MartyHuber	639949	7061777	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Dry	Good	SubAlpineAlder
119437	21/06/2011	MartyHuber	639911	7061737	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Dry	Excellent	SubAlpineAlder
119438	21/06/2011	MartyHuber	639867	7061715	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.45	Dry	Excellent	SubAlpineAlder
119439	21/06/2011	MartyHuber	639820	7061684	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry	Excellent	SubAlpineAlder
119441	21/06/2011	MartyHuber	639779	7061653	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.65	Dry	Good	SubAlpineAlder
119442	21/06/2011	MartyHuber	639745	7061605	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.55	Dry	Excellent	SubAlpineAlder
119443	21/06/2011	MartyHuber	639709	7061578	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.55	Dry	Excellent	SubAlpineAlder
119444	21/06/2011	MartyHuber	639678	7061530	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry	Excellent	SubAlpineAlder
119445	21/06/2011	MartyHuber	639644	7061495	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.65	Dry	Excellent	SubAlpineAlder
119446	21/06/2011	MartyHuber	639657	7061432	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry	Excellent	SubAlpineAlder
119447	21/06/2011	MartyHuber	639621	7061406	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.65	Dry	Good	SubAlpineAlder
119448	21/06/2011	MartyHuber	639600	7061356	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.65	Dry	Excellent	SubAlpineAlder
119449	21/06/2011	MartyHuber	639558	7061326	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.65	Dry	Excellent	SubAlpineAlder
119450	22/06/2011	MartyHuber	635176	7066269	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSE	C	0.35	Dry	Good	AlpineBare
119451	22/06/2011	MartyHuber	635269	7066221	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	0.55	Dry	Good	AlpineBare
119452	22/06/2011	MartyHuber	635345	7066152	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	C	0.5	Dry	Good	AlpineBare
119453	22/06/2011	MartyHuber	635406	7066073	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.55	Dry	Good	SubAlpineAlder
119454	22/06/2011	MartyHuber	635486	7066014	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.5	Dry	Good	SubAlpineBrush
119455	22/06/2011	MartyHuber	635567	7065952	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.5	Dry	Excellent	SubAlpineBrush
119456	22/06/2011	MartyHuber	635637	7065888	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.5	Dry	Excellent	SubAlpineAlder
119457	22/06/2011	MartyHuber	635716	7065820	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.55	Dry	Excellent	SubAlpineAlder
119458	22/06/2011	MartyHuber	635765	7065745	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.6	Dry	Good	SubAlpineBrush
119459	22/06/2011	MartyHuber	635820	7065666	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.4	Dry	Good	SubAlpineBrush
119460	22/06/2011	MartyHuber	635853	7065556	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.35	Dry	Good	SubAlpineAlder
119461	22/06/2011	MartyHuber	635937	7065487	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.45	Dry	Excellent	SubAlpineBrush
119462	22/06/2011	MartyHuber	635989	7065400	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.45	Dry	Excellent	SubAlpineAlder
119463	22/06/2011	MartyHuber	636052	7065312	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Dry	Poor	SubAlpineAlder
119464	22/06/2011	MartyHuber	636121	7065240	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	0.55	Dry	Excellent	SubAlpineAlder
119465	22/06/2011	MartyHuber	636194	7065171	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.45	Dry	Excellent	SubAlpineBrush
119466	22/06/2011	MartyHuber	636244	7065087	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Dry	Good	AlpineBare
119467	22/06/2011	MartyHuber	636279	7065005	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.35	Dry	Good	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119468	22/06/2011	MartyHuber	636334	7064905	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.5	Dry	Good	SubAlpineBrush
119469	22/06/2011	MartyHuber	636390	7064820	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.5	Dry	Excellent	AlpineBare
119470	22/06/2011	MartyHuber	636457	7064756	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.3	Dry	Good	AlpineBare
119471	24/06/2011	MartyHuber	639150	7061803	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.45	Dry	Good	SubAlpineAlder
119472	24/06/2011	MartyHuber	639134	7061752	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.45	Dry	Good	SubAlpineAlder
119473	24/06/2011	MartyHuber	639103	7061720	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.5	Dry	Good	SubAlpineAlder
119474	24/06/2011	MartyHuber	639090	7061679	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.45	Dry	Good	SubAlpineAlder
119475	24/06/2011	MartyHuber	639060	7061627	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.4	Dry	Excellent	SubAlpineAlder
119476	24/06/2011	MartyHuber	639039	7061582	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.35	Dry	Good	SubAlpineAlder
119477	24/06/2011	MartyHuber	639012	7061537	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateSW	C	0.55	Dry	Excellent	SubAlpineAlder
119478	24/06/2011	MartyHuber	638986	7061497	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.5	Dry	Excellent	SubAlpineAlder
119479	24/06/2011	MartyHuber	638954	7061451	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	0.5	Dry	Excellent	ForestMixed
119480	24/06/2011	MartyHuber	638941	7061413	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.45	Dry	Excellent	ForestMixed
119481	24/06/2011	MartyHuber	638907	7061377	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.5	Dry	Excellent	ForestMixed
119482	24/06/2011	MartyHuber	638887	7061326	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateSW	C	0.5	Dry	Excellent	ForestMixed
119483	24/06/2011	MartyHuber	638855	7061292	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.45	Dry	Excellent	ForestMixed
119484	24/06/2011	MartyHuber	638820	7061256	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.45	Dry	Excellent	ForestMixed
119485	24/06/2011	MartyHuber	638795	7061225	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.4	Dry	Excellent	ForestMixed
119486	24/06/2011	MartyHuber	638760	7061180	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.45	Dry	Good	ForestMixed
119487	24/06/2011	MartyHuber	638721	7061142	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.3	Dry	Good	ForestMixed
119488	24/06/2011	MartyHuber	638683	7061100	UTMZ7N_WGS84	Alluvium	Brown	Gravel	Ridge	C	0.35	Dry	Good	ForestMixed
119489	24/06/2011	MartyHuber	638657	7061067	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.4	Dry	Excellent	ForestMixed
119491	24/06/2011	MartyHuber	638623	7061036	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	B	0.4	Dry	Excellent	ForestMixed
119492	24/06/2011	MartyHuber	638583	7060996	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.4	Dry	Good	ForestMixed
119493	24/06/2011	MartyHuber	638540	7060985	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.45	Dry	Good	ForestMixed
119494	24/06/2011	MartyHuber	638490	7060933	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.35	Dry	Good	ForestMixed
119495	24/06/2011	MartyHuber	638473	7060885	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.45	Dry	Good	ForestMixed
119496	24/06/2011	MartyHuber	638453	7060837	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.65	Dry	Good	ForestMixed
119497	24/06/2011	MartyHuber	638459	7060784	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.5	Dry	Excellent	ForestMixed
119498	24/06/2011	MartyHuber	638438	7060742	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	0.45	Dry	Excellent	ForestMixed
119499	24/06/2011	MartyHuber	638387	7060714	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	0.35	Dry	Excellent	ForestMixed
119500	24/06/2011	MartyHuber	638364	7060667	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.25	Dry	Good	ForestMixed
119501	24/06/2011	MartyHuber	638308	7060632	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	0.5	Dry	Excellent	ForestMixed
119502	24/06/2011	MartyHuber	638279	7060607	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	0.5	Dry	Excellent	ForestMixed
119503	24/06/2011	MartyHuber	638233	7060575	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateSW	C	0.45	Dry	Good	ForestMixed
119504	25/06/2011	MartyHuber	633263	7067857	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.3	Moist	Good	AlpineBare
119505	25/06/2011	MartyHuber	633325	7067917	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.3	Moist	Good	AlpineBare
119506	25/06/2011	MartyHuber	633364	7067994	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.3	Dry	Good	AlpineBare
119507	25/06/2011	MartyHuber	633387	7068085	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.25	Moist	Good	AlpineBare
119508	25/06/2011	MartyHuber	633330	7068173	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Moist	Good	AlpineBare
119509	25/06/2011	MartyHuber	633337	7068277	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.25	Dry	Good	AlpineBare
119510	25/06/2011	MartyHuber	633339	7068375	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.4	Dry	Excellent	AlpineBare
119511	25/06/2011	MartyHuber	633313	7068468	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	0.2	Dry	Poor	AlpineBare
119512	25/06/2011	MartyHuber	633262	7068566	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Dry	Good	AlpineBare
119513	25/06/2011	MartyHuber	633264	7068662	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.3	Dry	Good	AlpineBare
119514	25/06/2011	MartyHuber	633227	7068759	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.35	Dry	Good	AlpineBare
119515	25/06/2011	MartyHuber	633187	7068847	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.35	Dry	Good	AlpineBare
119516	25/06/2011	MartyHuber	633138	7068943	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.35	Dry	Good	AlpineBare
119517	25/06/2011	MartyHuber	633099	7069012	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.45	Dry	Good	AlpineBare
119518	25/06/2011	MartyHuber	632570	7070024	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	0.25	Dry	Excellent	AlpineBare
119519	25/06/2011	MartyHuber	632685	7069791	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.35	Dry	Good	AlpineBare
119520	25/06/2011	MartyHuber	632701	7069708	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.3	Dry	Good	SubAlpineBrush
119521	25/06/2011	MartyHuber	632750	7069623	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.3	Dry	Good	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119522	25/06/2011	MartyHuber	632801	7069529	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.4	Dry	Good	SubAlpineBrush
119523	25/06/2011	MartyHuber	632844	7069448	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.45	Dry	Good	SubAlpineBrush
119524	25/06/2011	MartyHuber	632891	7069358	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.45	Dry	Good	SubAlpineBrush
119525	25/06/2011	MartyHuber	632932	7069264	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.4	Dry	Good	AlpineBare
119526	25/06/2011	MartyHuber	632984	7069172	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.35	Dry	Good	AlpineBare
119527	25/06/2011	MartyHuber	633030	7068995	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.4	Dry	Good	AlpineBare
119528	25/06/2011	MartyHuber	632929	7068973	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	0.4	Dry	Poor	AlpineBare
119529	25/06/2011	MartyHuber	632827	7068959	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.4	Dry	Good	AlpineBare
119530	25/06/2011	MartyHuber	632733	7068949	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.5	Moist	Good	SubAlpineBrush
119531	25/06/2011	MartyHuber	632629	7068936	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.4	Dry	Good	SubAlpineBrush
119532	25/06/2011	MartyHuber	632531	7068911	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	0.4	Dry	Good	SubAlpineBrush
119533	25/06/2011	MartyHuber	632443	7068903	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.4	Dry	Good	SubAlpineBrush
119534	25/06/2011	MartyHuber	632321	7068884	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Dry	Good	SubAlpineBrush
119535	25/06/2011	MartyHuber	632236	7068846	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.4	Dry	Good	SubAlpineBrush
119536	27/06/2011	MartyHuber	629926	7070158	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry	Good	BurnOld
119537	27/06/2011	MartyHuber	629904	7070119	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	BurnOld
119538	27/06/2011	MartyHuber	629884	7070079	UTMZ7N_WGS84	Colluvium	Grey	Gravel	Ridge	C	0.45	Moist	Good	BurnOld
119539	27/06/2011	MartyHuber	629819	7070057	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	BurnOld
119541	27/06/2011	MartyHuber	629794	7070020	UTMZ7N_WGS84	Colluvium	Grey	Sand	Ridge	C	0.45	Dry	Good	BurnOld
119542	27/06/2011	MartyHuber	629755	7069981	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	ForestMixed
119543	27/06/2011	MartyHuber	629711	7069960	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Good	ForestMixed
119544	27/06/2011	MartyHuber	629687	7069920	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry	Good	ForestMixed
119545	27/06/2011	MartyHuber	629646	7069881	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Excellent	ForestMixed
119546	27/06/2011	MartyHuber	629598	7069862	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry	Good	ForestMixed
119547	27/06/2011	MartyHuber	629553	7069829	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Good	ForestMixed
119548	27/06/2011	MartyHuber	629516	7069802	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	ForestMixed
119549	27/06/2011	MartyHuber	629484	7069765	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	ForestMixed
119550	27/06/2011	MartyHuber	629447	7069718	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	ForestMixed
119551	27/06/2011	MartyHuber	629402	7069709	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Dry	Good	ForestMixed
119552	27/06/2011	MartyHuber	629366	7069667	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	Ridge	C	0.45	Dry	Good	ForestAspen
119553	27/06/2011	MartyHuber	629310	7069650	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Dry	Good	ForestAspen
119554	27/06/2011	MartyHuber	629254	7069649	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	ForestMixed
119555	27/06/2011	MartyHuber	629207	7069642	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry	Excellent	ForestAspen
119556	27/06/2011	MartyHuber	629168	7069615	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	ForestMixed
119557	27/06/2011	MartyHuber	629108	7069597	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	0.45	Dry	Good	ForestMixed
119558	27/06/2011	MartyHuber	629078	7069571	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	ForestMixed
119559	27/06/2011	MartyHuber	629022	7069567	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.35	Dry	Good	ForestMixed
119560	27/06/2011	MartyHuber	628975	7069569	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry	Good	ForestAspen
119561	27/06/2011	MartyHuber	628932	7069550	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.35	Dry	Good	ForestAspen
119562	27/06/2011	MartyHuber	628873	7069507	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Dry	Good	ForestAspen
119563	27/06/2011	MartyHuber	628846	7069557	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Excellent	ForestMixed
119564	27/06/2011	MartyHuber	628828	7069600	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateN	C	0.45	Dry	Excellent	ForestMixed
119565	27/06/2011	MartyHuber	628780	7069632	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.25	Dry	Excellent	ForestMixed
119566	27/06/2011	MartyHuber	628738	7069664	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.25	Dry	Good	ForestMixed
119567	27/06/2011	MartyHuber	628699	7069693	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.35	Dry	Good	ForestMixed
119568	27/06/2011	MartyHuber	628665	7069719	UTMZ7N_WGS84	Alluvium	Grey	Gravel	ModerateN	C	0.5	Dry	Good	BurnOld
119569	28/06/2011	MartyHuber	626842	7071796	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	0.25	Dry	Good	ForestMixed
119570	28/06/2011	MartyHuber	626818	7071737	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	ForestMixed
119571	28/06/2011	MartyHuber	626813	7071684	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Good	ForestMixed
119572	28/06/2011	MartyHuber	626795	7071639	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	C	0.45	Dry	Good	ForestMixed
119573	28/06/2011	MartyHuber	626799	7071582	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry	Good	ForestMixed
119574	28/06/2011	MartyHuber	626777	7071538	UTMZ7N_WGS84	Colluvium	Grey	Silt	Ridge	C	0.45	Dry	Good	ForestMixed
119575	28/06/2011	MartyHuber	626799	7071500	UTMZ7N_WGS84	Colluvium	Grey	Sand	Ridge	C	0.35	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119576	28/06/2011	MartyHuber	626816	7071433	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Dry	Good	ForestAspen
119577	28/06/2011	MartyHuber	626806	7071385	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Dry	Good	ForestAspen
119578	28/06/2011	MartyHuber	626796	7071336	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.5	Dry	Excellent	ForestAspen
119579	28/06/2011	MartyHuber	626811	7071289	UTMZ7N_WGS84	Colluvium	Orange	Sand	Ridge	C	0.45	Dry	Good	ForestAspen
119580	28/06/2011	MartyHuber	626822	7071239	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Good	ForestMixed
119581	28/06/2011	MartyHuber	626822	7071185	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Dry	Good	ForestAspen
119582	28/06/2011	MartyHuber	626824	7071138	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry	Good	ForestAspen
119583	28/06/2011	MartyHuber	626841	7071095	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry	Excellent	ForestAspen
119584	28/06/2011	MartyHuber	626884	7071076	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.45	Dry	Good	ForestAspen
119585	28/06/2011	MartyHuber	626929	7071044	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.45	Dry	Good	ForestAspen
119586	28/06/2011	MartyHuber	626964	7071003	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.45	Dry	Excellent	ForestAspen
119587	28/06/2011	MartyHuber	627006	7070981	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.45	Dry	Good	ForestAspen
119588	28/06/2011	MartyHuber	627049	7070950	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.45	Dry	Excellent	ForestAspen
119589	28/06/2011	MartyHuber	627090	7070921	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.6	Dry	Good	ForestAspen
119591	28/06/2011	MartyHuber	627124	7070895	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.5	Dry	Excellent	ForestAspen
119592	28/06/2011	MartyHuber	627163	7070845	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.45	Dry	Excellent	ForestAspen
119593	28/06/2011	MartyHuber	627209	7070831	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.5	Dry	Excellent	ForestAspen
119594	28/06/2011	MartyHuber	627248	7070790	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.45	Dry	Excellent	ForestAspen
119595	28/06/2011	MartyHuber	627293	7070767	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.6	Dry	Good	ForestAspen
119596	28/06/2011	MartyHuber	627307	7070709	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.5	Dry	Good	ForestAspen
119597	28/06/2011	MartyHuber	627324	7070637	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.5	Dry	Good	ForestAspen
119598	28/06/2011	MartyHuber	627365	7070626	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.45	Dry	Good	ForestAspen
119599	28/06/2011	MartyHuber	627392	7070565	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry	Good	ForestAspen
119600	28/06/2011	MartyHuber	627389	7070517	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.65	Dry	Good	ForestAspen
119601	28/06/2011	MartyHuber	627402	7070474	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.55	Dry	Excellent	ForestAspen
119602	28/06/2011	MartyHuber	627396	7070432	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry	Good	ForestAspen
119603	28/06/2011	MartyHuber	627390	7070388	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.35	Dry	Good	ForestAspen
119604	28/06/2011	MartyHuber	627378	7070330	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.45	Dry	Good	ForestAspen
119605	28/06/2011	MartyHuber	627360	7070269	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.45	Dry	Good	ForestAspen
119606	28/06/2011	MartyHuber	627318	7070223	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateS	C	0.5	Dry	Good	ForestAspen
119607	29/06/2011	MartyHuber	623769	7080228	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	B	0.35	Moist	Poor	ForestMixed
119608	29/06/2011	MartyHuber	623819	7080053	UTMZ7N_WGS84	Colluvium	Brown		Ridge	C	0.35	Dry	Good	ForestMixed
119609	29/06/2011	MartyHuber	623874	7079963	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.5	Moist	Good	ForestMixed
119610	29/06/2011	MartyHuber	623884	7079856	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Moist	Good	ForestMixed
119611	29/06/2011	MartyHuber	623948	7079770	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.55	Moist	Good	ForestMixed
119612	29/06/2011	MartyHuber	624029	7079694	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Moist	Good	ForestMixed
119613	29/06/2011	MartyHuber	624085	7079612	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.5	Moist	Good	ForestMixed
119614	29/06/2011	MartyHuber	624113	7079524	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Moist	Good	ForestMixed
119615	29/06/2011	MartyHuber	624161	7079433	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Moist	Good	ForestMixed
119616	29/06/2011	MartyHuber	624197	7079359	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Moist	Good	ForestMixed
119617	29/06/2011	MartyHuber	624229	7079250	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Moist	Good	ForestMixed
119618	29/06/2011	MartyHuber	624969	7079100	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Dry	Excellent	ForestMixed
119619	29/06/2011	MartyHuber	624856	7079113	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.35	Dry	Good	ForestMixed
119620	29/06/2011	MartyHuber	624756	7079109	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.5	Dry	Excellent	ForestMixed
119621	29/06/2011	MartyHuber	624654	7079099	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.45	Dry	Excellent	ForestMixed
119622	29/06/2011	MartyHuber	624564	7079075	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Excellent	ForestMixed
119623	29/06/2011	MartyHuber	624454	7079072	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Excellent	ForestMixed
119624	29/06/2011	MartyHuber	624367	7079115	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.45	Dry	Excellent	ForestMixed
119625	29/06/2011	MartyHuber	624281	7079176	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry	Excellent	ForestMixed
119626	29/06/2011	MartyHuber	624238	7079126	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.44	Moist	Good	ForestMixed
119627	29/06/2011	MartyHuber	624251	7079018	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.55	Moist	Good	ForestMixed
119628	29/06/2011	MartyHuber	624203	7078935	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.45	Moist	Good	ForestMixed
119629	29/06/2011	MartyHuber	624188	7078831	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119630	29/06/2011	MartyHuber	624173	7078735	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.35	Dry	Excellent	ForestMixed
119631	29/06/2011	MartyHuber	624116	7078656	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.35	Dry	Good	ForestMixed
119632	29/06/2011	MartyHuber	624044	7078571	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.5	Dry	Good	ForestMixed
119633	29/06/2011	MartyHuber	623986	7078509	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.5	Dry	Excellent	ForestBirch
119634	29/06/2011	MartyHuber	623920	7078441	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.45	Dry	Excellent	ForestMixed
119635	29/06/2011	MartyHuber	623851	7078352	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.5	Dry	Good	ForestBirch
119636	29/06/2011	MartyHuber	623692	7078235	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.35	Dry	Good	ForestMixed
119637	29/06/2011	MartyHuber	623788	7078280	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.3	Dry	Good	ForestMixed
120297	20/06/2011	SteveCrowell	642785	7058562	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	0.5	Wet		
120298	20/06/2011	SteveCrowell	642839	7058558	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.45	Moist		
120299	20/06/2011	SteveCrowell	642903	7058590	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.45	Moist		
120300	20/06/2011	SteveCrowell	642940	7058635	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.4	Moist		
120301	20/06/2011	SteveCrowell	642975	7058654	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	0.3	Dry		
120302	20/06/2011	SteveCrowell	643027	7058715	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	0.4	Dry		
120303	20/06/2011	SteveCrowell	643063	7058749	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	0.6	Dry		
120304	20/06/2011	SteveCrowell	643079	7058772	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	0.4	Dry		
120305	20/06/2011	SteveCrowell	643113	7058813	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.4	Moist		
120306	20/06/2011	SteveCrowell	643146	7058855	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.45	Moist		
120307	20/06/2011	SteveCrowell	643178	7058926	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.55	Frozen		
120308	20/06/2011	SteveCrowell	643212	7058962	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.5	Dry		
120309	20/06/2011	SteveCrowell	643299	7059030	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	0.4	Dry		
120310	21/06/2011	SteveCrowell	640126	7061906	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.35	Dry		
120311	21/06/2011	SteveCrowell	640142	7061811	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.3	Dry		
120312	21/06/2011	SteveCrowell	640179	7061722	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.3	Dry		
120313	21/06/2011	SteveCrowell	640191	7061612	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.4	Dry		
120314	21/06/2011	SteveCrowell	640234	7061521	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.3	Dry		
120315	21/06/2011	SteveCrowell	640277	7061431	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.4	Dry		
120316	21/06/2011	SteveCrowell	640319	7061343	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.3	Dry		
120317	21/06/2011	SteveCrowell	640338	7061251	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.3	Dry		
120318	21/06/2011	SteveCrowell	640300	7061212	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.3	Dry		
120319	21/06/2011	SteveCrowell	640257	7061177	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.3	Dry		
120320	21/06/2011	SteveCrowell	640226	7061132	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.3	Dry		
120321	21/06/2011	SteveCrowell	640192	7061100	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.6	Dry		
120322	21/06/2011	SteveCrowell	640157	7061065	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateW	C	0.4	Moist		
120323	21/06/2011	SteveCrowell	640135	7061029	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateW	C	0.5	Moist		
120324	21/06/2011	SteveCrowell	640087	7060913	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.35	Dry		
120325	21/06/2011	SteveCrowell	640093	7060863	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.4	Moist		
120326	21/06/2011	SteveCrowell	640114	7060813	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.4	Moist		
120327	21/06/2011	SteveCrowell	640110	7060753	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.4	Dry		
120328	21/06/2011	SteveCrowell	640103	7060699	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	0.45	Dry		
120329	21/06/2011	SteveCrowell	640109	7060653	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepS	C	0.35	Dry		
120330	21/06/2011	SteveCrowell	640099	7060607	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	0.6	Dry		
120331	21/06/2011	SteveCrowell	640099	7060563	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepS	C	0.3	Dry		
120332	21/06/2011	SteveCrowell	640100	7060509	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	0.3	Dry		
120333	21/06/2011	SteveCrowell	640094	7060459	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	0.3	Dry		
120334	21/06/2011	SteveCrowell	640102	7060414	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	0.4	Dry		
120335	21/06/2011	SteveCrowell	640122	7060363	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	0.3	Dry		
120336	21/06/2011	SteveCrowell	640143	7060321	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	0.4	Dry		
120337	21/06/2011	SteveCrowell	640165	7060284	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	0.4	Dry		
120338	22/06/2011	SteveCrowell	634418	7065836	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	0.25	Wet		
120339	22/06/2011	SteveCrowell	634464	7065875	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	C	0.4	Moist		
120340	22/06/2011	SteveCrowell	634577	7065962	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	B	0.4	Dry		
120341	22/06/2011	SteveCrowell	634698	7066034	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	C	0.4	Moist		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120342	22/06/2011	SteveCrowell	634760	7066060	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	RidgeAlpine	C	0.4	Moist		
120343	22/06/2011	SteveCrowell	634835	7066087	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	C	0.4	Moist		
120344	22/06/2011	SteveCrowell	635003	7066145	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	RidgeAlpine	C	0.4	Moist		
120345	22/06/2011	SteveCrowell	635039	7066157	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	RidgeAlpine	B	0.4	Moist		
120346	22/06/2011	SteveCrowell	635076	7066177	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	B	0.4	Moist		
120347	22/06/2011	SteveCrowell	635136	7066228	UTMZ7N_WGS84	Colluvium	Brown	Clay	RidgeAlpine	C	0.45	Wet		
120348	22/06/2011	SteveCrowell	635186	7066327	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.6	Moist		
120349	22/06/2011	SteveCrowell	635206	7066378	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.6	Dry		
120351	22/06/2011	SteveCrowell	635244	7066410	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.4	Dry		
120352	22/06/2011	SteveCrowell	635278	7066426	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	0.4	Dry		
120353	22/06/2011	SteveCrowell	635329	7066438	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	B	0.3	Dry		
120354	22/06/2011	SteveCrowell	635389	7066448	UTMZ7N_WGS84	Colluvium	Brown	Gravel	Ridge	C	0.4	Moist		
120355	22/06/2011	SteveCrowell	635431	7066454	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.4	Dry		
120356	22/06/2011	SteveCrowell	635482	7066480	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.4	Moist		
120357	22/06/2011	SteveCrowell	635525	7066506	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	Ridge	C	0.45	Moist		
120358	24/06/2011	SteveCrowell	637725	7064689	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
120359	24/06/2011	SteveCrowell	637626	7064689	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.45	Dry		
120360	24/06/2011	SteveCrowell	637531	7064677	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
120361	24/06/2011	SteveCrowell	637427	7064685	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	0.6	Dry		
120362	24/06/2011	SteveCrowell	637323	7064697	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	0.8	Dry		
120363	24/06/2011	SteveCrowell	637233	7064695	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	0.6	Dry		
120364	24/06/2011	SteveCrowell	637133	7064679	UTMZ7N_WGS84	Colluvium	Tan	Sand	Ridge	C	0.6	Dry		
120365	24/06/2011	SteveCrowell	637027	7064685	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.6	Dry		
120366	24/06/2011	SteveCrowell	636944	7064636	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.45	Dry		
120367	24/06/2011	SteveCrowell	636982	7064598	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.45	Dry		
120368	24/06/2011	SteveCrowell	637019	7064573	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.4	Moist		
120369	24/06/2011	SteveCrowell	637067	7064545	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.5	Dry		
120370	24/06/2011	SteveCrowell	637088	7064505	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
120371	24/06/2011	SteveCrowell	637093	7064461	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.4	Moist		
120372	24/06/2011	SteveCrowell	637114	7064409	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.45	Moist		
120373	24/06/2011	SteveCrowell	637132	7064353	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
120374	24/06/2011	SteveCrowell	637145	7064312	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
120375	24/06/2011	SteveCrowell	637158	7064264	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
120376	24/06/2011	SteveCrowell	637172	7064218	UTMZ7N_WGS84	Colluvium	RustyRed	Gravel	ModerateS	B	0.4	Wet		
120377	24/06/2011	SteveCrowell	637182	7064164	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateS	C	0.45	Moist		
120378	24/06/2011	SteveCrowell	637196	7064112	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry		
120379	24/06/2011	SteveCrowell	637197	7064076	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.8	Dry		
120380	24/06/2011	SteveCrowell	637212	7064009	UTMZ7N_WGS84	Colluvium	RustyOrange	Clay	ModerateS	B	0.4	Wet		
120381	24/06/2011	SteveCrowell	637234	7063976	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
120382	25/06/2011	SteveCrowell	635328	7066470	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	0.6	Moist		
120383	25/06/2011	SteveCrowell	635384	7066505	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	C	0.4	Moist		
120384	25/06/2011	SteveCrowell	635415	7066534	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	0.45	Moist		
120385	25/06/2011	SteveCrowell	635461	7066558	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.45	Dry		
120386	25/06/2011	SteveCrowell	635516	7066583	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.3	Dry		
120387	25/06/2011	SteveCrowell	635553	7066601	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry		
120388	25/06/2011	SteveCrowell	635608	7066619	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.3	Dry		
120389	25/06/2011	SteveCrowell	635640	7066641	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	C	0.35	Moist		
120391	25/06/2011	SteveCrowell	635692	7066654	UTMZ7N_WGS84	Colluvium	Brown	Clay	Ridge	B	0.25	Dry		
120392	25/06/2011	SteveCrowell	635740	7066672	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.35	Dry		
120393	25/06/2011	SteveCrowell	635792	7066695	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	0.35	Dry		
120394	25/06/2011	SteveCrowell	635844	7066707	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry		
120395	25/06/2011	SteveCrowell	635919	7066729	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.4	Dry		
120396	25/06/2011	SteveCrowell	635969	7066740	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.45	Dry		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120397	25/06/2011	SteveCrowell	636010	7066771	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
120398	25/06/2011	SteveCrowell	636054	7066795	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.35	Dry		
120399	25/06/2011	SteveCrowell	636083	7066834	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.3	Dry		
120400	25/06/2011	SteveCrowell	636116	7066875	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
120401	25/06/2011	SteveCrowell	636163	7066905	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.5	Dry		
120402	25/06/2011	SteveCrowell	636204	7066927	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
120403	25/06/2011	SteveCrowell	636236	7066967	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.6	Dry		
120404	25/06/2011	SteveCrowell	636275	7066998	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.5	Dry		
120405	25/06/2011	SteveCrowell	636315	7067028	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
120406	25/06/2011	SteveCrowell	636351	7067062	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
120407	25/06/2011	SteveCrowell	636388	7067096	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.4	Dry		
120408	25/06/2011	SteveCrowell	636429	7067123	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.45	Dry		
120409	25/06/2011	SteveCrowell	636482	7067153	UTMZ7N_WGS84	Colluvium	RustyRed	Silt	Ridge	C	0.55	Dry		
120410	25/06/2011	SteveCrowell	636503	7067193	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.6	Dry		
120411	25/06/2011	SteveCrowell	636527	7067221	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	0.5	Dry		
120412	25/06/2011	SteveCrowell	636526	7067261	UTMZ7N_WGS84	Colluvium	BrownDark	Clay	Flat	B	0.5	Frozen		
120413	25/06/2011	SteveCrowell	636514	7067315	UTMZ7N_WGS84	Colluvium	RustyOrange	Clay	ModerateN	B	0.35	Moist		
120414	25/06/2011	SteveCrowell	636507	7067367	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateN	B	0.3	Dry		
120415	25/06/2011	SteveCrowell	636525	7067417	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.5	Dry		
120416	25/06/2011	SteveCrowell	636520	7067479	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	Ridge	C	0.4	Dry		
120417	26/06/2011	SteveCrowell	629364	7067923	UTMZ7N_WGS84	Colluvium	RustyOrange	Clay	Flat	C	0.4	Moist		
120418	26/06/2011	SteveCrowell	629328	7067886	UTMZ7N_WGS84	Colluvium	Tan	Clay	Flat	B	0.3	Moist		
120419	26/06/2011	SteveCrowell	629275	7067863	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateN	B	0.3	Moist		
120420	26/06/2011	SteveCrowell	629226	7067856	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	Flat	B	0.4	Moist		
120421	26/06/2011	SteveCrowell	629185	7067844	UTMZ7N_WGS84	Colluvium	RustyRed	Clay	ModerateS	C	0.4	Moist		
120422	26/06/2011	SteveCrowell	629135	7067855	UTMZ7N_WGS84	Colluvium	Tan	Clay	ModerateS	B	0.4	Moist		
120423	26/06/2011	SteveCrowell	628890	7067782	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateW	B	0.3	Moist		
120424	26/06/2011	SteveCrowell	628815	7067804	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateW	B	0.25	Moist		
120425	26/06/2011	SteveCrowell	628780	7067831	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateW	C	0.35	Moist		
120426	26/06/2011	SteveCrowell	628768	7067893	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	0.4	Wet		
120427	26/06/2011	SteveCrowell	628752	7067932	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	0.4	Moist		
120428	26/06/2011	SteveCrowell	628705	7068023	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.4	Moist		
120430	26/06/2011	SteveCrowell	628366	7068576	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
120431	26/06/2011	SteveCrowell	628365	7068609	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.45	Dry		
120432	26/06/2011	SteveCrowell	628328	7068651	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	0.6	Moist		
120433	26/06/2011	SteveCrowell	628302	7068707	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	0.45	Dry		
120434	26/06/2011	SteveCrowell	628280	7068742	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	0.6	Dry		
120435	26/06/2011	SteveCrowell	628247	7068785	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	SteepS	C	0.6	Wet		
120436	26/06/2011	SteveCrowell	628230	7068821	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	SteepS	C	0.6	Wet		
120437	26/06/2011	SteveCrowell	628204	7068870	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	0.4	Moist		
120438	26/06/2011	SteveCrowell	628151	7068895	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	B	0.45	Dry		
120439	26/06/2011	SteveCrowell	628119	7068943	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.3	Dry		
120441	27/06/2011	SteveCrowell	628820	7075323	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.6	Moist		
120442	27/06/2011	SteveCrowell	628829	7075437	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.4	Moist		
120443	27/06/2011	SteveCrowell	628833	7075525	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.4	Moist		
120444	27/06/2011	SteveCrowell	628826	7075623	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.4	Moist		
120445	27/06/2011	SteveCrowell	628780	7075715	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.45	Moist		
120446	27/06/2011	SteveCrowell	628728	7075783	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.4	Moist		
120447	27/06/2011	SteveCrowell	628683	7075877	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	Ridge	B	0.4	Moist		
120448	27/06/2011	SteveCrowell	628654	7075974	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	Ridge	C	0.5	Moist		
120449	27/06/2011	SteveCrowell	628629	7076070	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.6	Moist		
120450	27/06/2011	SteveCrowell	628604	7076160	UTMZ7N_WGS84	Colluvium	Tan	Clay	Ridge	C	0.65	Moist		
120451	27/06/2011	SteveCrowell	628579	7076265	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	0.6	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120452	27/06/2011	SteveCrowell	628579	7076369	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	0.4	Dry		
120453	27/06/2011	SteveCrowell	628558	7076460	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	0.4	Moist		
120454	27/06/2011	SteveCrowell	628524	7076552	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.4	Moist		
120455	27/06/2011	SteveCrowell	628527	7076653	UTMZ7N_WGS84	Colluvium	Tan	Silt	Ridge	C	0.35	Dry		
120456	27/06/2011	SteveCrowell	628569	7076758	UTMZ7N_WGS84	Colluvium	Tan	Clay	Ridge	C	0.8	Moist		
120457	27/06/2011	SteveCrowell	628580	7076851	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
120458	27/06/2011	SteveCrowell	628553	7076954	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	0.5	Dry		
120459	27/06/2011	SteveCrowell	628555	7077054	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.4	Dry		
120460	27/06/2011	SteveCrowell	628573	7077154	UTMZ7N_WGS84	Colluvium	Tan	Clay	Ridge	C	0.5	Moist		
120461	27/06/2011	SteveCrowell	628648	7077361	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.5	Moist		
120462	27/06/2011	SteveCrowell	628729	7077438	UTMZ7N_WGS84	Colluvium	Tan	Clay	ModerateN	C	0.4	Moist		
120463	27/06/2011	SteveCrowell	628811	7077491	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.6	Dry		
120464	27/06/2011	SteveCrowell	628887	7077554	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	0.6	Dry		
120465	27/06/2011	SteveCrowell	628916	7077585	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.3	Dry		
120466	27/06/2011	SteveCrowell	628990	7077653	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	0.4	Dry		
120467	27/06/2011	SteveCrowell	629033	7077689	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	0.5	Dry		
120468	27/06/2011	SteveCrowell	629108	7077755	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	0.4	Dry		
120469	27/06/2011	SteveCrowell	629186	7077819	UTMZ7N_WGS84	Colluvium	Yellow	Sand	Flat	C	0.55	Dry		
120470	27/06/2011	SteveCrowell	629223	7077852	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	0.4	Dry		
120471	27/06/2011	SteveCrowell	629296	7077919	UTMZ7N_WGS84	Colluvium	Tan	Silt	Flat	C	0.6	Moist		
120472	27/06/2011	SteveCrowell	629373	7077983	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.45	Dry		
120473	28/06/2011	SteveCrowell	626953	7077168	UTMZ7N_WGS84	Colluvium	Tan	Clay	Ridge	C	0.35	Moist		
120474	28/06/2011	SteveCrowell	626907	7077147	UTMZ7N_WGS84	Colluvium	Tan	Clay	Ridge	C	0.45	Moist		
120475	28/06/2011	SteveCrowell	626867	7077139	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	0.4	Dry		
120476	28/06/2011	SteveCrowell	626804	7077137	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateSW	C	0.6	Moist		
120477	28/06/2011	SteveCrowell	626765	7077095	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateSW	C	0.4	Moist		
120478	28/06/2011	SteveCrowell	626734	7077066	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.4	Moist		
120479	28/06/2011	SteveCrowell	626688	7077060	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.3	Moist		
120480	28/06/2011	SteveCrowell	626640	7077020	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.3	Moist		
120481	28/06/2011	SteveCrowell	626612	7076980	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	Ridge	C	0.5	Dry		
120482	28/06/2011	SteveCrowell	626574	7076948	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.5	Moist		
120483	28/06/2011	SteveCrowell	626550	7076903	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.35	Dry		
120484	28/06/2011	SteveCrowell	626521	7076865	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.4	Moist		
120485	28/06/2011	SteveCrowell	626426	7076743	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	Ridge	C	0.4	Moist		
120486	28/06/2011	SteveCrowell	626397	7076708	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	Ridge	C	0.4	Dry		
120487	28/06/2011	SteveCrowell	626365	7076660	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.4	Moist		
120488	28/06/2011	SteveCrowell	626342	7076621	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateS	C	0.4	Dry		
120489	28/06/2011	SteveCrowell	626315	7076587	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.4	Dry		
120491	28/06/2011	SteveCrowell	626249	7076574	UTMZ7N_WGS84	Colluvium	Tan	Clay	ModerateS	C	0.45	Moist		
120492	28/06/2011	SteveCrowell	626214	7076549	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateS	C	0.45	Moist		
120493	28/06/2011	SteveCrowell	626171	7076517	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.45	Dry		
120494	28/06/2011	SteveCrowell	626134	7076485	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.4	Moist		
120495	28/06/2011	SteveCrowell	626096	7076461	UTMZ7N_WGS84	Colluvium	Red	Clay	ModerateS	B	0.35	Moist		
120496	28/06/2011	SteveCrowell	626046	7076434	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.5	Moist		
120497	28/06/2011	SteveCrowell	626014	7076386	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateS	C	0.5	Moist		
120498	28/06/2011	SteveCrowell	625985	7076344	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.4	Moist		
120499	28/06/2011	SteveCrowell	625859	7076268	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.4	Dry		
120500	28/06/2011	SteveCrowell	625820	7076231	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.35	Dry		
120501	28/06/2011	SteveCrowell	625780	7076206	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.4	Dry		
120502	29/06/2011	SteveCrowell	625729	7080048	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.6	Dry		
120503	29/06/2011	SteveCrowell	625688	7079933	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Ridge	C	0.6	Dry		
120504	29/06/2011	SteveCrowell	625697	7079842	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateN	C	0.6	Moist		
120505	29/06/2011	SteveCrowell	625718	7079740	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.5	Wet		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120506	29/06/2011	SteveCrowell	625442	7079372	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	C	0.4	Moist		
120507	29/06/2011	SteveCrowell	625351	7079316	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Ridge	C	0.6	Dry		
120508	29/06/2011	SteveCrowell	625256	7079283	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.4	Dry		
120509	29/06/2011	SteveCrowell	625177	7079220	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
120510	29/06/2011	SteveCrowell	625074	7079163	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.5	Dry		
120511	29/06/2011	SteveCrowell	624724	7078402	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.6	Dry		
120512	29/06/2011	SteveCrowell	624713	7078361	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateSE	B	0.4	Moist		
120513	29/06/2011	SteveCrowell	624719	7078307	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	0.4	Moist		
120514	29/06/2011	SteveCrowell	624695	7078261	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.6	Moist		
120515	29/06/2011	SteveCrowell	624700	7078206	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	0.5	Moist		
120516	29/06/2011	SteveCrowell	624694	7078158	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.4	Moist		
120517	29/06/2011	SteveCrowell	624690	7078110	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.4	Moist		
120518	29/06/2011	SteveCrowell	624681	7078059	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	0.4	Moist		
120519	29/06/2011	SteveCrowell	624678	7077956	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.4	Moist		
120520	29/06/2011	SteveCrowell	624670	7077909	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.5	Moist		
120521	29/06/2011	SteveCrowell	624664	7077860	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.4	Dry		
120522	29/06/2011	SteveCrowell	624660	7077806	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.4	Moist		
120523	29/06/2011	SteveCrowell	624664	7077761	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.4	Dry		
120524	29/06/2011	SteveCrowell	624663	7077708	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.4	Dry		
120525	29/06/2011	SteveCrowell	624663	7077663	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	0.4	Dry		
120526	29/06/2011	SteveCrowell	624660	7077612	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.5	Dry		
120527	29/06/2011	SteveCrowell	624649	7077559	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	0.3	Moist		
120528	29/06/2011	SteveCrowell	624652	7077515	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSE	C	0.4	Moist		
120529	29/06/2011	SteveCrowell	624640	7077467	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateSE	B	0.4	Moist		
120530	29/06/2011	SteveCrowell	624607	7077428	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.4	Moist		
120531	29/06/2011	SteveCrowell	624556	7077347	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateSE	C	0.4	Moist		
120532	30/06/2011	SteveCrowell	623479	7082039	UTMZ7N_WGS84	Regolith	RustyOrange	Silt	Ridge	B	20	Moist	Good	ForestMixed
120533	30/06/2011	SteveCrowell	623543	7082109	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
120534	30/06/2011	SteveCrowell	623570	7082148	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	B	30	Moist	Good	ForestMixed
120535	30/06/2011	SteveCrowell	623602	7082225	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	30	Dry	Good	ForestMixed
120536	30/06/2011	SteveCrowell	623591	7082280	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	B	40	Moist	Excellent	ForestMixed
120537	30/06/2011	SteveCrowell	623573	7082318	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	B	30	Moist	Good	ForestMixed
120538	30/06/2011	SteveCrowell	623616	7082397	UTMZ7N_WGS84	Lithosoil		Silt	Ridge	B	40	Moist	Excellent	ForestMixed
120539	30/06/2011	SteveCrowell	623668	7082491	UTMZ7N_WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
120541	30/06/2011	SteveCrowell	623686	7082535	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	Ridge	B	40	Moist	Excellent	ForestMixed
120542	30/06/2011	SteveCrowell	623701	7082585	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	B	40	Moist	Excellent	ForestMixed
120543	30/06/2011	SteveCrowell	623742	7082682	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	B	30	Moist	Good	ForestMixed
120544	30/06/2011	SteveCrowell	623759	7082723	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateNE	C	35	Moist	Good	ForestMixed
120545	30/06/2011	SteveCrowell	623784	7082770	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNE	C	40	Dry	Excellent	ForestMixed
120546	30/06/2011	SteveCrowell	623804	7082808	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
120547	30/06/2011	SteveCrowell	623818	7082858	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNE	C	40	Dry	Good	ForestMixed
120548	30/06/2011	SteveCrowell	623839	7082901	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateNE	C	40	Dry	Good	ForestMixed
120549	30/06/2011	SteveCrowell	623855	7083001	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
120550	30/06/2011	SteveCrowell	623857	7083051	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Moist	Excellent	ForestMixed
120551	30/06/2011	SteveCrowell	623851	7083101	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	40	Moist	Good	ForestMixed
121264	20/06/2011	DarcyHudson	641640	7057520	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	B	0.65	Moist		
121265	20/06/2011	DarcyHudson	641600	7057575	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	B	0.5	Moist		
121266	20/06/2011	DarcyHudson	641568	7057608	UTMZ7N_WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	C	0.35	Moist		
121267	20/06/2011	DarcyHudson	641493	7057655	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	B	0.35	Moist		
121268	20/06/2011	DarcyHudson	641438	7057696	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	B	0.45	Dry		
121269	20/06/2011	DarcyHudson	641212	7057804	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.5	Moist		
121270	20/06/2011	DarcyHudson	641177	7057822	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	B	0.45	Moist		
121271	20/06/2011	DarcyHudson	641103	7057884	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.55	Moist		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121272	20/06/2011	DarcyHudson	641070	7057909	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	1	Dry		
121273	20/06/2011	DarcyHudson	641037	7057930	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	0.4	Moist		
121274	21/06/2011	DarcyHudson	639745	7063330	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	0.4	Dry		
121275	21/06/2011	DarcyHudson	639746	7063376	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	C	0.65	Dry		
121276	21/06/2011	DarcyHudson	639755	7063437	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Dry		
121277	21/06/2011	DarcyHudson	639751	7063481	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepN	C	0.55	Dry		
121278	21/06/2011	DarcyHudson	639725	7063568	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.75	Dry		
121279	21/06/2011	DarcyHudson	639665	7063700	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepN	C	0.35	Moist		
121280	21/06/2011	DarcyHudson	639651	7063742	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.6	Wet		
121281	21/06/2011	DarcyHudson	639620	7063786	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepN	C	0.55	Moist		
121282	21/06/2011	DarcyHudson	639599	7063835	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepN	C	0.55	Moist		
121283	21/06/2011	DarcyHudson	639570	7063876	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepN	C	0.45	Dry		
121284	21/06/2011	DarcyHudson	639559	7063926	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepN	C	0.5	Dry		
121285	21/06/2011	DarcyHudson	639545	7063975	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepN	C	0.55	Moist		
121286	21/06/2011	DarcyHudson	639513	7064020	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepN	C	0.55	Moist		
121287	21/06/2011	DarcyHudson	639493	7064060	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	C	0.45	Moist		
121288	21/06/2011	DarcyHudson	639500	7064117	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	SteepNE	C	0.5	Moist		
121289	21/06/2011	DarcyHudson	639478	7064160	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	0.4	Moist		
121291	21/06/2011	DarcyHudson	639451	7064207	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	0.45	Dry		
121292	21/06/2011	DarcyHudson	639443	7064251	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateNE	C	0.5	Moist		
121293	21/06/2011	DarcyHudson	639426	7064307	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateNE	C	0.65	Dry		
121294	21/06/2011	DarcyHudson	639419	7064362	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateNE	C	0.65	Dry		
121295	21/06/2011	DarcyHudson	639419	7064404	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	0.45	Dry		
121296	21/06/2011	DarcyHudson	639396	7064454	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.5	Dry		
121297	22/06/2011	DarcyHudson	639379	7064478	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	B	0.55	Dry		
121298	21/06/2011	DarcyHudson	639369	7064482	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.65	Moist		
121299	21/06/2011	DarcyHudson	639310	7064565	UTMZ7N_WGS84	Colluvium	Orange	Silt	ModerateN	C	0.65	Dry		
121300	21/06/2011	DarcyHudson	639282	7064602	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	B	0.45	Dry		
121301	21/06/2011	DarcyHudson	639240	7064631	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	0.5	Dry		
121302	21/06/2011	DarcyHudson	639208	7064673	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.45	Dry		
121303	21/06/2011	DarcyHudson	639165	7064698	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	0.65	Dry		
121304	21/06/2011	DarcyHudson	639121	7064741	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	0.65	Dry		
121305	21/06/2011	DarcyHudson	639088	7064771	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.5	Moist		
121306	21/06/2011	DarcyHudson	639046	7064793	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.4	Moist		
121307	21/06/2011	DarcyHudson	639009	7064827	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNE	C	0.75	Dry		
121308	21/06/2011	DarcyHudson	638972	7064855	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.65	Dry		
121309	21/06/2011	DarcyHudson	638936	7064895	UTMZ7N_WGS84	Colluvium	BrownLight	Clay	ModerateN	C	0.8	Moist		
121310	22/06/2011	DarcyHudson	633978	7065457	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Moist		
121311	22/06/2011	DarcyHudson	633949	7065415	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.7	Moist		
121312	22/06/2011	DarcyHudson	633914	7065371	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.75	Moist		
121313	22/06/2011	DarcyHudson	633895	7065328	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.8	Moist		
121314	22/06/2011	DarcyHudson	633874	7065281	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	0.4	Moist		
121315	22/06/2011	DarcyHudson	633854	7065228	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateSW	B	0.45	Dry		
121316	22/06/2011	DarcyHudson	633827	7065183	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.65	Moist		
121317	22/06/2011	DarcyHudson	633807	7065143	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.4	Moist		
121318	22/06/2011	DarcyHudson	633791	7065089	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.6	Moist		
121319	22/06/2011	DarcyHudson	633778	7065045	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepSW	C	0.55	Moist		
121320	22/06/2011	DarcyHudson	633758	7065005	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSW	C	0.5	Dry		
121321	22/06/2011	DarcyHudson	633733	7064958	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.6	Moist		
121322	22/06/2011	DarcyHudson	633715	7064917	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	0.4	Moist		
121323	22/06/2011	DarcyHudson	633688	7064868	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.6	Moist		
121324	22/06/2011	DarcyHudson	633668	7064830	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.55	Dry		
121325	22/06/2011	DarcyHudson	633650	7064786	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.6	Moist		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121326	22/06/2011	DarcyHudson	633622	7064742	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.45	Moist		
121327	22/06/2011	DarcyHudson	633579	7064698	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.5	Dry		
121328	22/06/2011	DarcyHudson	633553	7064665	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.5	Dry		
121329	22/06/2011	DarcyHudson	633523	7064619	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	0.6	Moist		
121330	22/06/2011	DarcyHudson	633491	7064595	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateSW	C	0.45	Moist		
121331	22/06/2011	DarcyHudson	633461	7064536	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	0.6			
121332	24/06/2011	DarcyHudson	638298	7063017	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.6	Dry		
121333	24/06/2011	DarcyHudson	638238	7063007	UTMZ7N_WGS84	Soil	BrownDark	Silt	Flat	C	0.45	Dry		
121334	24/06/2011	DarcyHudson	638190	7062996	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.5	Dry		
121335	24/06/2011	DarcyHudson	638145	7062981	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	0.45	Moist		
121336	24/06/2011	DarcyHudson	638094	7062988	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateW	C	0.5	Dry		
121337	24/06/2011	DarcyHudson	638047	7062998	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	0.6	Dry		
121338	24/06/2011	DarcyHudson	638004	7063004	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	C	0.65	Dry		
121339	24/06/2011	DarcyHudson	637955	7063019	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.65	Dry		
121341	24/06/2011	DarcyHudson	637901	7063015	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.65	Dry		
121342	24/06/2011	DarcyHudson	637861	7063000	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.65	Dry		
121343	24/06/2011	DarcyHudson	637818	7062982	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.5	Dry		
121344	24/06/2011	DarcyHudson	637773	7062963	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.55	Dry		
121345	24/06/2011	DarcyHudson	637718	7062951	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	0.45	Dry		
121346	24/06/2011	DarcyHudson	637664	7062936	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	0.5	Dry		
121347	24/06/2011	DarcyHudson	637626	7062913	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	0.45	Dry		
121348	24/06/2011	DarcyHudson	637589	7062883	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	0.65	Dry		
121349	24/06/2011	DarcyHudson	637549	7062844	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateE	C	0.6	Dry		
121350	24/06/2011	DarcyHudson	637514	7062816	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateE	B	0.4	Moist		
121351	24/06/2011	DarcyHudson	637475	7062783	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	B	0.4	Moist		
121352	24/06/2011	DarcyHudson	637438	7062747	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSE	C	0.6	Dry		
121353	24/06/2011	DarcyHudson	637398	7062720	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.45	Dry		
121354	24/06/2011	DarcyHudson	637363	7062678	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	0.5	Dry		
121355	24/06/2011	DarcyHudson	637322	7062645	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Flat	B	0.4	Moist		
121356	24/06/2011	DarcyHudson	637258	7062647	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.5	Dry		
121357	24/06/2011	DarcyHudson	637217	7062654	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	0.5	Moist		
121358	24/06/2011	DarcyHudson	637159	7062659	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	C	0.65	Dry		
121359	24/06/2011	DarcyHudson	637116	7062670	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.6	Dry		
121360	24/06/2011	DarcyHudson	637061	7062675	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	0.65	Dry		
121361	24/06/2011	DarcyHudson	637015	7062677	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	0.75	Dry		
121362	24/06/2011	DarcyHudson	636957	7062675	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNW	C	0.6	Dry		
121363	24/06/2011	DarcyHudson	636924	7062694	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	0.55	Moist		
121364	24/06/2011	DarcyHudson	636870	7062706	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNW	C	0.7	Moist		
121365	25/06/2011	DarcyHudson	633448	7066837	UTMZ7N_WGS84	Soil	Brown	Gravel	RidgeAlpine	C	0.45	Moist		
121366	25/06/2011	DarcyHudson	633426	7066916	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.5	Moist		
121367	25/06/2011	DarcyHudson	633422	7066959	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.6	Moist		
121368	25/06/2011	DarcyHudson	633406	7067008	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.45	Moist		
121369	25/06/2011	DarcyHudson	633392	7067058	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	0.5	Moist		
121370	25/06/2011	DarcyHudson	633397	7067102	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	0.4	Moist		
121371	25/06/2011	DarcyHudson	633386	7067147	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	0.4	Moist		
121372	25/06/2011	DarcyHudson	633058	7067714	UTMZ7N_WGS84	Colluvium	Brown	Gravel	RidgeAlpine	B	0.45	Dry		
121373	25/06/2011	DarcyHudson	633002	7067712	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	C	0.5	Dry		
121374	25/06/2011	DarcyHudson	632952	7067725	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	C	0.65	Dry		
121375	25/06/2011	DarcyHudson	632904	7067733	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	0.4	Moist		
121376	25/06/2011	DarcyHudson	632860	7067731	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	C	0.5	Moist		
121377	25/06/2011	DarcyHudson	632820	7067741	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	C	0.7	Dry		
121378	25/06/2011	DarcyHudson	632761	7067746	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	0.4	Moist		
121379	25/06/2011	DarcyHudson	632663	7067760	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	0.45	Dry		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121380	25/06/2011	DarcyHudson	632612	7067762	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepW	C	0.6	Dry		
121381	25/06/2011	DarcyHudson	632564	7067764	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	B	0.55	Dry		
121382	25/06/2011	DarcyHudson	632513	7067756	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepW	C	0.6	Dry		
121383	25/06/2011	DarcyHudson	632465	7067754	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	SteepW	C	0.7	Moist		
121384	25/06/2011	DarcyHudson	632415	7067736	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepW	C	0.65	Dry		
121385	25/06/2011	DarcyHudson	632366	7067720	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.75	Moist		
121386	25/06/2011	DarcyHudson	632317	7067698	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.8	Moist		
121387	25/06/2011	DarcyHudson	632278	7067690	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.75	Moist		
121388	25/06/2011	DarcyHudson	632228	7067667	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.6	Moist		
121389	25/06/2011	DarcyHudson	632187	7067646	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	C	0.65	Moist		
121391	25/06/2011	DarcyHudson	632135	7067642	UTMZ7N_WGS84	Colluvium	Brown	Gravel	SteepSW	B	0.55	Moist		
121392	25/06/2011	DarcyHudson	632089	7067622	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	C	0.55	Dry		
121393	25/06/2011	DarcyHudson	632035	7067610	UTMZ7N_WGS84	Colluvium	Brown	Gravel	SteepSW	C	0.65	Dry		
121394	25/06/2011	DarcyHudson	631999	7067590	UTMZ7N_WGS84	Colluvium	Brown	Gravel	DrainageSeasonal	C	0.65	Moist		
121395	26/06/2011	DarcyHudson	629537	7067864	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateSW	C	0.55	Dry		
121396	26/06/2011	DarcyHudson	629493	7067884	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateSW	C	0.5	Dry		
121397	26/06/2011	DarcyHudson	629456	7067908	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	0.45	Moist		
121398	26/06/2011	DarcyHudson	629412	7067937	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateW	C	0.65	Dry		
121399	26/06/2011	DarcyHudson	629432	7067985	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.75	Moist		
121400	26/06/2011	DarcyHudson	629456	7068032	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.45	Moist		
121401	26/06/2011	DarcyHudson	629470	7068081	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.45	Dry		
121402	26/06/2011	DarcyHudson	629481	7068133	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateW	C	0.7	Dry		
121403	26/06/2011	DarcyHudson	629489	7068175	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.4	Dry		
121404	26/06/2011	DarcyHudson	629501	7068224	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateNW	B	0.5	Dry		
121405	26/06/2011	DarcyHudson	629504	7068282	UTMZ7N_WGS84	Colluvium	Grey	Silt	ModerateNW	B	0.4	Dry		
121406	26/06/2011	DarcyHudson	629506	7068345	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateN	B	0.5	Dry		
121407	26/06/2011	DarcyHudson	629421	7068608	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.5	Moist		
121409	26/06/2011	DarcyHudson	629019	7069033	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	SteepS	C	0.65	Dry		
121410	26/06/2011	DarcyHudson	628989	7069083	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	SteepS	C	0.65	Dry		
121411	26/06/2011	DarcyHudson	628971	7069135	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.65	Dry		
121412	26/06/2011	DarcyHudson	628937	7069180	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.7	Dry		
121413	26/06/2011	DarcyHudson	628938	7069229	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	SteepS	C	0.65	Dry		
121414	26/06/2011	DarcyHudson	628921	7069279	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	0.6	Dry		
121415	26/06/2011	DarcyHudson	628919	7069330	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	SteepS	C	0.5	Moist		
121416	26/06/2011	DarcyHudson	628903	7069374	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	SteepS	B	0.45	Dry		
121417	26/06/2011	DarcyHudson	628899	7069414	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateS	B	0.5	Dry		
121418	27/06/2011	DarcyHudson	628095	7068993	UTMZ7N_WGS84	Colluvium	Tan	Sand	Flat	C	0.55	Dry		
121419	27/06/2011	DarcyHudson	628061	7069022	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	B	0.4	Moist		
121420	27/06/2011	DarcyHudson	628025	7069047	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.5	Moist		
121421	27/06/2011	DarcyHudson	627984	7069078	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.5	Moist		
121422	27/06/2011	DarcyHudson	627941	7069111	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateN	C	0.55	Dry		
121423	27/06/2011	DarcyHudson	627901	7069144	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateN	B	0.4	Dry		
121424	27/06/2011	DarcyHudson	627868	7069171	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateN	C	0.55	Dry		
121425	27/06/2011	DarcyHudson	627839	7069218	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	0.6	Dry		
121426	27/06/2011	DarcyHudson	627797	7069247	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateN	C	0.6	Dry		
121427	27/06/2011	DarcyHudson	627795	7069303	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.65	Moist		
121428	27/06/2011	DarcyHudson	627796	7069344	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	C	0.65	Moist		
121429	27/06/2011	DarcyHudson	627786	7069396	UTMZ7N_WGS84	Colluvium	Brown	Clay	SteepN	B	0.5	Moist		
121430	27/06/2011	DarcyHudson	627792	7069447	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.6	Dry		
121431	27/06/2011	DarcyHudson	627785	7069495	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepN	B	0.55	Dry		
121432	27/06/2011	DarcyHudson	627772	7069535	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepN	B	0.5	Moist		
121433	27/06/2011	DarcyHudson	627731	7069580	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepN	C	0.65	Moist		
121434	28/06/2011	DarcyHudson	627781	7070044	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepSW	C	0.65	Dry		

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121435	28/06/2011	DarcyHudson	627835	7070056	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepSW	C	0.6	Dry		
121436	28/06/2011	DarcyHudson	627877	7070072	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepSW	C	0.6	Dry		
121437	28/06/2011	DarcyHudson	627925	7070099	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	C	0.55	Dry		
121438	28/06/2011	DarcyHudson	627970	7070115	UTMZ7N_WGS84	Colluvium	Brown	Gravel	SteepS	B	0.4	Dry		
121439	28/06/2011	DarcyHudson	628015	7070132	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	0.5	Dry		
121441	28/06/2011	DarcyHudson	628063	7070145	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	0.5	Dry		
121442	28/06/2011	DarcyHudson	628106	7070172	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	SteepS	B	0.4	Dry		
121443	28/06/2011	DarcyHudson	628150	7070199	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	B	0.45	Dry		
121444	28/06/2011	DarcyHudson	628191	7070231	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	B	0.4	Dry		
121445	28/06/2011	DarcyHudson	628231	7070262	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateS	C	0.7	Dry		
121446	28/06/2011	DarcyHudson	628269	7070295	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
121447	28/06/2011	DarcyHudson	628311	7070320	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.35	Moist		
121448	28/06/2011	DarcyHudson	628352	7070353	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	0.45	Dry		
121449	28/06/2011	DarcyHudson	628395	7070374	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	0.6	Dry		
121450	28/06/2011	DarcyHudson	628434	7070400	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.4	Dry		
121451	28/06/2011	DarcyHudson	628484	7070418	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	0.5	Dry		
121452	28/06/2011	DarcyHudson	628529	7070444	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	0.65	Dry		
121453	28/06/2011	DarcyHudson	628581	7070440	UTMZ7N_WGS84	Colluvium	Tan	Silt	ModerateW	C	0.65	Dry		
121454	28/06/2011	DarcyHudson	628633	7070451	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.55	Dry		
121455	28/06/2011	DarcyHudson	628682	7070450	UTMZ7N_WGS84	Colluvium	Tan	Sand	ModerateW	B	0.45	Dry		
121456	28/06/2011	DarcyHudson	628722	7070461	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	0.5	Dry		
121457	28/06/2011	DarcyHudson	628774	7070497	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	B	0.4	Dry		
121458	28/06/2011	DarcyHudson	628732	7070516	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.55	Dry		
121459	28/06/2011	DarcyHudson	628690	7070540	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.6	Dry		
121460	28/06/2011	DarcyHudson	628651	7070564	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.65	Dry		
121461	28/06/2011	DarcyHudson	628612	7070585	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateN	C	0.55	Dry		
121462	28/06/2011	DarcyHudson	628558	7070616	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	0.55	Dry		
121463	28/06/2011	DarcyHudson	628518	7070641	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.45	Dry		
121464	28/06/2011	DarcyHudson	628476	7070659	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.6	Moist		
121465	28/06/2011	DarcyHudson	628431	7070686	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateN	B	0.65	Moist		
121466	28/06/2011	DarcyHudson	628280	7070774	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepN	B	0.7	Dry		
121467	29/06/2011	DarcyHudson	623780	7080752	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.45	Moist		
121468	29/06/2011	DarcyHudson	623725	7080801	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	0.65	Moist		
121469	29/06/2011	DarcyHudson	623701	7080836	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.6	Moist		
121470	29/06/2011	DarcyHudson	623658	7080878	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	B	0.45	Moist		
121471	29/06/2011	DarcyHudson	623634	7080913	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	0.5	Moist		
121472	29/06/2011	DarcyHudson	623605	7080956	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.65	Dry		
121473	29/06/2011	DarcyHudson	623570	7081000	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.6	Dry		
121474	29/06/2011	DarcyHudson	623546	7081038	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	B	0.45	Moist		
121475	29/06/2011	DarcyHudson	623513	7081070	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	B	0.4	Moist		
121476	29/06/2011	DarcyHudson	623481	7081114	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.65	Dry		
121477	29/06/2011	DarcyHudson	623442	7081159	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	Flat	C	0.5	Dry		
121478	29/06/2011	DarcyHudson	623415	7081202	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	B	0.4	Dry		
121479	29/06/2011	DarcyHudson	623223	7081160	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	0.55	Dry		
121480	29/06/2011	DarcyHudson	623262	7081186	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	C	0.6	Dry		
121481	29/06/2011	DarcyHudson	623309	7081216	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.4	Dry		
121482	29/06/2011	DarcyHudson	623357	7081232	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.5	Dry		
121483	29/06/2011	DarcyHudson	623404	7081245	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Flat	C	0.45	Dry		
121484	29/06/2011	DarcyHudson	623391	7081291	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	B	0.45	Dry		
121485	29/06/2011	DarcyHudson	623386	7081335	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	C	0.5	Dry		
121486	29/06/2011	DarcyHudson	623372	7081387	UTMZ7N_WGS84	Colluvium	Brown	Sand	Flat	C	0.6	Dry		
121487	29/06/2011	DarcyHudson	623377	7081439	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	0.4	Moist		
121488	29/06/2011	DarcyHudson	623383	7081495	UTMZ7N_WGS84	Colluvium	Brown	Clay	ModerateN	B	0.5	Moist		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121489	29/06/2011	DarcyHudson	623383	7081551	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateN	B	0.5	Moist		
121491	29/06/2011	DarcyHudson	623389	7081584	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.55	Moist		
121492	29/06/2011	DarcyHudson	623391	7081643	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	0.5	Moist		
121493	29/06/2011	DarcyHudson	623371	7081728	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	B	0.4	Moist		
121494	29/06/2011	DarcyHudson	623349	7081777	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.7	Moist		
122001	23/06/2011	DarrellKraemer	639791	7062498	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.5	Dry	Good	AlpineBare
122002	23/06/2011	DarrellKraemer	639769	7062466	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.35	Dry	Excellent	AlpineBare
122003	23/06/2011	DarrellKraemer	639736	7062434	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.55	Dry	Excellent	AlpineBare
122004	23/06/2011	DarrellKraemer	639700	7062393	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.8	Dry	Excellent	
122005	23/06/2011	DarrellKraemer	639669	7062349	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.7	Dry	Excellent	AlpineBare
122006	23/06/2011	DarrellKraemer	639602	7062279	UTMZ7N_WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	0.45	Dry	Excellent	AlpineBare
122007	23/06/2011	DarrellKraemer	639560	7062243	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.6	Dry	Excellent	AlpineBare
122008	23/06/2011	DarrellKraemer	639530	7062203	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	0.45	Dry	Excellent	AlpineBare
122009	23/06/2011	DarrellKraemer	639492	7062171	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry	Excellent	SubAlpineAlder
122010	23/06/2011	DarrellKraemer	639465	7062133	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry	Excellent	SubAlpineAlder
122011	23/06/2011	DarrellKraemer	639447	7062073	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry	Excellent	SubAlpineAlder
122012	23/06/2011	DarrellKraemer	639425	7062026	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry	Excellent	SubAlpineAlder
122013	23/06/2011	DarrellKraemer	639373	7062010	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.75	Dry	Excellent	SubAlpineAlder
122014	23/06/2011	DarrellKraemer	639343	7061968	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Frozen	Excellent	SubAlpineAlder
122015	23/06/2011	DarrellKraemer	639316	7061929	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.65	Dry	Excellent	SubAlpineAlder
122016	24/06/2011	DarrellKraemer	639253	7061907	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.7	Dry	Excellent	SubAlpineAlder
122017	24/06/2011	DarrellKraemer	639217	7061874	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry	Excellent	SubAlpineAlder
122018	24/06/2011	DarrellKraemer	639187	7061837	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateS	C	0.45	Dry	Excellent	ForestMixed
122019	24/06/2011	DarrellKraemer	639127	7061849	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.55	Moist	Good	SubAlpineAlder
122020	24/06/2011	DarrellKraemer	639096	7061843	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.6	Dry	Good	SubAlpineBrush
122021	24/06/2011	DarrellKraemer	639037	7061845	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateSW	C	0.5	Dry	Excellent	SubAlpineAlder
122022	24/06/2011	DarrellKraemer	638983	7061834	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	0.7	Dry	Excellent	ForestMixed
122023	24/06/2011	DarrellKraemer	638940	7061850	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	0.6	Dry	Excellent	SubAlpineAlder
122024	24/06/2011	DarrellKraemer	638892	7061848	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	0.6	Dry	Excellent	ForestMixed
122025	24/06/2011	DarrellKraemer	638829	7061860	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.65	Moist	Good	ForestMixed
122026	24/06/2011	DarrellKraemer	638789	7061856	UTMZ7N_WGS84	Colluvium	RustyOrange	Silt	ModerateW	C	0.6	Dry	Excellent	ForestMixed
122027	24/06/2011	DarrellKraemer	638740	7061831	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateW	C	0.5	Dry	Excellent	ForestMixed
122028	24/06/2011	DarrellKraemer	638692	7061814	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.6	Dry	Excellent	ForestMixed
122029	24/06/2011	DarrellKraemer	638640	7061816	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.45	Dry	Excellent	ForestMixed
122030	24/06/2011	DarrellKraemer	638586	7061806	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateW	C	0.6	Dry	Excellent	ForestMixed
122031	24/06/2011	DarrellKraemer	638542	7061800	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	0.6	Dry	Excellent	ForestFir
122032	24/06/2011	DarrellKraemer	638488	7061804	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.6	Dry	Excellent	ForestMixed
122033	24/06/2011	DarrellKraemer	638443	7061785	UTMZ7N_WGS84	Colluvium	RustyRed	Sand	ModerateW	C	0.65	Dry	Excellent	ForestMixed
122034	24/06/2011	DarrellKraemer	638387	7061772	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateW	C	0.6	Dry	Excellent	ForestMixed
122035	24/06/2011	DarrellKraemer	638295	7061777	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	0.5	Dry	Excellent	ForestMixed
122036	24/06/2011	DarrellKraemer	638267	7061770	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.4	Dry	Excellent	ForestMixed
122037	24/06/2011	DarrellKraemer	638245	7061762	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.6	Dry	Excellent	ForestMixed
122038	24/06/2011	DarrellKraemer	638193	7061756	UTMZ7N_WGS84	Colluvium	Green	Sand	Flat	C	0.5	Dry	Excellent	ForestMixed
122039	24/06/2011	DarrellKraemer	638142	7061770	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateW	C	0.55	Dry	Excellent	ForestAspen
122041	24/06/2011	DarrellKraemer	638081	7061746	UTMZ7N_WGS84	Colluvium	Green	Sand	ModerateW	C	0.55	Dry	Excellent	ForestMixed
122042	24/06/2011	DarrellKraemer	638039	7061729	UTMZ7N_WGS84	Colluvium	Red	Sand	ModerateW	C	0.5	Dry	Excellent	ForestMixed
122043	24/06/2011	DarrellKraemer	637995	7061699	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	0.6	Dry	Excellent	ForestMixed
122044	26/06/2011	DarrellKraemer	631689	7064599	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry	Good	SubAlpineBrush
122045	26/06/2011	DarrellKraemer	631698	7064545	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateS	C	0.3	Dry	Good	SubAlpineBrush
122046	26/06/2011	DarrellKraemer	631714	7064493	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateS	C	0.45	Dry	Excellent	SubAlpineBrush
122047	26/06/2011	DarrellKraemer	631744	7064465	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.6	Dry	Excellent	SubAlpineBrush
122048	26/06/2011	DarrellKraemer	631737	7064396	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.4	Dry	Good	SubAlpineBrush
122049	26/06/2011	DarrellKraemer	631741	7064340	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.4	Dry	Excellent	

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
122050	26/06/2011	DarrellKraemer	631772	7064304	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.35	Moist	Good	SubAlpineAlder
122051	26/06/2011	DarrellKraemer	631811	7064259	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.3	Dry	Good	SubAlpineAlder
122052	26/06/2011	DarrellKraemer	631832	7064202	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.35	Dry	Good	ForestMixed
122053	26/06/2011	DarrellKraemer	631829	7064156	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.3	Dry	Good	SubAlpineAlder
122054	26/06/2011	DarrellKraemer	631811	7064096	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.3	Dry	Good	ForestMixed
122055	26/06/2011	DarrellKraemer	631841	7064054	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.35	Dry	Good	ForestMixed
122056	26/06/2011	DarrellKraemer	631877	7064012	UTMZ7N_WGS84	Colluvium	Brown	Gravel	ModerateS	C	0.3	Dry	Good	SubAlpineAlder
122057	26/06/2011	DarrellKraemer	631889	7063960	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateS	C	0.4	Dry	Excellent	ForestMixed
122058	26/06/2011	DarrellKraemer	631917	7063920	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateE	C	0.3	Dry	Excellent	SubAlpineBrush
122059	26/06/2011	DarrellKraemer	631953	7063874	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.4	Dry	Excellent	SubAlpineBrush
122060	27/06/2011	DarrellKraemer	631975	7063821	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.4	Dry	Excellent	ForestMixed
122061	27/06/2011	DarrellKraemer	631993	7063776	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.3	Moist	Good	ForestMixed
122062	27/06/2011	DarrellKraemer	632014	7063718	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.4	Dry	Excellent	ForestMixed
122063	27/06/2011	DarrellKraemer	632038	7063657	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.4	Dry	Excellent	ForestMixed
122064	27/06/2011	DarrellKraemer	632060	7063622	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateS	C	0.35	Dry	Good	ForestMixed
122065	27/06/2011	DarrellKraemer	632066	7063562	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.25	Dry	Good	ForestMixed
122066	27/06/2011	DarrellKraemer	632079	7063522	UTMZ7N_WGS84	Colluvium	Red	Sand	ModerateS	C	0.4	Dry	Excellent	ForestMixed
122067	27/06/2011	DarrellKraemer	632070	7063463	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.8	Dry	Excellent	ForestMixed
122068	27/06/2011	DarrellKraemer	632048	7063424	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.35	Dry	Good	
122069	27/06/2011	DarrellKraemer	632043	7063374	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.35	Dry	Good	ForestMixed
122070	27/06/2011	DarrellKraemer	632039	7063334	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateW	C	0.3	Dry	Excellent	
122071	27/06/2011	DarrellKraemer	632024	7063276	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	C	0.35	Dry	Excellent	ForestMixed
122072	27/06/2011	DarrellKraemer	632048	7063226	UTMZ7N_WGS84	Colluvium	Brown	Silt	CliffBase	C	0.2	Moist	Good	ForestMixed
122073	27/06/2011	DarrellKraemer	628475	7076597	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	0.25	Moist	Poor	SubAlpineBrush
122074	27/06/2011	DarrellKraemer	628446	7076613	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.4	Moist	Good	SubAlpineBrush
122075	27/06/2011	DarrellKraemer	628399	7076632	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.35	Moist	Good	SubAlpineBrush
122076	27/06/2011	DarrellKraemer	628353	7076630	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateW	B	0.45	Moist	Good	SubAlpineBrush
122077	27/06/2011	DarrellKraemer	628299	7076638	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	0.6	Moist	Good	SubAlpineBrush
122078	27/06/2011	DarrellKraemer	628254	7076649	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.6	Moist	Good	SubAlpineBrush
122079	27/06/2011	DarrellKraemer	628198	7076659	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.7	Moist	Good	SubAlpineBrush
122080	27/06/2011	DarrellKraemer	628145	7076662	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.5	Moist	Good	SubAlpineBrush
122081	27/06/2011	DarrellKraemer	628096	7076672	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateW	B	0.3	Moist	Good	
122082	27/06/2011	DarrellKraemer	628044	7076678	UTMZ7N_WGS84	Frostboil	RustyOrange	Sand	ModerateW	C	0.5	Frozen	Excellent	BurnNew
122083	27/06/2011	DarrellKraemer	627999	7076683	UTMZ7N_WGS84	Colluvium	Red	Silt	ModerateW	C	0.35	Dry	Good	BurnNew
122084	27/06/2011	DarrellKraemer	627949	7076695	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateW	C	0.4	Dry	Excellent	SubAlpineBrush
122085	27/06/2011	DarrellKraemer	627899	7076722	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	C	0.45	Dry	Excellent	BurnNew
122086	28/06/2011	DarrellKraemer	627860	7076757	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	0.3	Dry	Good	BurnNew
122087	28/06/2011	DarrellKraemer	627827	7076783	UTMZ7N_WGS84	Colluvium	RustyOrange	Sand	ModerateW	C	0.35	Dry	Excellent	BurnNew
122088	28/06/2011	DarrellKraemer	627791	7076821	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateW	C	0.4	Dry	Excellent	BurnNew
122089	28/06/2011	DarrellKraemer	627763	7076851	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	ModerateW	B	0.4	Moist	Good	BurnNew
122090	28/06/2011	DarrellKraemer	627714	7076885	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateW	C	0.4	Frozen	Excellent	BurnNew
122091	28/06/2011	DarrellKraemer	627685	7076910	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateW	C	0.4	Dry	Excellent	BurnOld
122092	28/06/2011	DarrellKraemer	627625	7076922	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.3	Frozen	Excellent	BurnOld
122093	28/06/2011	DarrellKraemer	627578	7076945	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.4	Dry	Excellent	BurnOld
122094	28/06/2011	DarrellKraemer	627533	7076945	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.3	Frozen	Excellent	BurnOld
122095	28/06/2011	DarrellKraemer	627485	7076972	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.5	Dry	Excellent	BurnOld
122096	28/06/2011	DarrellKraemer	627440	7076985	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateW	C	0.5	Dry	Excellent	BurnOld
122097	28/06/2011	DarrellKraemer	627386	7076991	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	Depression	B	0.45	Moist	Excellent	BurnOld
122098	28/06/2011	DarrellKraemer	627344	7076997	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	0.3	Wet	Good	SubAlpineBrush
122099	28/06/2011	DarrellKraemer	627291	7077012	UTMZ7N_WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	0.4	Moist	Good	SubAlpineBrush
122100	28/06/2011	DarrellKraemer	627241	7077016	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	B	0.35	Moist	Good	SubAlpineBrush
122101	28/06/2011	DarrellKraemer	627189	7077027	UTMZ7N_WGS84	Colluvium	Orange	Silt	Ridge	B	0.3	Moist	Good	SubAlpineBrush
122102	28/06/2011	DarrellKraemer	627069	7075980	UTMZ7N_WGS84	Colluvium	Red	Sand	SteepS	C	0.4	Dry	Excellent	ForestAspen

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
122103	28/06/2011	DarrellKraemer	627093	7076019	UTMZ7N_WGS84	Colluvium	Orange	Sand	SteepS	C	0.35	Frozen	Excellent	ForestMixed
122104	28/06/2011	DarrellKraemer	627105	7076061	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateS	C	0.35	Dry	Excellent	ForestMixed
122105	28/06/2011	DarrellKraemer	627131	7076102	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.35	Dry	Excellent	ForestMixed
122106	28/06/2011	DarrellKraemer	627148	7076153	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateS	C	0.5	Dry	Excellent	ForestMixed
122107	28/06/2011	DarrellKraemer	627178	7076195	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.5	Dry	Excellent	ForestMixed
122108	28/06/2011	DarrellKraemer	627204	7076242	UTMZ7N_WGS84	Colluvium	BrownLight	Gravel	ModerateS	C	0.6	Dry	Excellent	ForestMixed
122109	28/06/2011	DarrellKraemer	627222	7076283	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.5	Dry	Excellent	ForestMixed
122110	28/06/2011	DarrellKraemer	627220	7076334	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.4	Dry	Excellent	ForestMixed
122111	28/06/2011	DarrellKraemer	627228	7076388	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.4	Dry	Excellent	ForestMixed
122112	28/06/2011	DarrellKraemer	627225	7076432	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateS	C	0.52	Dry	Excellent	ForestMixed
122113	28/06/2011	DarrellKraemer	627232	7076488	UTMZ7N_WGS84	Colluvium	Orange	Sand	ModerateS	C	0.4	Dry	Excellent	ForestMixed
122114	28/06/2011	DarrellKraemer	627237	7076539	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSE	B	0.6	Moist	Good	ForestMixed
122115	28/06/2011	DarrellKraemer	627240	7076586	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.45	Dry	Excellent	ForestMixed
122116	28/06/2011	DarrellKraemer	627227	7076640	UTMZ7N_WGS84	Colluvium	BrownLight	Sand	ModerateSE	C	0.5	Dry	Excellent	ForestMixed
122117	29/06/2011	DarrellKraemer	627230	7076684	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	C	0.6	Moist	Good	ForestMixed
122118	29/06/2011	DarrellKraemer	627220	7076734	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	0.6	Frozen	Good	ForestMixed
122119	29/06/2011	DarrellKraemer	627209	7076787	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	0.4	Moist	Good	ForestMixed
122120	29/06/2011	DarrellKraemer	627195	7076849	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	0.4	Moist	Good	ForestMixed
122121	29/06/2011	DarrellKraemer	627202	7076883	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	0.4	Moist	Good	SubAlpineBrush
122122	29/06/2011	DarrellKraemer	627193	7076934	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateSW	B	0.4	Dry	Good	SubAlpineAlder
122123	29/06/2011	DarrellKraemer	627183	7076983	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	0.35	Moist	Good	ForestMixed
122124	29/06/2011	DarrellKraemer	627155	7077058	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	0.4	Wet	Good	SubAlpineBrush
122125	29/06/2011	DarrellKraemer	627109	7077090	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateSW	B	0.4	Moist	Good	SubAlpineBrush
122126	29/06/2011	DarrellKraemer	627061	7077123	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	0.3	Moist	Good	SubAlpineBrush
122127	29/06/2011	DarrellKraemer	627025	7077154	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	0.3	Moist	Poor	SubAlpineBrush
122128	29/06/2011	DarrellKraemer	626988	7077179	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	0.3	Moist	Poor	SubAlpineBrush
122129	29/06/2011	DarrellKraemer	626968	7077216	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	Ridge	B	0.3	Frozen	Poor	SubAlpineBrush
122130	29/06/2011	DarrellKraemer	626955	7077274	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	A	0.2	Moist	Poor	SubAlpineBrush

Appendix C - Analytical Certifications (Volume II)

2011 Surface Work

**On the
Burnham Property**

BH 1 to 200 YE25001 to YE25200
BH 201 to 376 YE46201 to YE46376
BH 377 to 660 YE45377 to YE45660

**Dawson Mining District, Yukon
NTS Sheets 115015 (Flat Creek) & 115009 (Australia Mountain)
63°42'N. Lat., 138°18'W. Long.**

Operated by and Recorded to



**By
Mark Fekete, P.Geo.
and
Ben Dubois, B.Sc., G.I.T
January 30, 2012**



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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

Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 12, 2011
Report Date: August 07, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000545.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 20110703/202404
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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: Burnham
 Report Date: August 07, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	Unit	MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
102215	Soil			0.2	5.3	6.8	25	<0.1	11.8	8.4	110	2.45	4.4	3.0	<0.5	22.6	12	<0.1	0.1	0.4	41	0.19	0.097
102216	Soil			0.7	8.7	14.5	64	<0.1	11.5	6.3	224	3.23	7.0	6.4	1.1	25.2	6	<0.1	0.3	0.5	43	0.15	0.085
102217	Soil			0.7	10.2	17.7	78	<0.1	9.5	6.0	257	3.22	5.4	3.9	0.8	24.9	4	<0.1	0.3	0.6	27	0.08	0.050
102218	Soil			0.7	14.2	71.3	71	<0.1	11.7	6.2	192	2.53	7.6	5.8	2.9	26.0	6	<0.1	0.4	1.2	29	0.09	0.037
102219	Soil			1.0	6.8	22.0	51	<0.1	7.0	4.0	150	2.93	22.4	9.4	3.2	35.1	6	<0.1	0.4	0.7	11	0.07	0.063
102220	Soil			0.5	7.1	12.5	70	<0.1	9.3	5.9	492	3.06	3.1	10.8	1.5	44.2	5	<0.1	0.1	0.4	16	0.21	0.132
102221	Soil			0.6	5.4	10.1	35	<0.1	5.7	4.8	401	1.08	3.4	6.7	0.8	22.4	6	<0.1	0.2	1.5	15	0.24	0.109
102222	Soil			0.6	4.7	11.0	79	<0.1	6.5	5.2	453	3.02	6.1	4.7	1.1	31.3	5	<0.1	0.2	0.5	21	0.13	0.100
102223	Soil			0.6	12.8	9.0	71	<0.1	11.6	7.2	355	3.14	8.5	7.9	0.5	39.8	8	<0.1	0.2	0.4	36	0.22	0.117
102224	Soil			0.8	18.4	10.0	73	<0.1	15.9	9.0	387	3.87	6.1	13.1	3.1	52.0	7	<0.1	0.2	0.4	44	0.20	0.114
103398	Soil			1.0	20.3	10.4	49	<0.1	18.1	6.8	187	2.09	11.5	1.4	4.6	13.7	13	0.2	0.6	0.2	44	0.12	0.024
103399	Soil			0.5	12.0	18.1	60	<0.1	11.5	7.4	291	3.11	4.8	3.2	2.9	55.0	12	0.1	0.4	0.3	31	0.35	0.141
103400	Soil			1.0	12.7	13.1	78	<0.1	17.1	9.3	379	3.45	8.6	1.1	0.7	36.1	9	0.1	0.4	0.4	52	0.16	0.077
103401	Soil			1.2	8.2	10.9	41	<0.1	11.3	4.8	139	2.31	7.3	0.6	2.5	5.1	9	0.1	0.4	0.2	63	0.09	0.027
103402	Soil			0.9	17.6	10.4	53	<0.1	16.8	7.9	250	2.77	8.7	1.3	4.7	12.7	11	<0.1	0.5	0.2	48	0.12	0.030
103403	Soil			1.2	20.7	11.9	54	<0.1	20.0	12.7	371	3.30	12.7	1.6	4.0	13.5	12	<0.1	0.7	0.2	56	0.11	0.024
103404	Soil			1.0	14.8	14.3	62	<0.1	16.9	8.4	298	3.22	7.1	1.2	0.6	25.3	10	<0.1	0.4	0.3	43	0.13	0.036
103405	Soil			0.7	14.0	19.0	52	<0.1	9.2	4.4	249	2.74	6.6	5.1	2.8	42.6	13	<0.1	0.4	0.3	18	0.28	0.085
103406	Soil			1.3	20.8	11.8	55	<0.1	23.6	10.0	246	2.89	11.7	1.0	2.3	15.4	11	<0.1	0.7	0.2	54	0.12	0.031
103407	Soil			1.2	17.4	15.4	57	<0.1	25.4	11.0	220	3.18	7.7	0.9	1.2	18.3	9	<0.1	0.6	0.3	63	0.08	0.021
103408	Soil			0.9	22.9	14.5	59	<0.1	24.2	9.1	227	2.71	9.7	1.3	3.2	26.3	12	<0.1	0.6	0.2	51	0.15	0.044
103409	Soil			1.2	11.9	13.0	49	<0.1	14.6	6.4	231	2.72	6.6	1.4	<0.5	17.7	8	<0.1	0.4	0.3	40	0.17	0.069
103410	Soil			0.5	14.8	8.3	31	<0.1	14.0	5.5	183	1.50	6.3	3.2	1.7	30.9	12	<0.1	0.4	0.3	34	0.24	0.086
103411	Soil			1.1	9.5	12.5	69	<0.1	10.2	6.4	286	3.41	8.5	2.1	<0.5	18.5	7	0.1	0.3	0.3	31	0.29	0.163
103412	Soil			1.0	10.3	16.1	48	<0.1	13.0	7.0	119	3.18	6.7	3.4	<0.5	49.3	8	<0.1	0.4	0.3	22	0.14	0.068
103413	Soil			0.8	19.2	11.0	47	<0.1	18.0	7.5	193	2.49	11.1	1.4	1.6	10.6	12	<0.1	0.5	0.2	48	0.12	0.025
103414	Soil			1.0	32.7	14.6	62	0.1	27.8	10.6	434	2.95	10.4	1.9	2.3	17.8	14	0.2	0.7	0.2	57	0.13	0.024
103415	Soil			0.9	13.1	14.0	80	<0.1	16.7	9.8	375	4.18	6.2	1.1	<0.5	24.9	9	0.1	0.3	0.3	47	0.16	0.065
103416	Soil			0.7	20.6	12.8	49	<0.1	19.8	9.1	207	2.54	10.5	0.7	1.2	11.3	9	0.1	0.6	0.2	48	0.08	0.023
103417	Soil			0.9	22.9	14.5	57	0.1	19.4	8.0	214	2.52	9.9	0.9	2.0	8.6	10	<0.1	0.5	0.2	56	0.09	0.018

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.



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Project: Burnham
 Report Date: August 07, 2011

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.5	0.2
102215	Soil	35	18	0.27	196	0.135	<1	2.52	0.008	0.36	3.4	<0.01	3.8	0.3	<0.05	9	0.6	<0.2
102216	Soil	70	20	0.41	96	0.042	<1	2.08	0.005	0.25	0.7	0.01	3.2	0.4	<0.05	10	1.3	<0.2
102217	Soil	18	15	0.31	90	0.017	<1	1.95	0.005	0.15	0.2	0.02	2.1	0.4	<0.05	9	0.8	<0.2
102218	Soil	50	17	0.28	92	0.033	<1	1.51	0.005	0.10	0.3	0.03	2.4	0.3	<0.05	6	0.8	<0.2
102219	Soil	54	10	0.13	87	0.005	<1	1.17	0.005	0.07	0.1	<0.01	1.3	0.4	<0.05	4	1.4	<0.2
102220	Soil	79	15	0.22	83	0.006	<1	1.80	0.007	0.14	0.8	<0.01	2.2	0.1	<0.05	8	1.1	<0.2
102221	Soil	42	12	0.12	52	0.008	<1	1.09	0.004	0.07	2.4	<0.01	1.4	0.1	<0.05	4	0.9	<0.2
102222	Soil	41	12	0.22	56	0.040	<1	1.65	0.007	0.27	0.2	<0.01	1.9	0.4	<0.05	8	0.9	<0.2
102223	Soil	103	19	0.44	113	0.173	<1	2.01	0.008	0.62	0.2	<0.01	3.6	0.9	<0.05	9	0.9	<0.2
102224	Soil	135	23	0.51	117	0.167	<1	2.57	0.009	0.62	0.8	<0.01	3.9	0.8	<0.05	11	1.5	<0.2
103398	Soil	41	28	0.39	159	0.037	<1	1.49	0.007	0.05	0.2	0.03	4.1	0.1	<0.05	5	0.6	<0.2
103399	Soil	82	18	0.44	160	0.042	<1	1.68	0.005	0.17	0.1	0.01	4.6	0.2	<0.05	11	1.4	<0.2
103400	Soil	14	27	0.48	180	0.116	<1	2.39	0.009	0.32	0.3	0.02	3.4	0.5	<0.05	11	<0.5	<0.2
103401	Soil	14	25	0.29	145	0.053	<1	1.80	0.007	0.08	0.1	0.01	2.2	0.2	0.07	7	0.5	<0.2
103402	Soil	37	26	0.41	199	0.101	<1	1.80	0.007	0.20	0.2	0.02	3.3	0.3	<0.05	7	0.8	<0.2
103403	Soil	33	36	0.47	229	0.074	<1	2.14	0.008	0.11	0.2	0.02	5.2	0.2	<0.05	6	0.9	<0.2
103404	Soil	23	27	0.44	208	0.092	<1	2.19	0.007	0.27	0.2	<0.01	3.5	0.5	<0.05	8	0.6	<0.2
103405	Soil	88	12	0.26	200	0.021	<1	1.54	0.004	0.16	0.1	0.02	3.5	0.3	<0.05	6	1.2	<0.2
103406	Soil	21	33	0.49	204	0.060	<1	2.06	0.007	0.08	0.2	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
103407	Soil	12	32	0.39	215	0.113	<1	3.02	0.009	0.14	0.1	0.02	2.9	0.3	<0.05	9	<0.5	<0.2
103408	Soil	34	32	0.44	153	0.043	<1	1.82	0.007	0.07	0.2	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
103409	Soil	18	23	0.32	120	0.044	<1	1.64	0.007	0.11	0.2	<0.01	2.0	0.2	<0.05	8	0.7	<0.2
103410	Soil	45	20	0.33	108	0.027	<1	1.17	0.007	0.05	0.1	0.01	3.7	<0.1	<0.05	3	0.9	<0.2
103411	Soil	17	17	0.30	79	0.068	<1	1.72	0.007	0.32	0.2	<0.01	2.3	0.4	<0.05	10	0.7	<0.2
103412	Soil	42	11	0.14	175	0.003	<1	1.34	0.005	0.07	0.1	<0.01	3.0	0.2	<0.05	5	<0.5	<0.2
103413	Soil	38	27	0.44	185	0.052	<1	1.55	0.007	0.05	0.2	0.03	4.1	0.1	<0.05	5	0.7	<0.2
103414	Soil	36	36	0.44	318	0.040	<1	2.03	0.009	0.06	0.2	0.03	5.1	0.2	<0.05	6	0.7	<0.2
103415	Soil	17	26	0.52	164	0.141	<1	2.51	0.007	0.46	0.2	<0.01	3.9	0.7	<0.05	13	<0.5	<0.2
103416	Soil	17	31	0.45	146	0.046	<1	1.86	0.006	0.05	0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
103417	Soil	25	30	0.37	203	0.047	<1	1.75	0.008	0.04	0.2	0.02	3.2	0.1	<0.05	5	<0.5	<0.2



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Page: 3 of 12 Part 1

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001
103418	Soil		1.0	19.6	15.4	50	0.1	18.5	7.4	198	2.60	8.9	1.5	1.6	14.9	11	<0.1	0.6	0.2	55	0.10	0.017
103419	Soil		1.1	23.1	15.8	49	<0.1	18.7	7.2	188	2.55	9.9	1.4	1.9	13.6	9	<0.1	0.6	0.2	50	0.08	0.019
103420	Soil		1.3	13.3	15.2	70	0.1	17.7	9.2	253	2.81	11.7	1.2	<0.5	9.3	9	0.2	0.6	0.2	54	0.08	0.045
103421	Soil		1.2	19.1	17.0	57	<0.1	20.2	9.4	246	2.85	11.3	1.4	<0.5	13.5	8	<0.1	0.7	0.2	47	0.07	0.024
103422	Soil		1.4	14.1	14.4	54	<0.1	17.5	7.7	221	2.67	7.8	1.4	0.6	11.4	9	<0.1	0.5	0.2	46	0.08	0.025
103423	Soil		1.3	12.1	14.1	47	<0.1	10.7	4.9	127	2.34	3.1	3.2	<0.5	27.0	8	<0.1	0.4	0.2	26	0.10	0.024
103424	Soil		2.2	8.3	13.7	52	<0.1	15.7	5.3	251	2.73	10.3	1.4	1.2	6.0	10	0.1	0.6	0.3	49	0.09	0.071
103425	Soil		1.1	21.9	10.7	49	<0.1	20.0	7.9	248	2.41	9.3	1.6	3.6	12.6	13	<0.1	0.6	0.2	36	0.20	0.067
103426	Soil		1.7	6.4	13.5	34	<0.1	7.9	3.5	179	2.19	8.2	1.8	<0.5	5.9	6	<0.1	0.3	0.3	32	0.10	0.063
103427	Soil		1.3	13.4	11.0	47	<0.1	12.9	4.9	188	2.13	6.5	3.0	1.5	16.7	11	<0.1	0.5	0.2	32	0.16	0.041
103428	Soil		1.3	13.3	11.8	49	<0.1	13.7	5.5	189	2.41	8.0	2.5	1.8	13.6	11	<0.1	0.5	0.2	38	0.14	0.040
103429	Soil		1.4	11.6	12.8	49	<0.1	12.9	5.5	202	2.46	7.3	1.8	0.9	12.7	10	<0.1	0.5	0.2	38	0.15	0.051
103430	Soil		1.1	8.1	12.0	37	<0.1	9.7	4.6	151	2.73	8.8	0.7	2.2	3.2	9	<0.1	0.5	0.2	61	0.08	0.031
103431	Soil		1.2	7.9	12.4	30	<0.1	9.0	3.4	100	2.61	8.8	0.6	1.5	1.8	9	<0.1	0.5	0.3	55	0.07	0.028
103432	Soil		1.1	17.4	12.5	61	<0.1	21.9	8.6	230	2.70	12.8	0.9	3.2	7.4	9	<0.1	0.7	0.2	51	0.07	0.027
103433	Soil		1.1	16.9	14.4	53	0.1	17.7	8.4	283	2.75	9.3	2.0	3.1	11.8	11	<0.1	0.7	0.2	57	0.11	0.031
103434	Soil		1.0	13.4	11.1	53	<0.1	18.8	7.9	210	3.05	11.9	0.7	3.4	5.6	8	0.1	0.7	0.2	48	0.07	0.027
103435	Soil		1.3	10.6	10.9	49	<0.1	15.6	6.3	207	2.68	9.1	1.5	1.2	7.9	8	<0.1	0.5	0.3	47	0.09	0.031
103436	Soil		1.0	11.9	10.7	47	<0.1	15.7	7.1	243	2.57	9.6	1.9	1.4	8.5	9	<0.1	0.6	0.4	49	0.11	0.034
103437	Soil		1.3	19.2	12.2	57	<0.1	20.5	7.2	246	2.55	10.6	2.8	2.1	7.6	14	<0.1	0.7	0.4	52	0.14	0.031
103438	Soil		1.0	15.7	10.7	52	<0.1	16.6	6.3	216	2.31	8.2	2.8	2.6	7.0	12	<0.1	0.5	0.3	44	0.14	0.043
103439	Soil		0.8	15.8	10.7	51	<0.1	15.9	6.5	246	2.40	8.1	3.3	3.2	8.5	13	<0.1	0.5	0.3	44	0.16	0.040
103440	Soil		1.0	16.3	10.3	53	<0.1	17.7	6.9	251	2.39	8.5	3.0	1.3	7.7	13	0.1	0.5	0.3	46	0.16	0.042
103441	Soil		1.1	18.3	11.1	56	<0.1	19.3	6.9	292	2.44	8.9	2.7	2.2	7.7	17	0.2	0.6	0.3	43	0.20	0.044
103442	Soil		1.1	17.9	10.6	52	<0.1	18.4	6.7	250	2.35	8.6	2.9	1.8	7.3	14	0.1	0.5	0.3	44	0.16	0.035
103443	Soil		1.0	16.0	10.5	56	<0.1	17.6	7.5	278	2.59	8.2	2.8	1.5	10.2	12	<0.1	0.5	0.3	47	0.16	0.046
103444	Soil		1.2	18.8	12.4	57	0.2	19.1	7.4	248	2.59	8.3	3.8	2.4	7.2	16	<0.1	0.5	0.4	47	0.17	0.051
103445	Soil		1.2	16.7	11.0	59	<0.1	18.0	9.1	332	2.70	8.4	5.6	1.5	14.8	16	<0.1	0.4	0.3	45	0.22	0.051
103446	Soil		1.1	12.8	10.4	54	<0.1	15.9	6.9	259	2.46	6.5	2.5	0.8	11.5	18	<0.1	0.4	0.3	41	0.27	0.069
103447	Soil		1.1	13.4	9.8	53	<0.1	14.9	7.6	271	2.34	7.3	3.4	4.3	10.2	15	<0.1	0.3	0.3	40	0.20	0.054

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Page: 3 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
103418	Soil	44	30	0.41	222	0.042	<1	1.87	0.007	0.05	0.2	0.04	3.5	0.1	<0.05	6	0.6	<0.2
103419	Soil	19	32	0.40	159	0.045	<1	1.87	0.007	0.06	0.4	0.01	3.4	0.1	<0.05	5	0.7	<0.2
103420	Soil	13	29	0.38	147	0.039	<1	1.89	0.006	0.07	0.2	0.02	2.4	0.2	<0.05	5	0.6	<0.2
103421	Soil	11	30	0.38	188	0.038	<1	2.00	0.006	0.07	0.2	<0.01	2.3	0.1	<0.05	5	<0.5	<0.2
103422	Soil	17	27	0.33	182	0.038	<1	1.81	0.006	0.07	0.2	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
103423	Soil	39	19	0.22	122	0.026	<1	1.45	0.005	0.09	0.3	0.01	2.8	0.2	<0.05	5	0.8	<0.2
103424	Soil	16	26	0.26	106	0.024	<1	1.15	0.004	0.06	0.2	0.01	1.6	0.1	0.05	5	<0.5	<0.2
103425	Soil	31	22	0.36	146	0.037	<1	1.28	0.006	0.07	0.3	0.01	2.7	0.1	<0.05	4	<0.5	<0.2
103426	Soil	12	14	0.12	90	0.009	<1	1.08	0.004	0.07	0.3	0.01	1.3	0.2	<0.05	4	<0.5	<0.2
103427	Soil	42	19	0.29	133	0.046	<1	1.17	0.006	0.12	0.2	0.02	2.8	0.2	0.05	4	<0.5	<0.2
103428	Soil	37	21	0.28	140	0.041	<1	1.33	0.005	0.09	0.2	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
103429	Soil	20	21	0.25	123	0.044	<1	1.31	0.005	0.10	0.3	<0.01	2.1	0.2	<0.05	5	<0.5	<0.2
103430	Soil	16	26	0.29	138	0.041	<1	1.54	0.006	0.04	0.2	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
103431	Soil	14	21	0.24	121	0.029	<1	1.51	0.005	0.03	0.1	0.03	1.8	0.1	<0.05	7	<0.5	<0.2
103432	Soil	20	28	0.45	151	0.042	<1	1.82	0.006	0.05	0.2	0.04	3.1	<0.1	<0.05	5	0.8	<0.2
103433	Soil	28	36	0.49	173	0.046	<1	2.43	0.010	0.05	0.2	0.06	4.6	0.2	<0.05	6	<0.5	<0.2
103434	Soil	15	26	0.40	138	0.037	<1	1.92	0.005	0.05	0.2	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
103435	Soil	20	25	0.32	129	0.042	<1	1.94	0.005	0.09	0.2	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
103436	Soil	24	23	0.36	144	0.041	<1	1.51	0.005	0.06	0.3	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
103437	Soil	27	30	0.41	231	0.036	<1	1.61	0.007	0.06	0.3	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
103438	Soil	21	24	0.38	153	0.040	<1	1.42	0.007	0.06	0.3	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
103439	Soil	23	25	0.40	175	0.045	<1	1.47	0.007	0.07	0.3	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
103440	Soil	23	26	0.40	173	0.045	<1	1.49	0.008	0.07	0.3	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
103441	Soil	24	25	0.40	235	0.041	<1	1.36	0.007	0.07	0.7	0.04	3.3	0.2	<0.05	4	<0.5	<0.2
103442	Soil	20	28	0.42	201	0.041	<1	1.48	0.008	0.07	0.3	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
103443	Soil	22	26	0.43	205	0.052	<1	1.62	0.007	0.11	1.2	0.03	3.5	0.2	<0.05	6	<0.5	<0.2
103444	Soil	26	28	0.43	290	0.038	<1	1.80	0.008	0.08	1.0	0.03	3.9	0.2	<0.05	6	<0.5	<0.2
103445	Soil	40	29	0.45	277	0.049	<1	1.66	0.008	0.08	1.2	0.03	5.2	0.2	<0.05	5	<0.5	<0.2
103446	Soil	27	23	0.39	220	0.052	<1	1.44	0.007	0.09	2.5	0.01	3.1	0.2	<0.05	6	<0.5	<0.2
103447	Soil	29	24	0.40	220	0.039	<1	1.47	0.006	0.07	0.8	0.03	3.2	0.1	<0.05	5	<0.5	<0.2

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Page: 4 of 12 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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
103448	Soil	1.4	11.8	10.2	52	<0.1	14.9	6.9	260	2.30	7.6	4.2	1.5	8.0	20	<0.1	0.3	0.3	41	0.33	0.071
103449	Soil	1.5	10.1	10.4	49	<0.1	13.1	6.9	310	2.44	7.7	2.8	13.3	7.7	23	<0.1	0.3	0.4	39	0.42	0.088
103450	Soil	1.6	10.1	11.9	50	0.1	14.3	5.6	208	2.32	8.0	2.9	11.9	5.4	24	<0.1	0.3	0.3	43	0.41	0.068
103451	Soil	1.0	9.8	9.6	42	0.1	12.4	5.1	141	2.00	5.9	3.0	4.2	4.5	20	<0.1	0.3	0.3	35	0.32	0.057
103452	Soil	1.4	13.0	11.5	46	0.2	14.8	6.4	220	2.22	7.1	4.7	2.1	5.5	30	<0.1	0.3	0.3	36	0.49	0.070
103453	Soil	1.0	10.3	8.8	46	<0.1	12.3	5.8	186	2.07	6.5	1.8	2.9	5.8	17	<0.1	0.3	0.3	36	0.28	0.065
103454	Soil	0.9	15.2	9.3	50	<0.1	15.5	6.5	228	2.24	6.8	2.2	3.4	8.2	15	0.1	0.5	0.3	38	0.25	0.064
103455	Soil	0.8	14.0	9.5	48	<0.1	13.8	5.7	185	2.21	6.1	3.0	1.8	10.2	17	0.1	0.3	0.3	39	0.29	0.081
103456	Soil	0.7	10.7	9.2	47	<0.1	11.0	5.5	208	2.25	5.8	1.9	5.5	9.4	13	<0.1	0.3	0.3	35	0.24	0.071
107428	Soil	0.9	19.1	12.1	63	<0.1	25.4	10.0	348	2.80	10.6	1.8	1.1	12.8	11	<0.1	0.6	0.2	43	0.14	0.054
107429	Soil	0.6	24.7	22.8	80	<0.1	12.3	7.8	439	3.83	3.8	6.2	<0.5	58.2	6	<0.1	0.2	0.9	36	0.21	0.135
107430	Soil	0.7	11.9	14.2	72	<0.1	16.0	7.9	426	2.78	7.6	1.2	0.7	10.0	9	<0.1	0.4	0.2	37	0.15	0.056
107431	Soil	1.2	17.3	14.3	80	<0.1	20.4	10.6	417	3.14	13.5	0.7	2.1	6.2	8	0.2	0.7	0.3	54	0.08	0.041
107432	Soil	1.0	26.5	12.7	60	<0.1	23.4	8.1	251	2.62	13.3	3.3	1.5	8.7	14	<0.1	0.7	0.3	43	0.14	0.029
107433	Soil	1.4	21.8	18.8	55	<0.1	16.4	7.1	355	3.31	12.6	5.6	3.1	9.3	8	<0.1	0.5	0.6	47	0.08	0.066
107434	Soil	1.3	21.9	16.0	74	<0.1	23.2	9.6	339	3.39	12.6	1.6	1.2	11.4	10	0.1	0.7	0.3	52	0.09	0.027
107435	Soil	1.2	18.2	12.0	54	<0.1	16.0	7.2	213	2.71	12.6	1.8	0.7	5.8	9	<0.1	0.7	0.2	50	0.09	0.030
107436	Soil	1.2	7.8	15.8	76	<0.1	7.5	4.0	317	3.18	7.6	5.4	<0.5	12.0	7	<0.1	0.3	0.4	23	0.08	0.046
107437	Soil	1.5	21.6	11.4	92	<0.1	24.8	9.7	233	3.53	14.1	1.2	0.8	6.5	9	<0.1	0.8	0.3	62	0.11	0.044
107438	Soil	0.9	8.3	11.3	48	<0.1	7.9	7.4	237	1.65	9.7	5.2	1.3	24.6	8	<0.1	0.3	2.3	15	0.23	0.094
107439	Soil	1.3	7.3	12.7	48	<0.1	7.0	3.1	122	2.86	9.0	4.7	<0.5	12.2	4	<0.1	0.3	0.4	24	0.06	0.051
107440	Soil	1.1	7.5	8.2	48	<0.1	9.6	3.9	171	2.70	11.8	2.0	1.4	5.5	5	<0.1	0.4	0.3	37	0.05	0.041
107441	Soil	0.9	29.1	13.6	58	<0.1	21.2	9.9	426	3.00	12.0	5.2	3.0	13.9	16	<0.1	0.7	0.3	53	0.13	0.030
107442	Soil	1.5	11.6	12.6	58	<0.1	16.0	8.8	290	3.12	11.3	2.4	2.8	8.0	9	<0.1	0.7	0.3	50	0.09	0.032
107443	Soil	1.2	8.9	10.7	50	<0.1	11.7	5.0	214	2.51	6.3	5.0	0.6	14.0	5	<0.1	0.3	0.4	23	0.07	0.039
107444	Soil	1.1	19.1	14.0	52	<0.1	19.5	8.3	237	2.91	12.0	4.4	1.9	14.4	10	<0.1	0.7	0.4	45	0.08	0.033
107445	Soil	0.9	15.5	14.1	46	<0.1	15.1	6.0	151	2.23	8.9	4.2	<0.5	16.4	6	<0.1	0.4	0.4	26	0.06	0.024
107446	Soil	0.8	9.0	11.6	42	<0.1	11.6	4.3	121	2.20	7.9	1.2	3.3	5.5	9	<0.1	0.4	0.3	48	0.08	0.030
107447	Soil	1.3	17.4	10.9	69	<0.1	20.3	7.4	202	2.74	13.1	1.5	0.8	5.9	8	<0.1	0.7	0.3	50	0.08	0.034
107448	Soil	1.0	20.7	10.9	57	<0.1	21.5	9.7	234	2.64	11.7	2.2	1.3	6.6	11	0.1	0.6	0.2	41	0.13	0.057

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Project: Burnham
 Report Date: August 07, 2011

Page: 4 of 12 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
103448	Soil	27	23	0.37	220	0.038	<1	1.40	0.008	0.07	1.3	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
103449	Soil	23	21	0.33	223	0.034	<1	1.41	0.010	0.07	3.9	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
103450	Soil	25	23	0.35	238	0.033	<1	1.56	0.010	0.07	1.2	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
103451	Soil	22	18	0.30	181	0.027	<1	1.32	0.007	0.05	1.1	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
103452	Soil	28	21	0.31	244	0.025	<1	1.39	0.008	0.05	0.9	0.05	2.7	0.1	<0.05	5	<0.5	<0.2
103453	Soil	17	18	0.31	160	0.037	<1	1.28	0.007	0.06	0.8	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
103454	Soil	25	22	0.35	223	0.044	<1	1.40	0.009	0.07	0.8	0.02	3.1	0.1	<0.05	4	<0.5	<0.2
103455	Soil	24	20	0.31	211	0.056	<1	1.57	0.007	0.12	1.0	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
103456	Soil	20	18	0.27	174	0.056	<1	1.40	0.007	0.12	1.2	0.03	2.6	0.2	<0.05	5	<0.5	<0.2
107428	Soil	18	27	0.46	148	0.041	<1	2.00	0.007	0.09	0.2	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
107429	Soil	96	22	0.43	92	0.041	<1	2.49	0.006	0.26	0.4	<0.01	3.5	0.3	<0.05	10	0.6	<0.2
107430	Soil	25	23	0.43	91	0.021	<1	1.62	0.005	0.08	0.4	0.02	2.0	0.1	<0.05	5	0.8	<0.2
107431	Soil	14	30	0.42	166	0.032	3	2.13	0.007	0.05	0.2	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
107432	Soil	34	27	0.44	225	0.035	2	1.47	0.007	0.06	0.2	0.03	4.3	0.1	<0.05	4	<0.5	<0.2
107433	Soil	27	29	0.35	185	0.011	2	2.15	0.006	0.07	0.2	0.03	2.6	0.2	<0.05	6	0.6	<0.2
107434	Soil	24	33	0.51	184	0.037	2	2.20	0.006	0.07	0.2	0.04	4.0	0.1	<0.05	7	0.7	<0.2
107435	Soil	18	29	0.43	153	0.037	2	2.00	0.006	0.05	0.2	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
107436	Soil	6	10	0.11	116	0.003	<1	1.31	0.003	0.08	0.2	0.01	1.5	0.2	<0.05	5	<0.5	<0.2
107437	Soil	15	30	0.52	200	0.038	1	2.30	0.005	0.09	0.2	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
107438	Soil	20	11	0.15	86	0.017	<1	1.43	0.005	0.22	0.3	0.01	1.7	0.4	<0.05	4	<0.5	<0.2
107439	Soil	18	12	0.12	82	0.005	<1	1.47	0.004	0.08	0.2	0.01	1.4	0.3	<0.05	4	<0.5	<0.2
107440	Soil	14	17	0.25	70	0.008	3	1.39	0.004	0.06	0.2	0.01	1.4	0.2	<0.05	5	<0.5	<0.2
107441	Soil	61	32	0.49	230	0.041	3	1.98	0.009	0.07	0.2	0.05	6.7	0.1	<0.05	5	0.5	<0.2
107442	Soil	14	28	0.39	166	0.032	2	2.15	0.006	0.07	0.2	0.02	2.4	0.2	<0.05	6	0.7	<0.2
107443	Soil	17	15	0.21	90	0.017	<1	1.70	0.005	0.16	0.2	<0.01	1.8	0.4	<0.05	5	<0.5	<0.2
107444	Soil	25	29	0.43	168	0.029	1	2.32	0.007	0.06	0.2	0.03	3.4	0.1	<0.05	5	0.5	<0.2
107445	Soil	22	18	0.23	132	0.009	2	1.58	0.006	0.09	0.1	0.01	1.7	0.2	<0.05	4	<0.5	<0.2
107446	Soil	17	24	0.32	139	0.031	<1	1.71	0.006	0.05	0.1	0.01	2.4	0.2	<0.05	6	<0.5	<0.2
107447	Soil	12	26	0.41	148	0.035	1	2.12	0.005	0.07	0.2	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
107448	Soil	19	26	0.42	144	0.034	3	1.61	0.011	0.06	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2

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Page: 5 of 12 Part 1

CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
107449	Soil	1.3	21.2	12.1	62	<0.1	21.1	7.9	305	2.90	10.1	5.6	1.4	16.3	13	<0.1	0.6	0.3	47	0.11	0.024
107450	Soil	0.7	18.1	9.5	55	<0.1	22.4	9.0	162	2.26	9.4	1.2	2.1	10.6	11	0.1	0.6	0.2	40	0.13	0.038
107451	Soil	1.2	18.7	11.6	61	<0.1	17.7	7.5	314	2.59	9.2	2.4	3.5	10.2	13	<0.1	0.6	0.3	41	0.15	0.045
107452	Soil	1.0	12.2	11.0	53	<0.1	14.1	7.5	262	2.53	8.4	3.1	3.7	13.9	10	0.1	0.5	0.6	34	0.12	0.032
107453	Soil	1.0	12.1	11.2	50	<0.1	12.5	7.8	294	2.69	6.4	5.4	2.6	14.4	10	<0.1	0.4	0.2	30	0.17	0.060
107454	Soil	0.9	28.2	13.2	57	<0.1	22.4	9.6	384	2.83	10.8	2.2	4.0	10.3	17	0.1	0.7	0.2	48	0.16	0.038
107455	Soil	1.3	16.0	12.8	72	<0.1	19.3	8.3	279	3.40	11.3	1.1	<0.5	7.0	9	<0.1	0.5	1.2	53	0.10	0.041
107456	Soil	0.8	20.5	11.0	55	<0.1	20.5	7.9	236	2.60	10.6	1.3	3.8	11.2	8	<0.1	0.7	0.2	45	0.07	0.017
107457	Soil	0.8	19.7	18.2	72	<0.1	13.2	7.4	371	3.11	5.5	4.2	0.9	25.2	6	<0.1	0.4	0.5	31	0.12	0.065
107458	Soil	1.4	14.9	23.7	55	<0.1	11.1	4.7	254	2.28	3.3	5.3	1.3	27.1	7	<0.1	0.5	0.4	16	0.09	0.037
107459	Soil	0.6	76.8	12.9	52	<0.1	60.2	14.2	296	2.95	6.0	0.3	<0.5	2.0	11	0.1	0.3	0.6	72	0.37	0.073
107460	Soil	1.2	11.0	10.2	47	<0.1	9.3	5.6	272	2.70	7.6	7.7	<0.5	19.1	5	<0.1	0.3	1.0	23	0.12	0.084
107461	Soil	0.8	10.4	10.9	67	<0.1	9.6	6.3	311	3.65	6.5	3.0	<0.5	22.6	7	<0.1	0.3	0.5	34	0.13	0.111
107462	Soil	0.8	12.5	10.4	85	<0.1	13.8	6.9	284	3.72	5.7	3.2	<0.5	38.6	7	<0.1	0.3	0.2	35	0.19	0.110
107463	Soil	0.7	12.9	17.8	70	<0.1	13.4	6.9	175	3.03	5.3	3.0	<0.5	30.3	8	<0.1	0.4	0.4	29	0.15	0.070
107464	Soil	1.6	11.2	23.8	112	<0.1	13.0	6.2	561	4.67	5.9	6.5	<0.5	46.5	8	<0.1	0.3	1.4	27	0.19	0.192
107465	Soil	0.4	8.2	13.5	50	<0.1	7.0	4.3	129	2.55	2.1	2.5	<0.5	27.0	5	<0.1	0.1	0.3	11	0.12	0.066
107466	Soil	0.5	5.1	10.9	43	<0.1	5.8	3.1	131	2.16	3.0	1.6	<0.5	20.1	4	<0.1	0.2	0.6	15	0.05	0.040
107467	Soil	0.7	13.6	21.5	62	<0.1	12.2	6.3	276	2.95	4.8	1.6	3.5	16.1	5	<0.1	0.2	1.1	35	0.09	0.059
107468	Soil	0.7	11.3	17.0	59	<0.1	11.0	5.6	168	3.02	5.1	3.5	<0.5	24.5	4	<0.1	0.3	0.5	29	0.06	0.039
107469	Soil	0.6	7.2	14.0	46	<0.1	12.8	6.7	177	3.31	5.0	2.1	0.6	21.1	4	<0.1	0.2	0.3	31	0.10	0.085
107470	Soil	0.8	8.8	19.9	43	<0.1	11.5	5.4	185	2.24	6.3	1.2	0.7	7.6	7	<0.1	0.3	0.2	29	0.10	0.036
107471	Soil	0.8	11.4	11.5	116	<0.1	12.1	7.1	454	3.67	3.6	1.5	<0.5	27.8	8	0.1	0.1	0.2	38	0.17	0.198
108497	Soil	0.9	22.8	9.6	69	<0.1	21.8	10.3	278	3.60	5.7	1.6	0.8	36.5	8	<0.1	0.3	0.4	46	0.16	0.053
108498	Soil	1.0	13.4	9.0	53	<0.1	22.1	7.7	404	2.60	9.7	0.6	<0.5	9.3	22	<0.1	0.4	0.2	55	0.23	0.046
108499	Soil	1.3	12.7	11.3	72	<0.1	18.9	9.3	315	3.55	9.1	1.3	1.3	26.4	9	<0.1	0.4	0.3	58	0.16	0.068
108501	Soil	1.2	15.6	11.4	56	<0.1	21.1	9.0	235	2.96	9.8	0.7	3.0	9.9	9	<0.1	0.5	0.2	61	0.11	0.049
108502	Soil	0.8	10.8	9.7	62	<0.1	12.6	7.8	241	3.62	3.6	1.4	<0.5	34.4	6	<0.1	0.2	0.3	39	0.13	0.049
108503	Soil	0.8	8.4	8.8	45	<0.1	15.3	6.5	184	2.96	6.8	0.8	<0.5	14.4	6	<0.1	0.3	0.2	52	0.05	0.019
108504	Soil	1.3	13.6	11.5	74	<0.1	14.5	8.0	259	4.00	8.2	2.2	<0.5	24.1	7	<0.1	0.3	0.3	47	0.09	0.048

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Page: 5 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
107449	Soil	59	29	0.48	201	0.051	1	1.84	0.012	0.08	0.2	0.03	5.2	0.2	<0.05	5	<0.5	<0.2
107450	Soil	18	24	0.46	130	0.044	3	1.48	0.006	0.06	0.2	0.02	2.3	0.1	<0.05	4	0.5	<0.2
107451	Soil	26	24	0.41	204	0.034	<1	1.44	0.008	0.07	0.2	0.04	2.9	0.1	<0.05	4	0.5	<0.2
107452	Soil	25	21	0.38	146	0.026	<1	1.38	0.008	0.08	0.2	0.03	2.2	0.2	<0.05	4	0.7	<0.2
107453	Soil	21	19	0.33	121	0.032	2	1.39	0.006	0.12	0.2	0.02	2.2	0.2	<0.05	5	0.6	<0.2
107454	Soil	35	27	0.47	292	0.047	1	1.67	0.008	0.07	0.2	0.05	4.9	0.1	<0.05	5	0.7	<0.2
107455	Soil	11	26	0.46	109	0.035	<1	1.99	0.006	0.08	0.3	0.03	2.3	0.2	<0.05	7	<0.5	<0.2
107456	Soil	26	27	0.43	134	0.041	1	1.75	0.005	0.06	0.1	0.03	3.0	0.1	<0.05	5	0.5	<0.2
107457	Soil	48	18	0.33	109	0.015	<1	1.62	0.005	0.08	0.1	<0.01	2.9	0.2	<0.05	6	0.5	<0.2
107458	Soil	49	14	0.15	101	0.006	<1	0.86	0.003	0.07	0.3	0.02	2.6	0.2	<0.05	3	<0.5	<0.2
107459	Soil	6	64	0.84	106	0.106	<1	1.99	0.021	0.04	6.2	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
107460	Soil	38	13	0.18	98	0.017	1	1.49	0.004	0.14	0.2	0.01	1.6	0.3	<0.05	4	<0.5	<0.2
107461	Soil	67	17	0.29	103	0.017	<1	1.85	0.005	0.17	0.1	<0.01	2.1	0.2	<0.05	7	<0.5	<0.2
107462	Soil	59	20	0.38	129	0.086	1	2.24	0.007	0.42	0.2	0.02	3.5	0.5	<0.05	8	<0.5	<0.2
107463	Soil	38	19	0.32	110	0.012	<1	2.00	0.005	0.11	0.1	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
107464	Soil	95	18	0.16	84	0.003	<1	1.46	0.004	0.10	0.1	0.01	2.7	0.1	<0.05	3	<0.5	<0.2
107465	Soil	23	8	0.22	58	0.001	<1	1.65	0.003	0.08	<0.1	<0.01	1.6	0.1	<0.05	3	<0.5	<0.2
107466	Soil	16	9	0.22	78	0.001	<1	1.56	0.003	0.09	<0.1	0.01	1.5	0.2	<0.05	3	<0.5	<0.2
107467	Soil	17	17	0.30	85	0.016	1	1.91	0.003	0.14	0.2	0.02	2.5	0.3	<0.05	8	0.6	<0.2
107468	Soil	29	15	0.23	82	0.007	<1	1.56	0.004	0.08	0.1	0.01	2.2	0.2	<0.05	6	<0.5	<0.2
107469	Soil	31	17	0.25	78	0.011	<1	1.85	0.004	0.15	0.1	<0.01	2.4	0.2	<0.05	6	<0.5	<0.2
107470	Soil	23	18	0.24	81	0.010	<1	1.06	0.004	0.04	<0.1	0.02	1.5	<0.1	<0.05	3	0.6	<0.2
107471	Soil	46	19	0.38	114	0.014	<1	2.03	0.003	0.17	0.2	0.02	2.3	0.3	<0.05	9	<0.5	<0.2
108497	Soil	18	27	0.52	206	0.186	<1	2.23	0.007	0.40	2.0	<0.01	4.7	0.7	<0.05	12	0.7	<0.2
108498	Soil	12	28	0.50	209	0.061	<1	2.17	0.006	0.10	1.7	0.01	3.1	0.2	<0.05	8	0.5	<0.2
108499	Soil	17	31	0.47	159	0.133	<1	2.44	0.006	0.37	0.3	0.01	4.4	0.5	<0.05	10	0.5	<0.2
108501	Soil	12	30	0.40	174	0.066	<1	2.11	0.005	0.13	0.4	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
108502	Soil	16	19	0.50	135	0.163	<1	2.66	0.006	0.58	0.3	0.01	4.7	0.9	<0.05	13	0.8	<0.2
108503	Soil	14	23	0.64	127	0.126	<1	2.30	0.005	0.32	0.2	<0.01	4.3	0.5	<0.05	10	<0.5	<0.2
108504	Soil	15	23	0.44	171	0.109	<1	2.56	0.006	0.41	0.2	0.01	3.9	0.6	<0.05	12	<0.5	<0.2

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Project: Burnham
 Report Date: August 07, 2011

Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
108505	Soil			1.1	12.6	10.2	60	<0.1	16.8	8.6	233	3.28	9.0	1.2	1.1	21.1	6	<0.1	0.4	0.2	49	0.06	0.028
108506	Soil			1.1	16.8	11.1	58	<0.1	19.9	7.6	233	3.10	13.6	1.2	2.2	21.3	10	<0.1	0.6	0.2	51	0.10	0.034
108507	Soil			0.5	5.1	4.7	28	<0.1	8.1	4.9	158	2.53	2.5	1.9	0.5	21.1	8	<0.1	0.1	<0.1	23	0.25	0.108
108508	Soil			0.9	12.0	12.5	80	<0.1	16.2	9.0	329	3.82	8.7	1.5	0.7	34.8	12	<0.1	0.3	0.3	50	0.22	0.097
108509	Soil			0.6	5.5	11.3	53	<0.1	11.2	6.5	223	3.25	4.0	3.2	<0.5	40.5	13	<0.1	0.2	0.2	37	0.22	0.099
108510	Soil			1.6	12.0	12.0	43	<0.1	19.1	6.0	173	2.26	10.5	0.8	<0.5	13.0	14	<0.1	0.5	0.2	50	0.15	0.049
108511	Soil			0.5	11.7	10.2	45	<0.1	10.9	5.7	172	2.97	4.3	4.1	1.1	42.6	11	<0.1	0.3	0.2	32	0.16	0.049
108512	Soil			0.9	13.2	14.2	57	<0.1	16.1	8.1	262	3.47	7.4	3.4	0.6	36.7	10	<0.1	0.4	0.2	48	0.18	0.054
108513	Soil			1.0	16.0	13.0	63	<0.1	17.8	7.9	299	3.16	9.6	2.1	3.2	18.4	10	<0.1	0.5	0.2	51	0.12	0.047
108514	Soil			1.0	17.5	10.1	60	<0.1	18.6	9.0	221	2.94	8.2	1.1	3.7	17.8	9	<0.1	0.5	0.2	43	0.12	0.039
108515	Soil			1.0	14.0	9.1	47	<0.1	17.8	9.3	206	2.48	9.4	1.2	1.9	13.5	10	<0.1	0.5	0.2	50	0.13	0.042
108516	Soil			1.2	9.6	15.5	85	<0.1	13.0	7.2	424	3.80	4.3	3.4	<0.5	44.3	11	<0.1	0.2	0.3	53	0.23	0.182
108517	Soil			1.3	8.8	11.9	76	<0.1	15.3	7.6	489	3.52	5.6	4.0	1.8	35.1	14	<0.1	0.3	0.3	50	0.25	0.096
108518	Soil			0.9	11.5	11.6	63	<0.1	17.2	7.7	319	3.25	10.5	2.9	<0.5	31.6	10	<0.1	0.5	0.5	51	0.18	0.074
108519	Soil			0.9	8.5	14.1	51	<0.1	8.8	3.8	115	2.60	6.4	5.7	<0.5	35.3	8	<0.1	0.4	0.4	22	0.15	0.067
108520	Soil			0.7	13.3	12.1	80	<0.1	15.7	8.1	268	4.13	7.2	4.8	0.6	48.5	10	<0.1	0.3	0.5	49	0.22	0.111
108521	Soil			0.7	18.5	10.1	55	<0.1	19.5	8.0	235	2.77	10.9	1.8	2.1	20.8	9	<0.1	0.5	0.2	46	0.10	0.035
108522	Soil			0.8	13.5	14.9	73	<0.1	14.1	7.8	312	3.90	6.3	2.0	0.9	45.7	9	<0.1	0.3	0.3	44	0.15	0.049
108523	Soil			0.5	8.6	18.1	59	<0.1	6.1	4.2	186	2.93	4.2	2.5	0.6	38.9	11	<0.1	0.3	0.3	20	0.25	0.088
108524	Soil			1.2	14.5	18.5	66	<0.1	15.0	7.5	302	3.63	8.3	1.0	1.4	28.5	6	<0.1	0.4	0.4	46	0.07	0.028
108525	Soil			0.7	8.7	13.4	55	<0.1	9.0	4.8	190	2.49	3.4	0.9	0.5	32.2	8	<0.1	0.3	0.4	24	0.16	0.045
108526	Soil			1.1	7.2	11.5	50	<0.1	5.7	4.0	228	2.51	4.8	2.9	1.3	25.6	4	<0.1	0.2	0.2	19	0.22	0.128
108527	Soil			0.8	7.8	15.6	54	<0.1	7.8	5.4	268	2.84	2.4	1.5	<0.5	35.8	7	<0.1	0.2	0.2	20	0.27	0.114
108528	Soil			0.9	15.3	12.9	49	<0.1	9.2	5.8	258	3.31	2.6	2.5	<0.5	72.2	9	<0.1	0.3	0.5	26	0.21	0.087
108529	Soil			1.3	7.3	12.4	63	<0.1	14.1	6.7	317	3.38	8.0	1.3	1.3	17.7	11	<0.1	0.3	0.3	41	0.27	0.132
108530	Soil			1.3	10.2	13.5	63	<0.1	8.3	3.5	148	2.57	4.8	1.9	0.7	25.0	10	<0.1	0.4	0.3	16	0.27	0.100
108531	Soil			0.4	6.0	12.1	22	<0.1	2.8	2.1	181	1.20	2.2	1.4	1.5	32.1	5	<0.1	0.3	0.3	7	0.30	0.133
108532	Soil			1.1	8.0	14.2	35	<0.1	5.5	4.0	154	2.14	3.9	2.3	1.0	28.3	5	<0.1	0.4	0.3	10	0.19	0.088
108533	Soil			1.2	54.8	35.2	64	0.2	11.3	4.9	202	2.76	5.4	2.3	2.0	32.3	9	0.2	0.4	0.9	21	0.14	0.042
108534	Soil			1.7	51.3	36.3	61	0.4	11.4	5.7	224	2.82	5.5	2.8	1.3	33.5	7	0.2	0.4	1.2	17	0.29	0.124

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Project: Burnham
 Report Date: August 07, 2011

Page: 6 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	0.2
108505	Soil	18	28	0.57	163	0.145	<1	2.61	0.005	0.43	0.4	<0.01	3.6	0.6	<0.05	9	<0.5	<0.2
108506	Soil	18	31	0.46	125	0.080	<1	2.11	0.005	0.20	0.2	0.01	3.4	0.2	<0.05	7	0.5	<0.2
108507	Soil	50	13	0.48	109	0.159	<1	1.57	0.005	0.51	0.1	<0.01	2.8	0.4	<0.05	7	<0.5	<0.2
108508	Soil	23	23	0.50	167	0.164	<1	2.72	0.007	0.66	0.3	0.01	4.2	0.8	<0.05	11	<0.5	<0.2
108509	Soil	55	19	0.37	113	0.043	<1	1.94	0.005	0.26	0.4	0.01	3.6	0.3	<0.05	11	<0.5	<0.2
108510	Soil	16	32	0.38	130	0.035	<1	1.77	0.005	0.09	0.3	0.01	2.3	<0.1	<0.05	5	0.5	<0.2
108511	Soil	95	19	0.37	85	0.020	<1	1.61	0.005	0.10	0.3	0.02	3.9	0.1	<0.05	8	0.7	<0.2
108512	Soil	15	27	0.43	124	0.101	<1	2.23	0.006	0.13	0.3	<0.01	3.3	0.1	<0.05	11	0.8	<0.2
108513	Soil	56	28	0.41	174	0.040	<1	2.11	0.005	0.11	0.2	0.02	2.6	0.1	<0.05	8	0.6	<0.2
108514	Soil	14	26	0.41	168	0.047	<1	2.10	0.005	0.12	0.1	0.01	2.6	0.2	<0.05	7	<0.5	<0.2
108515	Soil	15	29	0.43	172	0.065	<1	2.05	0.006	0.08	0.2	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
108516	Soil	55	26	0.39	187	0.189	<1	2.45	0.007	0.50	0.4	0.02	4.6	0.8	<0.05	14	<0.5	<0.2
108517	Soil	48	27	0.41	188	0.184	<1	2.18	0.007	0.52	0.2	0.01	4.2	0.8	<0.05	12	<0.5	<0.2
108518	Soil	34	28	0.43	139	0.101	<1	2.24	0.005	0.28	0.1	0.02	3.2	0.4	<0.05	8	0.7	<0.2
108519	Soil	82	15	0.17	87	0.004	<1	1.51	0.004	0.05	0.3	0.01	2.4	0.2	<0.05	4	<0.5	<0.2
108520	Soil	51	23	0.48	168	0.204	<1	2.99	0.006	0.61	2.0	0.02	5.2	0.8	<0.05	15	0.8	<0.2
108521	Soil	33	28	0.42	110	0.091	<1	1.89	0.005	0.20	0.5	0.01	3.7	0.3	<0.05	6	0.9	<0.2
108522	Soil	47	20	0.49	101	0.178	<1	2.84	0.007	0.57	0.5	0.01	4.9	0.9	<0.05	14	1.0	<0.2
108523	Soil	68	13	0.32	74	0.034	<1	2.07	0.004	0.21	0.1	<0.01	2.3	0.3	<0.05	11	0.6	<0.2
108524	Soil	27	28	0.44	119	0.072	<1	2.58	0.006	0.17	0.2	0.01	3.4	0.3	<0.05	12	0.7	<0.2
108525	Soil	49	16	0.28	67	0.017	<1	1.63	0.004	0.09	0.4	0.01	2.3	0.2	<0.05	8	0.6	<0.2
108526	Soil	5	11	0.19	80	0.063	<1	1.37	0.003	0.26	0.3	<0.01	2.0	0.4	<0.05	8	<0.5	<0.2
108527	Soil	51	13	0.28	101	0.088	<1	1.58	0.003	0.31	0.5	<0.01	2.6	0.5	<0.05	8	0.9	<0.2
108528	Soil	169	15	0.39	55	0.100	<1	1.77	0.005	0.45	0.3	0.03	4.6	0.6	<0.05	12	0.8	<0.2
108529	Soil	10	23	0.37	168	0.034	1	2.26	0.006	0.26	0.3	0.01	2.8	0.3	<0.05	10	0.6	<0.2
108530	Soil	16	14	0.19	102	0.004	1	1.72	0.004	0.07	0.3	<0.01	1.7	0.2	<0.05	8	<0.5	<0.2
108531	Soil	57	3	0.10	34	0.004	1	0.61	0.001	0.06	0.5	<0.01	1.7	0.1	<0.05	4	<0.5	<0.2
108532	Soil	21	8	0.13	54	0.003	<1	0.95	0.002	0.08	0.2	<0.01	1.5	0.1	<0.05	6	<0.5	<0.2
108533	Soil	63	14	0.31	137	0.079	1	1.31	0.008	0.28	0.7	0.02	3.1	0.5	<0.05	7	0.6	<0.2
108534	Soil	37	16	0.22	75	0.027	<1	1.25	0.004	0.17	0.3	<0.01	2.2	0.3	<0.05	6	<0.5	<0.2

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 Report Date: August 07, 2011

Page: 7 of 12 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
108535	Soil	0.8	16.4	13.4	38	<0.1	8.7	3.6	162	2.33	4.2	1.4	3.0	45.7	6	<0.1	0.3	0.3	13	0.18	0.068
108536	Soil	1.6	10.3	11.9	60	<0.1	11.7	5.1	214	2.84	7.4	1.4	0.8	11.8	6	<0.1	0.5	0.3	29	0.09	0.040
108537	Soil	1.2	51.9	8.2	70	<0.1	35.4	16.8	379	4.68	4.8	2.3	1.4	7.6	16	<0.1	0.3	0.3	48	0.21	0.076
108538	Soil	1.1	17.8	9.2	49	<0.1	23.9	10.5	242	2.65	9.3	1.1	2.8	6.2	12	0.1	0.5	0.2	42	0.15	0.063
108539	Soil	0.8	18.0	10.8	57	<0.1	18.1	9.6	278	3.18	8.0	1.3	2.0	16.7	8	<0.1	0.4	0.2	48	0.09	0.033
108540	Soil	1.0	18.2	10.8	54	<0.1	19.2	9.4	232	2.91	9.5	1.0	1.6	11.7	9	<0.1	0.5	0.2	48	0.10	0.029
108541	Soil	0.8	20.4	10.2	75	<0.1	19.8	11.1	408	4.39	5.5	1.8	1.8	39.5	9	<0.1	0.4	0.2	60	0.11	0.041
108542	Soil	0.9	12.4	10.0	61	<0.1	14.6	9.3	380	3.93	5.8	2.1	<0.5	25.6	6	<0.1	0.2	0.3	46	0.16	0.091
108543	Soil	0.7	40.2	9.8	85	<0.1	42.1	19.4	463	5.51	16.8	2.0	0.9	13.2	35	<0.1	0.1	0.3	46	0.31	0.109
108544	Soil	1.2	11.4	14.4	61	<0.1	16.1	8.5	253	3.19	9.1	0.5	1.8	13.7	11	<0.1	0.5	0.2	56	0.12	0.044
108545	Soil	0.9	15.5	13.8	62	<0.1	16.8	8.8	288	2.98	7.0	1.3	1.7	17.4	10	<0.1	0.5	0.2	50	0.09	0.021
108546	Soil	1.0	18.9	11.7	71	<0.1	22.0	13.4	317	3.89	9.2	1.0	1.7	20.4	8	<0.1	0.5	0.2	55	0.09	0.036
108547	Soil	1.1	15.7	22.1	57	<0.1	14.0	6.7	222	2.83	8.2	1.5	2.3	21.9	8	<0.1	0.4	0.3	34	0.11	0.036
108548	Soil	1.1	11.5	6.3	33	<0.1	11.6	9.6	302	3.42	3.6	1.6	1.2	21.7	5	<0.1	0.3	0.1	30	0.09	0.044
108549	Soil	1.0	6.5	12.9	31	<0.1	10.3	6.3	174	3.53	4.3	1.9	<0.5	23.3	5	<0.1	0.3	0.2	28	0.08	0.048
108550	Soil	1.3	10.2	11.9	61	<0.1	13.1	8.4	280	3.22	8.0	1.6	0.6	17.2	10	<0.1	0.4	0.3	51	0.18	0.095
108551	Soil	1.2	23.1	19.7	63	<0.1	17.2	8.1	257	3.25	10.5	2.2	2.0	35.8	11	<0.1	0.6	0.2	40	0.14	0.050
108552	Soil	1.4	18.1	17.7	57	<0.1	14.0	5.0	217	3.11	3.3	8.0	2.0	54.2	14	<0.1	0.4	0.2	17	0.37	0.130
108553	Soil	1.3	20.0	18.0	68	<0.1	20.0	7.5	279	2.99	8.5	6.0	2.1	29.1	18	<0.1	0.7	0.2	46	0.24	0.045
108554	Soil	2.1	26.1	15.3	74	0.1	24.3	12.0	661	3.22	11.7	1.2	3.7	15.1	29	0.3	0.9	0.2	47	0.38	0.070
108555	Soil	1.4	29.2	10.7	66	0.2	27.2	10.2	478	2.62	11.1	1.3	2.5	8.4	29	0.3	0.8	0.2	40	0.47	0.072
108556	Soil	1.3	28.1	14.3	69	<0.1	24.3	9.4	397	2.78	11.5	1.5	3.2	11.1	25	0.1	0.7	0.2	45	0.37	0.058
108557	Soil	1.5	22.9	15.6	66	<0.1	19.9	6.9	269	2.83	8.5	2.0	3.9	26.7	21	0.2	0.6	0.7	34	0.35	0.079
108558	Soil	2.3	14.8	26.5	77	<0.1	13.0	6.8	343	3.18	6.0	4.5	1.1	46.9	11	0.1	0.5	0.5	24	0.48	0.152
108559	Soil	1.9	24.8	17.7	74	<0.1	21.8	8.7	379	3.04	9.1	1.3	3.1	24.8	19	0.1	0.8	0.6	42	0.36	0.076
108560	Soil	0.5	10.8	5.8	44	<0.1	12.6	5.9	182	1.52	4.1	3.1	2.0	6.6	21	0.2	0.3	0.1	28	0.41	0.089
108561	Soil	0.6	15.5	7.6	62	<0.1	17.1	8.2	272	2.23	6.8	3.8	1.7	7.5	26	0.2	0.4	0.1	35	0.41	0.078
108562	Soil	0.8	16.9	7.5	56	0.1	17.5	7.7	300	1.98	7.9	0.8	3.2	4.1	28	0.2	0.6	0.1	37	0.46	0.079
118500	Soil	0.8	7.2	15.7	71	<0.1	9.4	7.7	398	3.48	6.9	6.8	1.0	33.2	5	<0.1	0.3	0.2	28	0.10	0.058
118501	Soil	1.2	20.8	15.3	73	<0.1	25.1	11.6	333	3.19	12.8	1.3	1.8	13.0	9	0.1	0.8	0.3	50	0.10	0.033

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Project: Burnham
 Report Date: August 07, 2011

Page: 7 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	0.2
108535	Soil	58	10	0.20	52	0.062	1	1.26	0.005	0.23	0.2	0.01	2.3	0.4	<0.05	7	<0.5	<0.2
108536	Soil	9	18	0.28	96	0.042	<1	1.93	0.006	0.24	0.4	<0.01	1.6	0.5	<0.05	9	<0.5	<0.2
108537	Soil	25	44	0.75	167	0.053	<1	2.25	0.007	0.38	0.2	0.02	6.5	0.3	<0.05	7	0.5	<0.2
108538	Soil	13	27	0.40	200	0.039	<1	1.57	0.005	0.09	0.3	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
108539	Soil	12	28	0.47	204	0.108	1	2.16	0.007	0.33	0.2	0.02	3.2	0.4	<0.05	7	<0.5	<0.2
108540	Soil	13	30	0.46	205	0.080	2	2.03	0.007	0.20	0.2	0.02	3.0	0.3	<0.05	6	<0.5	<0.2
108541	Soil	35	32	0.68	187	0.250	1	2.66	0.009	0.73	3.0	0.01	7.3	0.7	<0.05	12	<0.5	<0.2
108542	Soil	30	24	0.55	165	0.194	<1	2.27	0.007	0.67	0.2	<0.01	4.7	0.8	<0.05	12	<0.5	<0.2
108543	Soil	59	53	0.88	157	0.008	<1	2.29	0.010	0.11	<0.1	<0.01	4.6	<0.1	<0.05	9	<0.5	<0.2
108544	Soil	14	27	0.37	153	0.039	1	2.10	0.005	0.11	0.2	0.02	2.7	0.1	<0.05	8	<0.5	<0.2
108545	Soil	29	27	0.44	177	0.078	2	1.85	0.007	0.11	0.2	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
108546	Soil	21	30	0.52	228	0.165	1	2.58	0.010	0.39	0.3	<0.01	5.4	0.5	<0.05	10	<0.5	<0.2
108547	Soil	13	23	0.32	134	0.012	<1	1.73	0.005	0.07	0.1	0.01	2.3	0.1	<0.05	7	<0.5	<0.2
108548	Soil	33	17	0.62	131	0.168	<1	1.98	0.006	0.58	0.1	<0.01	3.4	0.5	<0.05	8	<0.5	<0.2
108549	Soil	26	14	0.53	98	0.071	2	2.27	0.004	0.26	0.2	0.01	2.9	0.3	<0.05	9	<0.5	<0.2
108550	Soil	9	24	0.38	151	0.075	<1	2.24	0.005	0.31	0.2	<0.01	3.2	0.5	<0.05	9	<0.5	<0.2
108551	Soil	75	26	0.42	160	0.079	1	2.04	0.006	0.25	0.2	0.01	4.4	0.4	<0.05	9	<0.5	<0.2
108552	Soil	111	17	0.28	146	0.011	1	1.39	0.005	0.13	0.1	0.01	4.5	0.2	<0.05	7	0.7	<0.2
108553	Soil	88	31	0.48	204	0.046	<1	1.86	0.007	0.12	0.2	0.05	4.8	0.2	<0.05	7	1.0	<0.2
108554	Soil	31	25	0.48	397	0.051	<1	1.53	0.013	0.11	0.2	0.05	3.6	0.2	<0.05	6	0.7	<0.2
108555	Soil	22	26	0.47	393	0.046	<1	1.23	0.015	0.08	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
108556	Soil	22	29	0.45	323	0.048	2	1.44	0.013	0.09	0.2	0.03	4.2	0.1	<0.05	5	<0.5	<0.2
108557	Soil	45	25	0.34	248	0.044	<1	1.37	0.008	0.14	0.3	0.03	3.9	0.2	<0.05	5	<0.5	<0.2
108558	Soil	57	18	0.21	107	0.042	1	1.26	0.005	0.24	0.4	0.01	3.7	0.3	<0.05	6	<0.5	<0.2
108559	Soil	47	28	0.34	295	0.056	1	1.53	0.010	0.13	0.2	0.03	3.9	0.2	<0.05	6	<0.5	<0.2
108560	Soil	19	15	0.29	170	0.041	1	0.88	0.010	0.06	0.5	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
108561	Soil	23	20	0.40	233	0.058	2	1.16	0.011	0.10	0.3	0.03	2.9	0.1	<0.05	4	<0.5	<0.2
108562	Soil	14	20	0.39	324	0.042	2	1.03	0.013	0.05	0.4	0.05	2.3	<0.1	<0.05	3	<0.5	<0.2
118500	Soil	65	16	0.28	121	0.082	1	1.75	0.005	0.45	0.5	0.02	4.2	0.7	<0.05	7	0.5	<0.2
118501	Soil	20	30	0.49	168	0.053	1	2.09	0.006	0.13	0.3	0.02	3.6	0.3	<0.05	6	<0.5	<0.2

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Project: Burnham
 Report Date: August 07, 2011

Page: 8 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000545.1

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	P
			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	2	0.01	0.001	
118502	Soil		1.0	24.2	14.5	69	<0.1	24.0	9.7	468	2.82	12.4	3.6	7.1	15.8	12	0.1	0.7	0.3	44	0.17	0.071
118503	Soil		1.2	10.5	14.6	72	<0.1	13.5	6.0	258	3.56	12.9	2.0	1.9	10.2	7	0.2	0.5	0.3	58	0.07	0.040
118504	Soil		1.2	17.6	12.6	74	<0.1	23.9	11.0	276	2.83	17.5	1.1	4.6	7.4	9	0.2	0.7	0.4	47	0.08	0.040
118505	Soil		1.4	18.3	18.6	75	<0.1	13.8	6.6	251	3.65	14.5	3.4	3.3	14.0	6	<0.1	0.5	0.5	41	0.05	0.033
118506	Soil		1.2	26.4	13.4	73	<0.1	32.0	10.7	295	3.03	17.3	1.0	5.7	10.3	10	0.2	0.8	0.2	60	0.10	0.031
118507	Soil		1.2	14.5	12.9	59	<0.1	20.6	8.7	243	2.98	14.7	1.7	0.7	9.2	9	<0.1	0.6	0.2	53	0.08	0.034
118508	Soil		1.0	11.8	13.1	53	<0.1	15.2	6.9	240	3.10	14.5	0.9	2.4	5.5	8	<0.1	0.6	0.6	66	0.07	0.032
118509	Soil		1.2	11.9	15.7	46	<0.1	15.5	5.9	208	2.97	12.9	1.9	2.7	7.1	9	<0.1	0.5	2.0	63	0.09	0.046
118510	Soil		1.3	16.9	20.5	64	<0.1	20.4	9.3	415	3.43	13.1	6.0	1.9	20.3	8	0.1	0.6	0.3	40	0.11	0.050
118511	Soil		1.1	20.5	12.8	55	<0.1	20.5	8.1	286	2.59	12.3	2.5	3.4	5.1	18	<0.1	0.6	0.2	50	0.19	0.063
118512	Soil		1.1	16.5	10.6	50	<0.1	17.0	6.7	189	2.49	12.4	1.2	3.2	5.5	13	<0.1	0.5	0.2	52	0.14	0.042
118513	Soil		1.1	19.2	14.2	55	<0.1	19.8	13.2	684	2.76	13.3	1.4	2.3	8.4	12	0.1	0.6	0.2	53	0.12	0.046
118514	Soil		1.4	6.0	10.0	39	<0.1	7.6	4.1	216	2.06	7.3	1.8	2.4	13.6	7	<0.1	0.4	0.2	37	0.06	0.029
118515	Soil		1.0	18.7	14.7	65	<0.1	20.4	9.7	356	3.09	12.5	2.1	1.1	21.1	10	<0.1	0.6	0.2	42	0.11	0.043
118516	Soil		0.9	15.2	11.6	60	<0.1	21.2	10.3	337	2.80	13.1	1.6	1.6	13.3	12	0.1	0.5	0.2	44	0.14	0.038
118517	Soil		1.0	8.5	14.3	46	<0.1	13.2	5.4	190	2.56	11.2	1.1	2.8	8.1	8	<0.1	0.5	0.7	55	0.07	0.033
118518	Soil		1.0	17.9	13.9	56	<0.1	17.4	7.0	210	2.87	13.3	4.7	3.4	18.3	14	<0.1	0.5	0.9	46	0.13	0.028
118519	Soil		0.9	21.7	17.1	56	<0.1	18.7	8.4	252	2.73	11.0	2.7	4.7	13.4	12	<0.1	0.7	2.3	52	0.10	0.033
118520	Soil		2.0	36.8	15.1	122	<0.1	10.6	13.9	804	4.88	6.1	9.4	<0.5	37.0	10	<0.1	0.3	1.7	34	0.17	0.106
118521	Soil		1.8	14.4	16.0	49	<0.1	16.7	7.6	278	3.17	12.7	1.5	2.9	10.0	11	<0.1	0.6	2.5	64	0.10	0.035
118522	Soil		1.4	18.6	14.9	73	<0.1	23.8	14.3	373	3.70	15.2	1.2	3.2	10.9	9	<0.1	0.7	1.2	55	0.10	0.065
118523	Soil		1.1	10.1	22.4	76	<0.1	17.7	8.2	446	3.68	7.8	2.3	2.3	34.3	8	<0.1	0.3	1.8	41	0.17	0.087
118524	Soil		1.0	25.7	13.5	60	<0.1	23.9	10.2	313	2.89	12.7	3.2	4.4	13.6	12	<0.1	0.7	0.2	50	0.12	0.031
118525	Soil		1.2	27.4	16.0	75	<0.1	29.5	13.2	328	3.10	17.2	1.2	6.5	9.9	9	0.2	0.9	0.3	54	0.08	0.032
118526	Soil		1.3	22.1	13.0	72	<0.1	25.1	9.6	280	3.29	13.5	2.5	2.3	18.4	9	0.1	0.6	0.3	53	0.11	0.045
118527	Soil		1.3	14.8	16.1	68	<0.1	16.9	8.3	332	3.02	12.8	3.4	3.4	11.5	8	<0.1	0.6	0.4	53	0.07	0.036
118528	Soil		1.7	11.3	19.9	98	<0.1	14.9	6.4	402	3.89	7.3	5.5	1.6	28.2	4	<0.1	0.3	0.4	41	0.07	0.100
118529	Soil		1.5	14.0	27.2	80	<0.1	18.5	8.0	367	3.36	10.8	4.9	0.7	23.3	7	<0.1	0.5	6.3	48	0.10	0.067
118530	Soil		2.0	16.6	19.4	64	<0.1	38.6	8.5	234	4.00	7.5	4.6	1.5	52.0	18	<0.1	0.3	0.5	45	0.32	0.107
118531	Soil		0.9	11.9	17.4	114	<0.1	18.0	10.9	390	4.45	7.3	1.9	0.7	31.1	15	<0.1	0.3	0.4	58	0.22	0.113

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 Report Date: August 07, 2011

Page: 8 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
118502	Soil	33	28	0.36	134	0.032	<1	1.47	0.005	0.08	0.3	0.03	3.0	0.2	0.06	5	<0.5	<0.2
118503	Soil	13	24	0.31	101	0.017	<1	1.90	0.005	0.09	0.5	0.02	2.5	0.2	0.08	8	<0.5	<0.2
118504	Soil	12	32	0.42	128	0.034	<1	2.10	0.005	0.06	0.2	0.04	3.0	0.1	<0.05	5	<0.5	<0.2
118505	Soil	13	21	0.22	108	0.006	<1	1.70	0.004	0.05	0.2	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
118506	Soil	17	35	0.56	156	0.040	<1	2.42	0.006	0.08	0.2	0.04	3.6	0.1	<0.05	5	<0.5	<0.2
118507	Soil	19	32	0.41	130	0.028	<1	2.16	0.005	0.06	0.2	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
118508	Soil	15	31	0.36	141	0.041	<1	2.02	0.005	0.05	0.3	0.04	2.6	0.1	<0.05	7	<0.5	<0.2
118509	Soil	20	29	0.34	116	0.044	<1	1.72	0.006	0.06	0.3	0.02	2.7	0.2	<0.05	7	<0.5	<0.2
118510	Soil	36	29	0.31	131	0.022	<1	1.60	0.005	0.07	0.2	0.02	2.7	0.2	<0.05	4	0.9	<0.2
118511	Soil	21	30	0.40	199	0.037	<1	1.55	0.008	0.05	0.2	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
118512	Soil	21	28	0.36	168	0.038	<1	1.59	0.006	0.06	0.2	0.04	3.3	0.1	<0.05	6	<0.5	<0.2
118513	Soil	20	33	0.39	178	0.035	<1	1.83	0.006	0.05	0.2	0.05	3.8	0.1	<0.05	6	<0.5	<0.2
118514	Soil	25	16	0.14	76	0.015	<1	1.06	0.003	0.07	0.2	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
118515	Soil	32	28	0.42	175	0.024	<1	2.27	0.005	0.13	0.1	0.04	3.3	0.2	<0.05	6	<0.5	<0.2
118516	Soil	23	31	0.43	161	0.041	<1	1.91	0.006	0.10	0.2	0.05	3.6	0.2	<0.05	5	<0.5	<0.2
118517	Soil	18	25	0.28	94	0.026	<1	1.65	0.004	0.06	0.2	0.03	2.1	0.1	<0.05	7	<0.5	<0.2
118518	Soil	78	29	0.43	203	0.022	<1	2.25	0.006	0.09	0.2	0.05	5.2	0.2	<0.05	6	1.2	<0.2
118519	Soil	25	32	0.45	156	0.033	<1	2.11	0.006	0.07	0.3	0.05	5.1	0.2	<0.05	5	<0.5	<0.2
118520	Soil	30	17	0.21	124	0.013	<1	2.06	0.005	0.22	0.3	0.02	4.8	0.5	<0.05	8	0.8	<0.2
118521	Soil	23	32	0.33	165	0.038	<1	2.27	0.006	0.07	0.4	0.02	3.5	0.2	<0.05	8	0.8	<0.2
118522	Soil	13	37	0.50	183	0.079	<1	2.80	0.007	0.23	0.2	0.03	3.6	0.5	<0.05	8	<0.5	<0.2
118523	Soil	25	27	0.39	132	0.051	<1	2.75	0.006	0.26	0.1	0.02	3.4	0.6	<0.05	10	<0.5	<0.2
118524	Soil	26	30	0.50	186	0.053	<1	1.90	0.006	0.08	0.2	0.04	4.7	0.2	<0.05	5	0.6	<0.2
118525	Soil	14	35	0.53	187	0.054	<1	2.51	0.006	0.13	0.2	0.03	3.7	0.2	<0.05	6	<0.5	<0.2
118526	Soil	22	32	0.53	153	0.112	<1	2.66	0.007	0.28	0.5	0.03	4.1	0.5	<0.05	8	<0.5	<0.2
118527	Soil	35	28	0.34	135	0.031	<1	1.81	0.005	0.06	0.2	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
118528	Soil	37	28	0.24	96	0.006	<1	1.94	0.004	0.10	1.3	0.01	3.5	0.3	<0.05	9	<0.5	<0.2
118529	Soil	42	33	0.34	123	0.054	<1	2.22	0.006	0.21	2.4	0.02	3.1	0.4	<0.05	8	0.7	<0.2
118530	Soil	93	71	0.47	100	0.093	<1	2.19	0.008	0.50	0.2	0.01	5.7	0.3	<0.05	13	<0.5	<0.2
118531	Soil	35	26	0.57	190	0.259	<1	3.24	0.007	0.70	0.4	0.02	5.2	1.0	<0.05	14	0.7	<0.2

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Project: Burnham
 Report Date: August 07, 2011

Page: 9 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
118532	Soil	1.1	14.0	13.2	53	<0.1	19.3	6.8	207	2.76	9.4	3.0	9.8	34.9	13	<0.1	0.4	0.3	40	0.23	0.092
118533	Soil	0.8	8.7	14.8	63	0.1	14.2	7.4	221	3.10	5.8	2.8	<0.5	31.8	18	<0.1	0.3	0.2	46	0.24	0.102
118534	Soil	2.0	42.1	39.9	92	0.2	22.9	6.7	242	3.63	7.3	6.1	<0.5	53.9	10	0.2	0.3	6.4	35	0.19	0.093
118535	Soil	0.6	10.7	15.0	77	<0.1	12.3	8.4	333	4.00	3.5	5.0	0.9	50.0	18	<0.1	0.2	0.4	45	0.45	0.191
118536	Soil	1.0	11.0	20.3	115	<0.1	15.0	9.0	467	4.42	4.1	1.5	0.6	21.9	14	<0.1	0.3	0.4	57	0.22	0.141
118537	Soil	1.2	14.6	14.3	65	<0.1	19.1	11.2	309	4.58	10.2	1.2	2.2	16.7	10	0.1	0.4	0.4	58	0.14	0.088
118538	Soil	1.0	22.5	12.4	56	<0.1	26.7	10.5	234	2.76	15.6	0.9	5.1	18.8	11	<0.1	0.8	0.2	49	0.10	0.023
118539	Soil	1.2	17.6	12.8	56	<0.1	23.6	9.1	240	2.99	13.8	0.9	0.9	11.9	9	<0.1	0.8	0.2	57	0.10	0.038
118540	Soil	0.5	12.7	9.8	38	<0.1	10.5	7.3	275	2.77	3.9	2.5	1.1	39.2	14	<0.1	0.2	0.2	25	0.34	0.109
118541	Soil	0.5	9.0	9.6	40	<0.1	10.4	4.6	115	1.99	6.2	1.1	1.2	10.8	15	<0.1	0.4	0.2	37	0.19	0.062
118542	Soil	1.1	10.3	13.7	65	<0.1	14.0	8.6	284	3.00	9.9	0.6	1.5	8.6	9	0.1	0.4	0.3	66	0.11	0.057
118543	Soil	1.5	19.2	12.7	57	<0.1	21.3	9.2	200	3.21	11.7	0.9	3.5	16.1	10	<0.1	0.7	0.2	56	0.09	0.035
118544	Soil	1.1	16.7	17.2	61	0.1	12.9	7.7	299	3.70	9.1	1.3	1.0	21.0	12	<0.1	0.4	0.5	50	0.14	0.052
118545	Soil	1.2	16.7	13.0	54	<0.1	21.4	9.9	242	3.12	13.9	0.9	3.1	15.2	9	<0.1	0.8	0.2	50	0.09	0.038
118546	Soil	1.1	16.5	13.6	76	<0.1	20.8	10.1	266	3.26	10.0	2.1	0.8	26.3	12	0.1	0.6	0.3	59	0.12	0.039
118547	Soil	1.3	16.4	13.8	62	<0.1	20.8	8.1	292	3.02	14.5	0.9	1.6	17.4	11	<0.1	0.7	0.2	60	0.10	0.040
118548	Soil	0.8	9.0	10.5	66	<0.1	14.0	8.1	259	3.42	6.1	0.9	2.0	11.0	8	<0.1	0.4	0.2	51	0.10	0.041
118549	Soil	0.7	16.2	10.0	64	<0.1	17.3	8.9	262	3.40	8.4	1.2	2.3	28.9	8	<0.1	0.5	0.2	48	0.09	0.031
118550	Soil	1.0	31.3	12.4	56	<0.1	23.9	10.4	323	3.04	10.3	1.7	2.6	32.6	11	<0.1	0.8	0.3	48	0.10	0.026
118551	Soil	0.7	9.6	8.1	42	<0.1	14.5	7.1	206	2.98	4.3	1.3	1.3	26.6	12	<0.1	0.3	0.2	45	0.18	0.049
118552	Soil	0.7	11.1	13.2	48	<0.1	14.6	6.4	187	2.65	5.6	1.7	1.9	22.4	14	<0.1	0.4	0.3	46	0.17	0.037
118553	Soil	0.8	10.0	11.5	45	<0.1	14.3	6.3	206	2.92	2.3	2.8	2.0	35.3	18	<0.1	0.2	0.2	37	0.26	0.071
118554	Soil	1.1	13.1	22.5	77	<0.1	15.1	8.8	282	3.90	6.3	2.5	0.7	40.2	8	<0.1	0.3	0.4	47	0.23	0.130
118555	Soil	0.8	28.9	10.8	57	<0.1	20.5	7.6	214	2.61	11.5	1.4	3.4	11.4	12	<0.1	0.7	0.2	50	0.10	0.020
118556	Soil	1.1	17.6	17.4	63	<0.1	17.1	8.1	277	3.32	7.4	1.8	3.5	36.7	14	<0.1	0.5	0.3	47	0.18	0.045
118557	Soil	1.7	10.9	16.0	83	<0.1	16.9	9.3	365	4.16	2.4	3.3	0.7	57.2	21	0.1	0.1	0.4	44	0.34	0.167
118558	Soil	1.0	9.9	14.5	43	<0.1	17.0	7.0	191	2.14	6.9	1.1	1.8	17.5	19	<0.1	0.3	0.4	44	0.19	0.055
118559	Soil	1.1	26.2	15.2	73	<0.1	20.3	8.9	392	3.89	6.4	3.3	4.7	52.8	15	<0.1	0.5	0.4	48	0.23	0.081
118560	Soil	1.0	14.7	14.5	54	<0.1	16.7	7.3	209	2.67	7.8	1.5	1.6	19.6	15	<0.1	0.4	0.2	49	0.19	0.037
118561	Soil	0.9	12.7	12.0	76	<0.1	13.8	7.9	269	3.71	6.2	1.8	4.8	32.7	12	<0.1	0.3	0.3	52	0.30	0.092

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 Report Date: August 07, 2011

Page: 9 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
118532	Soil	54	30	0.37	83	0.123	<1	1.94	0.009	0.34	0.2	0.02	3.5	0.4	<0.05	7	0.5	<0.2
118533	Soil	50	23	0.38	144	0.087	<1	2.04	0.006	0.26	0.2	0.02	3.2	0.3	<0.05	9	<0.5	<0.2
118534	Soil	159	36	0.39	67	0.013	<1	1.95	0.006	0.29	0.1	0.02	3.1	<0.1	<0.05	12	<0.5	<0.2
118535	Soil	76	20	0.51	127	0.200	<1	2.42	0.008	0.69	0.2	0.01	5.3	0.7	<0.05	14	0.5	<0.2
118536	Soil	13	28	0.55	245	0.268	<1	2.81	0.008	0.61	0.4	0.02	5.7	0.9	<0.05	19	<0.5	<0.2
118537	Soil	14	31	0.62	208	0.200	<1	3.29	0.008	0.65	0.2	0.03	6.4	0.7	<0.05	14	<0.5	<0.2
118538	Soil	27	32	0.49	184	0.056	2	1.95	0.006	0.07	0.2	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
118539	Soil	15	30	0.44	162	0.081	3	2.18	0.006	0.14	0.2	<0.01	2.8	0.2	<0.05	6	<0.5	<0.2
118540	Soil	63	17	0.99	155	0.127	<1	1.92	0.007	0.71	0.1	0.01	4.2	0.5	<0.05	9	<0.5	<0.2
118541	Soil	25	21	0.36	132	0.053	<1	1.30	0.008	0.07	0.1	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
118542	Soil	13	30	0.41	148	0.064	2	2.01	0.006	0.10	0.2	<0.01	3.1	0.1	<0.05	8	<0.5	<0.2
118543	Soil	14	35	0.44	193	0.064	<1	2.39	0.007	0.12	0.2	0.03	3.1	0.2	<0.05	7	<0.5	<0.2
118544	Soil	24	26	0.58	176	0.017	<1	2.36	0.006	0.07	0.1	<0.01	2.5	0.1	<0.05	9	<0.5	<0.2
118545	Soil	13	31	0.46	149	0.070	2	2.10	0.005	0.15	0.2	0.01	2.8	0.2	<0.05	6	<0.5	<0.2
118546	Soil	24	32	0.51	182	0.104	1	2.39	0.007	0.20	0.2	<0.01	3.7	0.2	<0.05	8	<0.5	<0.2
118547	Soil	16	35	0.47	156	0.047	<1	2.23	0.005	0.07	0.2	<0.01	2.7	0.1	<0.05	6	<0.5	<0.2
118548	Soil	20	24	0.85	162	0.084	<1	2.97	0.006	0.10	0.1	0.02	2.4	0.2	<0.05	10	<0.5	<0.2
118549	Soil	17	29	0.51	175	0.152	<1	2.49	0.007	0.43	0.2	0.01	4.1	0.5	<0.05	9	<0.5	<0.2
118550	Soil	32	32	0.48	222	0.069	<1	2.34	0.009	0.10	0.2	0.03	3.5	0.2	<0.05	6	0.8	<0.2
118551	Soil	34	21	0.56	137	0.129	<1	2.18	0.008	0.29	0.4	0.01	3.8	0.3	<0.05	9	0.5	<0.2
118552	Soil	28	24	0.42	114	0.078	<1	1.86	0.008	0.14	0.4	0.01	3.2	0.2	<0.05	8	<0.5	<0.2
118553	Soil	44	23	0.50	103	0.156	<1	1.92	0.007	0.46	0.3	0.02	5.6	0.4	<0.05	10	<0.5	<0.2
118554	Soil	31	26	0.42	121	0.124	<1	2.28	0.008	0.51	0.3	<0.01	4.2	0.5	<0.05	12	<0.5	<0.2
118555	Soil	37	31	0.44	152	0.056	2	1.61	0.007	0.05	0.1	0.04	4.1	<0.1	<0.05	5	<0.5	<0.2
118556	Soil	87	29	0.43	168	0.115	<1	2.19	0.012	0.26	0.1	0.02	4.2	0.3	<0.05	9	<0.5	<0.2
118557	Soil	18	27	0.50	140	0.225	<1	2.62	0.010	0.85	0.2	0.01	5.1	0.8	<0.05	14	0.8	<0.2
118558	Soil	22	25	0.36	121	0.049	1	1.85	0.008	0.10	0.5	<0.01	2.6	0.1	<0.05	6	<0.5	<0.2
118559	Soil	77	31	0.49	280	0.066	<1	2.15	0.010	0.21	0.1	0.03	6.4	0.2	<0.05	12	0.8	<0.2
118560	Soil	33	27	0.39	171	0.093	2	2.05	0.010	0.15	0.2	0.01	3.6	0.2	<0.05	7	<0.5	<0.2
118561	Soil	39	23	0.46	155	0.183	<1	2.29	0.011	0.43	0.3	<0.01	4.4	0.5	<0.05	13	<0.5	<0.2

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 Report Date: August 07, 2011

Page: 10 of 12 Part 1

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WHI11000545.1

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	P
			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	2	0.01	0.001	
118562	Soil		1.5	12.9	12.3	58	<0.1	17.5	6.9	286	2.76	12.5	0.7	<0.5	1.6	9	0.1	0.7	0.5	58	0.08	0.036
118563	Soil		1.3	11.9	16.1	57	<0.1	16.9	6.6	215	3.50	20.3	0.8	4.1	3.7	8	0.2	0.7	0.8	61	0.08	0.045
118564	Soil		1.1	11.4	14.2	48	<0.1	12.4	6.7	248	2.77	9.5	1.0	2.1	4.8	9	<0.1	0.6	0.3	68	0.09	0.034
118565	Soil		1.3	15.3	13.1	65	<0.1	20.2	7.8	266	2.87	13.2	2.2	2.2	6.0	9	<0.1	0.6	0.5	47	0.08	0.030
118566	Soil		1.1	18.1	13.0	57	<0.1	21.4	7.9	255	2.74	13.3	1.8	1.7	6.3	7	<0.1	0.7	0.4	46	0.08	0.040
118567	Soil		1.0	18.9	12.3	59	<0.1	19.6	7.8	237	2.74	10.6	1.1	3.7	5.0	9	<0.1	0.7	0.2	54	0.08	0.027
118568	Soil		1.2	15.6	12.9	53	<0.1	19.6	8.3	190	2.78	12.5	1.8	1.5	6.9	9	<0.1	0.7	0.3	48	0.09	0.033
118569	Soil		1.5	21.6	15.4	74	<0.1	30.1	9.0	217	2.95	15.9	0.8	2.1	7.1	9	<0.1	0.9	0.3	60	0.08	0.027
118570	Soil		1.1	18.2	14.9	67	<0.1	19.5	8.1	336	2.83	11.9	1.0	2.3	8.1	7	<0.1	0.7	0.2	46	0.06	0.026
118571	Soil		1.3	22.0	13.8	59	<0.1	20.9	9.5	360	2.97	10.5	2.4	2.5	10.6	11	<0.1	0.6	0.2	60	0.09	0.020
118572	Soil		1.1	22.5	15.9	71	<0.1	20.0	10.3	362	3.02	8.6	3.1	2.2	22.4	12	<0.1	0.6	0.3	45	0.13	0.028
118573	Soil		1.0	13.2	11.9	61	<0.1	18.2	8.8	253	3.10	11.9	1.3	1.2	10.4	8	<0.1	0.6	0.3	49	0.07	0.032
118574	Soil		1.1	13.1	10.6	61	<0.1	12.4	7.4	304	3.63	9.6	3.1	4.8	21.4	8	<0.1	0.4	0.2	48	0.13	0.116
118575	Soil		1.3	8.1	12.2	63	<0.1	11.2	7.6	456	3.19	7.3	2.1	3.5	25.6	6	<0.1	0.3	0.3	44	0.12	0.079
118576	Soil		1.2	14.2	11.4	77	<0.1	16.8	10.0	523	3.20	9.3	1.6	4.4	15.0	7	<0.1	0.4	0.2	47	0.10	0.073
118577	Soil		0.9	15.0	11.1	60	<0.1	17.0	8.8	301	2.54	10.1	1.1	3.3	5.6	6	0.1	0.5	0.7	44	0.06	0.029
118578	Soil		0.5	13.7	10.4	47	<0.1	13.7	5.8	159	2.22	7.2	1.3	4.3	20.1	6	<0.1	0.3	0.2	25	0.09	0.037
118579	Soil		1.1	23.4	11.9	55	<0.1	23.8	9.8	230	2.88	11.1	0.8	3.1	5.6	9	<0.1	0.6	0.2	54	0.08	0.022
118580	Soil		1.2	14.8	11.6	47	<0.1	17.7	9.3	233	2.87	11.5	0.5	3.6	3.4	7	<0.1	0.6	0.2	56	0.07	0.042
118581	Soil		0.7	25.4	9.4	48	<0.1	21.1	7.6	174	2.14	9.5	1.0	3.7	9.5	6	<0.1	0.6	0.2	35	0.06	0.017
118582	Soil		1.3	12.2	16.1	57	<0.1	10.2	5.0	492	2.58	5.7	3.3	2.9	14.3	11	<0.1	0.3	0.4	23	0.10	0.045
118583	Soil		1.0	9.3	13.6	66	<0.1	13.8	6.8	392	2.92	8.0	1.2	2.2	7.4	8	0.2	0.4	0.3	43	0.08	0.084
118584	Soil		0.9	27.3	14.8	80	<0.1	24.7	11.5	482	4.39	8.0	2.6	1.5	38.2	5	<0.1	0.4	0.3	63	0.10	0.031
118585	Soil		1.2	24.8	16.8	62	<0.1	26.1	10.0	192	2.92	12.4	0.9	2.1	11.7	7	<0.1	0.6	0.5	47	0.06	0.035
118586	Soil		0.7	20.6	10.1	53	<0.1	25.7	10.6	266	2.81	6.3	1.1	3.1	8.6	6	<0.1	0.4	1.3	32	0.05	0.013
118587	Soil		0.8	17.0	18.2	55	<0.1	15.2	6.8	197	3.40	5.2	3.6	2.2	33.8	10	<0.1	0.3	0.2	28	0.13	0.053
118588	Soil		1.0	19.0	9.9	51	<0.1	25.0	9.3	175	2.44	12.2	0.5	7.1	6.4	9	<0.1	0.7	0.2	39	0.10	0.032
118589	Soil		0.9	22.1	12.7	48	<0.1	23.1	9.8	234	2.66	10.4	0.6	1.9	8.0	9	<0.1	0.6	0.2	46	0.08	0.031
118590	Soil		1.3	14.5	12.7	51	<0.1	18.1	8.9	271	3.35	12.9	0.5	6.5	5.2	7	0.1	0.7	0.2	55	0.06	0.065
118591	Soil		1.0	48.3	10.3	34	<0.1	38.6	18.8	326	5.03	4.3	0.6	1.7	3.2	12	<0.1	0.2	0.4	53	0.15	0.102

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Project: Burnham
 Report Date: August 07, 2011

Page: 10 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
118562	Soil	13	24	0.31	125	0.027	1	1.65	0.006	0.06	0.2	0.02	1.7	0.2	<0.05	6	<0.5	<0.2
118563	Soil	13	26	0.36	137	0.029	1	1.75	0.007	0.07	0.3	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
118564	Soil	13	30	0.36	154	0.050	1	2.09	0.006	0.05	0.2	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
118565	Soil	12	26	0.39	182	0.034	<1	1.97	0.007	0.05	0.2	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
118566	Soil	14	27	0.40	142	0.025	1	1.99	0.005	0.06	0.2	0.03	2.5	0.1	<0.05	5	<0.5	<0.2
118567	Soil	16	30	0.44	159	0.047	<1	1.97	0.007	0.05	0.1	0.02	3.7	0.1	<0.05	5	0.5	<0.2
118568	Soil	15	28	0.45	170	0.033	1	1.92	0.006	0.05	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
118569	Soil	15	34	0.50	189	0.051	2	2.40	0.007	0.07	0.3	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
118570	Soil	12	26	0.42	111	0.025	1	2.02	0.006	0.06	0.1	0.01	2.5	0.1	<0.05	5	<0.5	<0.2
118571	Soil	30	34	0.45	217	0.045	1	2.08	0.007	0.06	0.1	0.04	5.3	0.1	<0.05	6	0.6	<0.2
118572	Soil	38	25	0.48	215	0.037	<1	1.88	0.007	0.09	0.2	0.03	4.7	0.2	<0.05	7	<0.5	<0.2
118573	Soil	17	28	0.43	124	0.040	<1	1.98	0.006	0.08	0.1	0.02	2.7	0.1	<0.05	6	0.5	<0.2
118574	Soil	37	18	0.32	77	0.046	2	1.52	0.005	0.15	0.2	0.01	3.4	0.3	<0.05	7	<0.5	<0.2
118575	Soil	40	21	0.36	90	0.148	3	1.72	0.006	0.44	0.4	<0.01	2.8	0.7	<0.05	9	<0.5	<0.2
118576	Soil	34	27	0.39	156	0.063	1	1.91	0.005	0.21	0.2	0.02	2.7	0.4	<0.05	6	<0.5	<0.2
118577	Soil	15	25	0.40	169	0.037	<1	1.68	0.005	0.06	0.2	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
118578	Soil	24	17	0.31	89	0.010	1	1.48	0.003	0.06	0.1	0.02	2.1	0.1	<0.05	3	<0.5	<0.2
118579	Soil	15	34	0.47	222	0.036	2	1.86	0.006	0.05	0.2	0.02	3.9	0.1	<0.05	5	<0.5	<0.2
118580	Soil	12	27	0.34	209	0.031	1	2.30	0.006	0.03	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
118581	Soil	21	23	0.38	110	0.033	2	1.37	0.005	0.04	0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
118582	Soil	13	13	0.20	121	0.004	1	1.30	0.005	0.07	0.2	<0.01	1.4	0.2	<0.05	5	<0.5	<0.2
118583	Soil	9	21	0.32	152	0.016	<1	1.53	0.005	0.07	0.2	0.01	1.5	<0.1	<0.05	7	<0.5	<0.2
118584	Soil	41	35	0.68	165	0.141	<1	2.85	0.007	0.16	0.3	0.01	5.6	0.3	<0.05	12	<0.5	<0.2
118585	Soil	10	26	0.42	166	0.018	1	2.41	0.005	0.06	0.2	0.02	2.6	0.1	<0.05	7	<0.5	<0.2
118586	Soil	27	21	0.36	138	0.021	1	1.37	0.006	0.05	2.7	<0.01	3.4	0.1	<0.05	4	<0.5	<0.2
118587	Soil	80	23	0.40	103	0.010	<1	1.88	0.006	0.10	<0.1	0.02	4.3	0.1	<0.05	7	<0.5	<0.2
118588	Soil	11	25	0.42	141	0.030	<1	1.56	0.005	0.06	0.2	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
118589	Soil	13	30	0.42	203	0.033	1	2.00	0.006	0.05	0.2	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
118590	Soil	10	30	0.38	149	0.035	1	2.04	0.006	0.05	0.2	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
118591	Soil	11	46	1.03	160	0.087	<1	2.56	0.008	0.56	0.2	<0.01	5.2	0.4	<0.05	7	<0.5	<0.2



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 Report Date: August 07, 2011

Page: 11 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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
118592	Soil	1.2	17.0	12.2	63	<0.1	22.1	8.6	267	2.92	11.0	0.6	2.1	7.4	7	<0.1	0.6	0.2	55	0.07	0.040
120483	Soil	0.8	7.8	15.3	67	<0.1	11.8	5.8	429	3.90	7.8	3.7	1.4	19.0	8	<0.1	0.3	0.3	52	0.08	0.082
120484	Soil	1.1	14.0	10.8	52	<0.1	20.8	7.6	220	3.07	12.3	1.0	2.1	5.3	7	<0.1	0.6	0.2	46	0.07	0.026
120485	Soil	1.1	7.0	10.9	68	<0.1	11.0	6.7	311	2.92	8.3	0.8	1.6	5.0	6	<0.1	0.5	0.2	50	0.06	0.057
120486	Soil	1.2	6.1	11.9	58	<0.1	8.5	3.8	191	2.80	3.7	4.4	1.4	19.6	4	<0.1	0.2	0.4	32	0.05	0.033
120487	Soil	1.6	6.6	10.4	44	<0.1	11.1	5.0	207	3.44	12.4	1.0	1.9	3.1	6	<0.1	0.5	0.2	53	0.05	0.052
120488	Soil	1.1	10.9	9.2	41	<0.1	10.4	3.8	118	2.31	7.0	3.9	1.6	8.4	5	<0.1	0.3	0.6	25	0.05	0.038
120489	Soil	1.4	13.1	14.8	68	<0.1	18.4	6.7	385	2.98	11.8	5.3	4.0	9.7	6	<0.1	0.6	0.2	40	0.08	0.137
120490	Soil	1.2	12.0	11.5	68	<0.1	17.6	6.4	372	3.03	10.3	5.2	3.6	9.6	6	<0.1	0.5	0.2	42	0.09	0.119
120491	Soil	0.8	14.9	8.9	46	<0.1	16.0	6.3	204	2.25	8.1	1.2	3.3	6.1	8	<0.1	0.5	0.1	37	0.08	0.022
120492	Soil	1.1	9.1	9.9	120	<0.1	15.4	10.7	359	2.48	7.1	1.0	2.0	7.0	6	<0.1	0.4	0.2	40	0.07	0.039
120493	Soil	0.7	4.3	11.3	41	<0.1	6.1	2.3	170	1.89	1.9	2.1	1.3	9.0	4	<0.1	0.2	0.2	24	0.05	0.029
120494	Soil	1.1	15.8	10.3	52	<0.1	21.2	8.7	244	2.59	12.2	1.2	3.0	8.1	8	<0.1	0.6	0.2	40	0.09	0.029
120495	Soil	1.0	11.9	11.6	58	<0.1	17.6	7.5	278	2.81	10.5	1.1	1.9	5.4	6	<0.1	0.6	0.2	46	0.07	0.113
120496	Soil	1.1	29.6	12.0	62	<0.1	22.0	7.4	332	2.65	10.0	2.8	4.1	10.0	10	0.1	0.6	0.2	47	0.10	0.025
120497	Soil	1.1	7.8	12.7	40	<0.1	10.4	5.3	253	2.32	8.0	1.3	2.8	2.6	7	<0.1	0.4	0.2	43	0.09	0.068
120498	Soil	1.0	9.1	10.6	56	<0.1	14.8	7.2	187	2.64	9.5	1.9	1.6	6.4	8	<0.1	0.5	0.4	39	0.11	0.047
120499	Soil	0.7	7.6	9.1	40	<0.1	12.2	4.9	172	2.37	8.5	1.2	1.8	7.6	6	<0.1	0.3	0.3	36	0.06	0.034
120500	Soil	1.0	6.1	13.8	51	<0.1	9.6	3.1	230	2.96	6.7	5.0	1.1	22.0	6	<0.1	0.3	0.4	29	0.09	0.229
120501	Soil	0.8	7.4	20.2	75	<0.1	12.8	7.5	1082	3.44	5.4	4.8	1.5	27.1	19	0.2	0.2	0.4	36	0.30	0.209
120502	Soil	1.0	15.2	13.6	54	<0.1	15.7	6.6	258	2.47	9.7	3.3	9.6	10.9	10	<0.1	0.5	0.5	36	0.12	0.041
120503	Soil	1.4	15.5	17.3	59	<0.1	16.1	7.9	321	2.68	8.4	6.8	3.8	13.2	12	<0.1	0.5	0.3	38	0.15	0.043
120504	Soil	1.6	14.5	16.0	69	<0.1	19.4	9.5	335	3.12	9.2	2.9	2.3	14.2	14	<0.1	0.6	0.3	46	0.16	0.041
120505	Soil	0.8	20.2	13.3	44	<0.1	16.4	6.6	216	2.39	10.1	1.3	2.6	3.7	14	<0.1	0.5	0.2	47	0.14	0.086
120506	Soil	1.2	18.5	12.9	61	<0.1	23.4	8.8	280	3.00	13.1	0.9	1.8	6.0	10	<0.1	0.7	0.3	57	0.08	0.030
120507	Soil	0.9	14.3	27.0	87	<0.1	17.6	8.6	384	4.07	5.8	3.5	7.6	33.0	5	<0.1	0.3	0.4	43	0.08	0.036
120508	Soil	1.0	17.9	14.5	58	<0.1	17.2	7.4	301	3.03	8.3	2.9	2.2	15.9	8	<0.1	0.5	0.4	47	0.07	0.024
120509	Soil	1.0	16.4	16.7	60	<0.1	17.0	7.1	249	2.86	7.4	2.8	3.0	13.3	9	<0.1	0.4	0.3	39	0.08	0.024
120510	Soil	1.0	95.0	40.3	147	0.2	99.5	22.2	553	6.19	8.0	1.0	0.6	5.7	10	0.1	0.3	0.7	70	0.19	0.066
120511	Soil	0.7	21.6	15.6	63	<0.1	17.9	7.9	308	3.06	6.5	1.8	2.5	19.6	12	<0.1	0.4	0.2	39	0.12	0.037

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Page: 11 of 12 Part 2

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WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
118592	Soil	12	31	0.42	162	0.036	<1	2.23	0.006	0.06	0.3	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
120483	Soil	44	22	0.38	162	0.156	<1	2.09	0.008	0.52	0.5	0.02	3.7	1.2	<0.05	13	<0.5	<0.2
120484	Soil	10	24	0.39	133	0.060	<1	1.84	0.005	0.11	0.2	0.02	2.3	0.3	<0.05	6	<0.5	<0.2
120485	Soil	14	21	0.31	94	0.029	1	1.43	0.004	0.05	0.2	0.02	1.5	0.2	<0.05	6	<0.5	<0.2
120486	Soil	34	15	0.21	87	0.028	1	1.60	0.008	0.21	0.2	<0.01	2.5	0.5	<0.05	7	<0.5	<0.2
120487	Soil	10	21	0.26	67	0.026	<1	1.29	0.004	0.05	0.2	0.01	1.4	0.1	<0.05	6	<0.5	<0.2
120488	Soil	15	14	0.15	85	0.012	<1	1.30	0.005	0.08	0.2	0.01	1.3	0.2	<0.05	4	<0.5	<0.2
120489	Soil	43	25	0.37	104	0.043	1	1.87	0.004	0.13	0.3	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
120490	Soil	41	24	0.36	95	0.045	1	1.71	0.005	0.14	0.3	0.02	2.2	0.2	<0.05	7	<0.5	<0.2
120491	Soil	15	22	0.34	123	0.032	1	1.33	0.004	0.05	0.2	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
120492	Soil	10	23	0.32	145	0.029	<1	1.79	0.004	0.10	0.2	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2
120493	Soil	20	10	0.14	76	0.050	<1	1.09	0.004	0.21	0.3	<0.01	1.5	0.6	<0.05	8	<0.5	<0.2
120494	Soil	11	25	0.37	139	0.038	<1	1.92	0.005	0.09	0.2	0.01	2.1	0.2	<0.05	5	<0.5	<0.2
120495	Soil	15	24	0.35	105	0.026	<1	1.76	0.005	0.07	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
120496	Soil	13	31	0.40	202	0.031	1	1.83	0.008	0.06	0.2	0.02	2.9	0.1	<0.05	5	0.5	<0.2
120497	Soil	13	18	0.28	141	0.018	<1	1.29	0.004	0.06	0.2	0.02	1.5	0.1	<0.05	5	0.5	<0.2
120498	Soil	10	19	0.28	172	0.024	1	1.41	0.005	0.09	0.2	0.01	1.7	0.2	<0.05	5	<0.5	<0.2
120499	Soil	12	17	0.31	94	0.045	1	1.41	0.004	0.16	0.2	0.01	1.8	0.3	<0.05	6	<0.5	<0.2
120500	Soil	41	15	0.22	107	0.051	<1	1.53	0.005	0.28	0.4	<0.01	2.0	0.7	<0.05	8	<0.5	<0.2
120501	Soil	59	21	0.42	293	0.131	<1	2.11	0.007	0.64	0.3	<0.01	3.2	1.0	<0.05	9	<0.5	<0.2
120502	Soil	24	22	0.39	98	0.026	1	1.38	0.006	0.08	0.2	0.01	2.1	0.2	<0.05	5	<0.5	<0.2
120503	Soil	27	24	0.41	139	0.036	<1	1.36	0.007	0.09	0.2	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
120504	Soil	15	30	0.51	145	0.045	2	1.87	0.009	0.13	0.2	0.01	2.5	0.3	<0.05	6	<0.5	<0.2
120505	Soil	18	27	0.42	199	0.034	<1	1.57	0.007	0.04	0.2	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
120506	Soil	17	33	0.53	159	0.044	<1	2.09	0.007	0.06	0.2	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
120507	Soil	19	24	0.58	91	0.043	<1	2.34	0.005	0.12	<0.1	<0.01	3.0	0.3	<0.05	10	<0.5	<0.2
120508	Soil	46	28	0.47	153	0.035	<1	2.01	0.008	0.08	0.2	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
120509	Soil	40	24	0.43	145	0.022	<1	1.75	0.007	0.08	0.1	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
120510	Soil	17	72	0.93	176	0.055	<1	3.46	0.013	0.40	9.7	0.01	6.1	0.5	<0.05	10	<0.5	<0.2
120511	Soil	50	23	0.51	162	0.030	1	1.78	0.008	0.07	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2

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.



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Project: Burnham
 Report Date: August 07, 2011

Page: 12 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
120512	Soil			1.0	22.2	14.9	55	<0.1	22.3	7.6	247	2.88	11.2	1.3	2.7	17.6	11	<0.1	0.7	0.2	50	0.09	0.024
120513	Soil			1.1	12.2	19.0	84	<0.1	16.4	8.1	362	3.23	8.4	1.7	1.6	11.3	7	0.3	0.4	0.3	38	0.10	0.053
120514	Soil			0.9	22.6	15.4	61	<0.1	19.4	7.8	243	2.80	10.2	2.2	3.3	18.6	11	0.2	0.6	0.2	38	0.09	0.026
120515	Soil			1.0	10.8	18.8	61	<0.1	10.0	4.7	280	3.27	9.7	6.2	1.0	29.8	7	<0.1	0.3	0.5	21	0.13	0.092
120516	Soil			0.9	11.7	17.5	59	<0.1	10.4	6.0	317	2.20	8.1	4.9	0.7	17.5	7	<0.1	0.3	1.9	22	0.14	0.088
120517	Soil			1.1	11.0	14.0	54	<0.1	13.4	4.7	155	2.15	9.3	2.9	0.9	9.6	7	0.1	0.4	0.4	31	0.06	0.023
120518	Soil			1.3	9.2	11.8	66	<0.1	8.3	2.4	215	2.29	6.4	5.7	<0.5	13.2	6	0.1	0.2	1.0	22	0.11	0.059
120519	Soil			1.0	11.6	12.8	46	<0.1	15.4	6.0	177	2.30	12.2	2.2	1.0	5.8	7	0.1	0.5	0.5	35	0.06	0.048
120520	Soil			0.6	10.8	10.1	43	<0.1	11.4	4.6	236	2.08	6.4	2.2	0.9	13.9	5	<0.1	0.2	1.1	19	0.08	0.051
120521	Soil			0.5	3.0	15.2	50	<0.1	5.7	3.4	295	2.57	4.5	7.4	3.0	25.7	5	<0.1	0.1	0.4	14	0.15	0.127
120522	Soil			1.1	8.2	10.4	46	<0.1	12.0	5.1	234	2.23	10.1	5.1	0.8	7.2	11	<0.1	0.3	1.2	33	0.11	0.052
120523	Soil			1.0	9.0	15.5	64	<0.1	8.2	3.6	370	2.38	9.3	6.6	0.6	9.7	10	0.2	0.3	0.5	25	0.10	0.063
120524	Soil			1.3	5.9	9.8	25	<0.1	8.6	3.0	342	1.30	23.8	3.9	0.8	3.5	7	<0.1	0.3	1.8	17	0.06	0.053
120525	Soil			1.4	8.7	14.8	40	<0.1	12.7	4.4	186	2.00	18.4	5.6	0.7	15.4	5	<0.1	0.4	0.5	20	0.04	0.044
120526	Soil			0.8	17.2	11.6	45	<0.1	15.8	5.6	198	2.12	11.3	3.7	1.7	12.1	7	<0.1	0.5	0.5	30	0.06	0.028
120527	Soil			1.1	12.7	17.6	35	<0.1	9.6	3.4	84	2.33	33.3	3.7	0.8	8.0	7	<0.1	0.5	1.8	27	0.04	0.059
120528	Soil			1.1	12.9	11.3	46	<0.1	16.8	5.8	174	2.27	13.8	1.1	1.6	4.9	8	<0.1	0.6	0.4	41	0.07	0.035
120529	Soil			0.9	10.0	11.6	49	<0.1	17.1	6.5	239	2.13	8.4	1.6	1.1	5.3	15	0.1	0.4	0.3	38	0.16	0.072
120530	Soil			1.2	6.4	20.1	33	<0.1	11.2	4.3	149	2.17	14.9	4.2	2.7	16.7	15	<0.1	0.3	1.6	28	0.13	0.224
120531	Soil			1.0	11.2	12.4	36	<0.1	15.3	5.9	174	2.06	14.7	2.0	0.9	5.9	15	<0.1	0.4	1.0	38	0.12	0.034



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Report Date: August 07, 2011

Page: 12 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000545.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
120512	Soil	28	31	0.50	156	0.028	1	2.16	0.006	0.06	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
120513	Soil	10	22	0.42	118	0.013	<1	2.03	0.006	0.08	0.2	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
120514	Soil	33	25	0.47	149	0.025	<1	1.81	0.007	0.08	0.1	0.03	2.8	0.2	<0.05	5	<0.5	<0.2
120515	Soil	31	12	0.31	86	0.007	<1	2.00	0.005	0.13	0.1	<0.01	2.0	0.3	<0.05	7	<0.5	<0.2
120516	Soil	17	14	0.22	86	0.007	<1	1.54	0.005	0.08	0.2	<0.01	1.3	0.1	<0.05	4	<0.5	<0.2
120517	Soil	12	19	0.34	90	0.015	<1	1.59	0.005	0.06	0.2	0.02	1.5	0.1	<0.05	4	<0.5	<0.2
120518	Soil	20	14	0.18	67	0.008	<1	1.47	0.005	0.11	0.2	0.01	1.5	0.2	<0.05	7	<0.5	<0.2
120519	Soil	11	22	0.33	93	0.028	<1	1.49	0.005	0.09	0.1	0.01	1.4	0.1	<0.05	4	<0.5	<0.2
120520	Soil	13	12	0.23	77	0.013	<1	1.48	0.006	0.09	0.2	0.02	1.3	0.2	<0.05	5	<0.5	<0.2
120521	Soil	36	9	0.16	52	0.008	<1	1.73	0.005	0.13	0.2	<0.01	1.2	0.3	<0.05	8	<0.5	<0.2
120522	Soil	10	18	0.27	90	0.012	<1	1.47	0.006	0.08	0.1	<0.01	1.3	0.2	<0.05	5	<0.5	<0.2
120523	Soil	9	13	0.21	122	0.004	<1	1.87	0.006	0.09	0.3	0.01	1.4	0.3	<0.05	6	<0.5	<0.2
120524	Soil	19	14	0.08	88	0.012	<1	0.71	0.004	0.09	0.2	0.01	0.6	0.2	<0.05	4	<0.5	<0.2
120525	Soil	23	16	0.17	79	0.006	<1	1.54	0.005	0.09	0.2	0.01	1.1	0.2	<0.05	4	<0.5	<0.2
120526	Soil	14	20	0.34	94	0.020	1	1.63	0.007	0.09	0.2	0.01	1.9	0.2	<0.05	5	<0.5	<0.2
120527	Soil	10	14	0.16	78	0.007	<1	1.44	0.005	0.07	0.2	<0.01	1.2	0.2	<0.05	4	<0.5	<0.2
120528	Soil	11	23	0.34	115	0.022	<1	1.59	0.005	0.07	0.1	<0.01	1.7	0.1	<0.05	4	<0.5	<0.2
120529	Soil	13	21	0.38	141	0.027	1	1.29	0.008	0.09	0.2	0.02	1.6	0.1	<0.05	4	<0.5	<0.2
120530	Soil	25	18	0.17	149	0.005	<1	1.52	0.007	0.11	0.2	0.02	1.6	0.2	<0.05	5	<0.5	<0.2
120531	Soil	13	23	0.36	151	0.029	<1	1.42	0.007	0.08	0.2	0.01	1.7	0.1	<0.05	4	<0.5	<0.2



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Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000545.1

Method	Analyte	Unit	MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
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	0.001
102220	Soil			0.5	7.1	12.5	70	<0.1	9.3	5.9	492	3.06	3.1	10.8	1.5	44.2	5	<0.1	0.1	0.4	16	0.21	0.132
REP 102220	QC			0.5	7.2	12.9	73	<0.1	9.0	5.9	517	3.26	3.1	11.1	0.8	45.9	5	<0.1	0.1	0.5	18	0.20	0.135
103423	Soil			1.3	12.1	14.1	47	<0.1	10.7	4.9	127	2.34	3.1	3.2	<0.5	27.0	8	<0.1	0.4	0.2	26	0.10	0.024
REP 103423	QC			1.3	12.0	14.0	46	<0.1	10.8	4.9	128	2.37	3.1	3.1	<0.5	27.0	8	<0.1	0.4	0.2	26	0.10	0.022
103428	Soil			1.3	13.3	11.8	49	<0.1	13.7	5.5	189	2.41	8.0	2.5	1.8	13.6	11	<0.1	0.5	0.2	38	0.14	0.040
REP 103428	QC			1.3	13.7	11.4	48	<0.1	13.7	5.4	188	2.39	7.9	2.4	2.2	13.8	10	<0.1	0.5	0.2	39	0.14	0.041
103455	Soil			0.8	14.0	9.5	48	<0.1	13.8	5.7	185	2.21	6.1	3.0	1.8	10.2	17	0.1	0.3	0.3	39	0.29	0.081
REP 103455	QC			0.8	13.7	8.9	48	<0.1	13.7	6.0	183	2.22	6.4	3.0	4.0	10.4	17	<0.1	0.4	0.3	37	0.29	0.075
107435	Soil			1.2	18.2	12.0	54	<0.1	16.0	7.2	213	2.71	12.6	1.8	0.7	5.8	9	<0.1	0.7	0.2	50	0.09	0.030
REP 107435	QC			1.2	18.2	11.8	54	<0.1	15.6	6.9	210	2.71	12.0	1.8	0.6	5.8	10	<0.1	0.7	0.2	51	0.10	0.029
107465	Soil			0.4	8.2	13.5	50	<0.1	7.0	4.3	129	2.55	2.1	2.5	<0.5	27.0	5	<0.1	0.1	0.3	11	0.12	0.066
REP 107465	QC			0.4	8.3	13.4	51	<0.1	7.1	4.2	133	2.56	2.5	2.5	<0.5	27.1	5	<0.1	0.2	0.3	11	0.13	0.067
108506	Soil			1.1	16.8	11.1	58	<0.1	19.9	7.6	233	3.10	13.6	1.2	2.2	21.3	10	<0.1	0.6	0.2	51	0.10	0.034
REP 108506	QC			1.3	17.4	11.9	60	<0.1	20.0	7.8	235	3.18	14.3	1.3	1.1	22.7	11	<0.1	0.5	0.2	53	0.10	0.034
108515	Soil			1.0	14.0	9.1	47	<0.1	17.8	9.3	206	2.48	9.4	1.2	1.9	13.5	10	<0.1	0.5	0.2	50	0.13	0.042
REP 108515	QC			0.9	14.9	9.4	47	<0.1	19.0	9.5	215	2.47	9.0	1.3	8.3	13.8	10	<0.1	0.5	0.2	50	0.13	0.040
108539	Soil			0.8	18.0	10.8	57	<0.1	18.1	9.6	278	3.18	8.0	1.3	2.0	16.7	8	<0.1	0.4	0.2	48	0.09	0.033
REP 108539	QC			0.8	18.9	10.9	59	<0.1	18.2	9.6	290	3.20	8.3	1.3	2.5	16.7	8	<0.1	0.4	0.2	48	0.11	0.033
118500	Soil			0.8	7.2	15.7	71	<0.1	9.4	7.7	398	3.48	6.9	6.8	1.0	33.2	5	<0.1	0.3	0.2	28	0.10	0.058
REP 118500	QC			0.6	6.8	15.6	68	<0.1	9.0	7.7	387	3.46	7.2	6.7	1.0	32.7	5	<0.1	0.2	0.2	27	0.10	0.057
118518	Soil			1.0	17.9	13.9	56	<0.1	17.4	7.0	210	2.87	13.3	4.7	3.4	18.3	14	<0.1	0.5	0.9	46	0.13	0.028
REP 118518	QC			1.0	17.1	14.0	57	<0.1	17.5	7.1	221	2.91	13.1	4.4	2.6	19.0	14	<0.1	0.5	0.9	49	0.14	0.026
118526	Soil			1.3	22.1	13.0	72	<0.1	25.1	9.6	280	3.29	13.5	2.5	2.3	18.4	9	0.1	0.6	0.3	53	0.11	0.045
REP 118526	QC			1.0	21.8	12.0	71	<0.1	25.2	9.4	284	3.25	12.5	2.6	<0.5	18.9	9	<0.1	0.6	0.2	51	0.09	0.045
118550	Soil			1.0	31.3	12.4	56	<0.1	23.9	10.4	323	3.04	10.3	1.7	2.6	32.6	11	<0.1	0.8	0.3	48	0.10	0.026
REP 118550	QC			1.0	31.5	13.4	55	<0.1	23.9	10.7	327	3.10	10.1	1.7	3.4	32.5	11	<0.1	0.7	0.4	50	0.11	0.027
118570	Soil			1.1	18.2	14.9	67	<0.1	19.5	8.1	336	2.83	11.9	1.0	2.3	8.1	7	<0.1	0.7	0.2	46	0.06	0.026
REP 118570	QC			1.1	17.8	15.3	68	<0.1	18.6	8.1	327	2.85	11.6	1.0	6.7	8.2	6	<0.1	0.6	0.2	47	0.06	0.026



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Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000545.1

Method	Analyte	Unit	MDL	1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
Pulp Duplicates																				
102220	Soil			79	15	0.22	83	0.006	<1	1.80	0.007	0.14	0.8	<0.01	2.2	0.1	<0.05	8	1.1	<0.2
REP 102220	QC			81	13	0.23	83	0.005	<1	1.85	0.008	0.14	0.8	<0.01	2.4	0.1	<0.05	9	0.9	<0.2
103423	Soil			39	19	0.22	122	0.026	<1	1.45	0.005	0.09	0.3	0.01	2.8	0.2	<0.05	5	0.8	<0.2
REP 103423	QC			38	18	0.22	121	0.026	<1	1.44	0.005	0.09	0.2	<0.01	2.7	0.2	<0.05	5	0.7	<0.2
103428	Soil			37	21	0.28	140	0.041	<1	1.33	0.005	0.09	0.2	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
REP 103428	QC			37	21	0.28	138	0.037	<1	1.32	0.005	0.09	0.3	0.02	2.7	0.2	<0.05	4	<0.5	<0.2
103455	Soil			24	20	0.31	211	0.056	<1	1.57	0.007	0.12	1.0	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
REP 103455	QC			24	20	0.29	200	0.055	<1	1.48	0.006	0.12	1.1	0.03	3.5	0.2	<0.05	5	0.5	<0.2
107435	Soil			18	29	0.43	153	0.037	2	2.00	0.006	0.05	0.2	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
REP 107435	QC			19	30	0.43	151	0.043	2	1.99	0.008	0.06	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
107465	Soil			23	8	0.22	58	0.001	<1	1.65	0.003	0.08	<0.1	<0.01	1.6	0.1	<0.05	3	<0.5	<0.2
REP 107465	QC			23	8	0.23	60	0.001	<1	1.66	0.003	0.08	<0.1	0.01	1.7	0.1	<0.05	3	<0.5	<0.2
108506	Soil			18	31	0.46	125	0.080	<1	2.11	0.005	0.20	0.2	0.01	3.4	0.2	<0.05	7	0.5	<0.2
REP 108506	QC			18	32	0.49	128	0.077	<1	2.18	0.005	0.20	0.2	0.02	3.4	0.3	<0.05	7	<0.5	<0.2
108515	Soil			15	29	0.43	172	0.065	<1	2.05	0.006	0.08	0.2	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
REP 108515	QC			15	29	0.43	169	0.063	<1	2.09	0.006	0.08	0.2	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
108539	Soil			12	28	0.47	204	0.108	1	2.16	0.007	0.33	0.2	0.02	3.2	0.4	<0.05	7	<0.5	<0.2
REP 108539	QC			13	28	0.48	210	0.112	<1	2.18	0.007	0.34	0.2	0.02	3.3	0.5	<0.05	8	<0.5	<0.2
118500	Soil			65	16	0.28	121	0.082	1	1.75	0.005	0.45	0.5	0.02	4.2	0.7	<0.05	7	0.5	<0.2
REP 118500	QC			65	16	0.27	118	0.081	<1	1.70	0.005	0.44	0.6	0.01	4.1	0.7	<0.05	6	<0.5	<0.2
118518	Soil			78	29	0.43	203	0.022	<1	2.25	0.006	0.09	0.2	0.05	5.2	0.2	<0.05	6	1.2	<0.2
REP 118518	QC			76	31	0.41	201	0.026	<1	2.21	0.007	0.10	0.2	0.05	5.4	0.2	<0.05	6	<0.5	<0.2
118526	Soil			22	32	0.53	153	0.112	<1	2.66	0.007	0.28	0.5	0.03	4.1	0.5	<0.05	8	<0.5	<0.2
REP 118526	QC			21	30	0.48	138	0.109	1	2.40	0.006	0.27	0.4	0.01	3.9	0.5	<0.05	8	<0.5	<0.2
118550	Soil			32	32	0.48	222	0.069	<1	2.34	0.009	0.10	0.2	0.03	3.5	0.2	<0.05	6	0.8	<0.2
REP 118550	QC			32	32	0.48	218	0.072	<1	2.45	0.008	0.10	0.2	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
118570	Soil			12	26	0.42	111	0.025	1	2.02	0.006	0.06	0.1	0.01	2.5	0.1	<0.05	5	<0.5	<0.2
REP 118570	QC			13	27	0.42	113	0.025	2	1.95	0.004	0.06	0.2	0.02	2.3	0.1	<0.05	5	<0.5	<0.2

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.



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 Val D'Or QC J9P 1S5 Canada

Project: Burnham
 Report Date: August 07, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000545.1

		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	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
118576	Soil	1.2	14.2	11.4	77	<0.1	16.8	10.0	523	3.20	9.3	1.6	4.4	15.0	7	<0.1	0.4	0.2	47	0.10	0.073
REP 118576	QC	1.2	13.4	11.5	76	<0.1	17.2	10.0	522	3.14	8.9	1.6	2.9	15.1	7	<0.1	0.4	0.2	46	0.10	0.067
120487	Soil	1.6	6.6	10.4	44	<0.1	11.1	5.0	207	3.44	12.4	1.0	1.9	3.1	6	<0.1	0.5	0.2	53	0.05	0.052
REP 120487	QC	1.4	6.4	10.5	44	<0.1	10.7	5.0	209	3.41	12.4	0.9	4.8	3.2	6	<0.1	0.5	0.2	55	0.05	0.051
120514	Soil	0.9	22.6	15.4	61	<0.1	19.4	7.8	243	2.80	10.2	2.2	3.3	18.6	11	0.2	0.6	0.2	38	0.09	0.026
REP 120514	QC	1.1	22.8	15.8	61	<0.1	21.1	7.7	244	2.82	10.4	2.3	4.9	19.0	10	0.2	0.5	0.3	38	0.08	0.025
Reference Materials																					
STD DS8	Standard	11.5	100.5	116.2	280	1.6	35.0	6.9	535	2.22	23.8	2.3	95.4	5.5	54	2.0	4.8	5.5	36	0.61	0.072
STD DS8	Standard	12.6	105.7	120.4	300	1.7	37.1	7.1	605	2.41	24.1	2.7	158.3	6.6	62	2.2	5.4	5.9	41	0.68	0.076
STD DS8	Standard	11.9	105.9	124.9	299	1.8	36.4	7.3	598	2.38	27.4	2.4	108.1	6.0	60	2.3	5.2	6.1	41	0.64	0.080
STD DS8	Standard	12.9	109.5	123.7	313	1.7	35.8	7.2	562	2.35	26.6	2.7	105.5	6.9	62	2.3	5.5	6.6	41	0.66	0.081
STD DS8	Standard	13.4	111.0	123.9	314	1.9	37.7	7.4	623	2.44	27.1	2.7	109.6	6.8	66	2.6	5.6	6.4	43	0.69	0.082
STD DS8	Standard	13.4	107.5	127.4	314	1.9	38.1	7.6	604	2.43	25.4	3.0	102.7	6.9	71	2.3	5.6	6.5	42	0.67	0.078
STD DS8	Standard	13.5	106.8	121.3	298	1.8	36.4	7.6	646	2.48	28.5	3.0	109.9	7.6	67	2.3	5.3	6.3	43	0.72	0.078
STD DS8	Standard	13.0	109.2	122.7	308	1.7	37.7	7.5	606	2.35	26.2	2.7	109.2	6.8	65	2.2	5.4	6.3	40	0.70	0.078
STD DS8	Standard	12.2	98.8	113.6	278	1.5	33.5	6.9	565	2.19	22.9	2.5	92.6	6.4	59	2.0	4.8	5.5	40	0.63	0.067
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Burnham
 Report Date: August 07, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000545.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
118576	Soil	34	27	0.39	156	0.063	1	1.91	0.005	0.21	0.2	0.02	2.7	0.4	<0.05	6	<0.5	<0.2
REP 118576	QC	35	26	0.39	160	0.061	1	1.88	0.005	0.20	0.2	0.02	2.6	0.4	<0.05	6	<0.5	<0.2
120487	Soil	10	21	0.26	67	0.026	<1	1.29	0.004	0.05	0.2	0.01	1.4	0.1	<0.05	6	<0.5	<0.2
REP 120487	QC	10	22	0.26	66	0.025	<1	1.26	0.004	0.04	0.2	0.01	1.4	0.1	<0.05	6	<0.5	<0.2
120514	Soil	33	25	0.47	149	0.025	<1	1.81	0.007	0.08	0.1	0.03	2.8	0.2	<0.05	5	<0.5	<0.2
REP 120514	QC	33	24	0.46	150	0.025	<1	1.87	0.009	0.08	0.1	0.03	3.0	0.2	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	11	102	0.53	247	0.096	2	0.79	0.074	0.36	2.7	0.19	1.7	4.8	0.13	4	4.3	4.6
STD DS8	Standard	15	115	0.60	271	0.108	2	0.90	0.084	0.41	3.0	0.21	2.4	5.4	0.17	5	5.5	5.0
STD DS8	Standard	13	110	0.58	250	0.104	3	0.84	0.080	0.40	3.0	0.19	1.9	5.0	0.16	4	5.2	5.0
STD DS8	Standard	14	114	0.60	268	0.114	3	0.85	0.081	0.38	3.0	0.20	1.9	5.1	0.20	5	5.4	5.4
STD DS8	Standard	15	115	0.62	293	0.115	4	0.91	0.090	0.42	3.0	0.21	2.1	5.5	0.16	4	5.9	5.0
STD DS8	Standard	15	114	0.62	273	0.118	2	0.91	0.087	0.42	3.2	0.21	2.1	5.4	0.18	5	4.6	4.6
STD DS8	Standard	16	120	0.61	278	0.119	2	0.94	0.092	0.42	2.9	0.21	2.5	5.2	0.15	5	5.8	4.9
STD DS8	Standard	16	112	0.58	282	0.118	3	0.88	0.086	0.41	2.9	0.20	2.3	5.0	0.18	5	5.2	4.9
STD DS8	Standard	14	105	0.55	253	0.109	2	0.81	0.076	0.36	2.6	0.17	2.1	4.7	0.12	4	5.4	4.1
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 13, 2011
Report Date: August 03, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000564.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 2011702105809-094117
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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: Burnham
 Report Date: August 03, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
119433	Soil	1.1	13.2	13.0	78	<0.1	19.2	9.0	333	3.06	12.5	0.5	0.6	3.5	9	0.1	0.7	0.3	55	0.07	0.043
119434	Soil	1.1	12.3	11.3	64	<0.1	19.8	13.4	572	2.83	8.7	0.6	3.1	3.7	9	<0.1	0.6	0.2	56	0.07	0.034
119435	Soil	1.1	14.3	11.2	62	<0.1	20.1	10.8	297	3.17	11.8	0.5	1.6	3.6	8	0.1	0.6	0.3	54	0.06	0.037
119436	Soil	1.0	20.7	10.3	56	<0.1	25.4	11.1	255	2.71	11.6	0.8	3.7	5.3	10	0.2	0.7	0.3	49	0.07	0.023
119437	Soil	1.1	18.0	9.0	52	<0.1	23.6	10.3	241	2.93	9.1	0.8	0.5	4.7	8	<0.1	0.6	0.2	56	0.07	0.029
119438	Soil	0.9	21.7	10.0	57	<0.1	29.1	11.7	270	3.32	9.5	1.1	1.0	5.7	8	0.1	0.5	0.4	58	0.07	0.027
119439	Soil	0.8	18.8	8.2	53	<0.1	25.5	10.8	250	3.18	7.2	0.9	3.2	5.1	8	0.1	0.4	0.3	53	0.08	0.032
119440	Soil	0.9	24.8	8.5	57	<0.1	27.0	11.9	293	2.85	9.4	1.1	4.0	6.1	8	<0.1	0.6	0.2	48	0.07	0.025
119441	Soil	1.3	17.9	11.0	62	<0.1	24.8	11.1	286	3.07	11.6	0.9	0.8	5.3	9	0.1	0.5	0.3	59	0.07	0.032
119442	Soil	0.9	17.7	9.5	59	<0.1	24.3	10.3	242	3.24	8.9	0.9	1.9	4.7	11	0.1	0.5	0.3	58	0.08	0.033
119443	Soil	0.8	25.3	9.4	62	<0.1	36.3	10.0	244	3.24	10.3	1.0	1.9	5.8	9	<0.1	0.6	0.4	57	0.07	0.022
119444	Soil	0.9	20.7	11.4	56	<0.1	27.5	10.4	223	3.06	7.0	1.7	2.2	7.7	10	<0.1	0.4	0.8	50	0.08	0.020
119445	Soil	0.8	19.1	10.1	69	<0.1	26.4	12.5	280	3.44	8.0	1.4	1.3	6.8	9	<0.1	0.4	0.5	59	0.06	0.025
119446	Soil	0.8	25.9	9.4	54	<0.1	24.7	9.2	299	2.69	8.4	1.3	0.8	4.8	18	<0.1	0.7	0.7	48	0.18	0.033
119447	Soil	0.9	24.8	9.5	54	<0.1	24.6	10.0	261	2.77	6.5	1.9	1.7	4.0	15	<0.1	0.4	0.6	50	0.15	0.046
119448	Soil	0.8	19.8	10.5	54	<0.1	20.3	8.3	203	2.90	9.5	1.7	0.8	5.0	13	<0.1	0.5	0.3	54	0.12	0.026
119449	Soil	1.1	16.7	12.2	55	<0.1	20.5	8.8	217	3.30	8.6	0.9	0.7	5.6	10	0.1	0.3	0.3	49	0.07	0.031
119450	Soil	1.3	22.7	11.7	72	<0.1	24.4	11.1	445	2.90	10.4	2.8	6.4	8.9	13	0.2	0.7	0.6	46	0.16	0.066
119451	Soil	1.4	14.7	10.3	59	<0.1	16.3	6.8	284	2.77	10.2	2.3	6.3	6.1	9	0.2	0.5	0.4	55	0.10	0.052
119414	Soil	0.9	19.5	9.4	64	<0.1	28.3	10.2	276	2.71	7.2	1.1	2.0	5.1	37	<0.1	0.4	0.4	46	0.21	0.047
119415	Soil	0.5	17.4	7.5	70	0.1	25.5	12.0	404	2.63	3.7	1.6	5.9	4.9	75	0.2	0.3	0.4	41	0.92	0.056
119416	Soil	0.6	11.2	7.0	62	<0.1	20.8	10.7	244	2.60	3.8	0.7	0.6	3.2	26	<0.1	0.2	0.3	47	0.30	0.044
119417	Soil	0.8	13.5	8.2	67	<0.1	24.1	9.7	186	2.71	4.6	0.9	<0.5	2.7	28	<0.1	0.3	0.3	51	0.30	0.050
119418	Soil	0.9	24.2	7.7	61	<0.1	25.0	11.0	368	2.19	8.0	1.0	1.3	4.0	28	0.2	0.6	0.2	40	0.39	0.076
119419	Soil	0.5	10.2	6.9	49	<0.1	18.1	7.9	194	2.01	3.7	0.9	13.3	4.4	27	0.1	0.2	0.3	37	0.28	0.054
119420	Soil	1.0	76.6	6.4	105	<0.1	16.8	11.0	747	7.55	0.7	0.9	<0.5	2.3	24	<0.1	<0.1	0.4	81	0.11	0.071
119421	Soil	2.8	7.4	13.6	87	<0.1	62.4	10.2	543	2.38	2.1	10.2	<0.5	20.0	6	<0.1	0.2	4.3	21	0.02	0.024
119422	Soil	1.4	18.3	12.5	54	<0.1	14.2	6.3	224	3.57	6.4	0.8	0.7	3.5	12	<0.1	0.6	0.4	63	0.06	0.033
119423	Soil	1.0	11.9	12.3	44	<0.1	14.1	6.6	236	2.69	10.1	0.7	1.8	2.5	10	0.1	0.5	0.3	53	0.08	0.031
119424	Soil	1.3	44.7	12.1	70	<0.1	36.9	11.1	212	4.03	2.1	4.7	<0.5	13.6	28	<0.1	0.1	0.5	40	0.07	0.049

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Project: Burnham
 Report Date: August 03, 2011

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
119433	Soil	10	29	0.45	160	0.039	<1	1.88	0.006	0.05	0.2	0.04	2.2	0.1	<0.05	6	<0.5	<0.2
119434	Soil	9	33	0.45	177	0.057	<1	1.87	0.006	0.07	0.2	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
119435	Soil	10	33	0.42	147	0.041	1	1.92	0.005	0.05	0.1	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
119436	Soil	10	33	0.49	161	0.064	2	1.85	0.006	0.09	0.2	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
119437	Soil	11	36	0.51	165	0.071	1	2.03	0.005	0.09	0.2	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
119438	Soil	10	45	0.60	158	0.100	2	2.25	0.007	0.25	0.2	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
119439	Soil	10	39	0.61	151	0.110	<1	2.01	0.006	0.29	0.1	0.02	3.0	0.2	<0.05	7	0.7	<0.2
119440	Soil	12	36	0.55	137	0.086	<1	1.92	0.006	0.17	0.2	0.05	3.2	0.2	<0.05	5	<0.5	<0.2
119441	Soil	11	38	0.52	188	0.071	1	2.14	0.006	0.11	0.2	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
119442	Soil	12	37	0.54	152	0.081	<1	2.08	0.005	0.18	0.2	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
119443	Soil	12	48	0.66	136	0.089	<1	1.96	0.006	0.18	0.2	0.03	3.0	0.2	<0.05	6	<0.5	<0.2
119444	Soil	16	38	0.51	173	0.075	1	2.02	0.006	0.16	0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
119445	Soil	12	46	0.64	163	0.109	<1	2.32	0.006	0.22	0.1	0.03	3.4	0.2	<0.05	7	<0.5	<0.2
119446	Soil	14	31	0.50	255	0.072	<1	1.51	0.008	0.07	0.2	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
119447	Soil	15	35	0.55	195	0.080	<1	1.80	0.008	0.10	0.1	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
119448	Soil	14	32	0.48	170	0.061	<1	1.81	0.007	0.07	0.1	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
119449	Soil	13	33	0.41	108	0.065	<1	1.86	0.005	0.22	0.1	0.02	2.5	0.2	<0.05	6	0.7	<0.2
119450	Soil	14	28	0.42	182	0.056	<1	1.69	0.008	0.12	0.2	0.03	2.7	0.2	<0.05	5	0.8	<0.2
119451	Soil	15	27	0.39	127	0.053	2	1.67	0.006	0.07	0.2	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
119414	Soil	16	35	0.53	196	0.078	1	2.27	0.014	0.12	0.3	0.03	2.7	0.2	<0.05	8	<0.5	<0.2
119415	Soil	19	38	0.60	224	0.118	1	1.83	0.021	0.29	1.1	0.04	3.6	0.2	<0.05	6	<0.5	<0.2
119416	Soil	11	35	0.56	214	0.122	<1	1.70	0.009	0.18	0.3	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
119417	Soil	11	40	0.64	218	0.129	<1	1.94	0.010	0.18	0.3	0.05	3.5	0.2	<0.05	7	<0.5	<0.2
119418	Soil	12	27	0.45	202	0.072	<1	1.13	0.014	0.11	0.3	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
119419	Soil	16	28	0.41	152	0.086	<1	1.38	0.012	0.11	1.3	0.04	2.4	0.1	<0.05	5	<0.5	<0.2
119420	Soil	7	100	1.82	529	0.438	<1	3.87	0.069	2.37	<0.1	0.09	9.1	0.9	0.65	14	1.1	<0.2
119421	Soil	27	18	0.34	65	0.038	<1	1.55	0.005	0.19	<0.1	0.02	1.8	0.3	<0.05	6	<0.5	<0.2
119422	Soil	11	33	0.40	114	0.180	<1	1.64	0.008	0.39	0.1	0.04	2.3	0.3	<0.05	8	0.5	<0.2
119423	Soil	12	26	0.35	128	0.050	2	1.55	0.005	0.06	0.1	0.04	1.8	0.1	<0.05	5	0.7	<0.2
119424	Soil	33	42	0.57	114	0.118	<1	2.46	0.008	0.40	<0.1	0.05	2.6	0.4	<0.05	8	<0.5	<0.2

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Project: Burnham
 Report Date: August 03, 2011

Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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	2	0.01	0.001	
119425	Soil	1.1	13.7	9.9	46	<0.1	18.3	7.6	197	2.51	8.9	0.6	0.7	3.2	11	<0.1	0.6	0.2	49	0.09	0.025
119426	Soil	0.7	16.6	9.9	53	<0.1	23.6	9.4	240	2.92	12.0	0.9	1.0	5.4	10	<0.1	0.7	0.2	50	0.09	0.028
119427	Soil	1.6	13.0	12.5	58	<0.1	18.0	7.1	334	3.55	11.4	<0.1	4.9	3.4	9	0.1	0.6	0.9	59	0.08	0.048
119428	Soil	0.8	17.8	7.6	40	<0.1	20.1	7.0	271	3.16	4.3	0.2	1.3	9.6	7	<0.1	0.3	0.2	59	0.05	0.040
119429	Soil	0.9	20.7	9.0	60	<0.1	28.6	10.5	288	2.96	9.2	0.5	3.7	5.1	9	0.1	0.5	0.2	50	0.09	0.030
119430	Soil	0.5	12.4	4.2	52	<0.1	57.3	7.9	106	4.66	4.8	1.3	<0.5	5.6	4	<0.1	0.2	0.2	98	0.03	0.058
119431	Soil	0.9	15.2	9.6	56	<0.1	27.4	10.1	234	2.84	10.7	0.7	1.6	4.2	9	<0.1	0.6	0.2	54	0.07	0.028
119432	Soil	0.7	10.8	5.4	44	<0.1	52.4	13.6	273	3.65	4.8	1.4	<0.5	5.6	7	<0.1	0.2	0.1	68	0.06	0.042
121324	Soil	1.4	14.9	9.6	61	<0.1	17.8	6.9	245	3.09	9.4	1.5	2.2	14.6	10	0.2	0.5	0.5	57	0.12	0.041
121325	Soil	1.5	16.6	13.1	61	<0.1	18.3	7.2	252	3.08	9.7	1.6	3.4	4.8	13	0.2	0.5	0.3	59	0.16	0.048
121326	Soil	1.6	20.1	12.6	63	<0.1	18.8	8.3	299	3.02	8.5	2.0	2.2	9.6	11	0.1	0.4	0.5	57	0.15	0.063
121327	Soil	1.1	14.2	11.8	49	<0.1	15.9	7.7	276	2.85	8.5	1.6	1.5	7.6	11	0.1	0.4	1.2	56	0.15	0.055
121328	Soil	1.2	20.4	12.4	66	<0.1	22.7	9.8	302	3.17	9.6	2.8	2.2	14.9	15	0.2	0.5	1.5	55	0.20	0.070
121329	Soil	1.0	15.5	11.9	53	<0.1	17.8	7.0	242	2.48	8.9	1.7	2.5	4.3	14	0.1	0.4	0.4	46	0.19	0.065
121330	Soil	1.7	11.3	13.8	51	<0.1	13.5	7.4	335	3.29	8.7	2.2	0.9	12.5	7	0.1	0.6	0.5	51	0.07	0.037
121331	Soil	2.0	49.6	15.9	62	<0.1	15.5	9.3	473	3.78	7.3	5.4	1.0	26.4	9	0.1	0.5	6.0	37	0.20	0.108
119403	Soil	0.9	17.8	10.7	60	<0.1	27.7	13.8	295	2.94	13.1	0.7	1.7	7.5	13	0.2	0.7	0.2	53	0.13	0.020
119404	Soil	0.8	24.0	10.5	61	<0.1	25.9	9.7	182	2.64	14.5	1.2	2.0	5.7	18	<0.1	0.5	0.2	55	0.24	0.058
119405	Soil	1.3	18.0	11.4	49	<0.1	19.1	8.5	224	2.97	7.9	0.7	2.4	4.4	10	0.1	0.5	0.3	66	0.09	0.031
119406	Soil	1.2	9.5	11.7	32	<0.1	11.1	4.4	105	2.63	7.6	0.6	2.1	3.5	9	<0.1	0.5	0.2	71	0.08	0.025
119407	Soil	0.9	32.9	10.2	60	<0.1	35.3	17.1	289	3.23	9.2	1.0	1.9	7.8	13	0.2	0.5	0.2	51	0.10	0.028
119408	Soil	1.1	17.7	10.8	61	<0.1	23.6	11.1	236	3.25	9.8	0.7	2.0	5.2	10	0.1	0.5	0.2	59	0.09	0.031
119409	Soil	0.9	22.0	11.2	61	<0.1	26.9	9.8	219	2.96	6.4	1.3	3.0	4.0	16	<0.1	0.3	0.3	56	0.18	0.040
119410	Soil	0.8	26.6	11.2	78	<0.1	35.7	14.1	300	3.71	3.5	1.3	0.7	6.7	20	<0.1	0.2	0.3	55	0.25	0.062
119411	Soil	0.8	22.1	10.2	49	0.1	20.7	7.5	185	2.37	6.1	1.4	1.3	2.4	19	<0.1	0.4	0.3	50	0.18	0.035
119412	Soil	0.9	41.8	9.4	69	0.3	39.1	12.2	328	3.11	4.7	2.8	4.1	5.0	90	0.1	0.2	0.6	57	0.46	0.060
119413	Soil	0.7	18.8	7.5	44	<0.1	21.8	5.5	109	1.75	3.6	1.4	1.3	2.2	24	<0.1	0.2	0.3	37	0.15	0.028
121270	Soil	0.9	21.7	10.6	66	<0.1	25.9	10.8	200	3.09	7.7	1.0	2.2	5.1	7	<0.1	0.5	0.2	43	0.07	0.029
121271	Soil	0.9	26.6	8.6	65	<0.1	25.4	10.4	201	2.67	7.9	1.0	2.8	3.2	10	0.1	0.5	0.2	43	0.12	0.049
121272	Soil	0.6	47.7	17.5	104	0.2	67.9	24.5	728	4.96	5.8	1.7	7.1	9.3	197	0.2	0.3	0.4	76	3.26	0.070

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Page: 3 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
119425	Soil	11	26	0.38	122	0.054	<1	1.53	0.006	0.09	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
119426	Soil	12	32	0.53	152	0.075	<1	1.80	0.006	0.10	0.2	0.04	2.9	0.2	<0.05	5	0.5	<0.2
119427	Soil	12	30	0.42	100	0.086	2	1.50	0.005	0.15	0.2	0.04	1.9	0.2	<0.05	6	<0.5	<0.2
119428	Soil	17	44	0.46	93	0.118	<1	1.58	0.005	0.20	0.1	0.02	3.0	0.2	<0.05	10	<0.5	<0.2
119429	Soil	12	35	0.55	120	0.087	1	1.87	0.005	0.14	<0.1	0.04	2.5	0.1	<0.05	6	<0.5	<0.2
119430	Soil	14	86	1.02	135	0.134	<1	2.65	0.007	0.34	0.1	0.02	6.3	0.2	<0.05	14	<0.5	<0.2
119431	Soil	11	36	0.57	145	0.060	1	2.11	0.005	0.05	0.2	0.02	2.6	0.2	<0.05	6	0.5	<0.2
119432	Soil	15	72	1.24	230	0.144	<1	2.77	0.010	0.52	0.1	0.01	5.6	0.3	<0.05	12	<0.5	<0.2
121324	Soil	24	26	0.43	115	0.072	<1	1.87	0.007	0.14	4.7	0.02	2.6	0.2	<0.05	8	<0.5	<0.2
121325	Soil	23	32	0.42	142	0.054	<1	1.90	0.007	0.10	0.5	0.03	2.2	0.2	<0.05	7	<0.5	<0.2
121326	Soil	25	31	0.43	140	0.063	<1	1.96	0.008	0.13	1.2	0.03	2.7	0.2	<0.05	8	<0.5	<0.2
121327	Soil	23	28	0.38	118	0.068	<1	1.81	0.007	0.11	1.7	0.02	2.5	0.2	<0.05	7	0.5	<0.2
121328	Soil	35	33	0.52	187	0.076	1	2.47	0.008	0.15	2.9	0.02	3.1	0.3	<0.05	8	0.8	<0.2
121329	Soil	26	26	0.43	129	0.050	<1	1.86	0.007	0.11	1.2	0.03	2.2	0.2	<0.05	6	<0.5	<0.2
121330	Soil	34	26	0.28	106	0.054	<1	1.79	0.005	0.13	4.6	0.02	2.1	0.3	<0.05	7	<0.5	<0.2
121331	Soil	70	23	0.31	95	0.031	<1	1.97	0.006	0.16	40.0	0.01	2.3	0.3	<0.05	7	0.9	0.3
119403	Soil	17	37	0.52	140	0.074	1	2.01	0.010	0.09	0.1	0.03	3.0	0.1	<0.05	5	0.6	<0.2
119404	Soil	23	34	0.51	191	0.076	<1	1.61	0.009	0.12	0.2	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
119405	Soil	15	33	0.40	142	0.098	<1	1.60	0.008	0.12	0.1	0.02	2.4	0.2	<0.05	7	0.6	<0.2
119406	Soil	12	30	0.27	124	0.055	<1	1.84	0.006	0.05	0.1	0.02	2.4	0.2	<0.05	7	<0.5	<0.2
119407	Soil	17	45	0.65	202	0.108	1	2.54	0.010	0.33	0.2	0.06	3.5	0.2	<0.05	6	0.9	<0.2
119408	Soil	15	37	0.51	122	0.093	<1	2.00	0.007	0.18	0.2	0.03	2.7	0.2	<0.05	6	0.6	<0.2
119409	Soil	21	41	0.53	172	0.094	<1	2.03	0.009	0.26	0.3	0.04	3.0	0.3	<0.05	8	<0.5	<0.2
119410	Soil	20	52	0.77	194	0.167	<1	2.32	0.012	0.58	0.1	0.02	3.9	0.3	<0.05	9	<0.5	<0.2
119411	Soil	20	34	0.44	265	0.074	<1	1.61	0.008	0.23	0.1	0.03	2.7	0.3	<0.05	7	0.5	<0.2
119412	Soil	29	52	0.67	194	0.095	<1	3.57	0.034	0.37	0.4	0.05	4.9	0.4	<0.05	12	0.8	<0.2
119413	Soil	16	32	0.38	141	0.058	<1	1.84	0.011	0.12	0.2	0.04	2.4	0.1	<0.05	8	<0.5	<0.2
121270	Soil	15	32	0.63	124	0.085	2	2.03	0.006	0.28	0.1	0.04	2.5	0.2	<0.05	6	<0.5	<0.2
121271	Soil	14	29	0.58	113	0.074	3	1.73	0.006	0.19	0.2	0.04	2.7	0.2	<0.05	5	<0.5	<0.2
121272	Soil	38	77	1.08	255	0.206	2	4.81	0.121	0.52	0.2	0.05	6.7	0.7	<0.05	15	<0.5	<0.2



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 Report Date: August 03, 2011

Page: 4 of 12 Part 1

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WHI11000564.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
121273	Soil			1.1	19.5	9.0	53	<0.1	22.9	8.7	166	3.00	8.3	0.7	13.1	2.7	9	<0.1	0.5	0.2	50	0.09	0.033
121274	Soil			0.9	22.4	8.9	60	<0.1	18.5	7.0	250	3.20	5.2	1.5	2.6	2.5	14	<0.1	0.3	0.4	43	0.10	0.046
121275	Soil			1.0	42.7	9.5	77	0.1	28.3	13.0	418	4.20	4.2	2.5	3.2	3.2	19	0.1	0.2	0.5	51	0.09	0.052
121276	Soil			1.1	22.8	9.0	69	<0.1	24.7	11.8	307	3.62	6.8	0.7	26.7	3.5	10	<0.1	0.5	0.3	54	0.07	0.031
121277	Soil			1.0	28.0	10.1	68	0.1	32.9	13.3	289	3.36	5.9	1.5	2.1	3.0	8	<0.1	0.3	0.4	44	0.08	0.044
121278	Soil			0.8	29.7	4.8	77	<0.1	45.3	24.3	541	4.86	1.9	0.7	2.4	2.2	36	<0.1	<0.1	0.2	71	0.54	0.103
121279	Soil			0.9	16.9	8.4	62	0.2	23.0	8.7	181	2.50	4.1	1.3	1.4	3.0	14	<0.1	0.3	0.3	39	0.18	0.061
121280	Soil			0.9	23.2	8.3	70	0.1	26.3	10.7	252	2.99	4.4	1.3	3.6	4.0	17	0.1	0.3	0.3	45	0.22	0.067
121281	Soil			0.7	21.7	8.9	56	0.2	18.0	7.2	153	2.25	4.2	1.4	6.3	2.4	13	<0.1	0.2	0.3	33	0.14	0.051
121282	Soil			1.5	26.0	11.1	66	0.2	23.4	10.6	285	2.82	4.5	1.4	4.3	2.5	16	0.1	0.2	0.4	43	0.15	0.053
121283	Soil			1.7	35.1	13.6	79	0.2	38.2	19.3	535	3.32	6.9	2.1	5.9	3.4	20	0.2	0.3	0.4	45	0.19	0.081
121284	Soil			1.1	22.4	11.4	88	<0.1	34.3	16.1	324	3.63	4.6	1.0	2.9	5.1	12	0.1	0.3	0.3	45	0.15	0.051
121285	Soil			0.9	21.2	10.3	68	0.1	23.2	9.0	193	2.65	5.7	1.4	3.7	3.8	11	0.1	0.3	0.3	38	0.13	0.047
121286	Soil			0.9	16.2	13.1	68	<0.1	21.7	9.3	252	2.84	5.8	1.0	2.2	5.0	10	<0.1	0.3	0.4	40	0.13	0.044
121287	Soil			0.9	17.7	11.5	61	<0.1	21.4	10.4	325	2.91	8.0	1.0	2.8	5.4	9	<0.1	0.4	0.3	42	0.11	0.039
110310	Soil			1.1	85.0	7.4	59	<0.1	27.7	10.3	237	2.38	8.2	0.5	6.1	0.7	12	0.2	0.5	0.1	45	0.22	0.086
110311	Soil			0.8	50.7	7.6	52	<0.1	23.0	10.5	260	2.37	8.7	0.5	4.0	2.6	10	0.1	0.5	0.1	45	0.17	0.055
110312	Soil			1.1	82.2	7.9	71	<0.1	76.5	24.1	548	3.29	5.3	0.6	3.1	2.9	13	0.2	0.3	0.1	82	0.28	0.075
110313	Soil			1.1	43.6	8.0	61	0.1	25.5	8.4	244	2.37	7.1	0.7	1.8	1.0	10	<0.1	0.4	0.1	51	0.14	0.052
110314	Soil			0.8	29.4	8.7	50	<0.1	18.7	8.1	263	2.35	7.5	0.7	4.1	0.7	10	<0.1	0.3	0.2	49	0.14	0.045
110315	Soil			0.9	24.9	7.9	50	<0.1	19.5	6.9	212	2.02	6.6	0.7	4.8	1.0	15	0.2	0.3	0.2	45	0.23	0.039
110316	Soil			1.1	28.4	8.8	54	0.1	19.1	7.9	282	2.22	6.9	1.0	3.0	0.7	13	<0.1	0.3	0.2	47	0.20	0.044
110317	Soil			1.3	18.1	8.2	53	<0.1	23.0	8.2	222	3.53	6.0	0.6	1.2	2.3	6	0.1	0.4	0.3	60	0.06	0.034
110318	Soil			1.1	39.5	12.3	74	<0.1	21.1	10.2	317	4.94	3.1	0.6	<0.5	2.2	30	<0.1	0.2	0.3	46	0.03	0.036
110319	Soil			0.2	3.3	3.8	26	<0.1	16.5	6.4	432	1.54	0.7	0.9	0.6	19.8	5	<0.1	<0.1	0.1	31	0.17	0.066
110320	Soil			0.7	36.1	12.4	83	0.1	38.6	14.8	342	4.56	3.0	1.7	1.9	8.4	4	<0.1	0.2	0.3	51	0.08	0.046
110321	Soil			0.5	21.6	6.9	56	<0.1	30.6	12.3	285	3.26	3.3	1.0	2.0	6.0	6	<0.1	0.2	0.2	51	0.18	0.073
110322	Soil			0.8	26.4	12.5	72	<0.1	41.2	17.9	349	3.76	6.6	0.9	1.9	7.6	9	0.1	0.3	0.5	72	0.12	0.058
110323	Soil			1.6	21.7	12.1	53	<0.1	19.6	8.7	295	2.85	9.9	1.1	6.8	4.5	9	0.1	0.6	0.4	44	0.09	0.051
110324	Soil			0.7	58.5	16.1	66	<0.1	21.8	10.4	474	4.13	1.6	1.1	1.5	4.7	58	<0.1	0.2	0.6	40	0.05	0.057

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 Report Date: August 03, 2011

Page: 4 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
121273	Soil	11	31	0.52	91	0.103	2	1.61	0.005	0.21	0.2	0.05	2.2	0.3	<0.05	7	<0.5	<0.2
121274	Soil	12	38	0.66	152	0.093	1	1.60	0.011	0.32	0.2	0.04	2.7	0.3	0.05	6	<0.5	<0.2
121275	Soil	14	46	0.76	212	0.151	2	2.17	0.016	0.69	0.2	0.02	3.8	0.5	0.10	8	0.6	<0.2
121276	Soil	11	38	0.58	144	0.156	1	1.91	0.012	0.46	0.2	0.03	2.9	0.4	<0.05	8	0.6	<0.2
121277	Soil	17	34	0.56	121	0.096	3	1.83	0.007	0.39	0.1	0.02	2.6	0.3	<0.05	7	<0.5	<0.2
121278	Soil	15	43	1.68	203	0.161	<1	2.56	0.044	0.27	<0.1	0.01	4.8	0.2	<0.05	8	<0.5	<0.2
121279	Soil	17	31	0.57	147	0.080	3	1.48	0.007	0.20	0.2	0.04	2.9	0.3	<0.05	5	<0.5	<0.2
121280	Soil	15	32	0.70	149	0.107	<1	1.66	0.011	0.27	0.2	0.03	3.0	0.3	<0.05	6	<0.5	<0.2
121281	Soil	14	27	0.50	130	0.066	1	1.39	0.007	0.19	0.1	0.05	2.5	0.2	<0.05	5	<0.5	<0.2
121282	Soil	13	32	0.62	162	0.089	1	1.66	0.009	0.30	0.2	0.03	2.7	0.3	<0.05	6	<0.5	<0.2
121283	Soil	19	35	0.60	207	0.094	1	1.85	0.009	0.34	0.2	0.05	2.9	0.3	<0.05	7	0.6	<0.2
121284	Soil	14	39	0.81	165	0.161	<1	2.15	0.009	0.53	0.2	0.03	3.1	0.5	<0.05	8	<0.5	<0.2
121285	Soil	15	31	0.57	140	0.087	1	1.70	0.008	0.20	0.2	0.04	2.6	0.2	<0.05	6	<0.5	<0.2
121286	Soil	15	31	0.54	111	0.061	1	1.57	0.005	0.14	0.1	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
121287	Soil	16	30	0.50	116	0.045	2	1.65	0.006	0.10	0.2	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
110310	Soil	9	30	0.45	102	0.038	<1	1.30	0.009	0.04	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
110311	Soil	10	31	0.49	122	0.054	2	1.48	0.008	0.06	0.2	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
110312	Soil	11	93	1.16	297	0.163	<1	2.02	0.013	0.29	0.2	0.03	3.6	0.1	<0.05	7	<0.5	<0.2
110313	Soil	10	37	0.53	189	0.038	1	1.40	0.008	0.05	0.2	0.03	1.9	0.1	<0.05	5	0.8	<0.2
110314	Soil	12	32	0.46	154	0.035	3	1.43	0.006	0.04	0.2	0.03	1.7	0.1	<0.05	5	<0.5	<0.2
110315	Soil	12	29	0.44	213	0.042	<1	1.17	0.006	0.05	0.2	0.04	1.7	0.1	<0.05	4	<0.5	<0.2
110316	Soil	10	31	0.48	152	0.030	2	1.32	0.006	0.04	0.2	0.03	1.8	0.1	<0.05	5	<0.5	<0.2
110317	Soil	11	34	0.54	125	0.089	<1	1.88	0.007	0.31	0.1	0.03	2.5	0.2	<0.05	9	<0.5	<0.2
110318	Soil	7	48	0.74	218	0.267	<1	2.63	0.014	1.03	0.1	0.02	3.7	0.8	0.18	8	<0.5	<0.2
110319	Soil	38	42	0.66	130	0.170	1	1.50	0.005	0.45	0.2	<0.01	3.2	0.4	<0.05	6	<0.5	<0.2
110320	Soil	14	56	0.91	118	0.179	<1	2.66	0.006	0.38	<0.1	0.02	2.5	0.2	<0.05	10	<0.5	<0.2
110321	Soil	11	55	0.99	198	0.186	<1	2.53	0.009	0.76	0.2	0.02	5.4	0.3	<0.05	10	<0.5	<0.2
110322	Soil	15	53	1.08	204	0.204	<1	4.26	0.010	0.46	0.2	0.02	5.3	0.4	<0.05	11	<0.5	<0.2
110323	Soil	15	31	0.43	113	0.032	2	1.88	0.005	0.04	0.3	0.06	2.6	0.1	<0.05	5	<0.5	<0.2
110324	Soil	12	47	0.92	217	0.214	<1	2.44	0.020	1.04	<0.1	0.02	4.1	0.7	0.11	8	1.1	0.2

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Page: 5 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
110325	Soil	0.8	35.6	12.8	77	<0.1	29.5	13.9	560	5.14	1.4	1.1	1.2	3.2	76	<0.1	0.1	0.3	46	0.05	0.049
110326	Soil	0.9	31.7	9.8	54	<0.1	24.8	11.6	333	2.51	9.1	2.1	5.0	4.8	18	<0.1	0.6	0.2	44	0.16	0.038
110327	Soil	0.8	21.9	5.5	67	<0.1	83.9	25.4	345	3.92	5.2	0.4	1.7	1.9	14	<0.1	0.3	0.4	57	0.41	0.174
103218	Soil	1.1	27.0	10.9	58	<0.1	19.9	7.1	189	2.68	8.8	1.5	8.8	1.0	14	0.2	0.7	0.4	54	0.13	0.071
103219	Soil	1.3	58.1	11.7	69	<0.1	69.0	21.0	336	3.11	9.4	0.6	2.3	3.1	13	0.1	0.6	0.2	64	0.23	0.048
103220	Soil	1.6	41.6	11.3	88	<0.1	41.8	14.4	515	3.17	6.8	1.2	0.9	3.4	19	0.2	0.6	0.3	78	0.16	0.044
103221	Soil	0.9	95.2	5.7	62	<0.1	53.9	24.7	574	3.23	4.6	0.4	4.2	2.7	11	0.2	0.3	0.2	81	0.21	0.041
103222	Soil	0.7	111.1	6.0	51	<0.1	53.4	23.0	477	2.81	3.8	0.3	4.2	2.2	8	0.1	0.2	0.2	76	0.16	0.033
103223	Soil	1.0	70.3	8.2	54	<0.1	31.6	14.7	363	2.74	6.5	0.4	<0.5	2.9	10	0.2	0.5	0.2	67	0.16	0.037
103224	Soil	0.4	86.3	5.0	54	0.1	28.6	13.9	284	2.69	4.4	0.4	3.2	2.0	13	<0.1	0.4	0.1	72	0.27	0.045
103225	Soil	0.7	50.9	5.0	49	<0.1	24.8	9.7	203	2.06	4.3	0.4	4.7	2.2	13	<0.1	0.4	0.1	48	0.26	0.065
103226	Soil	0.7	61.7	6.6	41	<0.1	40.0	12.2	240	2.29	6.6	0.4	40.6	1.9	14	0.2	0.4	0.1	51	0.17	0.041
103227	Soil	0.7	63.1	5.2	29	<0.1	25.1	8.7	239	1.91	4.1	0.2	<0.5	1.4	6	<0.1	0.2	0.1	65	0.10	0.031
103228	Soil	1.5	46.7	9.6	35	<0.1	19.3	7.8	218	2.48	9.7	0.4	1.5	2.0	10	0.1	0.6	0.1	50	0.10	0.037
103229	Soil	0.7	116.3	4.2	35	<0.1	41.4	19.9	254	2.88	3.1	0.2	<0.5	1.1	14	0.1	0.2	0.1	65	0.19	0.031
103230	Soil	1.6	64.8	10.9	83	0.1	31.8	12.2	343	2.75	7.2	0.8	2.6	2.7	19	0.2	0.5	0.3	60	0.26	0.059
103231	Soil	2.1	36.5	11.5	86	0.3	34.4	11.4	288	2.93	6.5	1.1	2.6	5.4	16	0.1	0.4	0.2	66	0.24	0.052
103232	Soil	0.7	16.6	9.9	43	<0.1	13.5	4.3	101	1.79	6.7	1.0	1.9	1.2	14	<0.1	0.3	0.2	39	0.16	0.047
103233	Soil	1.0	30.3	7.6	68	<0.1	30.8	16.2	388	3.70	6.0	0.8	1.3	6.3	12	0.1	0.4	<0.1	73	0.24	0.062
103234	Soil	0.5	29.9	4.4	67	<0.1	131.1	27.2	322	3.37	1.4	1.2	<0.5	9.6	12	<0.1	<0.1	<0.1	78	0.39	0.118
103235	Soil	0.8	44.5	7.3	57	<0.1	44.9	16.8	287	3.47	1.7	2.5	1.5	10.6	26	<0.1	<0.1	0.1	78	0.48	0.139
110328	Soil	0.1	167.9	4.3	56	<0.1	29.3	19.7	259	4.33	0.8	1.3	<0.5	1.2	31	<0.1	<0.1	<0.1	89	0.98	0.328
110329	Soil	0.8	48.4	8.0	49	<0.1	32.2	13.6	209	3.20	10.2	0.8	<0.5	4.5	19	<0.1	0.6	0.2	79	0.20	0.093
110330	Soil	0.5	55.4	4.2	66	<0.1	110.4	26.5	231	4.43	4.3	0.6	1.1	3.6	14	<0.1	0.2	0.2	98	0.55	0.182
110331	Soil	0.8	31.7	9.8	57	<0.1	26.5	10.7	286	2.74	14.4	1.2	5.1	6.8	12	<0.1	0.8	0.2	50	0.10	0.036
110332	Soil	0.9	53.8	7.3	75	<0.1	45.5	18.5	379	4.64	7.2	1.2	1.2	7.7	20	<0.1	0.6	0.4	70	0.30	0.059
110333	Soil	0.8	48.2	10.0	90	<0.1	43.4	18.1	393	5.86	5.5	0.7	7.6	4.2	36	<0.1	0.3	0.4	75	0.15	0.046
110334	Soil	1.2	15.4	11.3	58	<0.1	24.5	12.2	265	2.94	9.5	0.8	0.8	5.5	16	<0.1	0.6	0.3	58	0.11	0.026
110335	Soil	1.0	29.2	8.8	72	<0.1	49.6	18.6	413	3.87	11.0	0.8	<0.5	5.8	21	<0.1	0.5	0.4	63	0.30	0.101
110336	Soil	1.1	28.5	9.8	62	<0.1	30.1	15.6	275	4.04	8.1	0.9	<0.5	6.2	18	<0.1	0.5	0.3	72	0.15	0.040

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Project: Burnham
 Report Date: August 03, 2011

Page: 5 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
110325	Soil	12	53	1.06	317	0.235	<1	2.87	0.016	1.46	<0.1	0.01	5.3	0.8	0.08	10	<0.5	<0.2
110326	Soil	17	32	0.49	215	0.044	1	1.59	0.006	0.04	0.2	0.06	4.9	<0.1	<0.05	4	<0.5	<0.2
110327	Soil	7	90	1.39	284	0.169	<1	3.41	0.013	0.54	0.3	<0.01	7.5	<0.1	<0.05	10	<0.5	<0.2
103218	Soil	15	35	0.36	130	0.041	2	1.42	0.006	0.04	0.2	0.02	1.5	0.1	<0.05	5	1.2	<0.2
103219	Soil	11	71	0.74	157	0.127	2	2.20	0.011	0.13	0.2	0.02	2.6	<0.1	0.05	6	<0.5	<0.2
103220	Soil	16	57	0.63	241	0.113	<1	2.29	0.015	0.14	0.1	0.05	3.4	0.2	<0.05	9	0.8	<0.2
103221	Soil	9	64	0.83	275	0.132	1	2.09	0.013	0.13	0.1	<0.01	5.3	0.1	<0.05	6	<0.5	<0.2
103222	Soil	6	62	0.79	360	0.151	<1	2.02	0.013	0.22	0.1	<0.01	4.2	0.2	<0.05	6	0.7	<0.2
103223	Soil	9	41	0.61	154	0.109	2	1.79	0.011	0.10	0.2	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
103224	Soil	10	44	0.71	217	0.080	1	1.85	0.015	0.07	0.1	<0.01	4.1	<0.1	<0.05	6	0.6	<0.2
103225	Soil	11	34	0.49	161	0.049	1	1.36	0.010	0.05	0.2	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
103226	Soil	9	52	0.52	281	0.078	1	1.62	0.012	0.06	0.2	0.03	2.6	<0.1	<0.05	4	0.8	<0.2
103227	Soil	5	30	0.35	184	0.130	<1	1.21	0.010	0.08	<0.1	0.01	2.7	<0.1	<0.05	7	0.9	<0.2
103228	Soil	9	30	0.31	117	0.056	2	1.55	0.008	0.04	0.1	0.04	2.0	<0.1	<0.05	5	0.5	<0.2
103229	Soil	5	39	0.58	154	0.065	1	1.79	0.015	0.03	<0.1	0.01	3.7	<0.1	<0.05	5	0.9	<0.2
103230	Soil	19	48	0.57	247	0.080	<1	1.73	0.009	0.11	0.2	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
103231	Soil	24	61	0.71	200	0.138	2	1.83	0.009	0.20	0.2	0.04	3.9	0.2	<0.05	7	<0.5	<0.2
103232	Soil	19	27	0.35	147	0.052	1	1.15	0.006	0.07	0.2	0.04	1.9	<0.1	<0.05	5	0.6	<0.2
103233	Soil	15	48	0.96	202	0.196	1	2.26	0.013	0.43	0.2	0.02	3.9	0.2	<0.05	8	<0.5	<0.2
103234	Soil	15	216	2.09	361	0.302	<1	2.72	0.018	0.96	0.1	<0.01	3.2	0.4	<0.05	9	<0.5	<0.2
103235	Soil	28	92	1.13	436	0.231	<1	2.97	0.017	0.79	0.1	0.01	6.3	0.2	<0.05	9	<0.5	<0.2
110328	Soil	8	23	1.15	672	0.144	<1	3.81	0.014	0.96	0.3	0.01	7.7	<0.1	<0.05	11	<0.5	<0.2
110329	Soil	18	67	0.71	204	0.102	1	1.84	0.017	0.15	0.1	<0.01	2.1	<0.1	0.08	5	0.8	<0.2
110330	Soil	20	228	2.22	248	0.295	<1	2.60	0.026	0.79	0.1	0.02	2.6	0.5	<0.05	8	<0.5	<0.2
110331	Soil	25	34	0.43	174	0.068	<1	1.48	0.006	0.06	0.2	0.03	5.1	<0.1	<0.05	4	0.7	<0.2
110332	Soil	18	69	1.10	235	0.228	1	2.65	0.014	0.51	0.2	<0.01	4.4	0.7	<0.05	9	0.8	<0.2
110333	Soil	12	75	1.26	313	0.328	<1	3.47	0.017	1.28	0.2	<0.01	7.1	0.8	0.05	11	<0.5	<0.2
110334	Soil	13	35	0.44	200	0.070	1	1.95	0.005	0.12	0.2	<0.01	3.0	0.1	<0.05	6	<0.5	<0.2
110335	Soil	15	43	0.73	240	0.139	2	2.71	0.007	0.36	0.2	<0.01	3.6	0.2	<0.05	8	<0.5	<0.2
110336	Soil	13	45	0.69	265	0.160	2	2.46	0.009	0.32	0.2	0.03	3.6	0.2	<0.05	7	0.6	<0.2

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Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
110337	Soil			1.5	21.3	9.8	67	<0.1	30.9	14.0	316	4.50	7.2	1.3	<0.5	6.2	22	<0.1	0.5	0.3	74	0.23	0.095
115453	Soil			0.4	32.0	23.4	93	<0.1	114.3	26.1	1330	4.59	2.7	0.3	<0.5	1.9	30	0.5	0.2	0.1	114	0.67	0.089
115454	Soil			1.1	36.7	10.9	75	<0.1	58.5	13.5	356	3.78	8.1	0.8	1.7	4.5	10	0.1	0.4	0.2	78	0.14	0.038
115455	Soil			1.7	40.0	10.4	74	0.1	36.0	14.2	386	2.91	10.1	0.6	2.3	4.0	17	0.2	0.9	0.2	59	0.18	0.031
115456	Soil			1.3	45.9	12.3	70	<0.1	35.4	16.6	339	4.74	5.4	0.3	1.0	3.3	12	0.2	0.4	0.4	113	0.18	0.036
115457	Soil			3.0	66.6	11.5	84	0.2	61.8	15.6	383	4.49	9.5	0.3	0.8	3.3	19	<0.1	0.7	0.2	92	0.20	0.041
115458	Soil			1.0	75.1	7.2	47	<0.1	29.4	13.7	237	2.48	7.0	0.2	1.9	1.9	12	<0.1	0.6	0.2	52	0.16	0.036
115459	Soil			0.6	63.3	4.8	49	<0.1	54.5	18.6	280	2.80	3.7	0.3	<0.5	1.8	24	<0.1	0.2	<0.1	70	0.17	0.039
115460	Soil			0.8	13.1	13.6	55	<0.1	20.9	9.4	396	2.38	8.6	1.6	<0.5	2.2	12	<0.1	0.5	1.4	36	0.14	0.067
103254	Soil			0.5	20.0	14.2	57	<0.1	25.8	12.8	493	2.58	4.2	1.3	0.6	4.6	50	0.3	0.3	0.3	42	0.53	0.045
103255	Soil			0.5	21.5	11.9	55	<0.1	27.0	11.3	307	2.61	4.1	1.3	<0.5	4.5	49	0.1	0.3	0.3	42	0.53	0.048
103256	Soil			0.5	18.5	8.5	52	<0.1	27.2	11.0	303	2.73	4.4	0.9	<0.5	5.8	35	<0.1	0.1	0.2	39	0.38	0.058
103257	Soil			0.7	19.8	11.4	52	<0.1	23.9	11.7	390	2.53	5.1	1.3	3.9	5.0	53	<0.1	0.3	0.2	39	0.54	0.050
103258	Soil			0.7	20.1	14.5	51	<0.1	23.9	10.6	411	2.48	7.0	0.8	1.1	4.8	25	0.3	0.3	0.2	40	0.52	0.047
103259	Soil			0.5	38.9	9.2	50	<0.1	28.2	11.1	249	2.54	5.2	1.0	<0.5	5.3	24	<0.1	0.2	0.2	39	0.32	0.045
103260	Soil			0.6	44.4	5.7	37	<0.1	43.3	15.1	219	3.40	3.2	0.9	1.1	4.1	15	<0.1	0.3	0.2	45	0.21	0.061
103261	Soil			0.4	30.0	5.8	48	<0.1	37.7	13.9	118	3.71	1.4	1.4	<0.5	9.0	7	<0.1	<0.1	0.2	37	0.07	0.021
103262	Soil			0.3	63.7	10.0	36	<0.1	267.3	21.5	164	2.63	4.0	0.7	<0.5	3.7	34	0.2	0.1	0.3	38	0.35	0.066
103263	Soil			0.8	52.9	18.7	79	<0.1	42.7	13.7	200	4.32	5.2	1.8	0.5	6.0	13	0.5	0.1	0.2	39	0.15	0.029
103264	Soil			1.0	32.8	20.6	57	<0.1	36.2	17.6	234	3.40	4.5	2.0	1.0	10.1	31	<0.1	0.1	0.2	46	0.32	0.044
103265	Soil			1.3	34.4	12.9	56	<0.1	62.2	15.0	209	3.39	3.5	1.8	<0.5	8.0	120	<0.1	<0.1	0.4	42	0.53	0.143
121264	Soil			1.2	40.6	9.2	55	<0.1	143.0	19.6	455	3.62	3.3	1.7	<0.5	5.2	58	0.2	0.2	0.3	59	1.32	0.114
121265	Soil			0.8	63.2	9.7	36	<0.1	18.6	9.2	183	5.28	0.8	0.8	<0.5	4.3	41	<0.1	<0.1	0.4	42	0.08	0.045
121266	Soil			0.9	16.8	12.9	38	<0.1	30.8	10.3	163	2.28	7.3	0.3	1.2	1.9	10	0.3	0.3	0.2	53	0.19	0.064
121267	Soil			1.1	32.0	5.0	77	<0.1	45.6	22.8	203	3.91	4.4	1.0	0.7	3.8	21	<0.1	0.2	<0.1	107	0.44	0.166
121268	Soil			1.6	132.4	4.1	42	<0.1	171.0	27.2	286	3.33	1.6	0.5	1.4	1.0	40	<0.1	<0.1	0.1	68	0.43	0.151
121269	Soil			0.8	20.2	9.4	59	<0.1	25.8	10.7	209	2.74	7.0	1.0	3.3	6.0	12	<0.1	0.5	0.2	44	0.11	0.030
115461	Soil			0.9	14.9	10.0	50	<0.1	22.5	7.2	249	2.66	11.5	1.1	1.3	2.9	9	<0.1	0.7	0.6	46	0.07	0.022
115462	Soil			1.4	56.9	16.0	78	<0.1	41.7	23.8	419	5.23	0.9	2.0	<0.5	5.1	10	<0.1	<0.1	0.7	35	0.01	0.041
115463	Soil			1.0	24.7	17.3	59	<0.1	27.5	11.6	251	2.70	10.5	1.0	2.1	3.8	9	0.5	0.7	0.3	46	0.08	0.020

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Page: 6 of 12 Part 2

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
110337	Soil	16	46	0.92	248	0.175	1	2.45	0.009	0.45	0.1	0.01	4.0	0.3	<0.05	9	<0.5	<0.2
115453	Soil	9	196	2.44	490	0.243	<1	3.17	0.031	0.46	<0.1	0.01	8.8	0.3	<0.05	8	<0.5	<0.2
115454	Soil	15	89	1.04	168	0.145	2	2.31	0.007	0.29	0.1	0.05	4.0	0.2	<0.05	7	<0.5	<0.2
115455	Soil	13	40	0.55	236	0.072	2	2.02	0.009	0.08	0.2	0.04	3.4	<0.1	<0.05	5	0.9	<0.2
115456	Soil	11	72	0.93	218	0.212	2	2.19	0.008	0.14	0.1	0.04	3.4	0.1	<0.05	10	0.6	<0.2
115457	Soil	13	80	0.86	303	0.108	1	2.57	0.007	0.11	0.3	0.06	3.8	0.1	<0.05	8	0.5	<0.2
115458	Soil	8	30	0.46	117	0.070	1	1.86	0.013	0.05	0.2	0.04	2.6	<0.1	<0.05	4	1.2	<0.2
115459	Soil	5	82	0.80	275	0.202	1	2.25	0.012	0.17	0.3	0.05	2.3	0.1	<0.05	6	<0.5	<0.2
115460	Soil	11	21	0.38	139	0.022	<1	1.31	0.011	0.04	0.3	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
103254	Soil	17	35	0.52	217	0.066	<1	1.86	0.017	0.05	0.4	0.04	3.2	0.1	<0.05	6	<0.5	<0.2
103255	Soil	19	36	0.50	243	0.059	<1	1.90	0.014	0.05	0.2	0.04	3.6	0.1	<0.05	6	<0.5	<0.2
103256	Soil	17	37	0.52	165	0.052	<1	1.63	0.011	0.09	0.3	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
103257	Soil	22	34	0.44	197	0.044	<1	1.63	0.013	0.04	0.3	0.04	3.4	<0.1	<0.05	5	<0.5	<0.2
103258	Soil	17	29	0.53	233	0.047	<1	1.53	0.018	0.04	0.3	0.04	3.5	<0.1	<0.05	5	<0.5	<0.2
103259	Soil	12	34	0.56	175	0.077	<1	1.59	0.010	0.21	0.1	0.01	3.0	0.2	<0.05	5	0.6	<0.2
103260	Soil	11	45	0.79	230	0.143	<1	2.23	0.009	0.62	0.6	<0.01	4.1	0.4	<0.05	6	<0.5	<0.2
103261	Soil	16	43	0.80	222	0.135	<1	2.08	0.006	0.70	<0.1	0.01	3.7	0.3	<0.05	8	<0.5	<0.2
103262	Soil	12	219	1.27	143	0.100	<1	1.66	0.007	0.20	0.2	<0.01	3.0	0.2	<0.05	5	0.6	<0.2
103263	Soil	16	43	0.95	194	0.216	<1	2.36	0.010	1.02	<0.1	0.01	5.3	0.5	<0.05	8	<0.5	<0.2
103264	Soil	23	54	0.77	162	0.143	<1	1.97	0.008	0.60	<0.1	0.02	3.7	0.4	<0.05	7	<0.5	<0.2
103265	Soil	21	75	0.94	161	0.128	<1	1.92	0.009	0.43	0.2	<0.01	3.5	0.3	<0.05	7	<0.5	<0.2
121264	Soil	20	140	1.51	239	0.149	<1	2.68	0.023	0.51	0.1	0.04	5.6	0.4	0.23	7	0.5	<0.2
121265	Soil	17	47	0.95	273	0.242	<1	2.63	0.035	1.33	<0.1	0.01	4.3	0.8	0.53	7	<0.5	<0.2
121266	Soil	8	76	0.57	101	0.115	<1	1.42	0.008	0.10	0.2	0.04	1.5	0.1	0.06	5	<0.5	<0.2
121267	Soil	31	46	2.59	312	0.323	<1	3.20	0.021	0.64	<0.1	0.01	2.8	0.2	<0.05	12	<0.5	<0.2
121268	Soil	8	183	1.21	239	0.258	<1	2.04	0.013	0.28	0.3	0.02	1.3	0.2	<0.05	7	<0.5	<0.2
121269	Soil	18	32	0.58	166	0.119	1	1.95	0.008	0.29	0.2	0.03	2.6	0.2	<0.05	6	<0.5	<0.2
115461	Soil	11	25	0.40	97	0.049	<1	1.43	0.005	0.06	0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
115462	Soil	14	36	0.62	108	0.173	<1	1.93	0.012	0.74	<0.1	<0.01	2.4	0.7	<0.05	6	<0.5	<0.2
115463	Soil	9	31	0.47	107	0.068	<1	1.64	0.008	0.12	0.1	0.02	2.5	0.2	<0.05	5	0.6	<0.2

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 Report Date: August 03, 2011

Page: 7 of 12 Part 1

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WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
115464	Soil	1.0	16.4	23.0	49	<0.1	22.3	8.9	259	3.13	10.1	0.5	1.4	3.1	9	0.7	0.5	0.2	47	0.08	0.036
115465	Soil	1.5	37.9	9.2	95	<0.1	50.6	24.3	230	6.21	3.7	2.8	<0.5	13.4	9	<0.1	0.2	0.2	111	0.18	0.133
115466	Soil	1.0	14.0	13.4	42	<0.1	22.9	9.7	190	3.09	7.8	1.2	<0.5	6.4	7	<0.1	0.4	0.3	56	0.05	0.020
115467	Soil	0.9	20.6	7.1	46	<0.1	22.5	7.3	241	3.43	4.5	1.2	<0.5	5.6	6	<0.1	0.3	0.1	57	0.05	0.035
115468	Soil	1.0	13.7	13.7	47	<0.1	17.5	8.6	266	3.09	11.6	0.6	0.8	3.2	8	0.1	0.7	0.2	48	0.07	0.044
115469	Soil	1.0	15.0	13.1	49	<0.1	18.9	9.4	231	2.72	10.2	0.6	1.5	4.3	7	<0.1	0.7	0.2	53	0.05	0.024
115470	Soil	1.1	28.3	5.8	70	<0.1	56.8	12.6	163	4.64	3.7	1.4	2.4	5.7	5	<0.1	0.2	0.2	60	0.02	0.031
115471	Soil	0.8	14.7	10.4	72	<0.1	19.3	9.3	187	2.41	10.9	1.1	1.1	3.6	6	<0.1	0.6	0.7	50	0.05	0.021
115472	Soil	0.9	14.4	10.7	54	<0.1	22.7	10.1	246	3.00	10.6	0.9	0.9	4.0	7	<0.1	0.6	0.6	48	0.05	0.031
115473	Soil	0.8	19.6	11.2	53	<0.1	21.3	9.6	274	3.31	9.9	1.5	1.6	3.8	8	<0.1	0.5	0.3	48	0.05	0.031
115474	Soil	0.8	18.1	9.4	42	<0.1	22.6	9.5	275	3.05	9.8	0.9	2.0	5.1	7	<0.1	0.5	0.2	50	0.06	0.023
115475	Soil	1.1	15.4	9.3	50	<0.1	17.8	7.6	253	2.80	9.4	0.9	1.5	3.9	8	<0.1	0.4	0.2	51	0.05	0.026
103215	Soil	2.0	71.7	8.2	98	<0.1	59.6	38.6	237	5.53	1.0	0.8	<0.5	2.5	39	0.2	<0.1	0.2	143	0.80	0.314
103216	Soil	0.8	49.8	4.8	73	<0.1	36.7	26.2	219	3.33	2.0	0.7	<0.5	3.1	17	0.1	0.1	0.2	84	0.94	0.417
103217	Soil	0.7	39.2	7.2	56	<0.1	50.3	23.8	181	3.39	5.0	1.0	0.9	6.1	32	0.2	0.3	0.3	141	1.16	0.106
121288	Soil	0.8	15.3	10.9	51	<0.1	15.3	6.8	246	2.36	7.4	1.2	0.8	3.0	11	0.1	0.4	0.4	40	0.11	0.039
121289	Soil	0.7	16.2	10.9	44	<0.1	15.6	5.6	160	2.34	7.3	1.1	1.3	1.2	12	<0.1	0.4	0.3	40	0.10	0.037
121290	Soil	0.8	17.1	11.1	46	<0.1	17.6	6.0	195	2.38	6.7	1.3	2.3	1.7	14	0.2	0.3	0.3	44	0.12	0.038
121291	Soil	0.7	18.7	12.5	63	<0.1	27.6	10.4	339	3.80	6.9	1.2	<0.5	6.0	7	0.1	0.3	0.3	56	0.06	0.030
121292	Soil	1.0	29.4	12.0	62	<0.1	22.1	9.3	329	2.69	11.1	1.4	4.2	6.1	13	<0.1	0.6	0.2	43	0.11	0.031
121293	Soil	0.4	14.4	26.0	56	<0.1	24.0	8.0	513	2.25	4.9	1.1	2.2	14.6	18	0.2	0.3	0.3	30	0.25	0.036
121294	Soil	0.2	42.2	14.0	101	<0.1	38.4	17.3	559	5.15	1.0	1.6	1.5	12.5	30	<0.1	<0.1	0.3	45	0.35	0.072
121295	Soil	0.7	34.2	13.9	82	<0.1	34.8	14.2	342	4.39	4.2	1.3	1.6	6.6	7	<0.1	0.2	0.3	40	0.09	0.057
121296	Soil	0.5	19.3	10.5	57	<0.1	27.8	11.9	286	3.39	4.7	2.2	1.8	10.2	12	<0.1	0.3	0.2	34	0.09	0.022
121297	Soil	0.6	17.6	8.9	53	<0.1	17.1	8.0	261	2.40	7.4	1.0	1.3	5.0	11	<0.1	0.4	0.2	39	0.09	0.030
121298	Soil	0.4	32.1	14.2	61	<0.1	35.8	15.6	706	3.45	3.3	2.0	2.2	13.6	11	0.1	0.1	0.3	30	0.08	0.048
121299	Soil	0.5	33.3	11.6	75	<0.1	30.5	12.2	415	3.52	6.2	1.3	4.9	7.6	19	0.1	0.5	0.2	41	0.20	0.059
121300	Soil	0.6	25.5	9.2	61	<0.1	25.9	10.8	439	2.60	9.1	1.0	320.2	5.4	11	0.2	0.4	0.3	38	0.11	0.047
121301	Soil	0.8	24.4	8.8	52	<0.1	21.5	9.1	340	2.08	7.5	1.0	11.0	4.7	16	0.2	0.6	0.2	36	0.17	0.039
121302	Soil	0.7	21.7	8.9	52	<0.1	20.3	7.6	256	2.13	8.9	0.9	3.3	4.6	14	<0.1	0.6	0.2	40	0.13	0.036

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Report Date: August 03, 2011

Page: 7 of 12 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
115464	Soil	10	31	0.49	107	0.082	1	1.63	0.009	0.16	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
115465	Soil	46	58	1.18	187	0.272	<1	3.64	0.009	0.54	0.1	0.04	6.9	0.5	<0.05	13	<0.5	<0.2
115466	Soil	15	30	0.33	106	0.038	<1	1.54	0.003	0.08	0.2	0.04	2.3	0.2	<0.05	6	<0.5	<0.2
115467	Soil	11	33	0.40	141	0.134	<1	1.48	0.003	0.23	0.1	<0.01	2.3	0.2	<0.05	9	<0.5	<0.2
115468	Soil	9	30	0.40	109	0.047	<1	1.75	0.004	0.06	0.2	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
115469	Soil	9	32	0.37	135	0.052	<1	1.77	0.005	0.05	0.2	0.04	2.7	<0.1	<0.05	5	<0.5	<0.2
115470	Soil	15	47	0.90	159	0.170	<1	2.79	0.009	0.62	0.1	0.04	4.5	0.4	<0.05	10	<0.5	<0.2
115471	Soil	9	28	0.36	156	0.037	<1	1.73	0.003	0.05	0.1	0.01	2.3	0.1	<0.05	5	<0.5	<0.2
115472	Soil	9	34	0.45	127	0.065	<1	2.15	0.012	0.18	0.2	0.03	2.8	0.2	<0.05	6	<0.5	<0.2
115473	Soil	10	30	0.46	122	0.070	1	1.87	0.004	0.18	0.2	0.03	2.1	0.3	<0.05	5	<0.5	<0.2
115474	Soil	11	36	0.48	138	0.067	<1	1.88	0.004	0.10	0.2	0.03	3.4	0.1	<0.05	5	<0.5	<0.2
115475	Soil	10	31	0.44	132	0.047	<1	1.62	0.004	0.07	0.2	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
103215	Soil	26	23	2.19	435	0.344	2	3.13	0.020	1.54	0.2	<0.01	4.1	0.7	0.06	12	<0.5	<0.2
103216	Soil	15	35	1.23	178	0.197	1	2.38	0.020	0.70	0.2	0.03	1.8	0.3	<0.05	10	<0.5	<0.2
103217	Soil	14	118	1.40	323	0.158	1	4.63	0.103	0.53	0.1	0.03	7.7	0.3	<0.05	13	<0.5	<0.2
121288	Soil	15	24	0.37	109	0.041	1	1.38	0.005	0.10	0.2	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
121289	Soil	14	23	0.33	114	0.035	1	1.35	0.005	0.09	0.1	0.03	1.6	0.1	<0.05	6	<0.5	<0.2
121290	Soil	17	27	0.37	124	0.051	1	1.45	0.006	0.12	0.2	0.02	1.8	0.1	<0.05	7	<0.5	<0.2
121291	Soil	12	42	0.61	116	0.152	1	2.14	0.007	0.49	0.1	0.01	2.6	0.4	<0.05	9	<0.5	<0.2
121292	Soil	13	29	0.45	193	0.062	2	1.69	0.007	0.09	0.2	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
121293	Soil	22	25	0.43	315	0.061	<1	2.24	0.007	0.15	0.1	0.02	2.4	0.1	<0.05	6	<0.5	<0.2
121294	Soil	19	49	0.91	186	0.134	<1	2.57	0.007	0.17	<0.1	<0.01	4.1	<0.1	<0.05	11	<0.5	<0.2
121295	Soil	13	38	0.77	128	0.154	<1	2.52	0.011	0.59	<0.1	<0.01	2.4	0.4	<0.05	8	<0.5	<0.2
121296	Soil	31	31	0.63	250	0.098	<1	2.14	0.008	0.46	<0.1	<0.01	2.6	0.4	<0.05	6	<0.5	<0.2
121297	Soil	14	27	0.42	158	0.060	1	1.39	0.006	0.13	0.1	0.04	3.1	0.1	<0.05	5	<0.5	<0.2
121298	Soil	34	30	0.35	168	0.049	<1	1.52	0.005	0.21	<0.1	<0.01	2.7	0.2	<0.05	6	<0.5	<0.2
121299	Soil	16	35	0.64	306	0.104	1	1.71	0.006	0.45	0.1	0.02	3.7	0.2	<0.05	7	<0.5	<0.2
121300	Soil	14	31	0.41	232	0.079	<1	1.62	0.005	0.23	0.2	<0.01	3.0	0.2	<0.05	5	<0.5	<0.2
121301	Soil	13	24	0.38	258	0.065	<1	1.21	0.007	0.10	0.2	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
121302	Soil	14	24	0.37	243	0.052	<1	1.29	0.006	0.05	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2



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Page: 8 of 12 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
121303	Soil			1.0	25.1	10.4	63	<0.1	22.5	8.0	291	2.42	10.3	1.0	3.0	4.5	15	<0.1	0.7	0.2	45	0.14	0.042
121304	Soil			0.5	21.6	8.5	44	<0.1	18.4	6.1	244	1.74	6.9	0.5	1.9	3.5	18	0.2	0.6	0.2	28	0.21	0.051
121305	Soil			0.8	24.7	10.7	59	<0.1	23.8	10.3	522	2.50	10.5	1.7	3.6	5.4	16	0.1	0.7	0.3	42	0.14	0.027
103236	Soil			0.9	32.6	7.2	42	0.1	24.5	12.7	231	2.43	1.9	4.0	1.0	5.5	27	<0.1	<0.1	0.1	56	0.49	0.112
103237	Soil			0.7	30.6	7.3	36	0.1	21.0	10.6	252	2.03	1.9	7.3	1.2	4.6	29	0.1	0.1	0.1	45	0.62	0.138
103238	Soil			0.9	33.7	7.0	67	<0.1	42.1	15.6	387	3.64	1.1	2.2	1.5	8.8	17	0.1	<0.1	0.3	76	0.36	0.141
103239	Soil			1.6	26.1	10.6	58	0.1	31.2	13.9	309	3.01	2.3	5.4	0.9	6.5	31	<0.1	0.1	0.2	64	0.40	0.084
103240	Soil			1.4	23.3	9.7	57	<0.1	29.4	13.2	316	2.88	2.2	4.0	0.8	5.7	27	<0.1	0.1	0.2	62	0.39	0.086
103241	Soil			2.0	31.0	13.5	64	0.1	32.3	14.6	649	3.55	3.0	7.5	0.9	7.0	35	0.1	0.2	0.3	69	0.48	0.085
103242	Soil			0.8	20.1	11.3	54	<0.1	27.6	13.2	319	3.04	10.0	0.8	2.0	5.8	28	0.1	0.5	0.2	46	0.15	0.028
103243	Soil			0.4	27.8	9.9	46	0.1	24.7	10.6	409	2.21	6.0	1.0	2.1	3.0	120	0.1	0.3	0.2	35	1.09	0.067
103244	Soil			0.4	40.8	8.6	62	<0.1	29.1	13.2	328	2.50	3.7	0.9	3.2	3.7	87	<0.1	0.2	0.3	42	0.85	0.053
103245	Soil			0.6	31.2	8.1	54	<0.1	28.3	12.3	298	2.78	5.4	0.9	1.8	3.9	45	<0.1	0.2	0.3	50	0.42	0.048
103246	Soil			0.7	25.2	8.4	53	0.1	26.7	13.8	311	2.89	4.3	1.0	3.3	4.1	50	0.1	0.2	0.2	55	0.48	0.060
103247	Soil			0.6	29.6	8.5	68	<0.1	37.7	17.1	418	3.58	2.6	1.3	1.7	7.4	95	0.2	0.1	0.3	59	0.74	0.053
103248	Soil			0.5	25.7	8.5	52	<0.1	27.6	13.4	287	2.61	3.8	1.2	1.9	5.0	84	0.1	0.3	0.3	44	0.73	0.053
103249	Soil			0.5	24.1	8.8	53	<0.1	26.9	13.3	270	2.55	4.4	1.3	1.8	4.1	96	0.1	0.3	0.3	41	0.93	0.049
103250	Soil			0.3	22.3	7.9	54	<0.1	22.8	9.4	203	1.74	2.7	1.1	2.1	3.1	85	0.2	0.3	0.3	37	0.90	0.042
103251	Soil			0.6	22.8	8.4	56	<0.1	27.9	13.2	287	2.84	4.3	1.1	1.3	5.7	65	0.1	0.2	0.4	44	0.49	0.049
103252	Soil			0.7	24.9	9.0	65	<0.1	30.6	13.8	240	2.96	4.4	1.2	3.3	6.6	62	0.1	0.3	0.4	47	0.44	0.047
103253	Soil			0.7	20.3	8.3	59	<0.1	26.0	10.9	276	2.42	4.1	1.2	1.8	4.4	72	<0.1	0.3	0.3	40	0.65	0.043
121306	Soil			1.0	30.4	10.5	66	<0.1	25.3	9.8	421	2.49	11.4	2.5	2.9	5.0	19	0.1	0.7	0.2	42	0.19	0.044
121307	Soil			0.4	22.4	6.6	39	<0.1	19.2	5.7	219	1.61	7.5	0.8	18.9	4.1	15	0.1	0.5	0.2	24	0.16	0.045
121308	Soil			0.8	26.0	12.7	73	<0.1	28.6	11.6	595	2.48	9.9	1.2	1.1	4.5	14	0.2	0.4	0.4	34	0.17	0.087
121309	Soil			1.1	25.6	11.4	63	<0.1	24.1	8.0	261	2.17	9.1	0.9	3.1	4.6	24	0.2	0.8	0.2	39	0.29	0.051
121310	Soil			0.8	26.7	12.8	86	0.1	15.3	6.8	302	2.59	5.2	3.7	1.6	15.3	16	0.5	0.4	1.7	34	0.27	0.084
121311	Soil			1.0	26.8	11.0	67	0.1	19.7	6.9	270	2.37	8.0	2.2	2.5	6.6	18	0.3	0.6	0.6	42	0.23	0.070
121312	Soil			0.9	25.9	10.5	65	0.2	19.6	7.0	196	2.39	7.4	1.7	4.4	3.3	15	0.2	0.6	0.4	42	0.18	0.067
121313	Soil			1.0	19.9	13.0	55	0.2	15.6	8.5	388	2.48	8.1	2.3	3.9	2.7	16	0.2	0.5	0.4	43	0.19	0.074
121314	Soil			0.8	11.1	7.7	50	<0.1	11.6	4.8	229	1.99	6.4	1.4	1.1	2.6	10	<0.1	0.4	0.3	35	0.11	0.047

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Project: Burnham
 Report Date: August 03, 2011

Page: 8 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
121303	Soil	15	27	0.41	295	0.051	<1	1.41	0.007	0.05	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
121304	Soil	11	20	0.33	218	0.044	<1	0.89	0.007	0.06	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
121305	Soil	17	29	0.39	336	0.058	1	1.48	0.006	0.09	0.2	0.04	4.2	0.1	<0.05	4	<0.5	<0.2
103236	Soil	26	52	0.72	242	0.141	<1	1.87	0.013	0.39	0.2	0.03	4.3	0.1	<0.05	7	<0.5	<0.2
103237	Soil	31	44	0.56	206	0.105	<1	1.65	0.011	0.27	0.2	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
103238	Soil	24	73	1.23	534	0.264	<1	3.07	0.012	1.11	0.1	<0.01	6.6	0.5	<0.05	11	<0.5	<0.2
103239	Soil	26	66	0.88	355	0.153	<1	2.26	0.013	0.38	0.2	0.04	5.7	0.2	<0.05	9	<0.5	<0.2
103240	Soil	22	62	0.86	314	0.158	<1	2.18	0.011	0.42	0.3	0.03	5.1	0.3	<0.05	8	<0.5	<0.2
103241	Soil	31	65	0.86	357	0.145	1	2.38	0.011	0.46	0.3	0.05	6.1	0.3	<0.05	8	<0.5	<0.2
103242	Soil	13	35	0.56	179	0.073	<1	2.53	0.011	0.18	0.2	0.01	3.7	0.2	<0.05	6	<0.5	<0.2
103243	Soil	16	25	0.41	182	0.051	1	1.51	0.026	0.07	0.2	0.04	2.6	0.1	<0.05	4	<0.5	<0.2
103244	Soil	16	33	0.58	165	0.086	<1	1.90	0.024	0.23	0.2	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
103245	Soil	17	33	0.66	213	0.079	<1	1.94	0.013	0.24	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
103246	Soil	17	34	0.77	186	0.094	<1	2.09	0.016	0.22	0.3	0.01	3.5	0.2	<0.05	7	<0.5	<0.2
103247	Soil	23	56	0.99	261	0.173	<1	2.95	0.030	0.56	0.2	0.02	5.4	0.3	<0.05	10	<0.5	<0.2
103248	Soil	20	36	0.63	231	0.088	<1	2.06	0.025	0.18	0.4	0.03	3.9	0.2	<0.05	6	<0.5	<0.2
103249	Soil	23	34	0.59	200	0.079	2	1.93	0.023	0.16	0.5	0.04	3.5	0.2	<0.05	6	<0.5	<0.2
103250	Soil	18	30	0.47	204	0.065	<1	1.55	0.022	0.09	0.3	0.05	2.8	0.1	0.12	5	<0.5	<0.2
103251	Soil	21	38	0.62	202	0.102	<1	2.11	0.026	0.16	0.4	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
103252	Soil	23	42	0.67	193	0.121	<1	2.23	0.025	0.18	0.4	0.03	4.6	0.2	<0.05	7	<0.5	<0.2
103253	Soil	19	35	0.55	222	0.094	<1	1.89	0.021	0.08	0.2	0.03	3.6	0.1	0.06	6	<0.5	<0.2
121306	Soil	17	26	0.46	357	0.061	<1	1.43	0.010	0.07	0.2	0.05	4.1	<0.1	<0.05	4	<0.5	<0.2
121307	Soil	11	21	0.29	206	0.055	<1	0.97	0.006	0.13	0.3	0.01	2.8	0.1	<0.05	3	<0.5	<0.2
121308	Soil	12	39	0.48	195	0.098	<1	1.86	0.009	0.33	0.3	<0.01	3.0	0.3	<0.05	5	<0.5	<0.2
121309	Soil	14	29	0.44	287	0.066	<1	1.30	0.011	0.07	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
121310	Soil	50	20	0.47	134	0.089	<1	1.51	0.009	0.20	0.7	0.02	2.7	0.3	<0.05	7	<0.5	<0.2
121311	Soil	25	25	0.45	210	0.062	1	1.38	0.008	0.10	0.5	0.03	3.4	0.2	<0.05	5	<0.5	<0.2
121312	Soil	23	26	0.43	219	0.046	<1	1.51	0.007	0.09	0.3	0.05	3.1	0.2	<0.05	5	<0.5	<0.2
121313	Soil	22	23	0.43	173	0.039	<1	1.52	0.008	0.09	0.3	0.04	2.4	0.2	<0.05	5	<0.5	<0.2
121314	Soil	20	17	0.32	98	0.055	<1	1.03	0.007	0.10	0.3	0.02	1.4	0.2	<0.05	5	<0.5	<0.2

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Page: 9 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000564.1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
121315	Soil	0.8	9.0	8.3	52	<0.1	9.9	4.9	242	2.31	5.7	1.7	<0.5	5.5	9	0.2	0.3	0.4	40	0.10	0.044
121316	Soil	0.8	14.1	10.4	56	<0.1	13.0	5.6	233	2.55	7.0	2.4	1.2	4.3	10	0.1	0.4	0.6	38	0.13	0.057
121317	Soil	1.0	13.1	11.3	48	<0.1	11.7	5.7	263	2.51	8.1	2.1	1.5	6.7	10	0.1	0.4	0.5	39	0.11	0.053
121318	Soil	0.7	16.7	11.0	56	<0.1	16.5	7.9	316	2.49	9.1	1.9	1.3	11.2	10	0.2	0.5	0.4	35	0.11	0.045
121319	Soil	0.6	16.0	11.3	75	<0.1	10.2	5.8	285	2.86	4.0	3.1	0.7	16.3	8	0.2	0.2	0.8	25	0.16	0.076
121320	Soil	0.9	21.9	9.9	53	<0.1	10.6	5.2	266	2.70	5.1	2.9	<0.5	14.4	9	0.1	0.3	3.5	29	0.15	0.065
121321	Soil	1.2	13.9	11.5	58	<0.1	16.0	7.2	256	2.54	10.3	1.4	0.8	8.2	11	0.1	0.6	0.7	42	0.10	0.042
121322	Soil	0.6	12.8	8.2	50	<0.1	11.9	6.5	335	2.23	4.6	2.0	0.7	16.0	8	<0.1	0.3	0.9	27	0.11	0.044
121323	Soil	0.7	14.2	8.5	53	<0.1	14.0	6.5	272	2.28	5.9	2.1	3.8	14.4	10	<0.1	0.4	0.6	30	0.14	0.055
119452	Soil	1.2	16.0	11.2	55	<0.1	16.0	8.6	407	2.44	9.2	4.5	3.2	3.5	11	0.2	0.5	0.3	43	0.10	0.044
119453	Soil	0.9	16.8	9.9	52	<0.1	33.8	10.3	302	2.50	8.6	1.0	1.2	4.6	10	0.1	0.5	0.3	44	0.10	0.037
119454	Soil	0.8	23.3	11.4	66	<0.1	39.4	13.4	345	3.28	5.8	0.8	<0.5	5.5	13	<0.1	0.4	0.3	69	0.12	0.025
119455	Soil	0.7	31.7	15.9	95	<0.1	70.0	19.5	353	4.47	3.5	0.9	0.7	6.5	10	0.1	0.2	0.3	89	0.12	0.028
119456	Soil	0.8	28.8	9.4	49	<0.1	40.1	16.2	231	3.73	5.8	0.6	0.7	3.9	11	<0.1	0.3	0.2	74	0.09	0.036
119457	Soil	0.7	28.4	9.3	81	<0.1	48.2	21.4	405	4.43	4.3	1.3	<0.5	9.3	50	0.2	0.1	0.3	67	0.20	0.026
119458	Soil	0.9	15.0	10.4	45	<0.1	21.6	9.9	259	2.46	9.5	0.6	0.9	4.5	10	<0.1	0.6	0.2	42	0.09	0.025
119459	Soil	1.0	11.1	9.4	42	<0.1	15.3	12.7	741	2.61	6.0	0.6	<0.5	2.5	22	<0.1	0.4	0.4	61	0.15	0.036
119460	Soil	0.7	7.1	10.3	51	<0.1	14.6	8.3	335	2.30	4.1	0.4	0.9	3.1	34	<0.1	0.3	0.2	55	0.20	0.013
119461	Soil	0.3	40.1	7.5	63	<0.1	97.7	18.4	276	2.96	3.2	1.1	0.9	8.0	167	<0.1	0.1	0.2	44	0.63	0.045
119462	Soil	0.6	16.2	9.1	46	<0.1	25.1	10.4	244	2.63	5.2	0.7	<0.5	5.6	37	<0.1	0.2	0.2	40	0.16	0.017
119463	Soil	0.5	18.8	9.0	45	<0.1	20.0	7.7	200	2.24	7.4	1.1	1.4	6.9	20	<0.1	0.5	0.2	42	0.22	0.010
119464	Soil	0.2	24.2	10.6	65	<0.1	28.5	12.0	274	2.98	2.5	0.9	1.0	9.8	173	<0.1	<0.1	0.2	39	1.15	0.025
119465	Soil	0.6	18.4	12.9	57	<0.1	27.5	12.0	265	3.48	6.4	0.9	5.0	8.9	25	<0.1	0.3	0.3	48	0.19	0.026
119466	Soil	1.1	18.4	12.1	44	<0.1	17.6	7.4	189	3.09	7.7	1.0	1.7	2.0	20	<0.1	0.5	0.3	51	0.13	0.034
119467	Soil	0.7	28.5	11.4	66	<0.1	34.7	13.4	468	4.38	6.0	1.0	<0.5	5.5	117	0.2	0.3	0.3	70	0.42	0.058
119468	Soil	0.9	14.6	10.5	42	<0.1	14.9	6.6	158	2.44	7.1	0.9	0.8	1.7	12	0.1	0.3	0.2	57	0.13	0.033
119469	Soil	0.9	19.0	15.1	49	<0.1	24.0	8.8	221	3.11	6.4	1.1	0.8	3.8	19	0.1	0.4	0.3	59	0.16	0.030
119470	Soil	1.3	9.3	11.8	39	<0.1	10.9	6.9	192	2.94	9.3	0.5	<0.5	3.8	9	<0.1	0.6	0.2	60	0.08	0.023
116465	Soil	1.0	25.2	11.7	45	<0.1	32.7	16.9	228	4.91	3.9	0.9	<0.5	5.7	31	<0.1	0.2	0.4	56	0.09	0.042
116466	Soil	0.7	13.6	9.2	40	<0.1	14.8	6.5	142	2.35	7.3	0.6	<0.5	2.1	8	<0.1	0.4	0.2	48	0.07	0.023

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Page: 9 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
121315	Soil	25	17	0.40	97	0.067	<1	1.29	0.008	0.17	0.4	0.02	1.5	0.2	<0.05	7	<0.5	<0.2
121316	Soil	28	20	0.40	117	0.055	1	1.63	0.007	0.18	0.5	0.03	1.8	0.3	<0.05	6	<0.5	<0.2
121317	Soil	26	20	0.38	104	0.049	<1	1.61	0.007	0.12	1.3	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
121318	Soil	24	20	0.43	108	0.048	<1	1.62	0.006	0.10	0.8	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
121319	Soil	39	13	0.37	92	0.076	<1	1.58	0.007	0.29	2.4	0.02	1.9	0.5	<0.05	7	<0.5	<0.2
121320	Soil	37	15	0.37	90	0.057	<1	1.39	0.006	0.19	3.4	<0.01	1.9	0.3	<0.05	6	<0.5	<0.2
121321	Soil	17	23	0.44	150	0.038	1	1.85	0.007	0.08	1.3	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
121322	Soil	30	16	0.37	90	0.060	<1	1.37	0.007	0.15	21.7	<0.01	1.7	0.3	<0.05	6	<0.5	<0.2
121323	Soil	30	17	0.41	119	0.056	<1	1.53	0.007	0.15	6.3	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2
119452	Soil	13	23	0.40	134	0.045	<1	1.46	0.007	0.06	0.2	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
119453	Soil	12	55	0.62	112	0.038	<1	1.65	0.006	0.05	0.2	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
119454	Soil	13	65	0.93	158	0.130	<1	2.47	0.007	0.12	0.2	<0.01	4.1	0.2	<0.05	9	<0.5	<0.2
119455	Soil	13	109	1.64	231	0.281	<1	3.53	0.011	0.69	0.2	<0.01	6.4	0.4	<0.05	13	<0.5	<0.2
119456	Soil	11	54	0.86	152	0.148	<1	2.45	0.008	0.49	0.2	<0.01	5.2	0.3	<0.05	7	<0.5	<0.2
119457	Soil	21	75	1.00	368	0.275	<1	4.37	0.024	0.72	0.2	<0.01	8.4	0.5	<0.05	14	<0.5	<0.2
119458	Soil	12	24	0.46	161	0.050	<1	1.70	0.007	0.07	0.1	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
119459	Soil	9	24	0.49	147	0.098	<1	1.76	0.009	0.14	0.7	<0.01	2.3	0.2	<0.05	8	<0.5	<0.2
119460	Soil	10	25	0.43	152	0.079	<1	1.76	0.010	0.07	<0.1	<0.01	2.2	0.1	<0.05	7	<0.5	<0.2
119461	Soil	19	100	1.01	152	0.175	<1	3.43	0.076	0.33	0.2	<0.01	4.6	0.3	<0.05	10	<0.5	<0.2
119462	Soil	14	33	0.61	183	0.100	<1	2.10	0.009	0.18	0.2	<0.01	3.2	0.2	<0.05	6	<0.5	<0.2
119463	Soil	24	28	0.47	180	0.042	<1	1.52	0.008	0.03	0.1	0.02	4.0	0.1	<0.05	4	<0.5	<0.2
119464	Soil	35	51	0.58	147	0.095	<1	2.93	0.011	0.11	<0.1	<0.01	6.2	<0.1	<0.05	9	<0.5	<0.2
119465	Soil	20	39	0.51	135	0.065	2	2.14	0.015	0.04	0.1	0.02	3.4	<0.1	0.08	7	<0.5	<0.2
119466	Soil	14	31	0.39	135	0.053	<1	1.64	0.007	0.10	<0.1	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
119467	Soil	18	66	1.03	351	0.161	1	3.35	0.017	0.19	0.2	0.02	5.3	0.1	<0.05	14	<0.5	<0.2
119468	Soil	15	30	0.40	148	0.059	2	1.50	0.005	0.06	0.1	0.01	2.4	0.1	<0.05	7	<0.5	<0.2
119469	Soil	17	46	0.47	130	0.106	1	2.03	0.008	0.14	<0.1	0.01	3.2	0.1	<0.05	8	<0.5	<0.2
119470	Soil	11	25	0.27	115	0.045	1	1.56	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
116465	Soil	19	54	0.76	353	0.200	1	3.46	0.029	0.75	<0.1	0.03	4.1	0.5	0.16	10	<0.5	<0.2
116466	Soil	12	27	0.35	109	0.062	<1	1.44	0.005	0.11	0.2	0.02	2.1	0.1	<0.05	6	<0.5	<0.2

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Project: Burnham
 Report Date: August 03, 2011

Page: 10 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	Unit	MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
116467	Soil			1.0	8.7	11.3	38	<0.1	11.6	5.5	181	2.41	8.1	0.5	0.8	3.1	8	<0.1	0.5	0.2	51	0.07	0.029
116468	Soil			0.9	30.6	10.1	80	<0.1	35.3	19.0	337	5.28	5.9	0.9	2.0	4.5	13	0.1	0.4	0.3	64	0.10	0.054
116469	Soil			0.9	17.0	12.1	53	<0.1	16.5	7.7	180	3.19	9.2	1.1	1.4	5.1	10	<0.1	0.5	0.3	51	0.09	0.031
116470	Soil			0.8	22.2	9.2	61	<0.1	24.8	10.1	267	2.53	7.5	1.1	7.2	4.0	15	<0.1	0.5	0.2	41	0.19	0.067
116471	Soil			0.9	15.9	10.4	53	<0.1	17.5	8.0	205	2.62	7.0	0.9	2.6	3.9	10	0.1	0.4	0.2	46	0.10	0.034
116472	Soil			1.0	21.8	10.7	60	<0.1	23.2	9.5	251	3.06	8.3	1.0	2.3	3.8	12	<0.1	0.6	0.2	47	0.13	0.037
116473	Soil			0.8	21.8	10.4	58	<0.1	24.1	10.2	284	3.11	6.3	1.6	<0.5	3.5	13	0.1	0.3	0.3	42	0.11	0.043
116474	Soil			0.8	21.3	10.5	60	<0.1	25.5	8.4	187	2.96	5.8	1.5	2.1	3.8	24	<0.1	0.3	0.5	44	0.17	0.035
116475	Soil			0.7	26.5	11.4	221	<0.1	43.3	15.4	365	4.15	4.5	1.7	<0.5	7.1	88	0.2	0.2	0.4	57	0.46	0.048
116476	Soil			0.5	26.5	12.9	112	<0.1	37.9	17.9	376	4.23	3.3	1.5	<0.5	7.9	45	0.3	0.2	0.9	53	0.30	0.039
116477	Soil			0.6	19.6	10.2	86	<0.1	28.6	11.9	296	3.07	5.4	1.3	4.4	4.3	73	0.1	0.3	0.4	46	0.47	0.040
116478	Soil			0.6	15.6	8.6	70	<0.1	25.0	9.7	174	2.35	3.7	0.9	1.2	4.5	71	0.2	0.2	0.3	41	0.48	0.027
116479	Soil			0.4	23.0	11.7	63	<0.1	27.6	12.1	271	3.07	5.8	1.1	6.6	5.9	123	0.2	0.4	0.3	44	0.86	0.032
116480	Soil			0.5	24.7	13.1	71	<0.1	31.1	12.4	406	3.42	3.2	2.5	<0.5	11.0	97	0.2	0.2	0.3	51	0.68	0.047
116481	Soil			1.2	124.5	8.4	51	<0.1	218.2	40.9	336	4.70	7.0	0.6	1.1	4.9	35	0.2	0.4	0.6	77	0.65	0.221
116482	Soil			0.9	53.8	10.0	53	<0.1	55.6	19.2	258	3.59	9.7	0.4	2.7	3.6	11	<0.1	0.5	0.3	54	0.19	0.065
116483	Soil			0.8	19.5	10.1	53	<0.1	27.1	12.4	296	2.93	11.3	0.5	1.6	4.3	10	0.2	0.8	0.2	44	0.12	0.035
116484	Soil			0.5	47.4	7.5	66	<0.1	42.4	16.6	430	4.80	1.3	2.0	<0.5	12.4	26	<0.1	0.2	0.2	59	0.39	0.112
116485	Soil			1.1	14.8	11.3	67	0.1	20.8	10.9	291	3.55	9.3	0.6	1.2	4.6	11	0.2	0.6	0.2	67	0.11	0.068
116486	Soil			0.5	27.1	7.1	69	<0.1	33.2	14.4	216	4.31	3.6	1.4	<0.5	8.6	9	<0.1	0.2	0.3	57	0.08	0.063
116487	Soil			0.6	22.2	7.1	74	<0.1	26.4	9.1	239	3.78	1.0	1.7	<0.5	10.0	7	0.1	0.2	0.4	45	0.14	0.160
116488	Soil			1.0	18.8	9.5	55	<0.1	22.7	10.8	439	4.21	8.0	0.7	<0.5	3.9	21	<0.1	0.5	0.2	59	0.12	0.076
116489	Soil			0.6	37.7	13.1	74	<0.1	39.6	13.4	353	4.78	2.6	1.2	<0.5	5.5	8	<0.1	0.2	0.3	47	0.07	0.052
116490	Soil			0.8	50.4	16.0	80	<0.1	38.1	14.1	371	5.43	2.6	1.2	<0.5	4.9	8	<0.1	0.2	0.3	52	0.08	0.050
116491	Soil			1.1	15.9	10.8	80	<0.1	21.0	10.3	303	4.59	6.2	1.1	<0.5	4.4	18	0.1	0.4	0.2	62	0.38	0.258
116492	Soil			1.0	23.5	12.2	53	<0.1	20.2	12.6	232	3.27	4.1	1.7	<0.5	6.3	8	<0.1	0.4	0.2	40	0.05	0.035
116493	Soil			0.9	31.2	9.7	72	<0.1	22.3	12.0	316	5.26	1.5	1.5	<0.5	6.0	12	<0.1	0.2	0.3	45	0.03	0.033
116494	Soil			1.7	29.3	9.2	73	<0.1	27.0	10.6	321	3.84	4.0	1.2	1.2	6.7	14	<0.1	0.2	0.4	49	0.06	0.049
116495	Soil			0.8	34.7	11.2	73	<0.1	33.3	13.3	308	3.49	4.0	1.8	2.6	8.1	16	<0.1	0.2	0.4	48	0.13	0.042
116496	Soil			0.3	128.3	4.1	58	<0.1	165.1	31.4	543	2.74	1.7	0.3	0.6	2.4	36	<0.1	<0.1	<0.1	49	0.81	0.324

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Project: Burnham
 Report Date: August 03, 2011

Page: 10 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
116467	Soil	11	24	0.28	76	0.042	<1	1.38	0.004	0.06	0.1	0.01	1.9	0.1	<0.05	6	<0.5	<0.2
116468	Soil	12	63	0.97	297	0.224	2	3.09	0.015	0.98	0.2	0.02	6.2	0.5	<0.05	10	<0.5	<0.2
116469	Soil	17	31	0.38	140	0.057	<1	1.76	0.005	0.11	0.2	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
116470	Soil	17	27	0.44	135	0.066	2	1.57	0.007	0.13	0.2	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
116471	Soil	14	30	0.41	131	0.064	<1	1.61	0.006	0.13	0.1	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
116472	Soil	15	32	0.44	157	0.065	1	1.69	0.006	0.15	0.2	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
116473	Soil	17	32	0.45	156	0.072	<1	1.65	0.007	0.25	0.1	0.03	2.8	0.3	<0.05	6	<0.5	<0.2
116474	Soil	18	34	0.46	186	0.065	<1	2.12	0.010	0.14	0.2	0.04	3.3	0.2	<0.05	7	<0.5	<0.2
116475	Soil	22	56	0.89	234	0.156	<1	4.05	0.042	0.41	0.5	0.02	5.6	0.3	<0.05	13	<0.5	<0.2
116476	Soil	19	59	0.92	257	0.148	<1	3.50	0.021	0.38	0.4	0.02	5.2	0.4	<0.05	11	<0.5	<0.2
116477	Soil	21	39	0.54	306	0.086	<1	2.81	0.018	0.12	0.2	0.04	3.8	0.2	<0.05	9	<0.5	<0.2
116478	Soil	16	35	0.48	214	0.084	<1	2.29	0.018	0.09	0.4	0.03	3.6	0.2	<0.05	8	<0.5	<0.2
116479	Soil	24	35	0.44	200	0.062	1	2.28	0.028	0.06	0.4	0.05	4.0	0.1	<0.05	7	0.6	<0.2
116480	Soil	33	51	0.51	118	0.128	1	2.45	0.017	0.34	0.6	0.02	5.2	0.2	<0.05	9	<0.5	<0.2
116481	Soil	20	138	1.31	167	0.081	2	2.29	0.018	0.06	0.9	<0.01	3.8	<0.1	<0.05	7	<0.5	<0.2
116482	Soil	12	57	0.79	170	0.081	1	2.05	0.010	0.09	0.2	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
116483	Soil	12	39	0.45	138	0.057	<1	1.94	0.008	0.06	0.2	0.03	2.8	<0.1	<0.05	4	0.6	<0.2
116484	Soil	33	69	0.92	333	0.157	<1	2.38	0.007	0.57	<0.1	<0.01	6.4	0.3	<0.05	9	<0.5	<0.2
116485	Soil	13	36	0.42	145	0.066	2	2.15	0.006	0.09	0.2	0.03	2.8	0.1	<0.05	7	0.5	<0.2
116486	Soil	15	58	0.93	178	0.219	<1	2.45	0.010	0.75	0.2	<0.01	5.2	0.5	<0.05	9	<0.5	<0.2
116487	Soil	23	44	0.69	71	0.069	<1	2.14	0.005	0.21	0.2	0.01	1.9	0.2	<0.05	8	<0.5	<0.2
116488	Soil	12	35	0.52	151	0.124	1	1.81	0.007	0.39	0.2	<0.01	3.1	0.3	<0.05	7	<0.5	<0.2
116489	Soil	12	49	0.96	212	0.221	<1	2.81	0.014	0.97	<0.1	<0.01	4.0	0.6	<0.05	9	<0.5	<0.2
116490	Soil	11	58	1.01	252	0.276	<1	3.05	0.015	1.14	<0.1	<0.01	4.6	0.7	<0.05	10	<0.5	<0.2
116491	Soil	23	36	0.64	171	0.134	1	2.36	0.013	0.21	0.2	0.03	2.8	0.2	<0.05	9	<0.5	<0.2
116492	Soil	22	26	0.22	111	0.031	1	1.39	0.004	0.09	0.2	0.01	2.7	0.2	<0.05	4	<0.5	<0.2
116493	Soil	14	44	0.86	225	0.245	<1	2.76	0.011	0.99	<0.1	<0.01	4.5	0.7	<0.05	8	<0.5	<0.2
116494	Soil	17	38	0.68	133	0.115	<1	1.89	0.008	0.48	0.2	<0.01	3.2	0.4	0.06	8	<0.5	<0.2
116495	Soil	27	39	0.78	261	0.086	<1	1.95	0.007	0.34	<0.1	<0.01	4.0	0.3	<0.05	7	<0.5	<0.2
116496	Soil	16	294	0.95	179	0.133	<1	1.63	0.015	0.20	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2

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Page: 11 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
116497	Soil	1.0	21.6	8.9	53	<0.1	23.8	9.9	201	2.74	8.3	0.8	3.9	4.4	10	<0.1	0.4	0.2	47	0.10	0.029
116498	Soil	0.8	22.9	14.6	73	<0.1	33.0	14.5	401	3.36	8.7	0.9	2.1	7.3	30	<0.1	0.4	0.6	51	0.32	0.040
116500	Soil	0.9	25.7	8.6	51	<0.1	27.4	13.5	242	3.75	7.3	0.5	1.4	2.7	13	<0.1	0.5	0.2	69	0.09	0.032
116501	Soil	0.8	29.8	12.0	74	<0.1	40.2	24.9	312	4.29	3.7	0.6	1.5	1.7	36	<0.1	0.2	0.4	58	0.17	0.058
116502	Soil	2.0	38.5	9.0	79	<0.1	41.8	13.3	364	4.34	1.9	1.7	0.5	10.9	66	<0.1	0.1	0.3	62	0.51	0.068
116503	Soil	1.2	23.6	13.6	65	<0.1	30.7	16.0	352	4.41	8.4	0.6	0.8	3.2	10	0.1	0.4	0.2	68	0.08	0.061
116504	Soil	0.9	23.8	10.9	103	<0.1	46.7	21.6	463	4.78	7.7	0.9	<0.5	6.6	16	<0.1	0.3	0.3	71	0.13	0.055
116505	Soil	1.0	21.7	10.8	55	<0.1	26.7	10.3	264	3.00	12.2	0.8	1.0	5.3	12	<0.1	0.6	0.2	50	0.23	0.099
116506	Soil	1.2	16.9	10.2	43	0.3	18.8	9.0	187	2.90	6.3	0.7	0.8	3.8	17	<0.1	0.3	0.2	51	0.14	0.073
116507	Soil	0.9	29.4	12.7	62	<0.1	40.9	14.6	330	4.01	3.4	0.6	6.5	3.3	8	<0.1	0.2	0.5	45	0.10	0.047
117322	Soil	0.9	21.5	11.7	64	<0.1	27.8	11.3	291	3.38	7.4	1.6	1.2	6.6	20	<0.1	0.3	0.2	55	0.13	0.035
117323	Soil	1.1	15.6	12.2	76	<0.1	23.3	7.7	347	3.78	5.7	0.7	1.7	6.7	12	<0.1	0.3	0.3	81	0.07	0.028
117324	Soil	1.1	16.5	11.7	56	<0.1	21.3	8.3	243	3.15	7.3	0.9	4.6	4.8	12	<0.1	0.4	0.3	58	0.08	0.024
117325	Soil	1.0	28.2	14.1	72	<0.1	26.7	10.6	315	3.64	6.1	1.1	2.1	7.4	33	0.1	0.3	0.2	47	0.09	0.055
117326	Soil	0.9	17.3	10.9	51	<0.1	19.3	9.4	250	3.13	9.1	0.8	1.4	3.7	15	<0.1	0.5	0.3	46	0.10	0.031
117327	Soil	1.5	27.1	13.2	65	0.1	24.6	11.6	325	3.25	12.9	1.9	3.4	6.9	11	0.1	0.8	0.2	53	0.08	0.035
117328	Soil	0.4	35.9	10.6	85	<0.1	20.5	12.3	304	5.36	<0.5	2.9	2.3	11.0	62	<0.1	<0.1	0.4	51	0.44	0.035
117329	Soil	0.8	42.8	9.4	63	<0.1	36.9	17.3	300	4.81	3.0	1.2	1.5	5.1	31	<0.1	0.2	0.2	42	0.13	0.066
117330	Soil	0.5	41.3	9.1	34	<0.1	37.8	18.4	340	3.92	0.6	0.7	1.1	3.9	8	<0.1	<0.1	0.2	38	0.24	0.113
117331	Soil	0.3	14.7	32.6	51	<0.1	17.1	8.1	348	1.59	1.2	1.1	3.4	20.2	14	<0.1	<0.1	6.6	27	0.15	0.042
117332	Soil	0.5	25.8	9.5	93	<0.1	39.8	18.4	419	4.62	3.3	0.8	<0.5	4.1	14	<0.1	0.2	0.2	58	0.07	0.024
117333	Soil	1.1	42.9	13.2	93	<0.1	60.3	20.8	389	5.76	1.1	1.7	<0.5	6.1	11	<0.1	<0.1	0.3	56	0.14	0.074
117334	Soil	0.9	21.1	11.3	60	<0.1	21.4	10.2	347	2.91	10.2	1.0	3.0	4.4	12	<0.1	0.5	0.2	44	0.13	0.054
117335	Soil	1.2	16.7	11.2	50	<0.1	16.8	6.8	189	2.33	6.2	0.9	3.6	2.4	8	<0.1	0.4	0.2	38	0.05	0.039
117336	Soil	0.4	22.8	5.0	82	<0.1	24.1	13.2	337	3.33	1.2	1.0	1.3	8.2	6	<0.1	0.1	0.2	43	0.09	0.039
117337	Soil	0.6	33.1	11.4	82	<0.1	33.4	15.1	380	3.68	5.0	1.5	3.3	7.8	12	<0.1	0.3	0.3	45	0.10	0.041
117338	Soil	1.1	40.0	24.5	93	<0.1	38.9	22.4	333	4.91	0.6	3.4	1.1	16.1	24	<0.1	<0.1	0.6	25	0.16	0.067
117339	Soil	0.8	33.9	10.7	65	<0.1	29.4	22.9	508	3.25	0.9	1.2	1.1	5.0	15	0.1	<0.1	0.4	30	0.18	0.110
117340	Soil	0.7	54.1	16.1	56	0.1	15.4	6.6	695	3.87	0.9	2.1	3.8	0.6	110	0.3	<0.1	0.6	30	2.84	1.267
117341	Soil	1.4	43.6	12.1	64	<0.1	17.1	9.0	388	4.25	0.9	0.5	2.5	2.1	26	<0.1	<0.1	0.3	34	0.05	0.059

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Project: Burnham
Report Date: August 03, 2011

Page: 11 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
116497	Soil	11	31	0.54	181	0.064	2	1.79	0.006	0.12	0.1	0.01	2.6	0.2	<0.05	5	<0.5	<0.2
116498	Soil	15	47	0.72	259	0.112	<1	2.63	0.007	0.13	0.2	0.01	3.8	0.1	<0.05	8	<0.5	<0.2
116500	Soil	8	43	0.69	212	0.111	<1	2.26	0.009	0.43	0.2	0.01	5.1	0.2	<0.05	7	<0.5	<0.2
116501	Soil	6	51	0.83	337	0.191	<1	2.49	0.019	0.94	0.1	0.01	7.1	0.4	0.08	9	<0.5	<0.2
116502	Soil	38	55	1.48	275	0.210	<1	3.34	0.025	0.91	0.2	<0.01	7.7	0.4	0.22	12	0.7	<0.2
116503	Soil	10	53	0.82	245	0.138	<1	2.62	0.010	0.57	0.1	0.01	4.5	0.3	<0.05	10	<0.5	<0.2
116504	Soil	16	73	1.04	371	0.246	<1	3.52	0.012	0.98	0.2	<0.01	6.7	0.5	<0.05	13	<0.5	<0.2
116505	Soil	11	34	0.54	132	0.089	1	1.96	0.006	0.20	0.3	0.02	2.8	0.2	<0.05	6	<0.5	<0.2
116506	Soil	12	33	0.44	292	0.112	<1	1.64	0.008	0.41	0.2	0.04	3.0	0.2	<0.05	7	<0.5	<0.2
116507	Soil	10	45	0.93	243	0.204	<1	2.60	0.018	1.03	0.1	<0.01	4.1	0.6	<0.05	9	<0.5	<0.2
117322	Soil	24	44	0.66	185	0.133	1	2.56	0.012	0.31	0.2	0.03	4.7	0.3	0.05	9	<0.5	<0.2
117323	Soil	9	51	0.57	136	0.220	<1	2.08	0.006	0.39	0.2	0.02	5.1	0.3	<0.05	14	<0.5	<0.2
117324	Soil	12	34	0.48	123	0.094	<1	1.93	0.006	0.18	0.1	0.02	3.0	0.2	<0.05	9	<0.5	<0.2
117325	Soil	16	41	0.68	164	0.127	<1	2.64	0.020	0.51	<0.1	0.01	3.8	0.4	0.12	7	0.7	<0.2
117326	Soil	11	30	0.51	130	0.070	<1	1.90	0.009	0.22	0.1	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
117327	Soil	18	38	0.46	179	0.055	2	2.48	0.007	0.07	0.3	0.06	5.3	0.2	<0.05	6	0.6	<0.2
117328	Soil	34	51	0.78	69	0.199	<1	2.58	0.020	0.56	<0.1	<0.01	4.9	0.4	0.17	11	<0.5	<0.2
117329	Soil	15	39	0.81	225	0.156	<1	2.49	0.014	0.82	<0.1	0.01	4.0	0.6	0.07	7	0.5	<0.2
117330	Soil	21	41	0.77	192	0.152	<1	2.35	0.016	0.95	<0.1	<0.01	4.1	0.5	<0.05	7	<0.5	<0.2
117331	Soil	29	35	0.52	120	0.074	<1	1.51	0.007	0.22	0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	0.2
117332	Soil	9	59	1.01	269	0.232	<1	3.12	0.012	1.24	0.2	0.01	6.0	0.7	<0.05	11	<0.5	<0.2
117333	Soil	16	66	1.24	274	0.240	<1	3.80	0.018	1.30	<0.1	<0.01	5.9	0.9	<0.05	12	<0.5	<0.2
117334	Soil	14	29	0.51	200	0.058	1	1.62	0.006	0.15	0.3	0.03	3.6	0.2	<0.05	5	<0.5	<0.2
117335	Soil	15	23	0.33	103	0.035	<1	1.39	0.005	0.07	<0.1	0.04	1.7	0.1	<0.05	6	<0.5	<0.2
117336	Soil	16	45	0.80	284	0.187	<1	2.14	0.017	0.92	<0.1	<0.01	4.7	0.4	<0.05	8	<0.5	<0.2
117337	Soil	22	43	0.77	266	0.157	<1	2.53	0.013	0.71	<0.1	<0.01	4.4	0.4	<0.05	8	<0.5	<0.2
117338	Soil	47	29	0.53	124	0.015	<1	1.54	0.005	0.20	<0.1	<0.01	2.8	0.2	<0.05	5	<0.5	<0.2
117339	Soil	15	32	0.66	159	0.126	<1	1.94	0.012	0.72	<0.1	<0.01	3.0	0.4	<0.05	6	<0.5	<0.2
117340	Soil	13	34	0.81	255	0.045	<1	2.19	0.041	1.23	<0.1	<0.01	4.0	0.7	0.28	8	<0.5	<0.2
117341	Soil	7	40	0.92	219	0.228	<1	2.40	0.029	1.33	<0.1	<0.01	4.2	0.7	0.12	9	0.5	<0.2

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Project: Burnham
 Report Date: August 03, 2011

Page: 12 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
117342	Soil	0.8	53.2	32.9	86	<0.1	39.2	20.2	581	4.62	0.9	1.3	2.4	5.7	26	<0.1	<0.1	0.4	33	0.14	0.052
117343	Soil	0.6	57.6	14.6	71	<0.1	40.3	14.4	431	4.10	2.3	0.8	5.9	3.7	10	<0.1	0.2	1.1	34	0.06	0.024
117344	Soil	0.8	87.2	37.3	118	<0.1	60.9	29.1	898	4.48	<0.5	1.2	7.8	6.2	20	<0.1	<0.1	0.7	21	0.15	0.040
117345	Soil	0.4	42.0	11.6	128	<0.1	59.0	27.7	640	5.69	<0.5	1.7	7.1	7.5	26	<0.1	<0.1	0.4	37	0.17	0.061
117346	Soil	0.6	11.4	7.9	82	<0.1	43.4	17.1	504	4.24	3.6	0.9	9.4	4.7	21	<0.1	0.2	0.4	43	0.18	0.095
117347	Soil	0.4	28.7	9.2	73	<0.1	37.7	16.9	422	3.96	0.8	1.9	2.6	7.5	20	<0.1	<0.1	0.3	41	0.24	0.068
117348	Soil	0.6	35.5	10.7	72	<0.1	25.1	10.8	413	3.69	2.3	1.5	5.3	3.6	41	<0.1	0.1	0.7	37	0.06	0.048
117349	Soil	0.8	18.3	13.9	85	<0.1	41.1	18.2	458	3.31	10.3	2.2	3.0	14.5	7	<0.1	0.2	0.5	55	0.07	0.059
117350	Soil	0.9	18.4	12.1	60	<0.1	27.3	11.7	313	2.52	12.3	0.9	4.8	3.4	10	0.1	0.8	0.5	42	0.08	0.025
117351	Soil	0.9	30.0	10.1	70	<0.1	40.7	14.8	359	3.26	4.1	2.9	2.1	6.5	9	0.1	0.3	1.1	42	0.07	0.029
117352	Soil	0.8	23.8	10.0	62	<0.1	34.4	13.3	396	3.24	6.2	2.0	4.8	4.0	16	0.1	0.4	0.3	60	0.15	0.066
117353	Soil	0.5	74.8	9.4	99	<0.1	67.2	20.0	525	5.65	0.7	3.5	13.0	3.7	33	<0.1	<0.1	1.1	56	0.28	0.104
117354	Soil	0.9	29.1	11.2	62	<0.1	26.9	10.8	301	2.95	5.4	3.0	6.9	3.2	15	0.1	0.4	0.6	46	0.11	0.055
117355	Soil	0.8	21.8	11.4	68	<0.1	23.1	10.0	323	2.77	5.9	2.1	3.5	3.0	16	0.1	0.3	0.5	44	0.17	0.079
117356	Soil	0.8	22.2	10.3	60	<0.1	23.6	12.0	369	2.66	8.2	1.2	4.0	3.1	18	<0.1	0.5	0.4	45	0.22	0.090
117357	Soil	0.7	27.8	11.0	59	0.1	22.8	8.1	265	2.48	5.3	2.6	4.8	1.2	14	0.1	0.3	0.4	42	0.12	0.061
117358	Soil	0.8	22.7	11.3	68	<0.1	23.6	11.0	389	2.75	6.2	2.4	4.1	3.0	14	0.1	0.3	0.5	45	0.13	0.059
117359	Soil	1.1	20.8	10.6	58	<0.1	21.2	9.7	317	3.23	8.7	1.6	5.6	3.4	14	0.2	0.5	0.6	56	0.10	0.049
117360	Soil	1.1	19.9	12.3	54	<0.1	18.0	8.0	281	2.74	9.9	1.3	6.4	3.4	13	0.1	0.7	0.4	53	0.09	0.036
117361	Soil	0.6	24.2	9.4	87	<0.1	49.1	15.2	764	3.69	5.1	2.6	4.0	6.8	22	<0.1	0.3	0.3	52	0.08	0.046



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Page: 12 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000564.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
117342	Soil	20	40	0.80	274	0.066	<1	2.32	0.006	0.38	<0.1	<0.01	4.0	0.2	<0.05	8	<0.5	<0.2
117343	Soil	14	36	0.98	225	0.189	<1	2.52	0.017	0.98	<0.1	0.01	3.9	0.6	<0.05	9	<0.5	<0.2
117344	Soil	23	28	0.77	73	0.049	<1	1.91	0.005	0.37	<0.1	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
117345	Soil	23	48	0.90	185	0.142	<1	2.63	0.016	0.91	<0.1	<0.01	5.1	0.5	<0.05	8	0.6	<0.2
117346	Soil	14	44	0.91	169	0.179	<1	2.68	0.015	0.95	<0.1	<0.01	4.5	0.6	<0.05	9	0.6	<0.2
117347	Soil	15	45	0.79	133	0.153	<1	2.21	0.011	0.70	<0.1	<0.01	4.4	0.4	<0.05	8	<0.5	<0.2
117348	Soil	10	36	0.77	250	0.180	<1	2.05	0.018	0.92	<0.1	<0.01	3.8	0.6	0.14	7	<0.5	<0.2
117349	Soil	22	66	0.67	198	0.145	<1	2.51	0.011	0.64	0.2	<0.01	5.1	0.4	<0.05	9	<0.5	<0.2
117350	Soil	10	25	0.47	109	0.049	1	1.42	0.008	0.06	0.2	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
117351	Soil	14	37	0.62	129	0.129	2	1.66	0.012	0.44	0.2	0.01	3.4	0.3	<0.05	6	<0.5	<0.2
117352	Soil	17	50	0.78	215	0.116	<1	1.96	0.012	0.39	0.1	0.02	4.3	0.2	<0.05	9	<0.5	<0.2
117353	Soil	14	60	1.09	339	0.204	<1	2.80	0.024	1.09	1.0	<0.01	5.7	0.4	<0.05	10	<0.5	<0.2
117354	Soil	15	36	0.59	161	0.087	1	1.76	0.010	0.32	0.3	0.02	3.3	0.3	<0.05	6	<0.5	<0.2
117355	Soil	17	32	0.54	151	0.079	<1	1.61	0.010	0.24	0.4	0.02	2.9	0.3	<0.05	6	0.6	<0.2
117356	Soil	14	30	0.53	135	0.071	<1	1.42	0.009	0.14	0.3	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
117357	Soil	15	31	0.47	149	0.058	1	1.63	0.009	0.19	0.2	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
117358	Soil	16	32	0.53	140	0.085	<1	1.67	0.009	0.25	0.2	0.02	2.9	0.3	<0.05	6	<0.5	<0.2
117359	Soil	14	36	0.54	141	0.104	1	1.85	0.008	0.29	0.2	0.02	3.3	0.4	<0.05	7	0.8	<0.2
117360	Soil	15	30	0.47	140	0.078	2	1.76	0.008	0.16	0.2	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
117361	Soil	13	47	0.80	305	0.199	<1	2.96	0.010	0.58	0.2	<0.01	4.9	0.6	<0.05	9	<0.5	<0.2



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Project: Burnham
 Report Date: August 03, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000564.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
119441	Soil	1.3	17.9	11.0	62	<0.1	24.8	11.1	286	3.07	11.6	0.9	0.8	5.3	9	0.1	0.5	0.3	59	0.07	0.032
REP 119441	QC	1.2	18.2	10.2	60	<0.1	23.4	11.1	275	2.99	11.3	0.9	0.7	5.0	9	<0.1	0.6	0.3	58	0.07	0.030
119416	Soil	0.6	11.2	7.0	62	<0.1	20.8	10.7	244	2.60	3.8	0.7	0.6	3.2	26	<0.1	0.2	0.3	47	0.30	0.044
REP 119416	QC	0.7	11.0	7.2	59	<0.1	21.2	10.2	242	2.49	3.8	0.7	1.3	3.1	27	<0.1	0.3	0.3	47	0.30	0.044
119404	Soil	0.8	24.0	10.5	61	<0.1	25.9	9.7	182	2.64	14.5	1.2	2.0	5.7	18	<0.1	0.5	0.2	55	0.24	0.058
REP 119404	QC	0.8	24.8	10.5	62	<0.1	26.4	9.9	184	2.71	14.9	1.2	2.9	5.8	19	0.1	0.5	0.2	57	0.24	0.060
121275	Soil	1.0	42.7	9.5	77	0.1	28.3	13.0	418	4.20	4.2	2.5	3.2	3.2	19	0.1	0.2	0.5	51	0.09	0.052
REP 121275	QC	1.1	41.5	9.4	77	0.1	28.7	13.0	414	4.17	4.1	2.6	3.0	3.1	19	<0.1	0.2	0.5	50	0.10	0.053
110311	Soil	0.8	50.7	7.6	52	<0.1	23.0	10.5	260	2.37	8.7	0.5	4.0	2.6	10	0.1	0.5	0.1	45	0.17	0.055
REP 110311	QC	0.8	51.0	7.7	50	<0.1	23.6	10.4	260	2.37	8.7	0.5	2.7	2.6	10	0.1	0.5	0.1	44	0.17	0.056
103228	Soil	1.5	46.7	9.6	35	<0.1	19.3	7.8	218	2.48	9.7	0.4	1.5	2.0	10	0.1	0.6	0.1	50	0.10	0.037
REP 103228	QC	1.7	46.9	9.8	33	<0.1	22.0	7.8	219	2.50	9.7	0.3	5.8	2.0	9	<0.1	0.5	0.2	54	0.11	0.038
115454	Soil	1.1	36.7	10.9	75	<0.1	58.5	13.5	356	3.78	8.1	0.8	1.7	4.5	10	0.1	0.4	0.2	78	0.14	0.038
REP 115454	QC	1.1	37.7	10.4	78	<0.1	60.6	14.2	362	3.83	7.8	0.7	4.3	4.9	10	0.1	0.6	0.2	78	0.14	0.036
103256	Soil	0.5	18.5	8.5	52	<0.1	27.2	11.0	303	2.73	4.4	0.9	<0.5	5.8	35	<0.1	0.1	0.2	39	0.38	0.058
REP 103256	QC	0.6	18.2	8.7	53	<0.1	26.7	11.0	301	2.75	4.0	1.0	<0.5	6.1	38	<0.1	0.2	0.2	39	0.39	0.059
115467	Soil	0.9	20.6	7.1	46	<0.1	22.5	7.3	241	3.43	4.5	1.2	<0.5	5.6	6	<0.1	0.3	0.1	57	0.05	0.035
REP 115467	QC	0.7	21.0	8.1	46	<0.1	21.0	7.8	252	3.62	4.9	1.2	<0.5	6.0	6	<0.1	0.3	0.2	58	0.05	0.035
121288	Soil	0.8	15.3	10.9	51	<0.1	15.3	6.8	246	2.36	7.4	1.2	0.8	3.0	11	0.1	0.4	0.4	40	0.11	0.039
REP 121288	QC	0.7	14.8	10.5	49	<0.1	15.3	6.6	237	2.25	7.3	1.1	5.9	2.8	11	0.1	0.4	0.4	39	0.10	0.036
121302	Soil	0.7	21.7	8.9	52	<0.1	20.3	7.6	256	2.13	8.9	0.9	3.3	4.6	14	<0.1	0.6	0.2	40	0.13	0.036
REP 121302	QC	0.7	20.6	8.3	51	<0.1	19.6	7.5	258	2.13	8.9	0.9	6.2	4.4	14	<0.1	0.6	0.2	38	0.13	0.037
121309	Soil	1.1	25.6	11.4	63	<0.1	24.1	8.0	261	2.17	9.1	0.9	3.1	4.6	24	0.2	0.8	0.2	39	0.29	0.051
REP 121309	QC	1.2	26.4	11.7	67	<0.1	24.7	8.6	271	2.27	9.2	0.9	2.7	4.8	25	0.2	0.8	0.2	42	0.31	0.054
121321	Soil	1.2	13.9	11.5	58	<0.1	16.0	7.2	256	2.54	10.3	1.4	0.8	8.2	11	0.1	0.6	0.7	42	0.10	0.042
REP 121321	QC	1.0	14.1	11.3	59	<0.1	16.9	7.4	268	2.64	10.5	1.5	2.4	8.2	11	0.1	0.5	0.7	43	0.10	0.044
116470	Soil	0.8	22.2	9.2	61	<0.1	24.8	10.1	267	2.53	7.5	1.1	7.2	4.0	15	<0.1	0.5	0.2	41	0.19	0.067
REP 116470	QC	0.7	22.3	9.0	58	<0.1	24.4	10.1	278	2.58	8.3	1.1	4.1	4.0	15	0.1	0.5	0.2	41	0.20	0.065



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Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
119441	Soil	11	38	0.52	188	0.071	1	2.14	0.006	0.11	0.2	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
REP 119441	QC	11	36	0.48	186	0.072	1	2.11	0.006	0.10	0.2	0.02	2.9	0.1	<0.05	6	0.5	<0.2
119416	Soil	11	35	0.56	214	0.122	<1	1.70	0.009	0.18	0.3	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
REP 119416	QC	11	34	0.55	211	0.122	<1	1.63	0.009	0.18	0.3	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
119404	Soil	23	34	0.51	191	0.076	<1	1.61	0.009	0.12	0.2	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
REP 119404	QC	24	35	0.52	196	0.081	1	1.65	0.009	0.12	0.2	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
121275	Soil	14	46	0.76	212	0.151	2	2.17	0.016	0.69	0.2	0.02	3.8	0.5	0.10	8	0.6	<0.2
REP 121275	QC	14	45	0.76	212	0.152	3	2.16	0.016	0.67	0.2	0.02	3.9	0.5	0.11	8	<0.5	<0.2
110311	Soil	10	31	0.49	122	0.054	2	1.48	0.008	0.06	0.2	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
REP 110311	QC	10	31	0.48	121	0.053	2	1.47	0.008	0.06	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
103228	Soil	9	30	0.31	117	0.056	2	1.55	0.008	0.04	0.1	0.04	2.0	<0.1	<0.05	5	0.5	<0.2
REP 103228	QC	9	31	0.31	121	0.056	1	1.58	0.009	0.04	0.2	0.05	1.8	<0.1	<0.05	5	0.5	<0.2
115454	Soil	15	89	1.04	168	0.145	2	2.31	0.007	0.29	0.1	0.05	4.0	0.2	<0.05	7	<0.5	<0.2
REP 115454	QC	15	89	1.04	166	0.147	<1	2.29	0.008	0.29	0.2	0.06	3.8	0.2	<0.05	8	<0.5	<0.2
103256	Soil	17	37	0.52	165	0.052	<1	1.63	0.011	0.09	0.3	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
REP 103256	QC	18	37	0.53	167	0.054	<1	1.65	0.011	0.09	0.4	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
115467	Soil	11	33	0.40	141	0.134	<1	1.48	0.003	0.23	0.1	<0.01	2.3	0.2	<0.05	9	<0.5	<0.2
REP 115467	QC	12	34	0.40	139	0.133	<1	1.50	0.004	0.23	<0.1	0.02	2.3	0.2	<0.05	9	<0.5	<0.2
121288	Soil	15	24	0.37	109	0.041	1	1.38	0.005	0.10	0.2	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
REP 121288	QC	14	24	0.36	107	0.041	1	1.31	0.005	0.09	0.2	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
121302	Soil	14	24	0.37	243	0.052	<1	1.29	0.006	0.05	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
REP 121302	QC	14	24	0.37	244	0.051	<1	1.30	0.006	0.05	0.2	0.03	3.1	0.1	<0.05	4	<0.5	<0.2
121309	Soil	14	29	0.44	287	0.066	<1	1.30	0.011	0.07	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
REP 121309	QC	15	31	0.44	301	0.067	<1	1.34	0.012	0.07	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
121321	Soil	17	23	0.44	150	0.038	1	1.85	0.007	0.08	1.3	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
REP 121321	QC	18	24	0.43	149	0.040	<1	1.83	0.007	0.08	1.3	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
116470	Soil	17	27	0.44	135	0.066	2	1.57	0.007	0.13	0.2	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
REP 116470	QC	18	28	0.44	133	0.068	<1	1.57	0.008	0.14	0.2	0.02	2.9	0.2	<0.05	5	<0.5	<0.2

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.



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Project: Burnham
 Report Date: August 03, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000564.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
116481	Soil	1.2	124.5	8.4	51	<0.1	218.2	40.9	336	4.70	7.0	0.6	1.1	4.9	35	0.2	0.4	0.6	77	0.65	0.221
REP 116481	QC	0.9	121.9	8.1	47	<0.1	214.3	41.5	331	4.66	7.5	0.6	<0.5	5.0	35	0.1	0.4	0.7	76	0.69	0.220
116494	Soil	1.7	29.3	9.2	73	<0.1	27.0	10.6	321	3.84	4.0	1.2	1.2	6.7	14	<0.1	0.2	0.4	49	0.06	0.049
REP 116494	QC	1.5	28.7	9.4	71	<0.1	26.0	10.4	332	3.83	4.0	1.2	1.1	6.7	14	<0.1	0.2	0.3	49	0.06	0.048
117340	Soil	0.7	54.1	16.1	56	0.1	15.4	6.6	695	3.87	0.9	2.1	3.8	0.6	110	0.3	<0.1	0.6	30	2.84	1.267
REP 117340	QC	0.6	54.1	15.9	56	<0.1	15.8	6.6	687	3.88	0.8	2.1	3.8	0.6	108	0.4	<0.1	0.5	30	2.62	1.172
117358	Soil	0.8	22.7	11.3	68	<0.1	23.6	11.0	389	2.75	6.2	2.4	4.1	3.0	14	0.1	0.3	0.5	45	0.13	0.059
REP 117358	QC	0.8	22.5	11.3	68	<0.1	23.3	11.3	391	2.87	6.3	2.5	4.8	3.0	14	0.1	0.3	0.5	45	0.12	0.060
Reference Materials																					
STD DS8	Standard	13.1	119.0	122.6	320	1.7	39.7	7.9	639	2.54	28.5	2.8	110.1	6.8	71	2.6	6.2	6.7	44	0.69	0.084
STD DS8	Standard	13.9	120.6	122.5	327	1.8	39.7	8.1	646	2.58	28.8	2.9	108.8	6.8	72	2.8	6.4	6.6	47	0.73	0.088
STD DS8	Standard	15.7	122.5	128.9	323	1.9	43.3	8.7	651	2.58	25.7	3.1	123.7	7.8	67	2.4	5.3	6.4	49	0.77	0.073
STD DS8	Standard	15.3	117.7	123.2	312	1.7	40.9	8.3	630	2.50	25.5	2.9	107.7	7.5	67	2.1	5.3	6.3	47	0.74	0.073
STD DS8	Standard	12.0	110.2	126.7	312	1.7	37.9	7.5	596	2.42	25.8	2.7	118.9	6.4	64	2.1	6.0	6.8	41	0.63	0.079
STD DS8	Standard	12.1	106.3	122.9	310	1.8	35.7	7.3	588	2.38	25.3	2.8	112.7	6.5	66	2.4	5.8	6.6	41	0.64	0.078
STD DS8	Standard	13.3	114.7	123.8	319	1.8	38.9	7.8	621	2.50	26.1	2.5	109.9	5.9	59	2.3	5.2	6.2	41	0.66	0.077
STD DS8	Standard	12.8	107.0	125.4	310	1.8	38.2	7.3	599	2.43	25.4	2.5	118.0	6.1	58	2.1	5.2	6.2	40	0.63	0.075
STD DS8	Standard	11.6	98.4	109.6	294	1.6	35.0	6.9	550	2.25	24.1	2.5	129.0	6.2	64	2.0	5.5	6.0	38	0.60	0.070
STD DS8	Standard	11.1	94.2	107.9	281	1.6	32.5	6.7	534	2.17	23.0	2.4	90.5	6.1	60	1.9	5.3	5.8	37	0.60	0.067
STD DS8	Standard	12.3	105.8	126.7	305	1.8	37.0	7.6	611	2.42	25.6	2.8	110.9	6.6	65	2.1	5.4	6.4	42	0.68	0.074
STD DS8	Standard	12.9	101.3	122.0	299	1.7	35.0	7.0	612	2.34	25.7	2.7	107.1	6.6	66	2.4	5.2	6.1	41	0.68	0.076
STD DS8	Standard	11.5	100.8	119.3	288	1.6	34.7	7.0	569	2.30	24.6	2.7	109.2	6.3	60	2.3	5.7	6.7	40	0.63	0.077
STD DS8	Standard	12.0	102.9	123.4	295	1.7	36.0	7.2	576	2.32	24.9	2.6	101.1	6.4	62	2.3	5.4	6.8	40	0.62	0.081
STD DS8	Standard	13.3	113.7	128.7	324	1.8	39.2	7.7	597	2.52	27.6	2.8	110.9	7.0	69	2.1	5.8	6.4	43	0.73	0.080
STD DS8	Standard	14.7	117.2	130.6	330	2.0	40.1	8.2	644	2.59	27.0	3.0	122.7	8.3	71	2.4	6.0	6.3	43	0.74	0.084
STD DS8	Standard	13.4	110.7	130.1	302	1.7	38.9	7.8	607	2.47	26.5	3.0	98.7	7.4	69	2.3	5.7	6.9	43	0.70	0.079
STD DS8	Standard	14.1	110.9	127.9	308	1.8	39.0	7.3	622	2.48	25.6	3.0	119.5	7.4	69	2.2	5.8	7.0	43	0.71	0.081
STD DS8	Standard	12.2	112.3	115.0	318	1.8	38.6	7.7	596	2.43	27.0	2.5	114.4	6.0	58	2.2	5.3	6.2	41	0.65	0.080
STD DS8	Standard	12.8	107.4	112.5	305	1.8	35.2	7.4	592	2.35	25.9	2.4	111.2	6.1	57	2.4	4.9	5.9	40	0.63	0.077

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Page: 2 of 3 Part 2

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
116481	Soil	20	138	1.31	167	0.081	2	2.29	0.018	0.06	0.9	<0.01	3.8	<0.1	<0.05	7	<0.5	<0.2
REP 116481	QC	20	136	1.34	164	0.085	2	2.45	0.019	0.06	1.0	<0.01	4.0	0.1	<0.05	7	<0.5	<0.2
116494	Soil	17	38	0.68	133	0.115	<1	1.89	0.008	0.48	0.2	<0.01	3.2	0.4	0.06	8	<0.5	<0.2
REP 116494	QC	18	37	0.68	134	0.115	1	1.90	0.009	0.48	0.2	0.01	3.0	0.4	0.06	7	<0.5	<0.2
117340	Soil	13	34	0.81	255	0.045	<1	2.19	0.041	1.23	<0.1	<0.01	4.0	0.7	0.28	8	<0.5	<0.2
REP 117340	QC	12	35	0.81	259	0.048	<1	2.20	0.038	1.23	0.1	<0.01	4.1	0.7	0.27	8	1.2	<0.2
117358	Soil	16	32	0.53	140	0.085	<1	1.67	0.009	0.25	0.2	0.02	2.9	0.3	<0.05	6	<0.5	<0.2
REP 117358	QC	16	32	0.55	141	0.082	1	1.75	0.009	0.24	0.2	0.03	3.0	0.3	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	115	0.60	285	0.123	2	0.89	0.094	0.43	2.9	0.19	2.3	5.3	0.17	5	5.2	4.9
STD DS8	Standard	16	121	0.62	300	0.134	3	0.96	0.103	0.44	3.1	0.20	2.3	5.4	0.19	5	5.4	5.1
STD DS8	Standard	19	135	0.64	294	0.137	2	0.97	0.083	0.41	3.2	0.24	2.3	5.6	0.15	5	5.7	5.7
STD DS8	Standard	18	130	0.63	293	0.133	2	0.94	0.082	0.41	3.2	0.21	2.2	5.4	0.15	5	5.9	5.2
STD DS8	Standard	12	114	0.59	257	0.112	2	0.84	0.081	0.39	3.1	0.20	1.8	5.5	0.13	5	4.4	4.6
STD DS8	Standard	13	112	0.59	271	0.114	1	0.86	0.081	0.40	2.9	0.22	1.8	5.5	0.11	4	5.4	5.4
STD DS8	Standard	12	117	0.62	271	0.110	3	0.88	0.071	0.42	3.0	0.21	2.1	5.5	0.14	5	6.2	5.1
STD DS8	Standard	13	114	0.60	268	0.108	3	0.85	0.067	0.40	3.1	0.20	1.8	5.6	0.09	5	5.1	5.0
STD DS8	Standard	13	104	0.56	253	0.111	2	0.80	0.079	0.37	2.8	0.18	1.9	4.9	0.16	4	5.0	4.8
STD DS8	Standard	13	99	0.53	247	0.108	2	0.76	0.074	0.36	2.6	0.18	1.8	4.9	0.13	4	3.9	4.4
STD DS8	Standard	14	117	0.52	266	0.114	3	0.86	0.087	0.42	3.0	0.20	2.4	5.2	0.15	5	5.0	5.8
STD DS8	Standard	15	116	0.51	277	0.119	3	0.88	0.090	0.41	3.0	0.20	2.2	5.1	0.14	5	4.3	5.5
STD DS8	Standard	12	107	0.55	260	0.107	3	0.82	0.078	0.38	2.9	0.17	1.6	5.1	0.14	4	4.8	5.3
STD DS8	Standard	13	108	0.59	263	0.107	3	0.85	0.081	0.39	2.8	0.19	2.0	5.2	0.16	4	5.8	5.1
STD DS8	Standard	15	124	0.57	285	0.123	3	0.92	0.073	0.43	3.1	0.20	2.3	5.5	0.16	5	4.8	6.1
STD DS8	Standard	16	127	0.56	286	0.127	2	0.94	0.072	0.44	3.1	0.20	2.6	5.4	0.19	5	5.4	4.9
STD DS8	Standard	15	119	0.62	277	0.125	3	0.90	0.086	0.40	3.0	0.22	2.0	5.3	0.13	5	4.8	4.3
STD DS8	Standard	15	123	0.60	284	0.122	2	0.91	0.087	0.42	2.9	0.22	2.1	5.2	0.14	5	5.6	4.4
STD DS8	Standard	11	109	0.61	258	0.103	2	0.85	0.078	0.41	2.8	0.19	1.9	5.6	0.17	5	5.2	4.6
STD DS8	Standard	12	110	0.58	259	0.102	3	0.85	0.078	0.39	2.9	0.20	1.9	5.4	0.16	4	5.4	5.0



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Project: Burnham
 Report Date: August 03, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000564.1

		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	12.2	108.5	125.0	300	1.5	38.8	7.6	599	2.54	26.2	2.6	104.6	6.6	61	2.1	5.2	5.7	42	0.66	0.076
STD DS8	Standard	12.9	108.3	127.0	300	1.7	39.6	7.6	604	2.49	26.4	2.7	94.6	6.5	60	2.4	5.2	5.7	42	0.65	0.077
STD DS8	Standard	13.7	109.1	119.5	307	1.8	36.8	7.5	630	2.45	27.0	2.8	102.4	6.8	71	2.2	6.0	6.8	42	0.69	0.083
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Burnham

Report Date: August 03, 2011

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000564.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
STD DS8	Standard	13	115	0.57	256	0.112	3	0.81	0.083	0.38	2.9	0.21	2.2	5.3	0.16	5	5.8	4.3
STD DS8	Standard	13	117	0.57	269	0.115	2	0.89	0.084	0.40	2.9	0.17	2.5	5.4	0.21	4	6.3	5.5
STD DS8	Standard	16	116	0.62	285	0.126	2	0.90	0.091	0.42	2.9	0.19	2.2	5.3	0.16	5	5.3	5.2
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 13, 2011
Report Date: August 04, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000565.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 2011702105809-094117
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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: Burnham
 Report Date: August 04, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method Analyte	1DX15																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
117362	Soil	1.1	37.1	11.0	64	<0.1	26.8	10.2	341	4.11	6.3	4.2	7.6	7.1	19	<0.1	0.3	0.6	47	0.09	0.039
116508	Soil	0.7	36.5	11.4	57	<0.1	41.9	18.0	221	4.34	21.5	0.8	3.8	5.1	17	<0.1	0.3	0.2	63	0.19	0.061
116509	Soil	0.7	34.1	10.8	74	<0.1	40.8	14.8	278	4.23	5.7	1.5	2.9	8.4	20	<0.1	0.2	0.2	57	0.24	0.052
116510	Soil	0.5	30.4	10.2	81	<0.1	42.1	16.3	297	4.45	4.7	0.9	4.7	6.2	12	<0.1	0.3	0.2	59	0.14	0.062
116511	Soil	1.2	23.9	10.0	56	<0.1	25.8	10.3	210	2.96	10.3	0.6	5.1	4.6	15	<0.1	0.5	0.2	47	0.10	0.026
116512	Soil	0.8	47.8	11.1	65	<0.1	39.9	15.6	259	4.16	7.3	1.4	28.4	9.1	17	<0.1	0.4	0.3	77	0.20	0.045
116513	Soil	0.6	35.9	9.1	70	<0.1	86.4	18.1	242	4.19	3.9	0.9	3.1	6.0	17	0.1	0.2	0.2	70	0.22	0.062
116514	Soil	1.0	16.5	9.4	53	<0.1	17.6	7.2	278	2.60	9.4	0.8	4.4	3.6	11	0.2	0.5	0.6	46	0.15	0.065
116515	Soil	1.0	12.3	7.9	46	<0.1	13.6	4.6	157	1.58	5.9	0.8	2.9	0.6	16	0.5	0.4	0.3	33	0.19	0.051
116516	Soil	1.2	14.1	10.8	58	<0.1	17.5	8.4	361	2.59	10.8	1.1	4.0	1.3	14	0.2	0.5	0.4	49	0.18	0.082
116517	Soil	1.3	15.6	9.5	61	<0.1	18.4	8.0	335	2.42	8.1	1.3	7.2	5.0	14	0.3	0.4	0.3	42	0.23	0.081
116518	Soil	0.9	17.1	8.7	49	<0.1	16.7	5.2	187	2.22	8.6	1.5	5.4	2.5	14	0.1	0.4	0.7	43	0.18	0.058
116519	Soil	0.9	15.4	9.5	51	0.1	16.2	6.3	186	2.21	7.4	1.2	3.3	6.0	12	0.1	0.4	0.6	41	0.18	0.071
116520	Soil	1.1	20.9	10.8	61	0.2	19.2	6.9	228	2.68	9.8	1.7	4.6	3.2	16	0.2	0.5	1.2	48	0.20	0.062
116521	Soil	0.9	18.9	9.9	52	0.1	17.5	6.3	177	2.19	6.2	1.4	3.7	3.5	14	0.1	0.4	2.3	41	0.18	0.062
116522	Soil	0.9	16.5	10.2	52	0.1	16.8	7.0	229	2.18	7.2	1.5	2.8	5.3	15	0.2	0.4	0.9	40	0.20	0.066
116523	Soil	0.9	11.9	10.6	53	0.2	17.7	5.3	133	2.02	5.0	1.3	3.1	1.8	18	<0.1	0.3	0.6	33	0.22	0.066
116524	Soil	0.7	8.2	9.0	47	0.1	13.4	6.0	211	1.83	5.9	1.1	4.2	3.4	15	0.1	0.3	0.2	36	0.20	0.061
116525	Soil	0.9	9.5	8.5	44	<0.1	12.1	5.6	160	1.77	5.7	1.4	3.5	2.4	14	<0.1	0.3	0.2	36	0.19	0.052
116526	Soil	1.2	11.2	11.4	51	<0.1	12.2	5.8	261	2.26	5.2	3.2	2.8	7.4	10	0.1	0.2	0.7	33	0.23	0.107
116527	Soil	0.9	10.9	9.1	45	<0.1	11.8	4.2	126	1.80	4.6	1.9	3.5	2.4	12	0.1	0.3	0.5	30	0.16	0.065
116528	Soil	0.9	10.2	9.3	46	<0.1	12.2	4.9	142	1.87	5.1	1.7	7.2	3.7	11	<0.1	0.2	0.3	34	0.15	0.053
116529	Soil	1.0	12.1	9.1	44	0.2	10.3	4.8	211	2.03	5.4	2.4	2.7	2.3	9	0.2	0.2	0.4	36	0.11	0.063
117363	Soil	0.6	25.2	8.4	48	<0.1	24.7	10.5	351	3.47	3.7	2.8	1.4	11.4	17	<0.1	0.2	0.3	50	0.06	0.031
117364	Soil	1.0	25.6	8.2	67	<0.1	32.6	14.6	431	4.30	4.3	2.3	4.9	11.0	19	0.1	0.2	0.5	60	0.08	0.048
117365	Soil	1.4	25.3	9.0	91	<0.1	56.9	23.6	1127	4.21	4.3	2.7	3.2	9.0	7	0.2	0.2	0.7	55	0.06	0.042
117366	Soil	1.5	33.9	16.4	78	<0.1	44.9	12.3	482	2.88	2.8	7.5	3.0	15.3	10	0.2	0.1	0.8	18	0.10	0.028
117367	Soil	1.2	14.6	10.0	48	<0.1	21.0	7.0	193	2.33	3.7	3.0	4.1	6.4	17	0.1	0.2	0.5	34	0.23	0.041
117368	Soil	1.1	15.3	10.3	58	<0.1	30.1	11.0	276	3.39	4.5	1.3	2.0	6.9	13	<0.1	0.2	0.3	54	0.21	0.038
117369	Soil	0.8	62.3	14.4	83	<0.1	89.3	18.8	438	3.17	0.9	2.0	2.8	10.5	32	<0.1	<0.1	0.3	39	0.38	0.045

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Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
117362	Soil	20	45	0.73	241	0.177	2	2.20	0.011	0.63	0.3	0.02	6.4	0.6	0.08	8	<0.5	<0.2
116508	Soil	20	51	0.86	266	0.204	1	2.65	0.011	0.73	0.2	<0.01	7.0	0.4	<0.05	9	<0.5	<0.2
116509	Soil	21	58	1.02	273	0.203	1	2.61	0.011	0.80	0.1	0.01	6.2	0.4	<0.05	9	<0.5	<0.2
116510	Soil	12	61	1.04	244	0.244	2	2.97	0.011	1.13	0.1	0.01	5.7	0.6	<0.05	11	<0.5	<0.2
116511	Soil	12	35	0.57	209	0.099	2	1.77	0.008	0.21	0.1	0.02	3.4	0.3	<0.05	5	<0.5	<0.2
116512	Soil	17	52	0.87	278	0.197	1	2.40	0.013	0.48	<0.1	0.02	4.9	0.3	<0.05	10	<0.5	<0.2
116513	Soil	16	132	1.38	293	0.238	2	3.04	0.014	0.85	0.1	<0.01	6.1	0.4	<0.05	10	<0.5	<0.2
116514	Soil	14	22	0.36	104	0.047	2	1.32	0.008	0.07	0.4	0.04	1.8	0.1	<0.05	5	<0.5	<0.2
116515	Soil	17	19	0.29	194	0.027	<1	0.98	0.009	0.06	0.2	0.02	1.0	0.1	<0.05	4	<0.5	<0.2
116516	Soil	16	25	0.37	165	0.030	3	1.42	0.009	0.07	0.3	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
116517	Soil	21	24	0.38	160	0.058	2	1.37	0.008	0.12	0.3	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
116518	Soil	20	22	0.34	165	0.042	2	1.31	0.009	0.08	0.2	0.03	2.2	0.2	0.05	5	<0.5	<0.2
116519	Soil	19	24	0.37	161	0.051	3	1.44	0.007	0.08	0.3	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
116520	Soil	22	27	0.40	249	0.047	1	1.73	0.009	0.10	0.2	0.05	2.8	0.3	<0.05	6	<0.5	<0.2
116521	Soil	20	25	0.39	201	0.046	1	1.46	0.008	0.08	0.3	0.04	2.6	0.2	<0.05	5	<0.5	<0.2
116522	Soil	22	24	0.38	209	0.044	1	1.43	0.008	0.06	0.3	0.06	2.8	0.2	<0.05	5	<0.5	<0.2
116523	Soil	16	28	0.39	198	0.031	2	1.48	0.011	0.07	0.2	0.05	2.3	0.2	<0.05	5	<0.5	<0.2
116524	Soil	14	19	0.33	174	0.035	<1	1.23	0.008	0.05	0.3	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
116525	Soil	16	19	0.31	192	0.035	2	1.23	0.009	0.05	0.4	0.04	2.0	0.1	<0.05	4	<0.5	<0.2
116526	Soil	32	18	0.31	164	0.037	<1	1.42	0.007	0.12	0.4	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
116527	Soil	19	19	0.30	134	0.034	1	1.24	0.010	0.08	0.5	0.03	1.6	0.2	<0.05	5	<0.5	<0.2
116528	Soil	20	18	0.31	170	0.032	2	1.26	0.009	0.06	0.3	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
116529	Soil	20	19	0.28	108	0.031	<1	1.23	0.010	0.08	0.6	0.03	1.4	0.2	<0.05	5	<0.5	<0.2
117363	Soil	21	50	0.67	192	0.187	<1	2.40	0.014	0.54	0.2	0.01	5.5	0.4	<0.05	10	<0.5	<0.2
117364	Soil	24	57	0.83	247	0.221	<1	2.90	0.015	0.76	0.4	<0.01	6.9	0.6	0.06	10	<0.5	<0.2
117365	Soil	20	56	0.87	220	0.183	<1	3.26	0.007	0.61	0.3	<0.01	4.9	0.5	<0.05	11	0.5	<0.2
117366	Soil	35	18	0.12	35	0.012	<1	0.69	0.004	0.15	0.3	<0.01	2.7	0.2	<0.05	3	<0.5	<0.2
117367	Soil	18	26	0.44	81	0.068	<1	1.25	0.008	0.17	0.3	<0.01	3.0	0.2	<0.05	4	<0.5	<0.2
117368	Soil	15	49	1.00	159	0.178	<1	2.51	0.011	0.51	0.2	<0.01	4.5	0.3	<0.05	9	<0.5	<0.2
117369	Soil	18	77	0.84	115	0.115	<1	2.47	0.017	0.31	<0.1	<0.01	4.9	0.3	0.16	8	0.6	<0.2

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Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000565.1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
117370	Soil	0.5	28.6	3.2	124	<0.1	23.0	20.5	662	4.84	1.4	0.3	2.4	2.1	21	<0.1	<0.1	<0.1	38	1.02	0.327
117371	Soil	1.0	51.2	12.3	103	<0.1	62.8	26.3	417	4.96	1.0	2.8	0.9	12.9	34	<0.1	<0.1	0.3	72	0.51	0.086
117372	Soil	1.3	42.7	13.0	68	<0.1	19.5	10.4	233	4.32	1.0	1.6	0.7	6.9	38	<0.1	<0.1	0.6	44	0.12	0.040
117373	Soil	1.4	36.9	14.6	84	<0.1	33.9	14.1	286	4.26	1.5	2.1	2.4	11.7	37	<0.1	<0.1	0.4	52	0.26	0.060
117374	Soil	0.5	66.9	5.6	66	<0.1	80.7	26.0	420	4.81	1.0	0.6	3.1	3.6	39	<0.1	<0.1	0.1	109	1.24	0.296
117375	Soil	0.7	51.1	12.3	68	<0.1	33.6	13.2	265	5.26	2.5	0.8	2.0	3.5	26	<0.1	0.2	0.2	49	0.15	0.041
117376	Soil	0.3	112.4	3.4	44	<0.1	67.7	28.0	412	4.30	0.6	0.3	1.6	1.0	31	0.1	<0.1	<0.1	96	1.08	0.211
117377	Soil	0.5	47.8	9.7	61	<0.1	45.6	13.5	358	4.39	0.5	1.5	4.5	8.5	31	<0.1	<0.1	0.2	55	0.48	0.086
117378	Soil	0.9	29.1	8.4	68	0.1	28.2	9.3	320	2.86	8.4	0.7	2.8	4.3	23	0.4	0.7	0.2	44	0.38	0.077
117379	Soil	1.1	14.9	13.6	71	0.2	13.3	5.9	248	2.81	6.1	4.8	1.3	2.8	12	0.3	0.3	0.5	31	0.23	0.103
117380	Soil	0.7	9.6	11.4	63	<0.1	14.5	5.6	170	2.22	6.7	2.5	1.2	5.8	10	<0.1	0.3	0.3	36	0.21	0.082
117381	Soil	0.9	12.8	10.4	66	0.1	16.5	6.8	182	2.54	10.6	2.1	2.7	3.5	12	0.1	0.3	0.2	43	0.22	0.088
117382	Soil	0.9	8.9	9.9	58	0.1	13.3	4.6	121	1.93	5.7	1.9	7.5	3.6	10	0.2	0.3	0.3	30	0.20	0.083
105205	Soil	0.6	58.8	5.4	41	<0.1	63.3	12.1	204	2.64	4.4	0.3	2.0	1.2	8	<0.1	0.2	0.1	60	0.24	0.033
105206	Soil	0.3	70.2	4.6	42	<0.1	89.7	18.5	176	2.20	3.6	0.2	1.3	1.2	10	<0.1	0.2	<0.1	53	0.31	0.052
105207	Soil	0.3	60.3	2.9	37	<0.1	36.1	12.9	181	1.88	2.7	0.2	1.5	0.7	11	0.1	0.1	<0.1	48	0.29	0.044
105208	Soil	0.4	78.8	4.4	43	<0.1	44.2	13.7	173	2.09	4.1	0.3	1.0	1.3	14	<0.1	0.2	<0.1	49	0.25	0.038
105209	Soil	1.1	58.0	7.6	55	0.1	35.6	13.2	287	3.11	9.2	0.5	4.7	2.3	11	<0.1	0.5	0.1	54	0.19	0.043
105210	Soil	0.4	52.2	3.1	39	<0.1	28.2	9.6	160	1.70	3.3	0.3	2.3	1.7	12	<0.1	0.3	<0.1	40	0.27	0.037
105211	Soil	0.7	198.7	3.1	83	<0.1	46.3	22.5	419	4.96	2.5	1.0	5.7	6.3	12	<0.1	0.2	<0.1	115	0.48	0.134
105212	Soil	1.3	27.1	9.0	71	0.1	24.3	8.2	239	3.43	6.7	1.3	2.3	3.4	12	0.1	0.2	0.2	70	0.17	0.044
105213	Soil	0.8	33.2	6.6	61	0.2	23.7	8.1	205	3.06	3.7	1.2	1.6	2.1	13	0.1	0.2	0.2	71	0.16	0.041
105214	Soil	1.0	23.6	7.2	43	<0.1	25.3	7.8	209	4.19	2.5	1.3	3.1	3.1	13	0.1	0.2	0.3	59	0.08	0.059
105215	Soil	1.5	29.0	12.2	86	<0.1	45.9	15.1	323	4.97	3.3	1.8	3.6	4.4	16	0.1	0.2	0.4	52	0.13	0.055
105216	Soil	0.8	22.0	9.7	67	<0.1	29.5	12.2	310	3.51	5.9	1.5	5.1	4.4	14	0.2	0.3	0.3	42	0.13	0.051
105217	Soil	0.7	17.2	9.9	52	<0.1	17.4	7.6	213	3.13	4.8	1.9	3.2	2.5	10	0.1	0.3	0.3	36	0.11	0.054
105218	Soil	0.7	17.0	9.1	52	<0.1	18.5	7.5	205	2.26	5.1	1.6	2.1	2.4	11	<0.1	0.3	0.2	36	0.13	0.046
105219	Soil	0.8	14.9	11.3	67	<0.1	22.9	11.5	456	3.56	6.3	1.5	1.3	6.8	10	0.2	0.3	0.3	42	0.13	0.051
105220	Soil	0.8	19.0	10.1	73	<0.1	26.6	11.4	332	3.70	4.5	1.7	3.2	7.1	10	0.2	0.3	0.4	44	0.12	0.049
105221	Soil	1.2	14.5	11.4	58	<0.1	18.9	8.0	209	4.13	7.3	1.4	<0.5	5.9	12	0.1	0.3	0.4	58	0.11	0.030

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Page: 3 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
117370	Soil	13	16	1.20	319	0.232	<1	2.79	0.023	0.80	0.3	<0.01	5.8	<0.1	0.05	14	<0.5	<0.2
117371	Soil	29	84	1.03	305	0.227	<1	3.05	0.018	0.83	0.1	<0.01	7.7	0.4	0.07	11	<0.5	<0.2
117372	Soil	17	41	0.82	190	0.201	<1	2.52	0.021	0.89	<0.1	<0.01	4.6	0.7	0.23	8	<0.5	<0.2
117373	Soil	29	43	0.77	161	0.218	<1	2.81	0.015	0.80	<0.1	<0.01	5.2	0.5	0.14	9	<0.5	<0.2
117374	Soil	26	117	2.02	290	0.175	<1	2.73	0.068	0.89	0.1	<0.01	3.9	0.2	<0.05	10	<0.5	<0.2
117375	Soil	11	58	0.99	255	0.192	<1	2.50	0.014	0.92	<0.1	<0.01	5.3	0.4	<0.05	9	<0.5	<0.2
117376	Soil	14	202	1.31	268	0.100	2	1.78	0.045	0.35	<0.1	<0.01	4.7	<0.1	<0.05	7	<0.5	<0.2
117377	Soil	24	64	0.94	181	0.214	2	2.40	0.013	0.80	0.1	<0.01	6.8	0.4	<0.05	9	<0.5	<0.2
117378	Soil	12	28	0.51	306	0.064	2	1.11	0.016	0.11	0.2	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
117379	Soil	26	21	0.32	162	0.034	2	1.36	0.008	0.12	0.2	0.06	1.5	0.2	<0.05	6	<0.5	<0.2
117380	Soil	18	21	0.38	101	0.054	1	1.33	0.007	0.10	0.2	0.01	1.7	0.2	<0.05	5	<0.5	<0.2
117381	Soil	16	24	0.40	151	0.044	2	1.30	0.007	0.06	0.3	0.04	2.1	0.1	<0.05	4	<0.5	<0.2
117382	Soil	18	19	0.31	143	0.047	1	1.37	0.007	0.10	0.2	0.05	1.6	0.2	<0.05	5	<0.5	<0.2
105205	Soil	5	69	0.91	157	0.112	1	1.40	0.020	0.12	0.3	<0.01	2.5	0.1	<0.05	5	<0.5	<0.2
105206	Soil	5	79	1.07	126	0.127	1	1.68	0.021	0.14	0.5	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
105207	Soil	3	59	0.68	83	0.100	1	1.34	0.023	0.08	0.4	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
105208	Soil	6	57	0.69	129	0.097	2	1.56	0.021	0.10	0.8	0.03	2.4	0.2	<0.05	4	<0.5	<0.2
105209	Soil	10	43	0.63	147	0.070	1	1.78	0.014	0.08	0.6	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
105210	Soil	6	43	0.51	82	0.084	<1	1.26	0.020	0.05	0.3	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
105211	Soil	22	55	1.70	389	0.227	2	2.47	0.022	0.69	0.1	0.02	5.9	0.3	<0.05	9	0.6	<0.2
105212	Soil	18	43	0.71	206	0.111	<1	2.11	0.010	0.20	0.2	0.02	3.9	0.2	<0.05	8	0.6	<0.2
105213	Soil	13	44	0.87	285	0.130	<1	1.83	0.009	0.34	0.1	0.03	4.5	0.2	<0.05	7	<0.5	<0.2
105214	Soil	15	58	0.80	163	0.111	<1	1.91	0.013	0.48	0.1	0.02	3.8	0.2	0.09	8	<0.5	<0.2
105215	Soil	17	59	0.83	236	0.195	<1	2.61	0.015	0.88	0.3	<0.01	4.3	0.6	<0.05	10	0.7	<0.2
105216	Soil	17	32	0.59	144	0.100	1	1.77	0.010	0.32	0.2	0.02	2.7	0.3	<0.05	6	<0.5	<0.2
105217	Soil	17	25	0.45	108	0.065	<1	1.47	0.006	0.22	0.1	0.04	2.1	0.3	<0.05	5	<0.5	<0.2
105218	Soil	15	25	0.43	122	0.056	<1	1.37	0.006	0.15	0.2	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
105219	Soil	18	33	0.55	119	0.073	1	1.82	0.006	0.16	0.2	0.02	2.3	0.2	<0.05	6	0.7	<0.2
105220	Soil	19	36	0.63	128	0.106	<1	1.83	0.007	0.32	0.2	<0.01	3.0	0.2	<0.05	7	0.9	<0.2
105221	Soil	17	33	0.53	105	0.099	1	1.92	0.006	0.17	0.1	0.03	2.6	0.3	<0.05	8	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 4 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
105222	Soil	0.7	17.7	6.3	60	<0.1	50.3	24.4	570	3.29	2.4	1.3	0.6	6.7	8	<0.1	0.1	2.8	48	0.07	0.034
105223	Soil	0.7	31.2	9.7	74	<0.1	14.5	11.9	644	4.14	2.6	0.9	1.0	3.6	15	<0.1	0.2	0.3	36	0.08	0.042
105224	Soil	1.0	21.8	9.9	94	<0.1	57.9	14.3	330	4.22	4.1	2.0	<0.5	9.3	14	<0.1	0.2	0.3	57	0.21	0.059
105225	Soil	0.4	45.3	9.5	62	<0.1	13.1	6.4	523	4.33	0.5	1.3	1.2	4.6	66	<0.1	<0.1	0.5	37	0.23	0.104
105226	Soil	0.7	29.9	12.5	77	<0.1	33.2	10.9	287	4.52	2.3	2.0	3.1	8.7	19	<0.1	0.1	0.5	44	0.17	0.060
105227	Soil	1.1	6.4	11.1	59	<0.1	34.9	8.3	217	3.49	1.5	2.1	<0.5	10.3	2	<0.1	<0.1	0.1	72	0.02	0.036
105228	Soil	0.6	71.1	11.8	63	<0.1	37.0	15.8	816	5.21	0.9	2.0	<0.5	10.0	43	<0.1	<0.1	0.3	31	0.56	0.060
105229	Soil	0.7	10.3	14.6	58	<0.1	24.2	8.6	371	4.10	4.5	2.7	<0.5	11.7	4	0.1	0.2	0.2	53	0.07	0.065
105230	Soil	0.7	27.7	10.2	59	<0.1	27.0	9.0	227	3.58	3.7	2.2	1.5	9.9	8	<0.1	0.2	0.2	34	0.06	0.018
105231	Soil	<0.1	25.9	10.8	36	<0.1	60.1	14.0	249	4.63	<0.5	1.2	1.3	10.7	61	<0.1	<0.1	<0.1	54	1.06	0.028
105232	Soil	1.3	46.4	12.0	63	<0.1	48.6	22.4	574	5.13	4.1	1.7	1.5	13.2	40	<0.1	0.2	0.4	60	0.24	0.128
105233	Soil	1.0	31.1	12.6	84	<0.1	64.0	17.0	294	4.42	6.3	1.5	2.7	9.0	31	0.2	0.3	0.3	75	0.44	0.073
105234	Soil	0.8	34.7	12.7	105	<0.1	54.5	19.1	420	5.34	3.5	1.9	1.4	12.3	31	0.1	<0.1	0.2	77	0.44	0.108
105235	Soil	0.7	43.9	13.3	78	<0.1	63.2	24.5	549	5.29	3.0	1.5	0.7	11.8	55	0.2	0.1	0.2	105	0.87	0.118
105236	Soil	1.0	31.3	16.0	85	<0.1	38.5	12.9	232	3.96	7.3	2.2	1.4	12.0	14	<0.1	0.3	0.4	59	0.08	0.032
105237	Soil	0.8	43.3	12.1	72	<0.1	49.3	18.9	265	4.82	2.5	2.2	0.9	9.9	67	<0.1	0.1	0.4	67	0.23	0.066
105238	Soil	0.8	37.8	10.7	81	<0.1	59.5	16.0	238	4.02	2.6	3.0	1.1	12.9	83	<0.1	0.1	0.3	66	1.25	0.042
105239	Soil	1.0	41.5	10.6	71	<0.1	40.5	16.6	260	4.81	4.1	1.9	2.2	7.8	28	<0.1	0.2	0.4	59	0.17	0.072
105240	Soil	1.1	32.8	10.3	69	<0.1	31.7	14.7	268	4.15	5.8	1.6	<0.5	7.7	21	<0.1	0.3	0.3	57	0.14	0.050
105241	Soil	1.4	35.7	15.4	82	<0.1	48.4	17.3	228	5.23	4.5	1.8	1.5	10.2	12	<0.1	0.2	0.3	65	0.11	0.068
105242	Soil	0.3	21.3	6.1	54	<0.1	237.1	26.8	201	3.94	1.6	1.1	3.3	7.5	57	<0.1	<0.1	0.2	78	0.91	0.186
105243	Soil	0.4	53.8	9.2	34	<0.1	153.2	20.9	131	2.25	1.6	0.6	<0.5	3.1	69	<0.1	<0.1	0.1	46	0.66	0.239
105244	Soil	1.0	51.9	15.8	66	<0.1	121.1	24.2	220	3.85	1.2	1.2	1.5	7.2	78	<0.1	<0.1	0.2	79	0.75	0.174
120316	Soil	1.0	14.6	16.1	54	<0.1	20.6	6.4	154	2.39	9.0	2.4	1.1	4.1	6	<0.1	0.5	6.5	44	0.05	0.022
120317	Soil	1.0	13.2	12.0	100	<0.1	19.1	9.3	325	2.71	7.6	1.1	0.8	5.1	10	0.3	0.6	2.1	51	0.09	0.073
120318	Soil	1.0	64.3	12.3	75	<0.1	40.9	13.0	461	4.98	4.3	1.1	0.9	5.5	30	<0.1	0.2	0.4	56	0.06	0.059
120319	Soil	0.8	59.7	15.9	71	<0.1	21.3	9.2	417	5.26	2.1	1.3	0.9	3.5	45	<0.1	0.1	0.3	43	0.07	0.055
120320	Soil	0.9	15.6	10.6	59	<0.1	21.5	11.1	226	3.14	11.2	0.6	2.5	4.3	11	0.2	0.7	0.2	53	0.09	0.038
120321	Soil	1.1	19.5	10.2	56	<0.1	23.1	12.0	320	3.10	9.6	0.7	1.7	4.4	18	<0.1	0.5	0.2	56	0.20	0.055
120322	Soil	0.7	20.6	9.4	57	<0.1	23.4	12.3	359	2.75	9.4	0.8	4.7	3.7	17	<0.1	0.5	0.2	52	0.23	0.081

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Project: Burnham
 Report Date: August 04, 2011

Page: 4 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
105222	Soil	13	47	0.69	128	0.079	<1	1.86	0.007	0.25	<0.1	<0.01	3.0	0.2	<0.05	8	<0.5	<0.2
105223	Soil	12	36	0.71	144	0.112	<1	1.97	0.012	0.48	<0.1	<0.01	3.0	0.4	0.06	7	<0.5	<0.2
105224	Soil	22	54	0.78	171	0.113	1	2.55	0.009	0.37	0.1	0.02	4.5	0.2	<0.05	9	0.8	<0.2
105225	Soil	13	40	0.86	233	0.143	<1	2.13	0.023	0.92	<0.1	<0.01	4.9	0.6	0.29	8	<0.5	<0.2
105226	Soil	21	51	0.77	173	0.114	1	2.26	0.009	0.37	<0.1	0.02	4.1	0.2	<0.05	9	<0.5	<0.2
105227	Soil	22	69	1.19	60	0.092	1	2.37	0.007	0.21	<0.1	<0.01	6.9	0.1	<0.05	12	<0.5	<0.2
105228	Soil	31	37	1.07	325	0.152	1	3.17	0.010	0.66	<0.1	0.01	4.3	0.4	<0.05	10	0.8	<0.2
105229	Soil	30	41	0.64	107	0.123	<1	2.27	0.006	0.30	0.1	0.02	3.5	0.2	<0.05	10	<0.5	<0.2
105230	Soil	27	32	0.58	121	0.080	<1	1.93	0.005	0.11	<0.1	<0.01	2.6	0.1	<0.05	6	<0.5	<0.2
105231	Soil	23	81	2.33	81	0.167	1	3.61	0.005	0.06	0.1	<0.01	6.9	0.3	<0.05	13	<0.5	<0.2
105232	Soil	25	55	1.07	124	0.155	<1	3.05	0.010	0.49	<0.1	0.02	4.0	0.3	<0.05	10	0.7	<0.2
105233	Soil	21	92	1.12	175	0.182	1	3.52	0.008	0.29	0.1	0.02	4.6	0.3	<0.05	10	0.6	<0.2
105234	Soil	22	76	1.43	182	0.212	<1	4.18	0.010	0.50	0.1	0.02	5.5	0.3	<0.05	15	<0.5	<0.2
105235	Soil	21	102	1.59	206	0.285	1	4.86	0.013	0.45	0.2	<0.01	7.1	0.2	<0.05	16	0.7	<0.2
105236	Soil	20	53	0.87	159	0.105	1	2.73	0.009	0.28	<0.1	0.02	4.1	0.3	<0.05	9	0.8	<0.2
105237	Soil	38	85	1.30	243	0.192	<1	3.39	0.015	1.08	<0.1	<0.01	5.6	0.7	0.20	10	0.8	<0.2
105238	Soil	32	87	1.14	187	0.164	<1	4.30	0.009	0.43	<0.1	0.02	5.8	0.3	<0.05	13	0.5	<0.2
105239	Soil	23	58	1.05	183	0.141	<1	3.16	0.012	0.63	<0.1	0.01	4.6	0.5	0.07	9	0.6	<0.2
105240	Soil	20	53	0.85	152	0.119	<1	2.76	0.009	0.43	<0.1	0.02	4.0	0.3	0.07	8	0.6	<0.2
105241	Soil	21	60	1.02	118	0.089	<1	3.03	0.006	0.32	<0.1	<0.01	3.2	0.2	<0.05	10	<0.5	<0.2
105242	Soil	35	379	3.33	226	0.230	<1	3.97	0.012	0.19	<0.1	<0.01	5.4	0.2	<0.05	12	<0.5	<0.2
105243	Soil	17	281	1.84	73	0.118	<1	1.77	0.008	0.13	0.2	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
105244	Soil	17	172	1.86	234	0.270	<1	3.24	0.018	0.62	0.1	<0.01	5.2	0.4	<0.05	11	0.5	<0.2
120316	Soil	9	26	0.31	123	0.032	<1	1.90	0.005	0.06	0.4	0.05	2.0	0.2	<0.05	5	<0.5	<0.2
120317	Soil	14	24	0.32	157	0.038	<1	1.50	0.005	0.05	0.2	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
120318	Soil	21	60	1.22	250	0.209	<1	3.34	0.017	1.19	0.1	<0.01	6.5	0.6	<0.05	11	<0.5	<0.2
120319	Soil	12	48	0.87	228	0.133	<1	2.53	0.026	0.74	<0.1	<0.01	4.2	0.4	0.21	8	<0.5	<0.2
120320	Soil	12	36	0.52	144	0.062	1	2.15	0.005	0.08	0.2	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
120321	Soil	13	35	0.60	198	0.081	1	1.96	0.009	0.09	0.3	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
120322	Soil	13	34	0.58	175	0.065	1	1.85	0.008	0.06	0.2	0.02	2.8	<0.1	<0.05	5	0.7	<0.2

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 Report Date: August 04, 2011

Page: 5 of 12 Part 1

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
120323	Soil	0.6	28.2	8.8	53	<0.1	27.4	11.1	364	2.46	10.3	0.8	1.9	4.8	23	<0.1	0.6	0.2	46	0.31	0.076
120324	Soil	0.9	43.4	9.8	53	0.1	47.3	18.1	239	3.25	10.0	0.6	2.3	4.3	15	<0.1	0.6	0.2	68	0.20	0.071
120325	Soil	0.7	30.7	9.5	47	<0.1	54.1	15.2	208	3.10	8.2	0.4	0.8	3.2	15	<0.1	0.4	0.2	65	0.30	0.106
120326	Soil	0.8	29.9	8.9	49	<0.1	39.4	11.6	215	3.28	7.8	0.7	1.9	5.1	15	<0.1	0.4	0.6	61	0.21	0.060
120327	Soil	1.0	20.1	10.5	64	<0.1	29.7	15.0	260	3.86	12.6	0.9	1.6	5.8	15	<0.1	0.5	0.2	68	0.13	0.077
120328	Soil	0.7	34.6	7.1	54	<0.1	29.9	13.6	281	3.72	4.0	1.0	1.2	5.2	22	<0.1	0.3	0.2	60	0.12	0.071
120329	Soil	0.9	27.1	7.8	44	<0.1	30.4	15.2	342	3.08	4.2	0.6	0.6	4.4	33	<0.1	0.4	0.3	58	0.32	0.105
120330	Soil	0.8	25.4	9.6	62	<0.1	27.5	11.7	261	2.98	12.1	1.1	2.2	7.5	11	0.1	0.8	0.2	50	0.08	0.032
120331	Soil	0.7	25.9	6.6	55	0.2	29.0	13.2	572	3.59	4.4	0.8	0.6	5.2	24	<0.1	0.3	0.3	56	0.15	0.058
120332	Soil	0.8	31.7	7.5	54	<0.1	16.9	8.5	201	3.76	4.1	0.8	1.5	2.8	24	<0.1	0.3	0.3	39	0.10	0.036
120333	Soil	0.8	38.3	6.7	61	<0.1	27.3	12.0	229	4.13	5.2	0.8	0.5	3.2	32	<0.1	0.3	0.3	54	0.11	0.040
120334	Soil	0.9	17.8	7.6	54	<0.1	27.7	12.9	227	3.30	4.9	0.8	1.0	4.6	17	<0.1	0.4	0.3	53	0.12	0.024
120335	Soil	0.8	17.9	7.5	46	<0.1	20.9	11.4	195	2.96	5.6	0.7	1.3	3.7	16	<0.1	0.4	0.3	50	0.09	0.033
120336	Soil	1.1	25.0	7.9	44	<0.1	24.5	9.3	154	2.92	11.9	1.0	2.2	5.0	17	<0.1	1.0	0.3	51	0.11	0.032
120337	Soil	1.6	36.8	8.0	63	<0.1	17.3	8.4	205	3.68	3.8	1.3	2.0	5.1	20	<0.1	0.3	0.4	42	0.08	0.037
120338	Soil	0.8	21.7	8.7	59	<0.1	22.1	7.8	278	2.39	9.7	1.6	2.3	2.2	19	0.2	0.7	0.3	43	0.25	0.088
120339	Soil	0.9	17.9	9.1	52	<0.1	19.4	7.6	269	2.59	10.3	0.9	2.6	2.7	13	<0.1	0.7	0.2	43	0.18	0.071
120340	Soil	0.9	18.4	11.8	67	<0.1	19.1	7.2	273	2.63	10.4	2.8	3.4	4.0	13	0.1	0.5	0.4	41	0.16	0.067
120341	Soil	0.9	14.7	11.3	54	<0.1	14.2	5.6	236	2.52	9.3	1.7	2.5	2.1	8	0.1	0.5	0.4	39	0.09	0.051
120342	Soil	1.0	12.5	12.4	57	<0.1	15.0	6.8	290	2.73	11.0	2.0	2.1	6.4	8	0.2	0.5	0.4	38	0.11	0.061
120343	Soil	1.1	13.3	13.0	49	0.1	15.0	6.0	224	2.82	10.9	0.9	4.2	3.9	9	0.2	0.6	0.3	48	0.09	0.037
120344	Soil	1.2	8.0	11.8	52	<0.1	9.8	5.3	312	2.81	9.5	1.6	1.0	4.5	6	<0.1	0.4	0.4	44	0.06	0.042
120345	Soil	1.0	12.6	11.7	55	<0.1	17.2	7.4	270	2.74	11.3	1.0	1.2	4.2	9	0.1	0.7	0.4	49	0.07	0.033
120346	Soil	1.1	15.8	12.4	59	<0.1	15.8	7.1	374	2.59	10.0	5.9	1.9	2.4	9	0.2	0.6	0.4	45	0.09	0.048
120347	Soil	1.1	13.0	10.1	51	<0.1	16.2	6.3	232	2.66	12.6	1.4	2.6	2.4	9	0.2	0.6	0.3	47	0.09	0.049
120348	Soil	0.9	15.1	10.2	58	<0.1	18.2	7.7	261	2.56	10.3	1.3	1.7	6.3	8	0.1	0.8	0.4	39	0.10	0.050
120349	Soil	1.0	12.2	11.7	53	<0.1	13.3	5.8	222	2.60	9.8	1.7	2.6	2.5	8	0.2	0.5	0.5	39	0.10	0.053
120350	Soil	1.1	10.7	10.0	53	<0.1	13.3	5.2	223	2.51	9.8	1.7	1.1	3.1	8	0.2	0.6	0.6	39	0.09	0.052
120351	Soil	0.9	12.6	9.7	49	<0.1	14.1	5.6	245	2.44	9.6	1.4	8.0	3.9	8	0.2	0.5	0.7	39	0.09	0.051
120352	Soil	1.1	12.1	10.3	53	<0.1	13.5	5.5	245	2.31	9.0	2.2	1.5	2.0	8	0.1	0.5	0.5	38	0.10	0.063

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Project: Burnham
 Report Date: August 04, 2011

Page: 5 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
120323	Soil	15	32	0.53	259	0.063	<1	1.39	0.011	0.05	0.2	0.04	4.3	<0.1	<0.05	4	0.7	<0.2
120324	Soil	13	68	0.79	235	0.101	1	2.38	0.010	0.08	0.2	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
120325	Soil	12	110	1.16	177	0.165	1	1.97	0.011	0.12	0.2	0.01	2.1	0.1	<0.05	6	<0.5	<0.2
120326	Soil	15	71	0.72	163	0.133	<1	1.81	0.010	0.20	0.2	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
120327	Soil	13	40	0.59	173	0.104	2	2.28	0.006	0.28	0.2	0.01	3.1	0.2	<0.05	7	<0.5	<0.2
120328	Soil	12	46	0.82	300	0.196	<1	2.20	0.008	0.58	0.2	0.01	4.0	0.4	<0.05	8	0.5	<0.2
120329	Soil	12	45	0.59	195	0.114	<1	1.70	0.014	0.25	0.3	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
120330	Soil	15	35	0.51	146	0.084	<1	1.75	0.006	0.21	0.2	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
120331	Soil	12	43	0.74	222	0.179	<1	1.94	0.009	0.75	0.2	0.01	3.5	0.4	<0.05	8	<0.5	<0.2
120332	Soil	7	36	0.64	204	0.205	<1	1.93	0.016	0.91	0.1	<0.01	3.2	0.5	0.14	6	<0.5	<0.2
120333	Soil	9	45	0.80	216	0.228	<1	2.12	0.015	1.00	0.2	<0.01	4.0	0.6	0.07	7	<0.5	<0.2
120334	Soil	11	39	0.65	170	0.153	<1	1.87	0.007	0.53	0.2	0.01	3.0	0.3	<0.05	7	<0.5	<0.2
120335	Soil	11	33	0.61	182	0.133	<1	1.73	0.011	0.47	0.2	0.01	2.7	0.3	0.06	6	<0.5	<0.2
120336	Soil	14	37	0.46	140	0.123	<1	1.57	0.009	0.34	0.3	0.04	3.3	0.3	<0.05	6	<0.5	<0.2
120337	Soil	14	32	0.74	143	0.180	<1	1.90	0.016	0.78	0.1	<0.01	2.7	0.5	0.11	7	<0.5	<0.2
120338	Soil	14	24	0.43	195	0.041	1	1.30	0.008	0.06	0.3	0.03	2.1	0.1	0.06	4	1.1	<0.2
120339	Soil	11	22	0.38	152	0.037	<1	1.34	0.005	0.05	0.3	0.04	1.7	0.1	<0.05	4	0.7	<0.2
120340	Soil	17	22	0.37	159	0.035	1	1.54	0.006	0.08	0.2	0.03	2.0	0.2	0.05	5	1.0	<0.2
120341	Soil	14	21	0.32	91	0.028	<1	1.57	0.005	0.10	0.2	0.05	1.4	0.2	0.06	6	0.9	<0.2
120342	Soil	15	20	0.33	96	0.032	<1	1.65	0.005	0.09	0.2	0.03	1.6	0.2	0.05	5	1.1	<0.2
120343	Soil	9	23	0.34	93	0.029	<1	1.59	0.005	0.05	0.2	0.05	1.7	0.1	0.06	5	1.2	<0.2
120344	Soil	9	17	0.23	89	0.031	<1	1.62	0.006	0.13	0.3	0.04	1.1	0.3	0.06	6	1.1	<0.2
120345	Soil	9	24	0.36	140	0.037	<1	1.69	0.005	0.07	0.2	0.03	1.9	0.2	<0.05	6	1.0	<0.2
120346	Soil	16	21	0.31	158	0.032	<1	1.57	0.006	0.08	0.2	0.03	1.7	0.2	<0.05	6	0.8	<0.2
120347	Soil	10	21	0.32	155	0.033	<1	1.46	0.005	0.06	0.2	0.03	1.5	0.1	0.05	5	<0.5	<0.2
120348	Soil	10	22	0.36	110	0.049	<1	1.69	0.006	0.12	0.3	0.03	1.9	0.2	<0.05	5	0.7	<0.2
120349	Soil	11	20	0.30	94	0.041	<1	1.35	0.006	0.11	0.2	0.03	1.5	0.2	0.06	5	0.7	<0.2
120350	Soil	11	19	0.29	83	0.051	<1	1.25	0.005	0.13	0.3	0.02	1.4	0.2	0.05	6	<0.5	<0.2
120351	Soil	10	20	0.30	103	0.040	<1	1.41	0.006	0.11	0.3	0.03	1.5	0.2	0.05	5	0.6	<0.2
120352	Soil	11	19	0.30	102	0.030	<1	1.23	0.007	0.11	0.2	0.03	1.3	0.2	<0.05	5	1.3	<0.2

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Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
105245	Soil	1.0	22.8	16.8	42	<0.1	41.5	8.9	149	2.72	6.6	0.8	1.1	4.8	26	<0.1	0.3	0.3	58	0.15	0.025
105246	Soil	0.5	29.6	14.3	96	0.2	34.1	14.5	382	4.90	79.2	1.8	1.9	16.9	102	<0.1	<0.1	0.4	70	1.72	0.079
105247	Soil	0.9	13.9	10.1	58	<0.1	16.8	7.6	287	2.60	9.4	1.1	2.6	3.4	12	0.2	0.6	0.3	38	0.19	0.100
105248	Soil	0.9	8.7	12.6	58	<0.1	8.8	4.5	262	2.49	7.9	1.4	1.4	6.7	6	<0.1	0.3	0.5	25	0.15	0.088
105249	Soil	0.6	12.3	11.5	80	<0.1	13.7	7.3	326	3.44	7.2	1.5	<0.5	19.6	6	<0.1	0.3	0.6	23	0.06	0.036
105250	Soil	1.3	12.4	13.9	60	<0.1	16.2	6.1	232	3.16	10.2	1.0	5.2	4.5	9	<0.1	0.7	0.6	51	0.09	0.041
105251	Soil	0.9	17.5	9.7	56	<0.1	20.9	8.0	275	2.40	12.3	1.0	2.5	5.3	10	<0.1	0.7	0.3	38	0.12	0.056
105252	Soil	1.1	11.7	11.2	54	<0.1	13.8	4.8	208	2.58	7.6	2.1	1.9	6.2	7	0.1	0.5	0.4	41	0.10	0.043
105253	Soil	0.8	11.1	10.9	46	<0.1	12.7	6.3	258	2.23	8.2	1.7	3.2	4.6	9	0.2	0.4	0.2	44	0.10	0.038
105254	Soil	0.8	23.1	10.4	48	<0.1	20.7	9.1	421	2.27	10.9	4.6	1.7	5.6	12	<0.1	0.6	0.2	39	0.15	0.066
105255	Soil	0.9	15.1	11.8	65	<0.1	21.8	9.9	302	2.87	9.9	1.3	<0.5	6.9	9	0.1	0.5	0.4	45	0.10	0.038
105256	Soil	0.8	10.4	11.5	75	<0.1	9.0	5.1	238	2.75	4.5	6.3	1.2	21.7	7	<0.1	0.3	0.6	18	0.13	0.065
105257	Soil	0.9	8.5	10.0	71	<0.1	10.6	5.3	270	2.58	4.1	4.9	2.5	13.4	6	0.2	0.2	1.1	21	0.19	0.108
105258	Soil	1.1	13.3	13.5	64	<0.1	13.0	6.0	222	2.70	6.5	6.6	6.0	14.2	9	<0.1	0.4	0.5	27	0.11	0.064
105259	Soil	0.8	11.7	11.2	69	<0.1	12.6	6.0	269	2.78	7.6	4.3	2.5	15.6	7	<0.1	0.4	1.1	37	0.09	0.045
105260	Soil	1.0	14.1	10.3	53	<0.1	14.3	5.9	268	2.64	9.3	2.6	2.1	5.9	9	<0.1	0.6	0.6	42	0.10	0.045
105261	Soil	1.1	13.7	11.5	54	<0.1	14.1	7.0	267	2.37	7.7	2.7	2.2	5.8	11	<0.1	0.4	1.3	35	0.13	0.054
105262	Soil	0.8	30.4	200.0	61	<0.1	25.8	10.2	301	2.85	8.0	2.3	4.1	5.0	14	0.1	0.6	0.9	44	0.11	0.020
105263	Soil	3.2	43.1	16.9	86	<0.1	43.6	22.3	797	4.62	3.5	3.5	1.9	8.0	9	<0.1	0.3	2.8	37	0.06	0.039
105264	Soil	13.5	56.6	25.3	104	<0.1	43.8	17.6	888	4.39	9.3	2.6	1.5	8.8	15	0.4	0.7	6.4	37	0.18	0.051
105265	Soil	0.9	23.6	14.2	53	<0.1	23.4	10.0	265	2.46	10.2	1.3	3.9	6.6	11	0.2	0.7	1.2	39	0.11	0.022
105266	Soil	0.9	63.6	15.5	75	<0.1	41.2	13.4	382	3.70	9.2	1.6	3.2	8.7	21	<0.1	0.7	2.2	65	0.25	0.026
105267	Soil	0.6	49.9	17.3	107	<0.1	54.1	22.2	501	6.60	3.7	4.7	1.5	11.0	24	<0.1	0.2	0.5	68	0.36	0.093
105268	Soil	0.6	42.2	11.4	88	<0.1	96.1	24.8	491	5.30	2.0	1.9	<0.5	9.2	24	<0.1	0.1	0.4	95	0.43	0.083
105269	Soil	0.7	26.7	15.9	79	<0.1	33.4	14.3	325	3.86	5.6	2.4	0.5	9.0	9	<0.1	0.3	0.7	47	0.14	0.049
105270	Soil	0.6	24.0	12.3	65	<0.1	32.6	12.1	255	3.02	6.3	1.2	1.3	6.5	19	<0.1	0.4	0.3	52	0.22	0.017
120297	Soil	0.6	57.2	4.9	45	<0.1	54.0	9.1	144	1.73	5.3	0.4	1.6	1.3	14	<0.1	0.4	0.2	36	0.21	0.042
120298	Soil	0.8	55.4	6.9	43	0.1	42.4	7.4	160	1.87	6.4	0.5	2.2	0.5	13	0.1	0.3	0.2	40	0.16	0.049
120299	Soil	0.9	69.9	7.6	38	0.1	34.1	7.2	200	1.98	6.7	0.6	3.0	0.3	13	<0.1	0.3	0.2	45	0.16	0.048
120300	Soil	1.4	72.6	7.6	50	0.1	25.7	7.4	182	2.03	6.1	0.8	3.4	0.5	13	0.1	0.3	0.2	62	0.12	0.045

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Page: 6 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
105245	Soil	13	61	0.59	117	0.126	<1	1.73	0.006	0.12	0.1	<0.01	2.2	0.2	<0.05	8	0.6	<0.2
105246	Soil	43	71	1.06	169	0.219	<1	2.54	0.020	0.62	0.1	0.02	9.5	0.5	0.09	12	0.9	<0.2
105247	Soil	13	19	0.34	109	0.048	<1	1.44	0.006	0.10	0.2	0.02	1.5	0.2	<0.05	5	<0.5	<0.2
105248	Soil	13	14	0.27	68	0.033	<1	1.99	0.008	0.23	0.2	0.06	1.2	0.4	0.05	7	<0.5	<0.2
105249	Soil	22	15	0.32	154	0.101	<1	2.51	0.007	0.39	0.3	0.04	1.6	0.8	<0.05	10	<0.5	<0.2
105250	Soil	10	23	0.33	145	0.050	<1	1.90	0.007	0.09	0.6	0.03	1.9	0.2	<0.05	7	0.8	<0.2
105251	Soil	12	23	0.39	103	0.041	1	1.48	0.006	0.05	0.5	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
105252	Soil	13	19	0.30	96	0.039	<1	1.30	0.006	0.06	0.4	0.03	1.5	0.2	<0.05	6	0.8	<0.2
105253	Soil	13	21	0.33	133	0.042	<1	1.38	0.006	0.04	0.2	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
105254	Soil	18	22	0.37	134	0.049	<1	1.25	0.006	0.05	0.4	0.04	3.3	0.1	<0.05	3	<0.5	<0.2
105255	Soil	11	26	0.39	160	0.050	<1	2.00	0.006	0.08	0.4	0.03	2.2	0.2	<0.05	6	0.6	<0.2
105256	Soil	28	12	0.21	150	0.035	<1	1.55	0.006	0.18	0.6	0.02	1.8	0.5	<0.05	6	0.6	<0.2
105257	Soil	17	13	0.24	106	0.049	<1	1.72	0.006	0.21	0.5	0.01	1.6	0.4	<0.05	7	<0.5	<0.2
105258	Soil	30	17	0.24	119	0.017	<1	1.48	0.006	0.07	0.4	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
105259	Soil	18	21	0.30	119	0.049	<1	1.79	0.007	0.15	0.2	0.03	2.7	0.3	<0.05	7	0.5	<0.2
105260	Soil	10	21	0.28	111	0.032	<1	1.69	0.006	0.07	0.4	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
105261	Soil	11	19	0.29	172	0.038	<1	1.45	0.007	0.11	0.5	0.02	1.8	0.3	<0.05	5	0.6	<0.2
105262	Soil	15	29	0.50	244	0.057	<1	1.70	0.007	0.09	0.2	0.04	5.4	0.2	<0.05	5	<0.5	<0.2
105263	Soil	16	36	0.61	151	0.019	<1	2.08	0.005	0.09	0.2	0.02	4.1	0.2	<0.05	7	0.6	<0.2
105264	Soil	23	29	0.49	268	0.022	<1	1.48	0.006	0.09	5.3	0.02	4.3	0.2	<0.05	5	<0.5	<0.2
105265	Soil	11	25	0.38	160	0.033	2	1.62	0.006	0.05	0.3	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
105266	Soil	18	64	0.87	334	0.102	1	2.03	0.009	0.04	0.2	0.05	5.5	<0.1	<0.05	8	0.7	<0.2
105267	Soil	30	50	0.60	265	0.043	1	1.59	0.010	0.34	0.1	0.01	10.2	0.3	<0.05	6	1.6	<0.2
105268	Soil	18	144	1.90	299	0.284	<1	3.83	0.015	0.72	0.2	0.01	7.7	0.3	<0.05	14	<0.5	<0.2
105269	Soil	16	44	0.78	175	0.137	2	2.55	0.006	0.34	0.1	0.03	3.0	0.3	<0.05	8	<0.5	<0.2
105270	Soil	19	51	0.78	233	0.097	1	2.13	0.009	0.14	0.2	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
120297	Soil	7	52	0.58	107	0.051	2	1.00	0.013	0.06	0.3	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
120298	Soil	8	41	0.43	143	0.031	1	1.13	0.009	0.05	0.2	0.05	1.5	0.2	<0.05	4	0.5	<0.2
120299	Soil	8	43	0.42	152	0.027	1	1.18	0.008	0.04	0.2	0.05	1.3	0.2	<0.05	4	0.6	<0.2
120300	Soil	9	42	0.54	163	0.037	1	1.33	0.007	0.07	0.1	0.04	1.9	0.1	<0.05	5	1.0	<0.2



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

Project: Burnham
 Report Date: August 04, 2011

Page: 7 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
120301	Soil	1.4	45.2	8.5	44	<0.1	19.9	10.3	273	2.13	6.7	0.5	1.1	0.5	11	0.1	0.3	0.2	68	0.10	0.030
120302	Soil	1.7	46.5	7.7	57	0.2	23.4	7.2	167	2.39	5.6	0.9	1.0	0.9	15	<0.1	0.3	0.2	72	0.14	0.041
120303	Soil	1.3	38.5	7.4	53	<0.1	31.5	7.9	173	2.43	5.4	0.8	0.8	1.5	12	0.1	0.3	0.2	69	0.12	0.033
120304	Soil	1.7	44.0	8.0	62	0.1	27.5	9.5	269	2.52	6.0	1.0	2.0	1.8	15	0.2	0.3	0.2	75	0.14	0.034
120305	Soil	1.2	23.4	8.0	43	0.2	18.3	5.1	145	1.92	6.2	1.6	1.5	1.2	11	<0.1	0.3	0.2	45	0.12	0.040
120306	Soil	1.3	26.7	8.7	52	0.3	19.9	6.6	205	2.30	6.7	1.5	3.0	1.6	13	<0.1	0.3	0.2	59	0.13	0.033
120307	Soil	1.2	15.1	8.0	43	0.1	16.2	5.5	200	2.08	7.3	1.1	4.7	1.8	12	<0.1	0.4	0.2	49	0.12	0.032
120308	Soil	1.0	20.4	8.5	52	0.2	17.6	7.3	288	2.25	7.0	1.4	4.2	3.1	9	0.2	0.3	0.2	51	0.08	0.034
120309	Soil	0.9	14.6	8.8	50	<0.1	15.7	6.1	248	2.39	8.9	1.3	1.7	2.3	9	0.1	0.5	0.2	48	0.08	0.033
120310	Soil	1.0	8.7	10.2	47	<0.1	13.4	8.2	269	3.16	7.9	0.4	<0.5	2.0	9	0.1	0.5	0.3	57	0.07	0.034
120311	Soil	0.7	17.1	7.1	53	<0.1	17.9	8.4	235	3.86	7.5	0.8	2.2	4.8	9	<0.1	0.4	0.4	50	0.05	0.029
120312	Soil	1.6	40.6	12.9	70	<0.1	19.1	7.4	248	4.81	3.9	0.7	1.0	2.7	54	<0.1	0.3	0.9	57	0.03	0.057
120313	Soil	0.3	12.8	14.7	50	<0.1	22.6	7.8	269	2.82	2.1	1.1	0.8	10.4	5	0.4	0.2	0.2	45	0.05	0.090
120314	Soil	1.3	9.1	12.2	62	<0.1	20.9	8.9	285	3.57	11.0	0.6	<0.5	6.3	7	0.1	0.7	0.5	69	0.07	0.064
120315	Soil	0.5	20.0	13.6	71	<0.1	29.4	12.8	543	3.75	3.8	1.0	<0.5	9.3	5	<0.1	0.2	0.3	45	0.06	0.039
109241	Soil	0.9	18.3	9.8	59	<0.1	21.6	8.8	226	2.76	6.7	1.1	1.5	5.9	13	<0.1	0.3	0.3	44	0.11	0.042
109242	Soil	0.7	32.8	9.4	50	<0.1	17.5	8.2	197	2.48	5.5	1.2	1.1	3.4	22	0.1	0.3	0.2	45	0.21	0.055
109243	Soil	0.6	23.9	10.1	67	<0.1	24.6	11.9	278	3.00	7.9	1.3	1.0	5.2	83	0.1	0.3	0.2	52	0.53	0.039
109244	Soil	1.1	12.9	11.6	64	<0.1	21.6	10.9	256	3.14	8.8	0.6	1.5	4.6	9	0.2	0.5	0.3	60	0.07	0.033
109245	Soil	1.0	26.5	9.3	63	<0.1	35.8	13.9	217	3.17	6.9	0.9	1.8	6.2	16	0.1	0.6	0.2	44	0.13	0.022
109246	Soil	0.2	22.3	8.8	71	<0.1	31.2	13.7	479	3.86	2.1	1.8	<0.5	15.4	298	<0.1	0.1	0.3	51	1.10	0.032
109247	Soil	0.7	13.9	9.6	50	<0.1	20.9	8.5	295	2.32	6.6	0.9	5.6	3.8	18	<0.1	0.3	0.2	49	0.36	0.028
109248	Soil	1.1	12.1	11.1	45	<0.1	20.2	6.6	193	2.76	7.8	0.6	0.8	5.0	11	<0.1	0.5	0.2	51	0.09	0.026
109249	Soil	0.4	99.5	3.5	34	<0.1	378.6	35.4	157	2.70	2.5	0.2	<0.5	1.3	10	<0.1	<0.1	0.1	53	0.12	0.022
109250	Soil	0.5	32.4	6.9	46	<0.1	86.7	15.5	181	2.82	4.6	0.6	<0.5	4.0	12	<0.1	0.3	0.1	44	0.10	0.028
109251	Soil	0.6	25.9	11.6	43	<0.1	31.8	8.7	201	2.25	6.1	0.9	2.3	4.3	16	<0.1	0.4	0.2	43	0.10	0.018
109252	Soil	0.9	15.6	13.0	42	0.1	26.5	8.5	222	2.78	7.6	0.6	1.6	4.0	15	<0.1	0.3	0.3	51	0.11	0.035
109253	Soil	0.5	55.4	11.5	28	<0.1	47.1	16.6	438	3.65	0.7	0.8	1.5	4.1	25	<0.1	<0.1	0.6	33	0.12	0.039
109254	Soil	0.7	26.4	10.9	43	0.2	49.9	9.7	281	2.88	4.8	0.8	1.0	3.3	18	<0.1	0.2	0.4	45	0.11	0.036
109255	Soil	0.5	26.9	8.7	53	<0.1	31.4	10.7	252	2.58	5.1	1.0	1.0	7.1	24	<0.1	0.4	0.3	43	0.18	0.040

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Project: Burnham
 Report Date: August 04, 2011

Page: 7 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
120301	Soil	8	40	0.45	115	0.049	1	1.24	0.006	0.05	0.1	0.03	1.7	0.1	<0.05	6	0.6	<0.2
120302	Soil	8	43	0.64	204	0.070	1	1.74	0.010	0.10	0.1	0.04	2.5	0.1	<0.05	6	0.5	<0.2
120303	Soil	10	53	0.66	179	0.088	1	1.70	0.008	0.08	0.1	0.03	2.4	0.1	<0.05	6	0.5	<0.2
120304	Soil	12	48	0.68	208	0.075	1	1.64	0.009	0.09	0.1	0.03	2.8	0.1	<0.05	6	0.7	<0.2
120305	Soil	20	30	0.41	144	0.047	<1	1.31	0.006	0.07	0.1	0.04	1.8	0.2	<0.05	5	<0.5	<0.2
120306	Soil	19	36	0.56	162	0.063	1	1.50	0.008	0.08	0.2	0.04	2.3	0.1	<0.05	6	<0.5	<0.2
120307	Soil	16	34	0.42	131	0.059	<1	1.28	0.006	0.07	0.2	0.04	2.0	0.1	<0.05	6	<0.5	<0.2
120308	Soil	21	34	0.51	133	0.072	1	1.39	0.006	0.09	0.2	0.04	2.5	0.1	<0.05	6	<0.5	<0.2
120309	Soil	16	27	0.40	136	0.049	<1	1.39	0.005	0.07	0.2	0.02	2.4	0.1	<0.05	6	<0.5	<0.2
120310	Soil	9	28	0.35	145	0.056	1	1.79	0.004	0.09	0.2	0.03	2.0	0.1	<0.05	7	0.7	<0.2
120311	Soil	11	36	0.62	140	0.153	<1	2.14	0.008	0.49	<0.1	0.02	3.4	0.4	<0.05	8	0.7	<0.2
120312	Soil	9	37	0.67	158	0.201	<1	2.38	0.010	0.56	<0.1	0.02	2.6	0.5	<0.05	10	1.0	<0.2
120313	Soil	13	53	0.74	103	0.144	<1	1.93	0.009	0.34	<0.1	<0.01	3.4	0.2	<0.05	9	<0.5	<0.2
120314	Soil	10	41	0.55	106	0.086	<1	1.96	0.004	0.20	0.2	0.03	2.6	0.1	<0.05	8	<0.5	<0.2
120315	Soil	16	49	0.88	80	0.062	<1	2.48	0.005	0.22	<0.1	0.02	3.3	0.1	<0.05	9	0.5	<0.2
109241	Soil	16	34	0.47	142	0.072	<1	1.66	0.006	0.18	0.2	0.02	3.0	0.1	<0.05	6	0.9	<0.2
109242	Soil	17	26	0.40	129	0.065	<1	1.50	0.008	0.13	0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
109243	Soil	18	42	0.58	269	0.090	1	2.68	0.038	0.21	0.2	0.03	4.3	0.2	<0.05	9	0.5	<0.2
109244	Soil	10	38	0.42	181	0.086	<1	1.87	0.005	0.19	0.2	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
109245	Soil	13	38	0.64	177	0.086	<1	2.21	0.007	0.23	<0.1	<0.01	3.1	0.2	<0.05	7	0.6	<0.2
109246	Soil	51	63	1.01	214	0.233	<1	4.08	0.084	0.59	0.3	0.02	7.0	0.4	<0.05	12	0.6	<0.2
109247	Soil	13	32	0.62	203	0.030	<1	1.65	0.008	0.04	0.1	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
109248	Soil	12	41	0.44	123	0.036	<1	1.64	0.005	0.04	0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
109249	Soil	6	264	1.88	94	0.112	<1	1.87	0.006	0.04	<0.1	<0.01	1.7	0.1	<0.05	6	<0.5	<0.2
109250	Soil	11	109	1.20	167	0.083	1	2.00	0.006	0.16	<0.1	0.01	2.8	0.2	<0.05	6	<0.5	<0.2
109251	Soil	13	56	0.55	140	0.071	1	1.40	0.007	0.07	0.1	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
109252	Soil	10	42	0.49	150	0.061	1	1.49	0.007	0.08	0.1	0.01	2.1	0.1	<0.05	5	<0.5	<0.2
109253	Soil	18	47	1.08	171	0.121	<1	2.24	0.016	0.72	<0.1	<0.01	4.8	0.4	0.09	6	<0.5	<0.2
109254	Soil	13	76	0.78	149	0.085	<1	1.76	0.009	0.19	0.1	0.03	2.8	0.2	0.06	6	<0.5	<0.2
109255	Soil	18	45	0.65	146	0.099	<1	1.55	0.010	0.21	<0.1	0.01	3.0	0.2	<0.05	5	0.5	<0.2

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Page: 8 of 12 Part 1

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Method	Analyte	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
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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
109256	Soil	0.5	27.0	10.3	58	<0.1	37.2	12.4	232	3.22	3.9	1.2	1.9	9.1	17	<0.1	0.3	0.3	43	0.13	0.025
109257	Soil	0.6	21.6	10.6	53	<0.1	28.1	11.2	266	2.63	5.3	1.0	1.5	7.8	17	<0.1	0.3	0.2	40	0.13	0.019
109258	Soil	0.4	30.2	12.5	61	<0.1	35.2	11.9	416	3.16	4.3	1.2	1.8	12.4	108	<0.1	0.3	0.3	48	0.63	0.052
109259	Soil	0.3	29.6	12.7	63	<0.1	45.9	14.2	566	3.41	2.7	1.6	2.0	16.0	291	<0.1	0.2	0.4	47	0.94	0.055
109260	Soil	0.4	31.2	10.8	59	0.1	37.6	13.0	677	2.78	6.2	2.9	7.3	6.8	135	0.2	0.5	0.3	44	0.97	0.044
109261	Soil	0.6	45.5	10.4	48	<0.1	32.2	12.8	292	2.70	5.7	1.6	1.0	5.5	100	<0.1	0.4	0.2	46	0.81	0.055
109262	Soil	0.3	31.9	8.8	54	0.1	30.2	9.3	435	2.31	3.5	2.1	2.1	4.4	208	0.2	0.4	0.3	41	2.13	0.047
120353	Soil	1.1	12.0	11.4	66	<0.1	16.4	7.6	426	2.59	9.5	2.3	3.1	3.9	11	<0.1	0.6	0.5	43	0.16	0.065
120354	Soil	1.2	14.2	10.9	63	<0.1	16.1	7.9	384	2.42	8.0	5.3	1.2	2.9	14	0.2	0.5	0.4	42	0.15	0.067
120355	Soil	0.9	16.8	10.8	58	<0.1	16.8	7.1	272	2.60	9.6	2.2	2.1	4.7	11	0.1	0.5	0.4	47	0.12	0.047
120356	Soil	1.3	24.1	12.5	66	<0.1	30.2	11.0	354	2.93	7.3	3.1	2.2	7.3	13	0.1	0.5	0.5	56	0.12	0.029
120357	Soil	1.1	24.6	15.0	79	<0.1	44.0	14.0	355	3.99	7.3	0.9	1.9	5.9	15	0.1	0.3	0.3	78	0.12	0.040
109223	Soil	1.1	13.4	8.4	25	<0.1	11.9	4.2	100	1.51	4.0	0.8	0.9	0.4	10	0.1	0.3	0.3	35	0.08	0.053
109224	Soil	1.3	29.4	11.0	71	<0.1	47.5	19.2	415	3.92	4.1	1.1	0.8	7.7	12	0.1	0.2	0.3	76	0.17	0.060
109225	Soil	1.0	74.4	10.3	206	<0.1	223.1	35.0	370	6.81	2.3	1.9	<0.5	9.1	47	0.1	<0.1	0.9	82	0.22	0.056
109226	Soil	0.6	14.6	11.4	55	<0.1	21.8	9.6	317	2.65	5.8	1.1	3.5	4.4	92	0.2	0.3	0.3	49	0.41	0.045
109227	Soil	1.0	11.9	13.2	52	<0.1	20.0	9.2	284	3.33	9.9	0.7	1.4	5.8	16	<0.1	0.6	0.2	54	0.09	0.029
109228	Soil	1.0	16.1	12.2	57	<0.1	22.5	10.4	242	2.85	11.5	0.6	2.1	4.7	11	0.2	0.7	0.2	44	0.08	0.023
109229	Soil	0.3	55.7	6.4	82	<0.1	20.5	9.6	287	4.45	1.0	3.1	<0.5	6.6	48	<0.1	<0.1	0.6	46	0.07	0.044
109230	Soil	1.1	19.9	14.0	69	<0.1	27.6	12.0	232	4.06	11.7	0.6	1.1	4.4	11	0.1	0.5	0.3	61	0.06	0.032
109231	Soil	0.7	10.4	11.7	42	<0.1	13.9	5.5	165	2.37	14.1	0.7	2.0	2.5	10	<0.1	0.4	0.2	44	0.08	0.030
109232	Soil	0.9	17.1	12.8	52	<0.1	19.3	7.0	181	2.62	11.6	0.9	1.5	1.0	16	<0.1	0.4	0.3	48	0.13	0.043
109234	Soil	0.5	60.2	8.6	57	0.1	26.2	8.5	194	2.35	5.3	1.0	2.3	3.5	16	0.2	0.4	0.2	53	0.23	0.067
109235	Soil	1.0	15.8	10.8	52	<0.1	16.8	5.4	180	2.12	7.2	0.8	2.0	0.8	11	<0.1	0.4	0.2	47	0.11	0.040
109236	Soil	0.9	30.8	11.1	70	<0.1	26.2	9.8	381	2.38	9.2	1.1	3.1	4.4	18	0.1	0.7	0.2	44	0.20	0.061
109237	Soil	2.4	43.5	9.0	61	0.3	55.0	16.4	1014	2.47	4.4	13.1	7.2	1.3	61	0.2	0.5	0.2	54	0.93	0.074
109238	Soil	1.3	31.1	6.8	61	0.1	41.0	14.3	382	2.92	2.5	4.3	1.1	4.3	36	0.1	0.1	0.3	51	0.44	0.066
109239	Soil	0.8	16.5	11.5	45	<0.1	17.8	6.3	174	2.28	5.7	1.1	0.9	3.1	18	<0.1	0.2	0.3	42	0.14	0.027
109240	Soil	0.7	17.2	11.0	45	<0.1	18.5	5.8	163	2.09	5.3	1.1	0.8	3.2	20	<0.1	0.2	0.2	40	0.16	0.027
111426	Soil	0.7	23.0	10.1	54	<0.1	19.7	8.9	323	2.33	8.7	1.4	1.8	3.1	22	<0.1	0.6	0.2	40	0.21	0.038

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

Project: Burnham
 Report Date: August 04, 2011

Page: 8 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
109256	Soil	26	51	0.78	193	0.137	<1	2.05	0.010	0.37	<0.1	0.02	3.3	0.3	<0.05	6	<0.5	<0.2
109257	Soil	16	38	0.66	135	0.083	<1	1.78	0.008	0.15	0.1	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
109258	Soil	29	54	0.66	231	0.099	<1	2.53	0.037	0.18	0.1	0.03	5.3	0.2	0.05	8	<0.5	<0.2
109259	Soil	35	57	0.82	511	0.175	1	3.80	0.100	0.52	0.1	0.02	5.7	0.3	<0.05	11	<0.5	<0.2
109260	Soil	26	48	0.60	286	0.090	1	2.27	0.040	0.07	0.2	0.04	4.0	0.1	0.06	7	<0.5	<0.2
109261	Soil	23	42	0.51	152	0.081	<1	1.92	0.031	0.08	0.2	0.04	3.6	<0.1	0.07	6	<0.5	<0.2
109262	Soil	21	40	0.52	185	0.074	2	2.00	0.038	0.16	0.2	0.04	3.5	0.1	0.14	6	0.8	<0.2
120353	Soil	16	22	0.40	137	0.045	1	1.50	0.007	0.09	0.2	0.05	1.7	0.2	0.06	5	<0.5	<0.2
120354	Soil	15	22	0.39	146	0.044	1	1.36	0.006	0.08	0.2	0.03	1.9	0.1	0.07	5	<0.5	<0.2
120355	Soil	14	25	0.43	140	0.051	<1	1.52	0.006	0.07	0.2	0.04	2.2	0.2	0.05	5	<0.5	<0.2
120356	Soil	18	44	0.64	168	0.077	<1	1.87	0.008	0.09	0.2	0.02	3.2	0.2	0.05	6	<0.5	<0.2
120357	Soil	12	69	1.03	128	0.161	1	2.78	0.008	0.14	0.3	0.01	3.7	0.2	<0.05	10	<0.5	<0.2
109223	Soil	12	21	0.20	119	0.030	<1	0.95	0.005	0.05	0.1	0.08	0.8	<0.1	0.11	4	<0.5	<0.2
109224	Soil	15	78	1.06	200	0.193	<1	2.72	0.016	0.53	0.1	0.01	5.6	0.4	0.07	8	<0.5	<0.2
109225	Soil	33	600	4.02	431	0.323	<1	5.31	0.044	2.03	0.1	0.01	6.5	1.7	0.33	15	0.7	<0.2
109226	Soil	19	31	0.47	144	0.081	<1	2.51	0.038	0.17	0.2	0.03	3.3	0.2	0.07	9	<0.5	<0.2
109227	Soil	14	33	0.50	128	0.074	<1	2.06	0.008	0.12	0.2	0.04	2.9	0.1	<0.05	6	<0.5	<0.2
109228	Soil	12	28	0.48	123	0.062	1	1.96	0.007	0.08	0.2	0.04	2.4	0.1	<0.05	4	0.6	<0.2
109229	Soil	38	50	1.07	348	0.343	<1	3.00	0.028	1.46	1.0	<0.01	4.0	0.9	0.23	9	<0.5	<0.2
109230	Soil	12	46	0.62	156	0.130	<1	2.65	0.009	0.38	0.2	0.02	3.3	0.3	<0.05	7	<0.5	<0.2
109231	Soil	12	26	0.41	96	0.048	1	1.47	0.005	0.06	0.1	0.03	1.8	0.1	<0.05	5	<0.5	<0.2
109232	Soil	13	29	0.43	128	0.050	<1	1.50	0.006	0.14	0.1	0.04	1.6	0.2	<0.05	6	<0.5	<0.2
109234	Soil	14	34	0.61	305	0.056	<1	1.42	0.009	0.06	0.3	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
109235	Soil	12	28	0.42	114	0.036	1	1.31	0.006	0.04	0.2	0.05	1.3	0.1	<0.05	5	<0.5	<0.2
109236	Soil	16	30	0.52	203	0.054	<1	1.44	0.008	0.07	0.3	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
109237	Soil	60	36	0.48	293	0.053	1	1.79	0.011	0.07	0.2	0.08	2.8	0.2	0.06	5	1.3	<0.2
109238	Soil	26	51	0.76	248	0.165	<1	2.02	0.015	0.52	0.2	0.03	3.5	0.3	0.08	7	<0.5	<0.2
109239	Soil	16	28	0.44	171	0.091	<1	1.47	0.007	0.19	0.2	0.03	2.3	0.2	<0.05	6	<0.5	<0.2
109240	Soil	17	29	0.41	161	0.090	<1	1.35	0.007	0.18	0.2	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
111426	Soil	18	25	0.44	225	0.049	<1	1.35	0.010	0.08	0.2	0.04	2.6	0.1	0.08	4	<0.5	<0.2

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Page: 9 of 12 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
111427	Soil	0.6	27.1	10.1	66	0.2	33.5	13.3	512	2.77	7.2	1.2	2.0	5.8	119	0.2	0.4	0.3	39	0.58	0.052
111428	Soil	0.8	20.6	10.5	70	<0.1	23.3	12.3	719	2.46	8.5	1.0	1.6	1.3	73	0.2	0.5	0.2	40	0.65	0.078
111429	Soil	0.6	30.1	7.2	81	<0.1	31.1	12.1	427	3.30	6.1	1.3	2.0	9.9	30	0.2	0.4	0.2	58	0.23	0.046
111430	Soil	0.4	11.4	29.0	61	<0.1	20.8	11.6	544	3.48	4.8	1.4	2.1	12.4	83	0.4	0.1	0.3	31	2.94	0.075
111431	Soil	0.4	35.7	18.3	127	0.3	55.8	31.1	908	4.72	6.2	1.8	1.3	10.2	403	0.3	0.2	0.5	42	1.93	0.051
111432	Soil	0.6	26.9	11.4	70	<0.1	29.1	10.8	385	2.59	8.5	1.4	10.6	3.3	59	0.1	0.4	0.3	40	0.35	0.065
111433	Soil	0.6	17.2	10.6	55	<0.1	21.1	8.8	352	2.24	8.5	0.9	2.1	2.4	27	<0.1	0.5	0.2	39	0.18	0.054
111434	Soil	0.6	15.1	9.2	53	<0.1	17.8	6.9	204	2.11	7.7	0.9	2.6	1.7	22	<0.1	0.4	0.2	38	0.17	0.057
111435	Soil	0.4	14.3	7.2	56	<0.1	19.8	7.5	206	2.11	5.3	0.9	2.1	3.2	32	<0.1	0.3	0.2	36	0.30	0.047
111436	Soil	0.6	16.2	9.4	56	<0.1	20.0	10.5	457	2.28	6.6	1.1	2.0	2.3	33	<0.1	0.3	0.2	40	0.26	0.047
111437	Soil	0.5	27.8	13.9	76	0.2	30.3	13.1	584	2.85	5.1	2.6	4.3	4.2	68	0.2	0.2	0.3	38	0.88	0.055
111438	Soil	0.5	12.5	7.0	58	0.1	25.2	9.9	243	2.39	2.7	1.3	1.5	3.1	23	0.1	0.2	0.2	33	0.29	0.062
111439	Soil	0.5	17.2	9.5	52	<0.1	19.9	8.5	237	2.41	7.8	0.5	7.3	3.5	14	0.1	0.5	0.2	40	0.16	0.049
111440	Soil	0.6	17.5	9.1	48	<0.1	18.6	7.9	219	2.53	7.0	0.6	1.7	2.7	13	0.1	0.4	0.2	42	0.15	0.046
111441	Soil	0.1	119.2	2.4	59	0.2	34.5	28.0	618	4.47	1.0	0.2	<0.5	0.6	24	<0.1	0.1	0.2	104	0.80	0.071
111442	Soil	0.9	39.6	6.2	69	0.1	54.0	19.3	607	3.21	6.4	0.9	4.1	3.3	14	0.1	0.5	0.3	63	0.16	0.054
111443	Soil	0.7	29.5	8.2	66	0.4	53.6	8.7	157	2.24	5.2	0.9	4.0	1.8	18	<0.1	0.3	0.2	57	0.17	0.054
111444	Soil	0.7	18.2	7.8	37	0.1	15.4	4.4	166	1.67	6.1	1.6	1.9	0.2	15	<0.1	0.3	0.2	44	0.13	0.043
111445	Soil	0.6	13.4	8.0	39	<0.1	12.4	3.8	121	1.61	5.3	1.0	1.5	0.3	17	<0.1	0.3	0.2	41	0.15	0.033
111446	Soil	1.0	20.4	8.5	44	<0.1	19.0	6.6	392	2.01	7.8	1.0	2.1	1.1	22	0.1	0.4	0.2	47	0.21	0.048
111447	Soil	0.9	16.2	7.8	38	<0.1	12.7	4.3	166	1.75	6.2	0.7	1.8	0.5	12	0.1	0.3	0.2	46	0.11	0.031
111448	Soil	0.5	19.5	7.8	48	<0.1	16.9	8.9	344	2.08	7.4	0.7	1.6	2.3	11	0.1	0.4	0.1	39	0.12	0.047
111449	Soil	1.5	25.3	9.5	57	0.5	18.3	9.5	1195	1.94	5.5	11.0	1.2	1.8	19	0.2	0.2	0.2	45	0.23	0.040
111450	Soil	0.5	23.8	14.5	74	<0.1	15.1	4.8	310	1.66	2.7	1.9	1.1	10.2	13	0.1	0.2	0.2	27	0.18	0.027
111451	Soil	0.8	16.0	10.3	51	<0.1	17.7	8.4	288	2.39	10.3	0.8	3.1	3.4	11	0.2	0.5	0.2	41	0.11	0.044
111452	Soil	0.6	18.7	9.3	60	<0.1	19.1	7.2	287	1.89	5.1	1.5	2.0	5.9	9	0.2	0.4	0.2	29	0.12	0.050
111453	Soil	0.9	24.3	11.0	61	<0.1	24.4	11.3	439	2.60	8.9	0.8	2.4	5.3	11	0.2	0.5	0.2	42	0.11	0.053
111454	Soil	0.8	13.0	10.3	52	<0.1	20.9	7.4	270	2.19	8.1	0.8	1.4	1.9	12	0.1	0.4	0.2	39	0.12	0.057
111455	Soil	0.2	145.2	2.7	39	<0.1	13.0	8.9	278	1.83	2.3	1.2	2.0	1.4	11	0.1	0.1	<0.1	53	0.40	0.115
111456	Soil	1.1	40.8	7.7	74	<0.1	58.7	14.5	355	3.32	3.6	3.1	4.8	6.4	27	0.2	0.2	0.2	58	0.41	0.067

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Page: 9 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
111427	Soil	21	34	0.59	283	0.086	1	2.05	0.052	0.20	0.2	0.03	3.6	0.2	<0.05	6	0.5	<0.2
111428	Soil	14	26	0.46	215	0.031	2	1.74	0.015	0.04	0.3	0.05	2.3	0.1	<0.05	6	0.6	<0.2
111429	Soil	19	46	0.89	237	0.163	<1	2.33	0.015	0.49	0.2	0.02	6.3	0.3	<0.05	8	<0.5	<0.2
111430	Soil	24	29	0.26	48	0.030	1	2.19	0.010	0.02	0.7	0.04	2.8	<0.1	0.07	7	0.7	<0.2
111431	Soil	37	47	0.69	116	0.134	3	4.01	0.183	0.25	0.3	0.03	4.9	0.3	<0.05	11	0.5	<0.2
111432	Soil	20	27	0.52	125	0.046	1	2.23	0.025	0.05	0.3	0.04	2.8	0.1	<0.05	6	<0.5	<0.2
111433	Soil	14	23	0.41	114	0.036	<1	1.69	0.013	0.04	0.3	0.03	1.8	0.1	<0.05	5	<0.5	<0.2
111434	Soil	14	23	0.40	109	0.035	<1	1.56	0.010	0.04	0.3	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
111435	Soil	15	27	0.46	157	0.076	<1	1.47	0.014	0.11	0.2	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
111436	Soil	26	27	0.45	179	0.057	2	1.55	0.011	0.08	0.2	0.04	2.4	0.2	<0.05	6	<0.5	<0.2
111437	Soil	37	32	0.50	173	0.092	<1	2.14	0.019	0.25	0.2	0.06	3.6	0.3	0.08	7	<0.5	<0.2
111438	Soil	14	32	0.53	153	0.111	<1	1.70	0.009	0.29	0.2	0.08	2.8	0.3	<0.05	6	<0.5	<0.2
111439	Soil	11	24	0.47	106	0.057	2	1.47	0.007	0.07	0.2	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
111440	Soil	11	25	0.43	91	0.059	<1	1.43	0.006	0.07	0.2	0.05	2.1	0.1	<0.05	4	<0.5	<0.2
111441	Soil	3	58	0.97	91	0.010	<1	1.97	0.015	0.02	<0.1	0.03	14.7	<0.1	<0.05	6	<0.5	<0.2
111442	Soil	18	72	0.90	195	0.090	<1	1.83	0.011	0.09	0.1	0.03	5.3	<0.1	<0.05	5	0.8	<0.2
111443	Soil	11	73	0.84	257	0.078	<1	1.68	0.008	0.12	0.2	0.05	2.9	0.1	<0.05	6	0.6	<0.2
111444	Soil	17	23	0.36	178	0.022	2	1.28	0.007	0.05	0.1	0.04	1.2	0.1	<0.05	5	<0.5	<0.2
111445	Soil	16	21	0.34	180	0.027	<1	1.15	0.007	0.04	0.1	0.03	1.3	0.1	<0.05	5	<0.5	<0.2
111446	Soil	15	24	0.36	236	0.044	<1	1.16	0.009	0.05	0.2	0.03	2.0	<0.1	<0.05	5	0.6	<0.2
111447	Soil	12	22	0.34	115	0.039	<1	1.11	0.007	0.05	0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
111448	Soil	9	23	0.38	115	0.041	<1	1.37	0.007	0.06	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
111449	Soil	56	23	0.34	241	0.039	<1	1.27	0.008	0.10	0.1	0.03	2.4	0.1	<0.05	5	0.9	<0.2
111450	Soil	19	13	0.29	185	0.029	<1	1.24	0.008	0.11	0.3	0.02	2.2	0.2	<0.05	4	0.7	<0.2
111451	Soil	11	23	0.39	148	0.034	1	1.60	0.007	0.04	0.2	0.03	2.2	<0.1	<0.05	4	0.6	<0.2
111452	Soil	20	28	0.38	116	0.033	<1	1.21	0.006	0.07	0.2	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
111453	Soil	12	33	0.43	157	0.024	1	1.83	0.006	0.06	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
111454	Soil	12	36	0.43	140	0.024	<1	1.44	0.005	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
111455	Soil	5	15	0.40	199	0.064	<1	1.46	0.019	0.06	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
111456	Soil	24	77	1.05	269	0.166	<1	2.29	0.014	0.53	0.2	0.02	5.1	0.3	<0.05	8	<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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
111457	Soil	1.0	14.3	11.9	56	<0.1	14.1	7.5	303	2.64	9.2	1.2	2.0	5.3	10	0.2	0.5	0.3	47	0.09	0.051
111458	Soil	1.0	10.9	10.8	47	<0.1	13.8	5.1	203	2.66	9.2	1.2	0.7	5.7	7	0.2	0.5	0.3	40	0.06	0.038
111459	Soil	0.9	10.6	11.7	52	<0.1	16.0	7.9	252	2.42	9.6	1.0	1.4	5.1	10	0.1	0.6	0.3	40	0.10	0.038
111460	Soil	1.2	23.8	14.9	61	0.1	19.0	8.7	317	2.91	10.8	2.2	2.1	9.5	11	0.2	0.6	0.4	50	0.09	0.048
111461	Soil	0.9	14.3	9.4	57	<0.1	13.7	5.6	250	2.18	6.9	1.4	1.4	4.9	11	0.2	0.5	0.5	35	0.14	0.053
111462	Soil	1.2	11.5	11.9	48	<0.1	15.4	6.9	214	2.84	11.0	0.7	2.0	4.2	8	0.1	0.6	0.3	58	0.08	0.039
111463	Soil	1.2	17.9	14.6	71	<0.1	26.7	12.9	398	2.94	13.3	1.1	1.8	4.8	12	0.2	0.7	0.2	48	0.15	0.055
111464	Soil	0.9	13.9	9.1	59	<0.1	15.8	7.3	278	2.52	6.8	1.8	5.2	12.8	9	<0.1	0.4	0.2	37	0.17	0.062
111465	Soil	0.7	13.9	8.9	61	<0.1	16.3	7.4	279	2.27	6.4	1.1	2.2	11.4	12	0.1	0.4	0.1	35	0.21	0.072
111466	Soil	0.8	12.0	8.8	49	0.1	14.3	5.1	138	2.05	6.6	1.0	1.4	3.9	10	<0.1	0.4	0.2	39	0.14	0.058
111467	Soil	1.3	12.8	11.5	48	<0.1	13.8	5.0	161	2.52	7.7	1.8	1.8	1.0	11	0.2	0.5	0.2	45	0.12	0.054
111468	Soil	1.6	6.2	13.4	51	<0.1	7.5	6.0	340	2.37	3.5	8.7	0.7	27.2	6	0.2	0.2	0.5	11	0.14	0.092
102101	Soil	0.7	24.1	6.4	55	<0.1	31.6	10.8	235	3.61	7.5	1.0	0.9	4.1	7	<0.1	0.4	0.1	54	0.07	0.023
102102	Soil	1.3	28.4	9.6	50	<0.1	23.7	8.3	323	2.91	5.4	1.6	1.5	1.0	11	0.2	0.3	0.3	48	0.12	0.080
102103	Soil	0.2	19.9	12.6	75	<0.1	32.7	13.8	321	3.88	0.6	3.4	0.7	5.5	18	<0.1	<0.1	0.2	41	0.27	0.083
102104	Soil	0.7	26.9	9.6	69	<0.1	59.6	21.0	483	4.05	0.7	3.1	0.8	5.1	7	<0.1	<0.1	0.4	56	0.06	0.045
102105	Soil	0.7	44.5	8.9	69	<0.1	40.1	18.8	448	4.15	0.7	0.9	0.6	2.5	25	<0.1	<0.1	0.3	50	0.46	0.207
102106	Soil	0.8	48.6	5.6	65	0.1	9.8	5.6	490	4.39	1.5	1.3	0.6	2.9	19	<0.1	<0.1	0.4	30	0.08	0.043
102107	Soil	0.9	39.7	10.0	65	<0.1	45.4	26.5	342	3.60	4.6	1.2	2.5	3.9	24	<0.1	0.2	0.3	66	0.42	0.162
102108	Soil	0.4	36.1	6.8	55	<0.1	24.5	9.9	320	3.75	1.3	0.7	0.8	2.2	16	<0.1	<0.1	0.4	31	0.11	0.063
102109	Soil	0.7	38.4	8.3	71	<0.1	34.9	17.2	435	3.78	3.1	1.2	1.5	4.8	18	<0.1	0.2	0.3	45	0.16	0.069
102110	Soil	0.3	89.0	4.1	52	<0.1	25.5	20.2	145	3.43	2.2	3.6	1.5	4.3	24	<0.1	0.1	0.2	95	0.74	0.318
102111	Soil	0.5	61.3	6.2	61	<0.1	30.5	19.9	330	3.71	3.9	2.4	1.0	3.7	29	0.1	0.2	0.8	72	0.68	0.271
102112	Soil	0.5	49.1	9.8	115	<0.1	54.7	20.0	770	4.03	3.3	3.4	1.0	9.4	17	0.1	0.2	2.5	45	0.31	0.090
102113	Soil	0.8	39.3	7.6	72	<0.1	50.3	21.4	555	3.98	5.1	1.2	1.1	3.9	13	0.1	0.3	0.4	56	0.19	0.059
102114	Soil	0.4	26.7	5.8	74	<0.1	40.2	23.7	477	4.54	1.9	2.3	0.8	3.8	31	<0.1	0.1	0.3	89	0.60	0.185
102115	Soil	0.8	31.2	5.9	91	<0.1	50.5	25.0	461	5.06	3.7	2.1	1.6	3.2	29	<0.1	0.2	0.5	69	0.37	0.090
118382	Soil	0.4	52.0	2.8	41	<0.1	378.6	63.8	470	6.09	2.6	0.2	0.9	1.3	15	0.1	0.2	0.4	46	0.12	0.046
118383	Soil	0.7	13.9	9.4	36	<0.1	24.3	6.8	151	2.21	8.2	0.5	0.8	2.2	11	<0.1	0.3	0.2	47	0.13	0.033
118384	Soil	1.4	25.9	8.7	59	<0.1	47.2	16.4	264	3.04	10.1	1.0	2.7	6.3	16	0.1	0.5	0.3	55	0.15	0.045

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Page: 10 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
111457	Soil	14	26	0.42	127	0.043	<1	1.99	0.007	0.06	0.2	0.06	2.4	0.2	<0.05	5	0.5	<0.2
111458	Soil	12	21	0.33	110	0.039	1	2.16	0.006	0.09	0.2	0.04	1.7	0.2	<0.05	5	<0.5	<0.2
111459	Soil	11	23	0.36	143	0.034	<1	1.75	0.006	0.06	0.2	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
111460	Soil	24	28	0.43	187	0.043	<1	2.09	0.007	0.08	0.3	0.04	3.0	0.2	<0.05	6	<0.5	<0.2
111461	Soil	18	19	0.37	95	0.046	1	1.27	0.006	0.10	0.5	0.03	1.6	0.2	<0.05	5	<0.5	<0.2
111462	Soil	11	26	0.35	118	0.036	<1	2.01	0.007	0.04	0.7	0.03	2.3	0.1	<0.05	6	0.7	<0.2
111463	Soil	13	28	0.51	162	0.042	2	1.78	0.010	0.10	0.3	0.02	2.7	0.1	<0.05	5	0.5	<0.2
111464	Soil	23	20	0.42	99	0.059	1	1.56	0.008	0.12	0.2	0.02	2.2	0.2	<0.05	6	0.6	<0.2
111465	Soil	21	20	0.41	122	0.061	1	1.41	0.008	0.11	0.2	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
111466	Soil	16	20	0.38	106	0.047	<1	1.36	0.007	0.09	0.2	0.06	1.8	0.2	<0.05	5	<0.5	<0.2
111467	Soil	14	20	0.27	127	0.026	<1	1.37	0.008	0.07	0.1	0.04	1.2	0.1	<0.05	6	<0.5	<0.2
111468	Soil	54	7	0.10	66	0.004	<1	0.82	0.004	0.09	1.7	0.02	1.0	0.2	<0.05	2	0.8	<0.2
102101	Soil	11	47	0.76	152	0.166	<1	2.11	0.014	0.62	0.2	0.03	4.7	0.3	<0.05	7	<0.5	<0.2
102102	Soil	11	30	0.45	110	0.074	<1	1.55	0.012	0.26	0.1	0.03	2.0	0.2	0.06	7	1.0	<0.2
102103	Soil	10	45	0.61	251	0.102	<1	1.71	0.017	0.64	<0.1	<0.01	5.5	0.3	<0.05	6	<0.5	<0.2
102104	Soil	12	57	0.97	194	0.175	<1	2.11	0.016	0.91	<0.1	0.01	6.9	0.6	<0.05	8	0.6	<0.2
102105	Soil	11	45	1.05	222	0.191	<1	2.38	0.032	1.24	<0.1	<0.01	4.6	0.4	<0.05	8	<0.5	<0.2
102106	Soil	9	36	0.93	232	0.161	<1	1.92	0.024	0.85	0.1	<0.01	2.7	0.7	0.32	7	0.5	<0.2
102107	Soil	22	29	0.98	168	0.076	<1	1.84	0.018	0.23	0.2	0.01	2.9	0.3	<0.05	7	0.6	<0.2
102108	Soil	7	34	0.75	230	0.158	<1	2.05	0.024	0.90	<0.1	0.01	3.3	0.5	0.13	6	<0.5	<0.2
102109	Soil	15	45	0.82	241	0.161	<1	2.21	0.018	0.71	0.1	0.01	4.3	0.4	0.06	7	<0.5	<0.2
102110	Soil	27	6	1.16	312	0.122	<1	2.12	0.018	0.38	<0.1	<0.01	2.8	0.6	<0.05	7	0.8	<0.2
102111	Soil	28	13	0.87	343	0.061	<1	1.75	0.017	0.25	0.3	0.01	3.0	0.5	<0.05	6	0.7	<0.2
102112	Soil	25	58	1.31	200	0.073	<1	3.06	0.010	0.23	3.7	0.01	4.7	0.3	<0.05	11	0.6	<0.2
102113	Soil	14	57	1.16	253	0.144	<1	2.72	0.018	0.67	0.4	0.01	5.4	0.5	<0.05	9	<0.5	<0.2
102114	Soil	16	40	1.65	282	0.156	<1	3.22	0.021	0.56	0.3	<0.01	5.9	0.4	<0.05	10	0.7	<0.2
102115	Soil	12	52	1.54	303	0.154	<1	3.75	0.027	0.49	<0.1	0.01	6.2	0.4	0.08	9	0.8	<0.2
118382	Soil	4	291	3.17	89	0.024	1	1.39	0.006	0.02	0.4	<0.01	2.3	0.1	<0.05	4	<0.5	<0.2
118383	Soil	11	25	0.38	185	0.030	<1	1.46	0.007	0.04	0.2	0.03	2.2	0.1	<0.05	5	0.5	<0.2
118384	Soil	23	72	0.87	192	0.092	<1	1.84	0.012	0.16	0.2	0.02	3.3	0.3	<0.05	6	0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 11 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000565.1

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	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001	
118385	Soil		0.6	26.9	6.1	47	<0.1	200.6	31.8	461	3.32	5.8	0.4	0.8	2.9	11	<0.1	0.3	0.3	32	0.12	0.018
118386	Soil		1.2	20.3	10.0	52	<0.1	28.9	12.0	231	2.95	10.1	0.6	0.6	5.4	8	0.2	0.6	0.2	65	0.09	0.056
118387	Soil		1.3	30.7	10.2	71	<0.1	29.2	11.9	377	2.93	10.6	1.1	3.2	5.1	21	0.1	0.7	0.2	51	0.28	0.111
118388	Soil		3.0	23.6	11.9	78	<0.1	29.0	15.7	393	4.77	7.6	1.4	0.8	7.0	61	0.2	0.4	0.3	56	1.18	0.457
118389	Soil		0.9	17.2	10.8	51	<0.1	35.5	17.1	484	3.44	6.7	0.9	1.0	9.8	41	0.1	0.2	0.1	49	0.15	0.071
118390	Soil		1.1	20.0	10.9	59	<0.1	37.5	15.1	469	3.70	6.6	1.1	<0.5	9.0	30	0.1	0.2	0.2	54	0.12	0.069
118391	Soil		1.0	34.3	10.0	93	<0.1	59.4	24.3	301	4.63	6.8	0.9	1.4	5.1	20	0.1	0.3	0.2	118	0.29	0.117
118392	Soil		0.8	39.7	8.9	54	<0.1	24.1	10.8	204	3.97	3.9	0.9	<0.5	3.3	30	<0.1	0.2	0.3	38	0.06	0.044
118393	Soil		1.0	31.8	15.3	73	<0.1	22.7	11.4	362	4.18	3.8	1.3	<0.5	3.6	25	<0.1	0.1	0.2	43	0.05	0.046
118394	Soil		1.0	25.8	9.7	81	<0.1	54.2	19.8	329	4.54	6.7	1.1	<0.5	6.6	18	<0.1	0.2	0.3	68	0.55	0.266
118395	Soil		2.1	45.2	11.1	111	<0.1	47.9	23.0	480	6.74	3.7	2.3	<0.5	5.8	37	<0.1	0.1	0.6	92	1.18	0.400
118396	Soil		0.7	23.2	9.3	93	<0.1	79.8	31.6	386	4.77	2.9	1.4	<0.5	11.5	17	<0.1	0.1	0.3	53	0.16	0.051
118397	Soil		0.9	18.7	11.1	59	<0.1	28.3	13.1	318	3.10	11.9	0.7	<0.5	5.6	10	<0.1	0.6	0.3	51	0.11	0.047
118398	Soil		2.0	26.8	12.0	66	<0.1	19.3	11.5	331	3.89	10.3	1.1	0.8	4.2	12	<0.1	0.5	0.3	57	0.06	0.033
118399	Soil		0.3	52.7	5.9	45	<0.1	50.5	23.1	521	3.21	3.4	0.7	<0.5	6.6	36	<0.1	0.1	0.2	84	1.12	0.370
118400	Soil		0.3	48.5	4.5	55	<0.1	128.9	30.6	245	4.15	3.1	0.3	<0.5	2.2	7	<0.1	0.1	0.3	43	0.25	0.064
118401	Soil		2.5	66.4	9.0	125	<0.1	69.6	29.6	822	7.95	3.4	1.1	<0.5	3.9	18	<0.1	0.1	0.3	166	0.28	0.131
118402	Soil		0.9	77.3	11.0	82	<0.1	113.7	33.9	738	5.74	3.2	1.7	2.3	9.0	16	<0.1	0.2	0.4	94	0.17	0.038
118403	Soil		0.4	50.6	12.7	78	<0.1	62.7	21.1	456	4.76	5.4	2.0	10.3	13.1	92	<0.1	0.3	0.3	59	0.41	0.026
118404	Soil		0.4	27.5	21.1	56	<0.1	54.3	21.2	324	3.25	6.5	2.7	0.5	18.4	664	<0.1	0.2	0.3	32	2.73	0.052
118405	Soil		0.6	42.6	14.3	135	<0.1	60.8	21.4	468	5.41	3.1	2.5	<0.5	15.8	9	<0.1	0.2	0.3	71	0.22	0.044
118406	Soil		0.4	42.6	6.4	40	<0.1	62.2	20.4	296	4.52	3.2	1.5	<0.5	18.0	31	<0.1	0.1	0.4	79	0.26	0.045
118407	Soil		0.3	25.2	6.2	110	<0.1	46.5	17.5	611	4.31	3.4	1.5	<0.5	16.5	24	0.1	0.1	0.3	78	0.26	0.035
118408	Soil		0.7	34.9	7.4	64	<0.1	52.3	19.3	308	4.86	5.6	1.6	1.7	18.2	27	<0.1	0.3	0.3	82	0.32	0.021
118409	Soil		0.7	48.5	36.3	62	<0.1	134.3	35.2	545	4.78	4.8	2.2	1.9	15.6	34	<0.1	0.3	0.5	70	0.44	0.081
118410	Soil		0.4	37.2	7.3	103	<0.1	68.1	25.6	548	6.11	1.9	1.1	0.8	10.9	17	<0.1	<0.1	0.6	77	0.20	0.047
118411	Soil		0.4	33.5	7.5	74	<0.1	57.7	19.8	241	5.38	3.0	0.8	0.5	6.0	11	<0.1	0.2	0.3	70	0.11	0.022
118412	Soil		0.8	24.6	11.0	82	<0.1	44.2	17.0	450	4.65	5.8	0.8	<0.5	5.7	26	<0.1	0.3	0.3	79	0.15	0.045
118413	Soil		0.5	21.4	10.6	55	<0.1	26.4	9.1	273	2.85	7.1	1.0	0.8	6.2	10	<0.1	0.4	0.2	46	0.09	0.022
118414	Soil		0.6	15.7	8.4	50	<0.1	21.9	9.1	210	2.63	7.2	0.7	2.6	4.5	11	<0.1	0.4	0.2	44	0.12	0.024

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Page: 11 of 12 Part 2

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
118385	Soil	8	108	1.80	126	0.041	1	1.31	0.009	0.06	0.4	0.02	2.0	0.2	<0.05	3	<0.5	<0.2
118386	Soil	12	54	0.66	148	0.077	<1	1.80	0.007	0.13	0.1	0.02	3.1	0.2	<0.05	7	0.7	<0.2
118387	Soil	18	30	0.63	210	0.082	<1	1.78	0.010	0.14	0.2	0.02	4.3	0.2	<0.05	5	1.2	<0.2
118388	Soil	56	23	1.11	381	0.127	<1	2.71	0.024	0.49	0.2	0.03	2.3	0.5	<0.05	8	<0.5	<0.2
118389	Soil	13	45	1.21	567	0.170	1	4.17	0.016	0.38	0.2	0.01	2.5	0.2	<0.05	11	0.7	<0.2
118390	Soil	13	50	1.14	511	0.174	<1	3.97	0.013	0.48	0.2	0.01	3.8	0.3	<0.05	11	<0.5	<0.2
118391	Soil	14	88	1.34	285	0.275	<1	3.54	0.023	0.64	0.4	0.02	5.6	0.3	<0.05	11	0.7	<0.2
118392	Soil	10	37	0.61	254	0.200	<1	2.31	0.019	0.93	<0.1	<0.01	3.1	0.5	0.16	6	0.7	<0.2
118393	Soil	10	41	0.73	182	0.158	<1	2.34	0.014	0.81	0.1	<0.01	3.9	0.5	0.07	8	<0.5	<0.2
118394	Soil	20	47	1.15	231	0.172	<1	3.35	0.010	0.75	0.3	0.02	4.8	0.4	<0.05	11	0.6	<0.2
118395	Soil	46	38	1.49	270	0.156	1	3.97	0.014	1.31	0.4	0.01	4.9	1.1	0.11	13	<0.5	<0.2
118396	Soil	12	50	1.12	175	0.095	<1	3.23	0.007	0.60	0.1	0.01	5.2	0.3	<0.05	10	<0.5	<0.2
118397	Soil	11	37	0.62	179	0.094	<1	1.98	0.006	0.19	0.2	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
118398	Soil	11	40	0.65	156	0.120	1	2.18	0.008	0.35	0.2	0.02	3.7	0.3	0.06	7	<0.5	<0.2
118399	Soil	33	91	1.28	194	0.136	1	1.94	0.062	0.56	<0.1	0.01	3.0	0.1	<0.05	7	<0.5	<0.2
118400	Soil	10	300	1.94	272	0.369	1	2.63	0.017	1.11	0.5	<0.01	3.2	0.7	<0.05	9	<0.5	<0.2
118401	Soil	15	171	2.60	438	0.559	<1	4.58	0.018	2.13	0.4	0.01	16.4	0.8	0.05	19	<0.5	<0.2
118402	Soil	21	135	1.79	293	0.224	1	4.02	0.010	0.98	0.1	0.02	10.0	0.5	<0.05	14	0.7	<0.2
118403	Soil	38	69	1.15	361	0.148	<1	4.62	0.022	0.48	0.1	0.05	9.1	0.4	<0.05	13	<0.5	<0.2
118404	Soil	51	35	0.30	331	0.020	4	6.04	0.415	0.05	0.1	0.01	5.7	<0.1	<0.05	14	<0.5	<0.2
118405	Soil	22	86	1.06	161	0.143	<1	3.89	0.007	0.48	<0.1	0.02	5.7	0.3	<0.05	15	<0.5	<0.2
118406	Soil	38	115	1.77	1073	0.329	1	8.26	0.029	0.91	0.6	0.03	8.9	0.2	<0.05	21	<0.5	<0.2
118407	Soil	37	73	1.22	217	0.280	1	3.08	0.012	0.64	0.3	0.02	9.6	0.3	<0.05	13	<0.5	<0.2
118408	Soil	32	82	1.16	307	0.198	1	3.14	0.011	0.18	0.2	0.02	7.9	0.2	<0.05	12	<0.5	<0.2
118409	Soil	17	58	0.65	384	0.101	<1	3.95	0.019	0.34	1.4	0.04	8.0	0.2	<0.05	13	0.7	<0.2
118410	Soil	21	75	1.18	520	0.341	<1	5.33	0.022	1.57	0.2	0.01	8.3	1.1	<0.05	15	<0.5	<0.2
118411	Soil	16	68	1.30	378	0.292	<1	4.02	0.016	1.38	0.2	0.01	7.5	0.6	<0.05	13	<0.5	<0.2
118412	Soil	12	70	1.02	389	0.224	1	3.58	0.016	0.99	0.5	<0.01	6.2	0.5	<0.05	14	<0.5	<0.2
118413	Soil	13	39	0.63	167	0.095	<1	1.73	0.006	0.32	0.1	0.01	3.6	0.2	<0.05	6	<0.5	<0.2
118414	Soil	12	33	0.66	175	0.093	<1	1.58	0.007	0.30	0.2	0.02	2.8	0.2	<0.05	5	<0.5	<0.2

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.



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Project: Burnham
 Report Date: August 04, 2011

Page: 12 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
118415	Soil	0.4	30.7	7.9	69	<0.1	37.0	13.7	333	3.90	5.4	1.3	1.0	6.2	11	<0.1	0.3	0.2	60	0.13	0.026
118416	Soil	0.4	28.5	8.8	73	<0.1	43.7	15.6	395	4.17	3.7	1.3	0.7	6.2	13	<0.1	0.2	0.2	65	0.15	0.037
118417	Soil	0.7	29.5	7.5	57	<0.1	30.8	13.2	244	3.32	4.9	0.7	0.5	4.3	16	<0.1	0.3	0.2	61	0.21	0.040
118418	Soil	0.8	15.5	10.2	53	<0.1	16.2	7.4	295	2.47	10.7	1.3	1.8	2.8	11	<0.1	0.5	0.3	46	0.13	0.050
118419	Soil	1.1	11.8	9.2	58	<0.1	14.1	6.5	336	2.38	8.3	3.0	1.3	3.4	10	<0.1	0.4	0.4	39	0.13	0.061
118420	Soil	1.1	13.2	11.9	57	<0.1	14.5	7.0	295	2.33	8.6	3.2	1.3	4.2	10	0.2	0.5	0.5	41	0.10	0.055
118421	Soil	1.2	15.0	11.5	58	<0.1	18.4	8.0	212	2.48	8.5	2.1	<0.5	4.7	14	<0.1	0.4	0.6	45	0.17	0.074
118422	Soil	1.0	35.4	10.5	76	<0.1	43.0	19.2	473	5.02	2.7	2.1	1.2	9.9	15	<0.1	0.2	0.4	121	0.18	0.068
118423	Soil	0.7	35.3	12.0	70	<0.1	38.4	16.3	388	3.43	7.2	1.0	1.5	6.7	13	<0.1	0.4	0.3	59	0.13	0.025
118424	Soil	0.7	58.0	6.9	70	<0.1	55.7	19.8	336	3.84	2.0	0.8	<0.5	5.7	13	<0.1	0.2	0.3	83	0.18	0.039
118425	Soil	0.5	26.9	14.0	48	<0.1	48.2	19.9	526	3.17	4.4	2.0	<0.5	12.4	452	0.1	0.2	0.4	40	1.08	0.056
118426	Soil	0.7	22.0	13.0	58	<0.1	46.6	18.0	307	3.72	8.4	1.2	0.7	10.5	79	0.2	0.3	0.2	52	0.46	0.033
118427	Soil	0.7	22.0	8.0	33	<0.1	56.5	32.3	274	5.13	5.1	0.6	<0.5	4.5	15	<0.1	0.2	0.3	127	0.17	0.051
118428	Soil	0.6	27.4	8.1	61	<0.1	44.4	21.9	133	3.95	4.5	0.6	0.7	3.6	19	<0.1	0.2	0.2	96	0.13	0.024
118429	Soil	0.8	16.7	9.7	56	<0.1	22.7	10.5	269	2.46	7.4	0.6	0.7	4.5	49	<0.1	0.4	0.2	48	0.23	0.015
118430	Soil	0.6	31.8	10.3	67	<0.1	43.3	15.4	399	3.37	6.6	1.4	4.0	9.4	206	0.1	0.3	0.3	54	0.55	0.029
118431	Soil	0.8	36.9	16.2	90	<0.1	75.7	19.1	492	4.35	6.2	1.6	2.0	14.8	36	<0.1	0.3	0.4	64	0.40	0.042
118432	Soil	2.0	45.9	21.6	101	<0.1	31.1	11.6	158	5.07	1.9	1.5	0.9	13.2	24	<0.1	<0.1	0.3	35	0.18	0.034
118433	Soil	2.4	61.7	13.6	86	<0.1	63.9	31.8	680	5.24	6.5	3.0	0.8	5.7	75	0.1	0.3	0.8	163	0.53	0.064
118434	Soil	0.5	23.0	11.9	67	<0.1	32.5	11.4	164	3.12	4.4	1.4	0.6	8.1	35	<0.1	0.2	0.2	43	0.34	0.051



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Project: Burnham
 Report Date: August 04, 2011

Page: 12 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000565.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
118415	Soil	17	52	1.13	304	0.156	<1	2.42	0.012	0.67	<0.1	0.01	5.1	0.3	<0.05	10	<0.5	<0.2
118416	Soil	12	70	1.45	256	0.203	<1	3.01	0.014	0.88	<0.1	0.01	5.5	0.4	<0.05	11	<0.5	<0.2
118417	Soil	12	45	0.78	261	0.171	<1	2.07	0.011	0.55	0.2	0.01	4.2	0.2	<0.05	8	<0.5	<0.2
118418	Soil	13	24	0.39	130	0.045	1	1.59	0.006	0.07	0.2	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
118419	Soil	16	20	0.34	120	0.035	<1	1.39	0.006	0.11	0.2	0.02	1.7	0.2	<0.05	6	<0.5	<0.2
118420	Soil	14	22	0.35	125	0.038	<1	1.41	0.006	0.07	0.2	0.03	2.0	0.2	<0.05	5	<0.5	<0.2
118421	Soil	13	27	0.44	111	0.040	<1	1.55	0.005	0.08	0.2	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
118422	Soil	22	107	1.83	216	0.250	<1	3.92	0.011	0.56	<0.1	0.02	10.4	0.3	<0.05	14	<0.5	<0.2
118423	Soil	14	54	0.83	197	0.086	<1	2.39	0.007	0.09	0.2	0.02	3.9	0.1	<0.05	7	<0.5	<0.2
118424	Soil	13	96	1.37	207	0.214	<1	3.16	0.014	0.67	0.2	<0.01	5.8	0.5	<0.05	10	<0.5	<0.2
118425	Soil	33	46	0.50	249	0.097	2	6.33	0.176	0.18	0.1	0.03	5.2	0.2	<0.05	15	<0.5	<0.2
118426	Soil	23	55	0.67	376	0.118	1	4.38	0.042	0.18	0.3	0.03	5.2	0.2	<0.05	12	<0.5	<0.2
118427	Soil	11	68	1.78	293	0.193	<1	4.25	0.012	0.72	0.2	0.02	9.6	0.3	<0.05	12	<0.5	<0.2
118428	Soil	10	52	1.52	212	0.187	<1	3.43	0.012	0.54	0.1	0.01	4.0	0.3	<0.05	14	<0.5	<0.2
118429	Soil	13	31	0.42	246	0.051	<1	2.13	0.014	0.06	0.1	<0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
118430	Soil	22	57	0.79	252	0.122	3	3.97	0.064	0.14	0.3	0.02	5.9	0.2	<0.05	11	0.5	<0.2
118431	Soil	48	74	0.62	182	0.026	2	2.07	0.007	0.05	0.1	0.05	8.4	0.2	<0.05	8	<0.5	<0.2
118432	Soil	27	44	0.91	127	0.009	2	2.51	0.007	0.06	<0.1	<0.01	1.8	0.1	<0.05	8	<0.5	<0.2
118433	Soil	19	76	1.75	181	0.115	2	3.94	0.005	0.07	<0.1	0.02	7.6	<0.1	<0.05	14	<0.5	<0.2
118434	Soil	22	40	0.68	118	0.111	2	2.03	0.006	0.11	0.1	0.01	2.9	<0.1	<0.05	7	<0.5	<0.2



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Project: Burnham
 Report Date: August 04, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000565.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
116522	Soil	0.9	16.5	10.2	52	0.1	16.8	7.0	229	2.18	7.2	1.5	2.8	5.3	15	0.2	0.4	0.9	40	0.20	0.066
REP 116522	QC	0.8	16.4	10.1	52	0.1	17.2	6.9	230	2.21	6.4	1.6	3.3	5.2	14	0.2	0.4	0.8	39	0.20	0.065
117363	Soil	0.6	25.2	8.4	48	<0.1	24.7	10.5	351	3.47	3.7	2.8	1.4	11.4	17	<0.1	0.2	0.3	50	0.06	0.031
REP 117363	QC	0.6	25.3	8.6	49	<0.1	25.6	10.5	345	3.46	3.8	2.7	2.5	11.4	16	<0.1	0.2	0.3	51	0.06	0.034
105205	Soil	0.6	58.8	5.4	41	<0.1	63.3	12.1	204	2.64	4.4	0.3	2.0	1.2	8	<0.1	0.2	0.1	60	0.24	0.033
REP 105205	QC	0.7	57.6	5.2	40	<0.1	59.7	12.0	201	2.20	4.3	0.3	1.7	1.1	8	<0.1	0.3	<0.1	60	0.25	0.032
105222	Soil	0.7	17.7	6.3	60	<0.1	50.3	24.4	570	3.29	2.4	1.3	0.6	6.7	8	<0.1	0.1	2.8	48	0.07	0.034
REP 105222	QC	0.6	17.4	6.2	61	<0.1	50.0	24.8	566	3.28	2.3	1.3	1.0	6.8	8	<0.1	0.1	2.7	48	0.07	0.035
105233	Soil	1.0	31.1	12.6	84	<0.1	64.0	17.0	294	4.42	6.3	1.5	2.7	9.0	31	0.2	0.3	0.3	75	0.44	0.073
REP 105233	QC	1.1	28.8	12.6	84	<0.1	60.2	17.0	298	4.44	7.0	1.5	1.0	8.8	32	0.1	0.3	0.3	73	0.44	0.071
120324	Soil	0.9	43.4	9.8	53	0.1	47.3	18.1	239	3.25	10.0	0.6	2.3	4.3	15	<0.1	0.6	0.2	68	0.20	0.071
REP 120324	QC	0.8	42.4	9.2	53	0.1	46.6	17.7	244	3.22	9.4	0.5	1.2	4.0	14	0.1	0.6	0.2	62	0.20	0.065
120352	Soil	1.1	12.1	10.3	53	<0.1	13.5	5.5	245	2.31	9.0	2.2	1.5	2.0	8	0.1	0.5	0.5	38	0.10	0.063
REP 120352	QC	1.0	12.8	10.4	53	<0.1	14.2	5.5	237	2.25	9.1	2.2	2.0	2.0	8	0.1	0.6	0.5	38	0.10	0.063
105251	Soil	0.9	17.5	9.7	56	<0.1	20.9	8.0	275	2.40	12.3	1.0	2.5	5.3	10	<0.1	0.7	0.3	38	0.12	0.056
REP 105251	QC	0.8	16.8	9.6	54	<0.1	20.5	7.9	270	2.41	11.7	1.1	1.5	5.5	10	<0.1	0.8	0.3	39	0.12	0.055
120301	Soil	1.4	45.2	8.5	44	<0.1	19.9	10.3	273	2.13	6.7	0.5	1.1	0.5	11	0.1	0.3	0.2	68	0.10	0.030
REP 120301	QC	1.5	46.1	8.8	45	<0.1	20.2	10.3	274	2.15	6.8	0.6	1.6	0.5	11	0.1	0.3	0.2	69	0.10	0.029
120312	Soil	1.6	40.6	12.9	70	<0.1	19.1	7.4	248	4.81	3.9	0.7	1.0	2.7	54	<0.1	0.3	0.9	57	0.03	0.057
REP 120312	QC	1.6	41.8	13.1	73	<0.1	19.8	7.5	256	4.98	3.8	0.7	0.8	2.9	53	<0.1	0.3	0.8	57	0.04	0.056
109257	Soil	0.6	21.6	10.6	53	<0.1	28.1	11.2	266	2.63	5.3	1.0	1.5	7.8	17	<0.1	0.3	0.2	40	0.13	0.019
REP 109257	QC	0.6	20.9	10.5	52	<0.1	27.9	10.5	263	2.69	5.0	1.0	1.4	7.8	18	<0.1	0.3	0.2	40	0.13	0.018
109224	Soil	1.3	29.4	11.0	71	<0.1	47.5	19.2	415	3.92	4.1	1.1	0.8	7.7	12	0.1	0.2	0.3	76	0.17	0.060
REP 109224	QC	1.2	29.9	11.1	71	<0.1	46.4	19.8	413	3.88	4.2	1.1	1.0	7.4	12	<0.1	0.2	0.3	74	0.17	0.056
111429	Soil	0.6	30.1	7.2	81	<0.1	31.1	12.1	427	3.30	6.1	1.3	2.0	9.9	30	0.2	0.4	0.2	58	0.23	0.046
REP 111429	QC	0.5	26.7	7.0	77	<0.1	28.0	11.2	395	3.06	5.9	1.2	1.0	9.5	29	0.2	0.4	0.2	54	0.20	0.041
111445	Soil	0.6	13.4	8.0	39	<0.1	12.4	3.8	121	1.61	5.3	1.0	1.5	0.3	17	<0.1	0.3	0.2	41	0.15	0.033
REP 111445	QC	0.6	13.6	8.0	39	<0.1	13.2	3.6	117	1.58	5.4	1.0	9.8	0.3	19	<0.1	0.3	0.2	41	0.15	0.033

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Project: Burnham
 Report Date: August 04, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000565.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
116522	Soil	22	24	0.38	209	0.044	1	1.43	0.008	0.06	0.3	0.06	2.8	0.2	<0.05	5	<0.5	<0.2
REP 116522	QC	21	25	0.37	205	0.042	<1	1.38	0.009	0.06	0.3	0.04	2.7	0.1	<0.05	4	<0.5	<0.2
117363	Soil	21	50	0.67	192	0.187	<1	2.40	0.014	0.54	0.2	0.01	5.5	0.4	<0.05	10	<0.5	<0.2
REP 117363	QC	20	50	0.70	194	0.188	<1	2.45	0.011	0.56	0.2	<0.01	5.4	0.4	<0.05	10	<0.5	<0.2
105205	Soil	5	69	0.91	157	0.112	1	1.40	0.020	0.12	0.3	<0.01	2.5	0.1	<0.05	5	<0.5	<0.2
REP 105205	QC	5	69	0.89	151	0.111	1	1.36	0.020	0.12	0.2	<0.01	2.5	0.1	<0.05	4	0.6	<0.2
105222	Soil	13	47	0.69	128	0.079	<1	1.86	0.007	0.25	<0.1	<0.01	3.0	0.2	<0.05	8	<0.5	<0.2
REP 105222	QC	13	47	0.68	127	0.081	<1	1.88	0.007	0.25	<0.1	0.01	3.3	0.2	<0.05	7	<0.5	<0.2
105233	Soil	21	92	1.12	175	0.182	1	3.52	0.008	0.29	0.1	0.02	4.6	0.3	<0.05	10	0.6	<0.2
REP 105233	QC	21	88	1.11	174	0.185	1	3.41	0.009	0.30	0.2	0.02	4.8	0.3	<0.05	10	0.9	<0.2
120324	Soil	13	68	0.79	235	0.101	1	2.38	0.010	0.08	0.2	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
REP 120324	QC	12	65	0.73	228	0.095	1	2.18	0.009	0.08	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
120352	Soil	11	19	0.30	102	0.030	<1	1.23	0.007	0.11	0.2	0.03	1.3	0.2	<0.05	5	1.3	<0.2
REP 120352	QC	12	19	0.30	103	0.032	1	1.22	0.006	0.11	0.2	0.03	1.3	0.2	<0.05	5	0.5	<0.2
105251	Soil	12	23	0.39	103	0.041	1	1.48	0.006	0.05	0.5	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
REP 105251	QC	12	23	0.39	104	0.040	<1	1.49	0.006	0.04	0.6	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
120301	Soil	8	40	0.45	115	0.049	1	1.24	0.006	0.05	0.1	0.03	1.7	0.1	<0.05	6	0.6	<0.2
REP 120301	QC	8	39	0.45	116	0.050	1	1.28	0.006	0.05	0.1	0.02	1.7	0.1	<0.05	6	0.6	<0.2
120312	Soil	9	37	0.67	158	0.201	<1	2.38	0.010	0.56	<0.1	0.02	2.6	0.5	<0.05	10	1.0	<0.2
REP 120312	QC	9	37	0.67	163	0.203	<1	2.37	0.010	0.58	0.1	0.02	2.5	0.6	<0.05	10	<0.5	<0.2
109257	Soil	16	38	0.66	135	0.083	<1	1.78	0.008	0.15	0.1	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
REP 109257	QC	17	39	0.63	138	0.082	<1	1.78	0.008	0.15	<0.1	0.03	2.4	0.2	<0.05	5	0.6	<0.2
109224	Soil	15	78	1.06	200	0.193	<1	2.72	0.016	0.53	0.1	0.01	5.6	0.4	0.07	8	<0.5	<0.2
REP 109224	QC	16	75	1.05	189	0.184	<1	2.62	0.018	0.53	0.1	0.02	5.3	0.4	0.08	8	<0.5	<0.2
111429	Soil	19	46	0.89	237	0.163	<1	2.33	0.015	0.49	0.2	0.02	6.3	0.3	<0.05	8	<0.5	<0.2
REP 111429	QC	17	42	0.79	217	0.147	1	2.12	0.014	0.42	0.2	0.02	5.7	0.3	<0.05	7	<0.5	<0.2
111445	Soil	16	21	0.34	180	0.027	<1	1.15	0.007	0.04	0.1	0.03	1.3	0.1	<0.05	5	<0.5	<0.2
REP 111445	QC	16	21	0.35	184	0.029	<1	1.17	0.007	0.05	0.2	0.03	1.3	0.1	<0.05	5	<0.5	<0.2

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Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000565.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
102108	Soil	0.4	36.1	6.8	55	<0.1	24.5	9.9	320	3.75	1.3	0.7	0.8	2.2	16	<0.1	<0.1	0.4	31	0.11	0.063
REP 102108	QC	0.4	35.4	6.8	56	<0.1	23.7	9.7	322	3.76	1.4	0.7	0.9	2.3	16	<0.1	<0.1	0.4	31	0.11	0.069
118382	Soil	0.4	52.0	2.8	41	<0.1	378.6	63.8	470	6.09	2.6	0.2	0.9	1.3	15	0.1	0.2	0.4	46	0.12	0.046
REP 118382	QC	0.3	51.3	2.6	43	<0.1	386.6	65.4	486	6.24	2.8	0.2	0.8	1.3	15	<0.1	0.2	0.4	47	0.13	0.048
118402	Soil	0.9	77.3	11.0	82	<0.1	113.7	33.9	738	5.74	3.2	1.7	2.3	9.0	16	<0.1	0.2	0.4	94	0.17	0.038
REP 118402	QC	0.9	78.4	10.7	82	<0.1	110.8	32.7	741	5.75	3.1	1.7	0.6	9.2	16	<0.1	0.2	0.4	93	0.19	0.040
118421	Soil	1.2	15.0	11.5	58	<0.1	18.4	8.0	212	2.48	8.5	2.1	<0.5	4.7	14	<0.1	0.4	0.6	45	0.17	0.074
REP 118421	QC	1.3	15.7	12.1	63	<0.1	18.9	8.7	226	2.60	8.9	2.2	<0.5	4.8	14	0.1	0.4	0.6	47	0.18	0.078
Reference Materials																					
STD DS8	Standard	13.5	116.2	127.4	314	1.8	39.8	8.0	627	2.49	27.0	2.7	113.4	6.6	61	2.6	5.1	6.3	45	0.69	0.084
STD DS8	Standard	13.6	116.2	129.2	312	1.8	40.5	7.8	613	2.45	26.9	2.8	121.2	6.7	61	2.4	5.2	6.4	43	0.68	0.080
STD DS8	Standard	11.7	107.2	119.9	308	1.7	35.8	7.3	599	2.38	26.1	2.7	102.7	6.4	62	2.4	5.6	6.6	41	0.66	0.078
STD DS8	Standard	11.7	101.2	122.2	295	1.7	34.3	6.7	581	2.31	25.2	2.8	105.0	6.5	65	2.3	5.8	6.7	38	0.64	0.076
STD DS8	Standard	11.8	105.6	124.2	302	1.8	35.9	7.5	596	2.44	26.5	2.7	108.4	6.2	62	2.1	5.5	7.0	41	0.64	0.082
STD DS8	Standard	11.9	103.8	124.9	306	1.7	36.9	7.2	577	2.39	26.5	2.8	97.4	6.6	65	2.3	5.7	6.9	40	0.65	0.080
STD DS8	Standard	13.0	109.9	127.8	314	1.7	37.8	7.3	624	2.58	29.1	2.6	101.4	6.7	65	2.4	5.8	6.3	42	0.69	0.087
STD DS8	Standard	13.2	112.1	121.8	307	1.7	38.3	7.7	619	2.53	28.2	2.7	106.0	6.8	66	2.3	6.1	6.2	42	0.70	0.083
STD DS8	Standard	12.7	101.1	122.4	289	1.7	34.9	7.0	570	2.31	24.8	2.7	98.1	6.7	58	2.2	4.8	5.4	40	0.65	0.075
STD DS8	Standard	13.3	109.6	127.4	315	1.8	37.8	7.6	602	2.49	27.3	2.8	107.1	7.2	61	2.3	5.3	5.7	43	0.71	0.080
STD DS8	Standard	13.7	105.4	118.5	311	1.8	37.7	7.6	602	2.51	27.5	2.8	111.3	6.8	65	2.4	5.7	6.2	44	0.69	0.087
STD DS8	Standard	13.6	117.2	130.0	331	1.8	38.9	8.1	596	2.52	26.2	2.9	108.1	7.6	67	2.5	5.6	6.9	43	0.70	0.088
STD DS8	Standard	11.7	99.4	110.6	298	1.7	34.4	7.0	583	2.31	24.0	2.7	108.2	6.7	69	2.2	5.5	6.9	40	0.62	0.070
STD DS8	Standard	12.1	98.9	118.0	306	1.7	34.4	6.9	577	2.29	23.8	2.7	111.0	7.0	71	2.2	5.8	7.1	39	0.61	0.069
STD DS8	Standard	12.7	110.9	120.3	303	1.8	37.7	7.4	610	2.42	27.3	2.6	108.2	6.4	62	2.2	5.6	6.2	43	0.67	0.078
STD DS8	Standard	12.8	105.3	120.2	301	1.8	35.9	7.5	601	2.37	25.3	2.6	103.9	6.6	64	2.3	5.5	6.5	41	0.67	0.075
STD DS8	Standard	10.9	97.8	118.4	283	1.8	34.2	6.6	545	2.20	23.9	2.7	182.9	6.5	64	2.4	5.1	6.2	38	0.63	0.073
STD DS8	Standard	11.5	96.6	121.0	279	1.7	32.3	6.6	530	2.24	24.7	2.6	105.7	6.5	65	2.2	5.1	6.4	37	0.63	0.069
STD DS8	Standard	13.3	112.2	123.3	317	1.8	38.9	7.7	608	2.49	27.1	2.8	112.3	6.6	72	2.2	5.5	6.6	42	0.68	0.080
STD DS8	Standard	12.0	96.3	114.6	293	1.7	32.9	6.6	572	2.50	24.4	2.5	101.6	6.6	55	2.2	4.5	5.0	39	0.65	0.074

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Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
102108	Soil	7	34	0.75	230	0.158	<1	2.05	0.024	0.90	<0.1	0.01	3.3	0.5	0.13	6	<0.5	<0.2
REP 102108	QC	8	34	0.74	229	0.158	<1	1.98	0.024	0.88	<0.1	<0.01	3.2	0.4	0.13	7	<0.5	<0.2
118382	Soil	4	291	3.17	89	0.024	1	1.39	0.006	0.02	0.4	<0.01	2.3	0.1	<0.05	4	<0.5	<0.2
REP 118382	QC	5	303	3.35	88	0.025	2	1.42	0.006	0.02	0.3	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
118402	Soil	21	135	1.79	293	0.224	1	4.02	0.010	0.98	0.1	0.02	10.0	0.5	<0.05	14	0.7	<0.2
REP 118402	QC	21	132	1.82	290	0.225	<1	3.93	0.010	0.95	0.1	0.02	9.8	0.5	<0.05	14	<0.5	<0.2
118421	Soil	13	27	0.44	111	0.040	<1	1.55	0.005	0.08	0.2	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
REP 118421	QC	13	28	0.47	115	0.043	<1	1.65	0.006	0.08	0.2	0.01	2.3	0.2	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	123	0.62	287	0.117	4	0.90	0.087	0.42	3.2	0.19	2.1	5.4	0.19	5	5.1	5.2
STD DS8	Standard	14	120	0.60	290	0.114	3	0.87	0.082	0.42	3.0	0.22	2.1	5.5	0.16	5	4.8	5.0
STD DS8	Standard	13	113	0.58	267	0.111	3	0.86	0.081	0.39	2.9	0.18	1.9	5.3	0.14	4	4.9	5.0
STD DS8	Standard	13	109	0.59	268	0.109	2	0.85	0.086	0.39	2.8	0.19	2.0	5.1	0.14	4	4.7	4.6
STD DS8	Standard	11	111	0.61	267	0.106	2	0.85	0.081	0.41	2.9	0.18	1.8	5.3	0.20	4	6.7	5.1
STD DS8	Standard	12	107	0.57	274	0.107	2	0.84	0.082	0.40	3.0	0.19	1.9	5.4	0.17	5	6.5	4.3
STD DS8	Standard	14	116	0.59	293	0.114	3	0.92	0.114	0.40	3.2	0.16	3.0	5.4	0.18	5	6.0	4.8
STD DS8	Standard	14	118	0.59	294	0.118	4	0.93	0.101	0.41	3.0	0.20	3.6	5.4	0.15	5	5.5	4.9
STD DS8	Standard	13	107	0.60	267	0.101	2	0.89	0.088	0.40	2.8	0.18	2.2	5.1	0.16	4	4.8	5.1
STD DS8	Standard	14	116	0.62	280	0.111	2	0.94	0.093	0.45	3.1	0.18	2.4	5.2	0.20	5	5.0	4.9
STD DS8	Standard	15	122	0.63	280	0.119	2	0.95	0.090	0.42	3.0	0.19	2.1	5.5	0.21	5	6.0	5.4
STD DS8	Standard	15	115	0.63	289	0.119	2	0.95	0.087	0.43	3.2	0.20	2.1	5.4	0.19	5	5.1	5.3
STD DS8	Standard	13	114	0.58	256	0.113	3	0.82	0.076	0.39	2.9	0.18	1.8	5.2	0.21	4	4.9	5.2
STD DS8	Standard	15	109	0.57	255	0.117	3	0.83	0.081	0.38	2.9	0.20	1.8	5.4	0.19	4	4.4	5.0
STD DS8	Standard	14	111	0.58	273	0.110	3	0.88	0.086	0.41	2.8	0.22	2.0	5.2	0.19	4	5.4	4.8
STD DS8	Standard	15	112	0.58	272	0.113	3	0.89	0.086	0.41	3.0	0.20	2.0	5.1	0.16	5	5.3	5.1
STD DS8	Standard	13	105	0.58	246	0.101	1	0.86	0.081	0.39	2.7	0.18	1.8	4.7	0.15	4	4.7	5.1
STD DS8	Standard	13	99	0.57	257	0.102	3	0.84	0.083	0.38	2.8	0.20	1.8	5.0	0.16	4	5.2	4.3
STD DS8	Standard	15	116	0.59	284	0.124	3	0.92	0.099	0.44	2.9	0.21	2.6	5.5	0.12	5	4.9	5.0
STD DS8	Standard	15	106	0.58	261	0.108	2	0.87	0.070	0.39	2.7	0.21	2.0	5.1	0.12	4	5.0	4.6

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Report Date: August 04, 2011

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

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



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Project: Burnham

Report Date: August 04, 2011

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000565.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 13, 2011
Report Date: August 05, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000566.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 2011702105809-094117
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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: Burnham
 Report Date: August 05, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method Analyte	1DX15																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
118435	Soil	0.6	34.3	9.8	75	<0.1	49.5	18.1	361	3.97	4.8	1.6	1.3	9.8	60	<0.1	0.2	0.2	63	0.67	0.058
118436	Soil	1.3	21.6	12.7	52	<0.1	25.1	12.0	207	3.09	10.6	1.0	1.4	4.7	21	<0.1	0.5	0.3	63	0.31	0.035
118437	Soil	0.8	29.6	9.6	60	<0.1	38.1	16.4	245	3.97	6.1	1.3	2.9	6.7	39	0.1	0.3	0.3	68	0.26	0.080
118438	Soil	0.7	36.9	10.7	80	<0.1	61.8	24.7	257	4.69	6.2	1.0	1.8	6.3	57	0.1	0.3	0.2	95	0.41	0.059
118439	Soil	1.1	18.4	13.5	61	<0.1	23.4	13.0	360	3.12	8.4	1.3	3.3	7.0	30	<0.1	0.5	0.2	67	0.24	0.032
118440	Soil	0.9	17.0	11.5	52	<0.1	18.4	9.7	283	2.52	9.9	0.9	2.3	5.5	24	<0.1	0.5	0.2	53	0.19	0.027
103271	Soil	0.6	64.3	11.8	62	<0.1	7.4	2.2	370	3.76	1.3	1.1	1.2	5.1	30	<0.1	<0.1	0.6	25	0.36	0.031
103272	Soil	0.4	38.5	16.2	81	<0.1	13.3	6.8	221	4.26	1.0	1.2	4.7	5.6	34	<0.1	<0.1	0.3	46	0.12	0.021
103273	Soil	0.2	129.7	2.8	44	<0.1	63.6	29.0	392	3.59	1.4	0.2	0.9	0.8	25	<0.1	<0.1	<0.1	100	1.05	0.212
103274	Soil	0.9	30.2	16.8	77	<0.1	30.0	15.2	397	3.99	5.7	1.3	1.3	8.0	13	0.1	0.3	0.3	50	0.16	0.052
103275	Soil	0.9	17.5	11.2	61	<0.1	26.8	11.5	209	2.78	9.7	0.7	1.8	6.1	21	<0.1	0.6	0.2	54	0.13	0.014
103276	Soil	0.7	52.7	11.4	56	<0.1	54.8	21.5	373	5.60	2.4	1.1	0.9	7.1	21	<0.1	0.2	0.2	73	0.12	0.041
103277	Soil	0.9	41.1	11.3	39	<0.1	47.4	22.7	327	4.67	5.1	0.8	1.9	4.4	16	<0.1	0.3	0.3	88	0.17	0.061
103278	Soil	1.4	58.4	12.0	59	<0.1	53.2	18.2	357	4.00	8.3	1.8	5.5	11.6	85	<0.1	0.6	0.4	65	0.57	0.018
103279	Soil	1.7	46.0	12.5	62	<0.1	51.6	13.6	266	3.36	7.0	2.6	5.0	13.9	32	<0.1	0.5	0.4	53	0.43	0.021
103280	Soil	0.9	46.5	20.0	81	<0.1	44.1	16.2	294	4.28	3.5	2.6	2.2	14.8	40	<0.1	0.3	0.4	49	0.39	0.039
103281	Soil	0.8	42.1	8.0	63	<0.1	46.5	16.2	315	4.58	3.1	2.3	1.7	20.8	122	0.1	0.4	0.4	61	0.48	0.038
103282	Soil	1.2	32.6	12.5	67	0.1	33.4	12.3	438	3.03	9.8	1.1	4.7	7.7	27	<0.1	0.9	0.3	49	0.30	0.046
103283	Soil	0.3	36.4	13.6	84	<0.1	41.0	15.2	332	4.55	2.0	2.2	3.5	11.6	27	<0.1	0.2	0.3	59	0.21	0.037
103284	Soil	0.3	23.5	13.1	76	<0.1	39.5	12.3	221	3.02	2.2	2.5	1.8	11.3	47	<0.1	0.1	0.2	38	0.68	0.039
103285	Soil	0.3	28.8	12.9	73	<0.1	40.1	16.7	751	3.96	3.6	2.0	2.5	16.7	455	<0.1	0.2	0.3	55	2.01	0.049
103286	Soil	0.2	30.3	11.8	108	0.1	41.7	18.7	537	5.89	3.9	2.3	3.5	17.6	609	<0.1	0.1	0.5	72	1.96	0.052
103287	Soil	0.2	24.4	6.4	77	<0.1	42.7	22.1	383	4.47	4.6	1.2	3.1	16.3	71	<0.1	0.1	0.4	52	0.68	0.062
103288	Soil	0.6	34.0	8.5	47	<0.1	62.1	13.6	231	2.61	9.9	0.6	3.7	4.0	21	<0.1	0.4	0.3	49	0.30	0.059
103289	Soil	0.9	26.7	13.2	59	0.1	31.4	12.0	229	2.61	9.6	0.8	3.1	4.9	15	<0.1	0.6	0.3	45	0.15	0.039
103290	Soil	0.8	28.8	12.9	57	<0.1	31.0	11.6	221	2.59	9.9	0.8	2.3	5.2	15	<0.1	0.6	0.3	46	0.15	0.034
103291	Soil	0.5	20.1	7.7	49	<0.1	56.5	16.0	201	2.17	4.1	0.3	0.7	2.3	38	0.1	0.2	0.1	48	0.91	0.292
103292	Soil	0.5	58.0	6.7	67	<0.1	67.1	23.6	398	4.83	5.6	1.1	0.6	9.5	21	<0.1	0.2	0.1	92	0.45	0.053
103293	Soil	0.8	38.4	8.0	81	<0.1	38.4	22.3	562	5.87	4.5	1.6	1.0	15.4	25	0.1	0.2	0.2	107	0.74	0.142
103294	Soil	0.5	16.0	6.1	51	<0.1	17.9	7.9	175	2.11	6.9	1.7	3.3	4.8	19	<0.1	0.3	0.2	35	0.27	0.078

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.



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Project: Burnham
 Report Date: August 05, 2011

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
118435	Soil	24	64	1.26	223	0.221	<1	3.37	0.012	0.32	0.2	<0.01	5.3	0.3	<0.05	11	<0.5	<0.2
118436	Soil	14	37	0.54	234	0.071	1	2.18	0.009	0.10	0.2	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
118437	Soil	20	55	1.02	232	0.157	<1	2.88	0.014	0.70	0.1	0.02	4.4	0.5	<0.05	9	<0.5	<0.2
118438	Soil	17	79	1.20	241	0.216	<1	3.41	0.013	0.82	0.2	0.02	6.1	0.4	<0.05	12	<0.5	<0.2
118439	Soil	16	42	0.60	234	0.122	1	2.31	0.013	0.18	0.2	0.02	4.4	0.1	<0.05	7	<0.5	<0.2
118440	Soil	14	32	0.47	179	0.069	1	1.80	0.009	0.07	0.2	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
103271	Soil	14	34	0.63	134	0.080	<1	2.00	0.009	0.36	<0.1	<0.01	3.9	0.4	<0.05	7	<0.5	<0.2
103272	Soil	18	47	0.80	250	0.202	<1	2.54	0.016	1.09	<0.1	<0.01	5.2	0.6	<0.05	8	<0.5	<0.2
103273	Soil	6	208	1.47	279	0.164	<1	2.27	0.046	0.17	0.1	<0.01	4.3	<0.1	<0.05	7	<0.5	<0.2
103274	Soil	19	42	0.73	116	0.121	<1	2.22	0.007	0.29	0.1	0.01	3.0	0.1	<0.05	8	<0.5	<0.2
103275	Soil	13	39	0.68	149	0.072	<1	2.36	0.008	0.07	0.1	<0.01	3.2	0.1	<0.05	6	<0.5	<0.2
103276	Soil	20	57	1.09	263	0.206	<1	3.20	0.017	1.11	<0.1	<0.01	5.6	0.5	<0.05	11	<0.5	<0.2
103277	Soil	12	53	1.10	288	0.201	<1	3.04	0.014	0.97	0.1	0.01	5.5	0.4	<0.05	9	<0.5	<0.2
103278	Soil	38	68	0.78	297	0.124	<1	3.67	0.048	0.14	0.2	0.05	8.3	0.1	<0.05	11	0.8	<0.2
103279	Soil	40	61	0.67	207	0.119	<1	2.16	0.013	0.10	0.1	0.06	6.7	0.1	<0.05	7	<0.5	<0.2
103280	Soil	37	52	0.79	297	0.172	<1	2.95	0.012	0.56	<0.1	0.02	6.3	0.4	<0.05	9	<0.5	<0.2
103281	Soil	46	79	0.94	466	0.181	<1	4.84	0.016	0.38	<0.1	0.04	10.1	0.3	<0.05	15	<0.5	<0.2
103282	Soil	21	39	0.48	324	0.095	<1	1.85	0.010	0.11	0.2	0.05	4.7	0.1	<0.05	6	<0.5	<0.2
103283	Soil	26	61	1.06	337	0.211	<1	3.10	0.012	0.89	<0.1	0.01	7.1	0.5	<0.05	12	<0.5	<0.2
103284	Soil	36	42	0.70	198	0.138	<1	2.68	0.010	0.62	<0.1	<0.01	4.4	0.4	<0.05	8	<0.5	<0.2
103285	Soil	44	71	0.80	156	0.174	2	4.85	0.150	0.40	0.2	0.03	7.9	0.2	<0.05	15	<0.5	<0.2
103286	Soil	57	97	1.19	163	0.260	3	5.85	0.189	0.87	0.2	0.01	11.6	0.5	<0.05	19	<0.5	<0.2
103287	Soil	45	50	0.94	166	0.262	1	3.08	0.026	0.67	0.2	0.01	6.1	0.3	<0.05	10	0.9	<0.2
103288	Soil	15	71	0.56	171	0.072	<1	1.64	0.009	0.09	0.2	<0.01	2.7	0.1	<0.05	5	<0.5	<0.2
103289	Soil	14	33	0.49	102	0.064	<1	1.52	0.008	0.10	0.1	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
103290	Soil	14	32	0.48	102	0.070	<1	1.51	0.007	0.09	0.1	<0.01	3.0	0.1	<0.05	4	<0.5	<0.2
103291	Soil	12	80	1.22	153	0.156	1	1.96	0.028	0.06	0.1	<0.01	1.6	<0.1	<0.05	6	<0.5	<0.2
103292	Soil	22	124	1.49	188	0.317	<1	3.10	0.012	0.29	0.2	<0.01	6.7	0.2	<0.05	12	<0.5	<0.2
103293	Soil	27	92	1.33	158	0.286	<1	2.95	0.011	0.36	0.2	0.01	9.1	0.1	<0.05	14	<0.5	<0.2
103294	Soil	17	24	0.39	225	0.061	<1	1.08	0.007	0.08	0.4	0.03	3.3	0.1	<0.05	3	<0.5	<0.2

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Project: Burnham
 Report Date: August 05, 2011

Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
103295	Soil	0.9	17.0	9.9	67	<0.1	19.3	9.0	467	2.64	11.9	1.5	2.0	2.8	13	0.2	0.5	0.3	46	0.17	0.071
103296	Soil	1.0	13.9	11.1	59	0.1	15.4	9.5	634	2.66	9.3	1.4	3.4	1.6	10	0.2	0.4	0.4	51	0.11	0.072
103297	Soil	1.2	16.4	9.7	60	<0.1	16.0	7.6	330	2.58	10.3	1.9	4.9	3.4	12	0.2	0.5	0.3	48	0.15	0.064
103298	Soil	1.0	23.2	9.9	57	0.2	20.1	7.5	334	2.33	6.8	4.0	1.7	1.1	16	0.2	0.5	0.4	41	0.18	0.070
103299	Soil	1.2	13.7	12.2	55	<0.1	13.9	5.4	231	3.14	9.1	1.6	1.9	2.9	11	0.2	0.5	1.0	57	0.11	0.055
103300	Soil	1.3	16.1	9.8	50	<0.1	15.7	5.9	229	2.44	7.2	2.0	4.3	2.0	11	0.2	0.5	0.7	41	0.12	0.048
103301	Soil	1.1	14.6	8.4	59	<0.1	22.3	8.9	311	3.18	7.9	1.5	<0.5	6.2	9	0.2	0.7	0.3	37	0.11	0.032
103302	Soil	1.2	14.5	13.4	59	<0.1	19.5	12.0	473	3.14	12.2	1.1	3.9	3.6	11	0.2	0.7	0.4	44	0.11	0.070
103303	Soil	1.0	13.9	10.1	50	<0.1	16.3	6.9	262	2.52	6.7	2.4	3.3	4.2	11	0.2	0.4	0.3	38	0.18	0.070
103304	Soil	1.0	19.7	10.4	66	<0.1	19.6	8.5	322	2.98	9.3	1.9	2.0	7.0	13	0.2	0.6	0.3	46	0.19	0.066
103305	Soil	1.0	15.5	10.0	61	<0.1	16.1	6.6	256	2.96	6.3	2.3	5.3	5.5	11	0.1	0.4	0.3	42	0.18	0.074
103306	Soil	1.1	14.3	10.6	55	<0.1	14.8	6.9	269	2.50	7.8	1.9	2.8	2.6	11	0.2	0.5	0.3	46	0.15	0.066
103307	Soil	1.4	21.6	11.3	41	0.1	10.9	5.4	138	2.00	4.5	3.7	10.9	8.5	10	0.1	0.4	1.2	23	0.19	0.082
103308	Soil	5.2	17.0	18.3	68	0.3	16.9	9.8	536	3.32	7.5	2.7	3.7	6.1	15	0.2	0.5	2.0	41	0.21	0.078
103309	Soil	1.2	15.9	9.7	58	<0.1	16.5	7.1	230	2.31	7.1	1.6	3.2	4.7	16	0.2	0.5	0.3	42	0.24	0.081
103310	Soil	1.6	15.3	13.0	48	<0.1	15.7	6.1	232	2.53	10.9	0.9	0.6	2.6	10	0.2	0.6	0.5	58	0.09	0.037
103311	Soil	1.8	18.0	14.7	53	<0.1	17.4	6.3	225	2.30	7.1	1.0	2.7	5.1	12	0.3	0.4	0.6	40	0.15	0.049
103312	Soil	0.9	16.7	10.9	65	<0.1	17.4	8.0	252	2.76	6.8	2.0	<0.5	9.7	13	<0.1	0.4	0.3	40	0.22	0.080
103313	Soil	0.8	13.3	10.1	53	<0.1	14.9	5.7	183	2.36	4.5	2.9	<0.5	9.5	13	<0.1	0.5	0.4	34	0.21	0.069
103314	Soil	1.4	16.9	12.3	58	<0.1	14.8	6.4	348	2.50	3.9	3.7	8.0	16.4	10	0.1	0.4	0.4	28	0.26	0.116
103315	Soil	2.7	32.1	17.0	76	<0.1	26.4	12.6	664	4.08	13.1	3.0	3.0	11.0	14	0.3	0.7	0.7	58	0.16	0.086
103316	Soil	1.7	25.3	12.8	52	0.1	15.6	6.2	204	2.14	6.0	2.4	2.4	6.8	14	<0.1	0.5	1.2	37	0.19	0.063
103317	Soil	1.6	17.3	14.8	52	<0.1	16.6	6.9	234	2.83	9.0	1.4	<0.5	5.2	11	0.3	0.5	2.5	52	0.13	0.045
103318	Soil	1.1	27.3	10.2	59	0.1	17.1	7.0	209	2.65	5.4	2.8	2.3	12.8	15	0.2	0.5	1.1	41	0.23	0.064
103319	Soil	0.8	17.5	10.5	55	<0.1	16.3	6.2	176	2.48	7.5	1.4	1.5	9.4	9	0.1	0.4	0.5	42	0.14	0.053
103320	Soil	0.7	27.2	12.3	80	<0.1	19.3	10.4	416	3.41	5.5	3.0	1.6	28.7	11	<0.1	0.3	1.3	39	0.21	0.077
103321	Soil	1.2	30.6	10.2	45	<0.1	15.6	7.0	213	2.98	8.6	1.4	1.6	10.0	8	<0.1	0.5	1.7	41	0.09	0.036
103322	Soil	1.0	32.2	11.3	58	<0.1	16.5	9.5	331	3.20	6.9	1.2	3.2	10.5	6	<0.1	0.5	4.3	41	0.06	0.028
103323	Soil	1.3	52.6	10.5	60	<0.1	24.2	11.9	310	3.44	9.8	1.3	1.1	10.6	9	0.1	0.6	6.3	44	0.07	0.034
103324	Soil	1.2	14.3	10.1	45	0.1	17.3	6.9	196	2.47	9.5	0.6	5.3	1.8	9	0.2	0.6	0.6	50	0.08	0.036

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 Report Date: August 05, 2011

Page: 3 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
103295	Soil	14	26	0.40	147	0.043	2	1.44	0.007	0.08	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
103296	Soil	12	26	0.37	147	0.039	1	1.58	0.008	0.08	0.2	0.03	1.7	0.2	<0.05	7	0.7	<0.2
103297	Soil	14	26	0.40	144	0.048	2	1.55	0.006	0.09	0.3	0.04	2.3	0.1	<0.05	6	1.2	<0.2
103298	Soil	18	23	0.37	205	0.039	2	1.46	0.009	0.11	0.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
103299	Soil	14	20	0.32	141	0.065	2	1.33	0.006	0.11	0.3	<0.01	1.9	0.2	<0.05	8	<0.5	<0.2
103300	Soil	17	21	0.39	119	0.043	1	1.54	0.006	0.15	0.8	<0.01	1.6	0.3	<0.05	6	0.6	<0.2
103301	Soil	15	22	0.58	108	0.074	1	2.08	0.007	0.24	0.3	0.02	2.2	0.4	<0.05	6	0.8	<0.2
103302	Soil	16	27	0.43	132	0.032	<1	1.76	0.007	0.05	0.3	0.05	2.6	0.1	<0.05	4	0.8	<0.2
103303	Soil	24	22	0.42	133	0.050	2	1.60	0.007	0.19	0.3	0.02	1.9	0.3	<0.05	6	0.7	<0.2
103304	Soil	24	24	0.42	155	0.055	1	1.71	0.007	0.11	0.5	0.03	2.6	0.2	<0.05	6	<0.5	<0.2
103305	Soil	26	22	0.38	128	0.056	<1	1.70	0.008	0.13	0.4	0.01	2.0	0.3	<0.05	7	<0.5	<0.2
103306	Soil	26	24	0.38	145	0.041	2	1.58	0.006	0.09	0.4	0.03	1.8	0.2	<0.05	6	0.6	<0.2
103307	Soil	35	15	0.25	101	0.021	<1	1.11	0.005	0.05	0.3	0.03	1.7	0.1	<0.05	3	0.8	<0.2
103308	Soil	29	25	0.30	251	0.014	<1	1.69	0.007	0.09	0.3	0.03	2.3	0.2	<0.05	6	0.5	<0.2
103309	Soil	16	25	0.38	117	0.056	1	1.43	0.006	0.07	0.2	0.03	2.5	0.1	<0.05	5	0.7	<0.2
103310	Soil	13	22	0.27	93	0.050	2	1.50	0.006	0.06	0.2	0.04	1.8	0.1	<0.05	7	0.8	<0.2
103311	Soil	14	23	0.34	144	0.036	1	1.59	0.006	0.06	0.2	0.03	2.1	0.1	<0.05	5	0.5	<0.2
103312	Soil	27	25	0.44	143	0.055	2	1.92	0.006	0.13	0.7	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
103313	Soil	34	20	0.38	115	0.048	<1	1.56	0.006	0.11	0.3	0.03	2.3	0.2	<0.05	5	0.7	<0.2
103314	Soil	40	18	0.28	145	0.029	1	1.30	0.005	0.08	0.4	0.01	2.1	0.1	<0.05	4	<0.5	<0.2
103315	Soil	28	34	0.43	238	0.032	2	2.46	0.007	0.10	0.3	0.03	3.9	0.2	<0.05	6	0.5	<0.2
103316	Soil	28	23	0.33	183	0.034	1	1.34	0.006	0.07	0.2	0.04	2.7	0.1	<0.05	4	<0.5	<0.2
103317	Soil	20	25	0.35	144	0.050	2	1.81	0.007	0.07	0.2	0.03	2.5	0.1	<0.05	6	0.8	<0.2
103318	Soil	44	26	0.44	221	0.066	2	1.74	0.007	0.13	0.4	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
103319	Soil	29	26	0.43	105	0.051	2	1.75	0.006	0.11	0.3	0.05	2.3	0.2	<0.05	6	0.7	<0.2
103320	Soil	66	26	0.53	164	0.093	<1	2.06	0.007	0.36	1.1	0.03	3.1	0.4	<0.05	9	0.6	<0.2
103321	Soil	22	21	0.35	84	0.052	3	1.76	0.005	0.10	1.1	0.04	1.9	0.1	<0.05	5	1.1	<0.2
103322	Soil	25	20	0.37	115	0.065	2	1.72	0.004	0.16	1.7	0.02	2.0	0.2	<0.05	7	0.9	0.3
103323	Soil	18	24	0.40	151	0.058	2	2.00	0.007	0.13	4.5	0.04	2.1	0.2	<0.05	6	1.4	<0.2
103324	Soil	11	20	0.26	118	0.029	3	1.37	0.005	0.05	0.3	0.04	1.3	<0.1	<0.05	5	1.1	<0.2

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Page: 4 of 12 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
102116	Soil	1.0	17.7	10.1	53	<0.1	20.4	9.6	345	2.65	11.0	1.4	3.1	5.1	9	0.2	0.7	0.4	42	0.11	0.053
102117	Soil	1.1	15.3	10.9	57	<0.1	17.8	8.5	287	2.68	8.9	2.6	4.0	8.9	8	<0.1	0.5	0.4	40	0.09	0.029
102118	Soil	0.7	9.3	9.9	70	<0.1	8.3	5.5	325	2.92	3.2	3.8	<0.5	18.2	4	0.1	0.2	0.4	17	0.14	0.099
102119	Soil	0.5	10.8	9.6	66	<0.1	8.7	5.4	287	2.40	3.9	5.8	2.3	18.6	5	<0.1	0.2	0.6	18	0.11	0.056
102120	Soil	0.5	3.3	9.1	62	<0.1	3.4	3.4	593	1.87	0.9	5.9	1.0	13.2	3	<0.1	<0.1	0.6	8	0.24	0.155
102121	Soil	0.5	13.2	12.7	77	<0.1	6.0	4.4	364	2.31	2.6	8.2	1.3	17.6	3	<0.1	0.1	1.0	11	0.16	0.102
102122	Soil	0.6	6.3	9.2	106	<0.1	7.9	4.7	266	2.48	2.7	9.7	0.9	21.1	4	<0.1	0.1	0.2	13	0.08	0.054
102123	Soil	0.4	22.0	8.6	100	<0.1	6.7	4.0	411	1.98	2.2	3.8	0.5	18.5	4	<0.1	0.2	0.5	9	0.17	0.102
102124	Soil	1.2	9.7	7.3	98	<0.1	5.2	4.2	376	2.09	2.8	8.0	2.9	13.6	3	<0.1	0.2	4.7	15	0.20	0.126
102125	Soil	0.8	11.8	7.2	82	<0.1	12.2	5.4	326	2.28	3.0	6.9	1.7	13.2	4	0.1	0.2	1.1	17	0.10	0.056
102126	Soil	0.8	50.9	10.8	61	<0.1	42.2	18.3	854	4.71	<0.5	1.0	3.5	2.8	19	0.1	<0.1	1.0	48	0.21	0.055
102127	Soil	1.1	51.4	19.6	80	<0.1	55.2	29.2	721	6.22	0.8	1.9	0.8	8.3	7	<0.1	0.1	0.6	31	0.08	0.048
102128	Soil	1.1	18.1	30.7	38	<0.1	13.8	4.4	247	1.54	7.0	5.9	0.7	8.3	12	<0.1	0.4	1.4	24	0.16	0.046
102129	Soil	0.7	31.5	12.9	86	<0.1	178.5	21.6	350	5.28	4.4	0.8	<0.5	5.3	9	<0.1	0.1	0.3	87	0.28	0.097
102130	Soil	0.8	45.0	11.5	84	<0.1	51.8	20.6	367	5.90	1.6	1.7	1.0	8.1	18	<0.1	0.2	0.3	104	0.26	0.069
102131	Soil	0.7	58.6	7.0	105	<0.1	46.2	17.9	391	4.71	0.9	1.7	0.7	14.2	13	<0.1	<0.1	0.2	103	0.43	0.111
102132	Soil	0.3	44.2	11.5	85	<0.1	73.4	19.7	403	5.31	3.7	3.2	1.7	10.6	26	0.1	0.1	0.4	81	0.42	0.106
102133	Soil	1.7	49.7	10.7	68	<0.1	68.5	36.7	809	5.87	<0.5	1.5	<0.5	2.8	14	<0.1	<0.1	0.5	76	0.25	0.109
102134	Soil	1.4	51.8	19.5	122	<0.1	64.3	19.0	328	5.68	1.0	2.8	1.9	13.5	18	0.1	<0.1	0.4	64	0.17	0.052
102135	Soil	0.8	44.2	15.2	83	<0.1	56.3	16.5	430	4.19	3.3	1.8	1.1	10.7	19	<0.1	0.2	0.5	58	0.31	0.064
102136	Soil	0.6	26.1	9.2	60	<0.1	32.4	10.2	287	3.03	5.0	1.3	2.5	6.1	18	<0.1	0.3	0.3	44	0.23	0.051
102137	Soil	2.5	6.4	15.0	65	<0.1	8.3	6.5	466	3.93	9.4	15.6	<0.5	14.3	2	<0.1	0.3	0.3	15	0.04	0.047
102138	Soil	1.1	17.3	14.9	66	<0.1	16.3	7.2	287	2.33	7.1	2.9	2.8	9.3	10	0.1	0.4	0.3	36	0.14	0.064
102139	Soil	1.0	14.2	13.2	75	<0.1	18.2	7.8	320	2.56	7.7	5.8	7.8	8.3	10	0.3	0.5	0.3	34	0.16	0.071
102140	Soil	1.0	18.9	11.3	55	<0.1	15.7	6.3	225	2.14	6.9	2.1	3.1	6.2	14	0.2	0.5	0.2	38	0.18	0.056
102141	Soil	1.2	6.6	16.7	52	<0.1	7.9	4.9	370	2.21	10.0	9.7	0.7	19.1	6	<0.1	0.2	0.4	16	0.17	0.087
102142	Soil	1.0	31.6	10.4	54	<0.1	19.7	7.3	275	2.26	10.9	2.9	4.4	5.4	19	<0.1	0.6	0.5	42	0.19	0.042
102143	Soil	1.2	20.3	9.3	52	0.1	16.5	7.2	182	2.22	5.3	3.6	1.1	4.1	13	<0.1	0.3	0.5	35	0.16	0.047
102144	Soil	1.2	31.6	12.7	69	<0.1	27.4	12.3	307	4.33	2.9	2.1	1.8	5.5	15	0.2	0.2	0.5	40	0.12	0.044
102145	Soil	1.3	7.9	9.6	41	<0.1	6.1	4.2	248	2.12	3.5	4.1	2.3	29.1	5	<0.1	0.3	0.3	13	0.31	0.147

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Project: Burnham
 Report Date: August 05, 2011

Page: 4 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
102116	Soil	13	24	0.36	120	0.035	2	1.38	0.005	0.05	0.2	0.02	2.2	0.1	<0.05	4	0.9	<0.2
102117	Soil	17	24	0.36	176	0.033	2	1.59	0.005	0.08	0.2	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
102118	Soil	26	11	0.20	112	0.050	2	2.09	0.006	0.31	0.4	0.03	1.1	0.6	<0.05	8	0.5	<0.2
102119	Soil	25	11	0.25	135	0.042	1	1.53	0.005	0.23	3.8	0.02	1.9	0.5	<0.05	7	1.2	<0.2
102120	Soil	14	5	0.12	43	0.024	<1	1.49	0.005	0.24	0.4	0.01	0.6	0.4	<0.05	6	1.0	<0.2
102121	Soil	20	7	0.13	65	0.023	1	1.59	0.005	0.18	0.3	<0.01	1.3	0.4	<0.05	7	<0.5	<0.2
102122	Soil	23	9	0.17	71	0.014	<1	1.39	0.006	0.15	0.3	0.02	1.7	0.3	<0.05	8	0.7	<0.2
102123	Soil	14	8	0.14	91	0.062	<1	1.60	0.007	0.37	0.4	<0.01	1.4	0.8	<0.05	7	<0.5	<0.2
102124	Soil	11	9	0.11	63	0.038	<1	1.34	0.006	0.27	0.6	<0.01	1.0	0.5	<0.05	7	<0.5	<0.2
102125	Soil	12	10	0.17	111	0.025	<1	1.45	0.005	0.19	0.8	0.02	1.3	0.5	<0.05	6	1.1	<0.2
102126	Soil	10	41	0.58	321	0.101	<1	2.06	0.012	0.57	0.4	<0.01	5.6	0.3	<0.05	7	0.6	<0.2
102127	Soil	26	44	0.82	148	0.021	1	2.15	0.003	0.12	<0.1	<0.01	3.3	0.1	<0.05	7	<0.5	<0.2
102128	Soil	18	16	0.20	115	0.012	<1	0.84	0.003	0.03	1.2	0.04	2.1	<0.1	<0.05	3	1.0	<0.2
102129	Soil	8	153	2.40	241	0.252	<1	3.70	0.006	0.27	0.2	0.02	4.4	0.3	<0.05	13	0.7	<0.2
102130	Soil	25	88	1.56	277	0.220	<1	3.27	0.010	0.54	<0.1	<0.01	8.1	0.3	<0.05	12	0.8	<0.2
102131	Soil	36	76	1.36	286	0.249	1	3.50	0.011	0.43	0.4	0.02	6.6	0.2	<0.05	15	0.9	<0.2
102132	Soil	26	88	1.13	263	0.076	<1	2.36	0.007	0.31	0.4	0.01	6.4	0.2	<0.05	9	<0.5	<0.2
102133	Soil	7	68	1.04	241	0.165	<1	2.87	0.009	0.72	0.2	0.01	7.0	0.3	<0.05	10	0.8	<0.2
102134	Soil	25	64	1.20	173	0.092	<1	2.54	0.006	0.15	<0.1	<0.01	4.3	0.1	<0.05	10	<0.5	<0.2
102135	Soil	24	58	1.04	250	0.086	1	1.91	0.007	0.09	0.2	<0.01	4.0	<0.1	<0.05	9	<0.5	<0.2
102136	Soil	16	38	0.53	177	0.049	<1	1.29	0.006	0.06	0.3	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
102137	Soil	16	10	0.08	41	0.003	<1	1.11	0.004	0.06	0.2	0.02	1.1	0.2	<0.05	3	0.9	<0.2
102138	Soil	20	21	0.30	178	0.024	<1	1.42	0.005	0.06	0.2	0.03	2.0	0.1	<0.05	5	1.0	<0.2
102139	Soil	16	19	0.30	112	0.022	<1	1.28	0.005	0.06	0.2	0.02	1.6	0.1	<0.05	4	0.8	<0.2
102140	Soil	18	21	0.33	189	0.035	<1	1.29	0.006	0.07	0.2	0.03	2.3	0.1	<0.05	5	0.7	<0.2
102141	Soil	27	12	0.14	57	0.007	<1	1.28	0.005	0.16	0.2	<0.01	1.3	0.2	<0.05	6	0.8	<0.2
102142	Soil	14	26	0.37	280	0.041	1	1.31	0.007	0.05	0.2	0.05	3.6	<0.1	<0.05	4	0.9	<0.2
102143	Soil	13	23	0.37	125	0.026	<1	1.21	0.005	0.06	0.2	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
102144	Soil	15	33	0.68	277	0.046	<1	1.93	0.009	0.20	0.1	<0.01	2.8	0.2	<0.05	6	0.8	<0.2
102145	Soil	22	8	0.17	95	0.045	<1	1.44	0.006	0.36	0.2	<0.01	1.4	0.5	<0.05	6	<0.5	<0.2

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Page: 5 of 12 Part 1

CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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
102146	Soil	2.3	14.2	28.4	46	<0.1	5.2	1.8	94	2.33	15.6	3.6	4.4	20.1	11	<0.1	0.8	2.0	12	0.06	0.044
102147	Soil	4.0	11.3	17.0	75	<0.1	4.2	2.0	164	5.08	94.8	9.0	1.2	38.0	15	0.2	2.0	0.8	10	0.03	0.118
102148	Soil	1.4	23.0	11.5	64	<0.1	21.6	8.5	341	2.57	15.5	4.6	4.0	17.5	12	0.1	0.9	2.2	39	0.12	0.042
102149	Soil	1.6	9.0	14.2	70	<0.1	8.2	3.5	209	2.88	10.6	3.8	<0.5	12.7	6	<0.1	0.4	1.0	34	0.06	0.043
102150	Soil	0.6	43.7	5.3	117	<0.1	59.5	24.9	356	5.52	4.5	0.7	<0.5	5.2	37	0.6	0.2	0.5	67	0.37	0.025
102151	Soil	0.9	29.5	9.5	80	<0.1	52.5	19.0	318	4.14	7.0	0.8	<0.5	5.2	26	0.4	0.7	1.1	70	0.59	0.027
102152	Soil	1.4	32.7	8.5	39	<0.1	23.5	12.6	340	4.62	3.9	0.7	<0.5	4.6	9	<0.1	0.3	0.5	50	0.03	0.036
102153	Soil	0.8	8.4	9.7	55	<0.1	3.2	1.6	177	1.78	1.6	15.2	<0.5	41.6	6	<0.1	<0.1	0.6	5	0.39	0.190
102154	Soil	0.4	54.0	7.2	88	<0.1	84.2	21.2	387	4.52	<0.5	1.3	<0.5	11.0	23	<0.1	<0.1	0.3	71	0.22	0.070
102155	Soil	0.9	88.1	4.8	103	<0.1	113.9	22.9	453	4.39	0.9	1.1	<0.5	7.3	25	<0.1	<0.1	0.1	140	0.25	0.091
102156	Soil	0.4	76.4	5.8	82	<0.1	65.5	22.6	601	4.01	<0.5	1.0	<0.5	7.4	32	<0.1	<0.1	0.2	126	0.42	0.079
102157	Soil	0.2	58.1	9.9	81	<0.1	59.1	15.2	337	3.88	0.6	1.6	<0.5	8.4	124	<0.1	<0.1	0.3	65	1.14	0.097
102158	Soil	0.5	50.4	7.0	111	<0.1	67.9	22.6	542	4.46	0.6	2.2	<0.5	14.9	46	0.2	<0.1	0.3	72	0.54	0.088
102159	Soil	0.6	44.3	8.6	46	<0.1	50.1	18.6	261	3.69	4.8	1.2	1.6	7.1	19	<0.1	0.2	0.4	62	0.18	0.052
102160	Soil	0.4	52.1	11.3	65	<0.1	83.5	20.1	363	3.95	0.9	1.3	<0.5	13.0	88	<0.1	<0.1	0.2	87	0.94	0.084
102161	Soil	1.5	37.1	11.1	86	0.3	34.0	12.0	273	3.07	3.9	35.6	1.6	10.1	39	0.1	0.2	1.3	40	0.58	0.133
102162	Soil	0.4	2312	51.2	1774	1.2	32.2	18.3	5056	7.39	17.6	2.8	3.0	8.1	67	22.7	4.9	18.7	52	5.42	0.119
102163	Soil	0.9	64.4	4.8	80	<0.1	54.6	23.4	463	4.98	3.8	1.8	<0.5	10.8	40	0.1	0.2	0.4	78	0.82	0.077
102164	Soil	1.0	41.7	3.7	69	<0.1	33.3	13.8	286	3.61	2.8	1.1	<0.5	6.8	30	0.1	0.1	0.3	73	0.57	0.063
103266	Soil	1.0	18.8	10.7	108	<0.1	60.4	18.5	375	3.58	6.0	2.3	1.3	9.5	10	0.1	0.3	0.4	64	0.07	0.049
103267	Soil	1.2	38.3	14.3	86	<0.1	35.7	15.3	541	5.19	3.9	1.5	<0.5	5.4	13	0.1	0.2	0.5	48	0.02	0.051
103268	Soil	0.7	20.9	6.9	58	<0.1	40.3	10.1	312	3.69	0.9	1.9	1.4	6.9	19	<0.1	<0.1	0.7	47	0.16	0.038
103269	Soil	0.5	24.4	7.8	71	<0.1	42.4	13.8	343	3.81	1.5	1.5	1.9	8.7	10	<0.1	<0.1	0.3	49	0.15	0.062
103270	Soil	1.0	12.6	9.8	42	<0.1	15.2	6.3	250	2.55	4.4	1.1	0.6	5.6	12	<0.1	0.2	0.4	43	0.08	0.024
103325	Soil	0.9	18.6	12.4	62	<0.1	17.7	8.4	314	2.58	7.2	1.3	4.5	10.7	13	0.2	0.5	1.1	40	0.16	0.052
103326	Soil	0.9	21.2	11.9	57	<0.1	18.0	7.6	297	2.49	8.4	1.6	1.7	7.3	13	0.2	0.6	0.5	43	0.16	0.065
104276	Soil	0.7	37.7	12.6	84	<0.1	35.9	14.4	353	3.42	3.0	1.3	<0.5	9.5	70	<0.1	0.2	0.3	79	0.81	0.062
104277	Soil	0.7	68.7	16.0	110	<0.1	61.2	15.3	507	3.30	1.7	2.8	<0.5	8.5	77	0.1	0.2	0.5	102	0.61	0.054
104278	Soil	0.6	59.9	11.5	62	<0.1	60.4	16.7	370	3.17	3.6	0.8	0.6	5.6	46	0.1	0.3	0.2	89	0.62	0.049
104279	Soil	0.9	62.3	11.1	62	0.3	64.3	21.1	288	3.29	5.3	0.4	<0.5	2.3	24	0.1	0.3	0.1	82	0.34	0.053

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Page: 5 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
102146	Soil	22	7	0.08	92	0.005	<1	1.26	0.009	0.16	0.3	0.02	1.1	0.4	0.10	4	0.5	<0.2
102147	Soil	42	9	0.05	72	0.003	<1	0.82	0.010	0.18	0.3	<0.01	0.5	0.3	0.24	4	0.8	<0.2
102148	Soil	40	27	0.39	151	0.034	2	1.79	0.006	0.10	0.3	0.02	2.2	0.3	<0.05	5	0.6	<0.2
102149	Soil	14	16	0.22	93	0.035	2	1.93	0.006	0.31	0.5	0.02	1.6	0.7	<0.05	8	<0.5	<0.2
102150	Soil	11	95	1.92	225	0.260	<1	5.49	0.023	0.31	1.5	<0.01	4.1	0.4	<0.05	19	0.6	<0.2
102151	Soil	10	68	1.39	280	0.131	<1	4.74	0.010	0.05	2.1	<0.01	3.6	0.2	<0.05	16	<0.5	<0.2
102152	Soil	15	42	0.75	92	0.099	<1	2.34	0.006	0.47	0.4	<0.01	2.4	0.9	<0.05	8	<0.5	<0.2
102153	Soil	35	5	0.05	54	0.016	<1	1.05	0.006	0.16	0.8	<0.01	1.1	0.5	<0.05	4	1.2	<0.2
102154	Soil	20	155	1.66	303	0.243	<1	3.76	0.012	1.17	1.2	0.01	7.9	0.7	<0.05	13	<0.5	<0.2
102155	Soil	19	149	1.86	647	0.326	<1	3.48	0.012	1.01	0.3	<0.01	8.5	0.4	<0.05	12	<0.5	<0.2
102156	Soil	19	131	1.70	789	0.285	<1	3.49	0.016	1.06	0.5	<0.01	8.6	0.4	<0.05	11	0.6	<0.2
102157	Soil	24	100	1.23	568	0.114	<1	4.10	0.028	0.23	0.4	<0.01	6.7	0.1	<0.05	12	<0.5	<0.2
102158	Soil	32	116	1.53	393	0.201	<1	3.29	0.013	0.94	0.6	<0.01	6.9	0.6	<0.05	12	<0.5	<0.2
102159	Soil	23	55	0.98	194	0.129	1	2.68	0.011	0.68	0.3	0.01	4.7	0.6	<0.05	6	0.5	<0.2
102160	Soil	37	134	2.04	528	0.278	<1	4.54	0.029	0.72	1.0	<0.01	8.6	0.6	<0.05	12	<0.5	<0.2
102161	Soil	31	39	0.64	157	0.065	<1	2.51	0.009	0.29	0.7	0.06	4.5	0.4	<0.05	8	1.0	<0.2
102162	Soil	20	42	3.71	47	0.105	11	4.10	0.009	0.03	12.7	<0.01	5.7	0.2	<0.05	22	<0.5	<0.2
102163	Soil	23	90	1.89	192	0.227	<1	4.24	0.024	0.13	1.8	<0.01	4.1	0.1	<0.05	17	<0.5	<0.2
102164	Soil	16	81	1.92	228	0.200	<1	3.04	0.018	0.42	0.6	<0.01	4.1	0.4	<0.05	13	<0.5	<0.2
103266	Soil	17	62	0.70	149	0.073	<1	2.29	0.008	0.20	0.1	0.01	3.8	0.2	<0.05	9	<0.5	<0.2
103267	Soil	15	42	0.64	146	0.165	<1	2.32	0.012	0.78	0.1	0.02	3.1	0.7	<0.05	8	<0.5	<0.2
103268	Soil	15	56	0.93	152	0.166	<1	2.36	0.012	0.71	0.1	<0.01	4.4	0.4	<0.05	9	<0.5	<0.2
103269	Soil	19	59	0.90	250	0.197	<1	2.70	0.014	0.92	<0.1	<0.01	4.3	0.5	<0.05	10	<0.5	<0.2
103270	Soil	14	32	0.47	88	0.088	<1	1.42	0.007	0.19	0.1	0.02	2.0	0.2	<0.05	7	<0.5	<0.2
103325	Soil	24	23	0.42	158	0.065	<1	1.74	0.008	0.11	1.1	0.03	1.9	0.2	<0.05	6	<0.5	<0.2
103326	Soil	29	25	0.41	150	0.047	<1	1.55	0.006	0.07	0.5	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
104276	Soil	22	60	0.99	321	0.168	<1	2.66	0.016	0.11	0.1	0.01	5.5	<0.1	<0.05	9	<0.5	<0.2
104277	Soil	24	86	0.99	755	0.183	<1	2.28	0.015	0.09	<0.1	0.01	7.4	<0.1	0.07	9	1.0	<0.2
104278	Soil	14	100	1.27	343	0.153	<1	2.80	0.018	0.04	0.1	<0.01	5.6	<0.1	<0.05	8	<0.5	<0.2
104279	Soil	6	105	0.99	250	0.144	<1	3.01	0.016	0.09	0.1	0.02	3.0	<0.1	<0.05	8	<0.5	<0.2

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

Project: Burnham
 Report Date: August 05, 2011

Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method Analyte	1DX15																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
104280	Soil	0.7	56.4	28.5	76	0.2	71.9	22.9	473	4.06	5.7	0.5	<0.5	3.2	27	0.2	0.2	0.6	106	0.37	0.038
104281	Soil	0.9	56.8	15.9	469	<0.1	61.2	15.9	708	4.91	1.9	3.5	1.3	21.9	135	0.3	0.1	0.5	104	1.22	0.059
104282	Soil	1.0	90.6	7.2	247	<0.1	61.0	9.5	796	3.29	2.4	1.5	<0.5	5.9	6	0.2	0.1	0.3	97	0.07	0.052
104283	Soil	0.7	48.0	27.3	197	<0.1	41.0	17.4	475	4.89	1.4	1.6	<0.5	15.3	92	0.2	0.1	0.3	99	0.72	0.089
104284	Soil	0.5	44.8	20.6	46	<0.1	142.2	20.1	296	2.62	2.4	0.3	<0.5	1.6	32	0.1	0.1	0.3	61	0.39	0.020
104285	Soil	1.8	49.8	37.1	162	<0.1	37.8	15.2	320	3.85	0.6	4.4	1.0	26.3	121	0.3	<0.1	0.6	50	0.83	0.085
104286	Soil	0.8	19.1	9.9	50	<0.1	19.1	6.8	226	2.54	9.1	2.1	2.0	15.1	25	0.1	0.4	0.2	44	0.19	0.026
104287	Soil	1.3	96.9	20.3	160	<0.1	77.1	14.6	628	3.59	4.6	1.4	0.8	6.8	20	0.2	0.3	0.4	111	0.17	0.038
104288	Soil	0.6	42.6	16.2	59	<0.1	26.8	19.4	487	4.79	5.4	1.5	<0.5	20.3	27	<0.1	0.2	0.2	134	0.38	0.057
104289	Soil	0.5	42.4	7.0	49	<0.1	21.5	23.4	354	3.33	5.0	2.6	1.9	4.8	20	<0.1	0.3	0.1	72	0.53	0.081
104290	Soil	0.5	29.9	7.1	58	<0.1	24.2	18.3	430	3.71	5.5	2.5	1.8	5.1	27	<0.1	0.3	0.2	73	0.50	0.065
104291	Soil	0.8	22.2	3.9	31	<0.1	17.5	16.9	337	3.65	2.8	1.0	<0.5	12.0	16	<0.1	0.1	<0.1	85	0.56	0.129
104292	Soil	0.9	21.6	6.0	29	<0.1	13.7	8.2	503	4.05	4.9	1.9	<0.5	29.8	17	<0.1	0.3	0.2	72	0.17	0.035
104293	Soil	0.3	28.2	9.0	87	<0.1	52.4	30.1	734	4.58	2.2	0.5	<0.5	5.1	13	0.1	0.1	0.2	109	0.54	0.123
104294	Soil	0.2	33.7	12.1	54	<0.1	104.8	28.0	409	5.56	1.9	0.9	<0.5	8.1	111	<0.1	<0.1	0.1	137	1.12	0.095
104295	Soil	0.9	22.4	14.9	63	<0.1	33.2	18.0	967	3.39	3.4	1.0	<0.5	8.1	61	0.1	0.1	0.2	62	0.38	0.076
104296	Soil	0.8	38.9	12.7	113	<0.1	48.7	18.5	365	5.41	5.3	1.7	<0.5	12.8	32	<0.1	0.3	0.3	88	0.22	0.034
104297	Soil	0.5	7.5	12.2	84	<0.1	30.4	15.7	559	3.50	4.6	2.0	<0.5	15.2	8	<0.1	0.1	0.2	37	0.18	0.085
104298	Soil	0.6	51.8	8.6	85	<0.1	51.1	17.6	279	4.46	4.2	2.1	<0.5	12.0	21	<0.1	0.3	0.3	53	0.23	0.067
104299	Soil	0.9	25.1	8.0	42	<0.1	32.9	12.8	261	2.62	7.3	0.3	0.9	2.0	12	0.1	0.4	0.1	57	0.22	0.057
104300	Soil	0.7	37.5	15.7	108	<0.1	48.6	15.0	199	4.84	2.5	3.5	<0.5	15.7	22	<0.1	0.2	0.3	46	0.16	0.027
104301	Soil	0.8	29.7	13.3	70	<0.1	41.4	16.6	300	4.01	7.7	1.3	0.6	10.2	72	<0.1	0.4	0.2	62	0.28	0.032
104302	Soil	0.5	40.0	6.9	36	<0.1	33.6	14.5	209	4.71	1.3	1.2	<0.5	6.8	31	<0.1	<0.1	0.3	49	0.08	0.047
104303	Soil	0.6	41.1	7.0	65	<0.1	21.2	12.3	187	4.18	0.6	1.3	2.6	5.3	76	<0.1	<0.1	0.3	31	0.19	0.048
104304	Soil	0.7	40.5	6.3	57	<0.1	68.8	17.1	274	3.88	1.3	2.0	<0.5	14.9	25	<0.1	<0.1	0.2	67	0.37	0.086
104305	Soil	0.4	55.1	10.2	59	<0.1	72.7	47.5	526	5.17	2.2	1.9	1.1	14.0	208	0.1	0.1	0.5	49	0.80	0.048
104306	Soil	1.0	16.2	9.8	54	<0.1	25.1	9.6	233	2.72	7.8	0.8	1.2	7.0	20	<0.1	0.4	0.2	49	0.20	0.025
104307	Soil	0.8	22.8	10.4	50	<0.1	26.5	9.9	211	2.61	12.1	0.6	2.1	6.0	13	<0.1	0.8	0.2	47	0.10	0.016
105271	Soil	0.9	50.1	10.5	83	<0.1	87.3	21.0	275	4.40	4.2	1.7	1.4	8.9	32	<0.1	0.3	0.4	76	0.14	0.040
105272	Soil	1.1	49.9	8.1	64	<0.1	43.8	13.0	167	3.98	0.8	2.5	<0.5	13.6	30	<0.1	<0.1	0.5	42	0.15	0.032

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Project: Burnham
 Report Date: August 05, 2011

Page: 6 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
104280	Soil	7	114	1.41	430	0.194	<1	3.81	0.017	0.20	0.1	0.02	4.4	0.1	<0.05	10	<0.5	<0.2
104281	Soil	56	94	1.50	258	0.314	<1	3.97	0.021	0.28	<0.1	0.02	11.9	0.3	<0.05	16	1.1	<0.2
104282	Soil	9	67	0.88	151	0.065	<1	1.67	0.004	0.06	<0.1	<0.01	4.5	<0.1	<0.05	10	0.6	<0.2
104283	Soil	36	93	1.60	486	0.254	<1	4.20	0.023	0.55	0.1	0.01	8.1	0.4	<0.05	15	<0.5	<0.2
104284	Soil	4	220	1.73	139	0.184	<1	3.01	0.018	0.05	<0.1	0.01	3.4	<0.1	<0.05	8	<0.5	<0.2
104285	Soil	46	43	1.15	501	0.172	<1	3.50	0.013	0.58	0.1	0.02	5.1	0.4	<0.05	11	0.6	<0.2
104286	Soil	28	27	0.52	236	0.041	1	1.83	0.009	0.05	0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
104287	Soil	12	57	0.81	551	0.025	<1	2.52	0.005	0.04	<0.1	0.01	4.1	<0.1	<0.05	9	<0.5	<0.2
104288	Soil	19	70	1.27	246	0.313	<1	4.03	0.016	0.38	0.1	0.01	8.7	0.1	<0.05	17	<0.5	<0.2
104289	Soil	12	34	0.88	184	0.189	<1	1.73	0.021	0.15	0.1	0.03	6.3	<0.1	<0.05	7	<0.5	<0.2
104290	Soil	14	51	1.15	224	0.218	1	2.11	0.019	0.19	0.1	0.03	6.8	0.1	<0.05	9	<0.5	<0.2
104291	Soil	15	44	0.86	185	0.241	<1	2.33	0.027	0.31	0.1	<0.01	3.9	0.1	<0.05	9	<0.5	<0.2
104292	Soil	18	29	0.56	176	0.173	<1	2.42	0.007	0.25	0.1	0.01	6.5	0.1	<0.05	13	<0.5	<0.2
104293	Soil	6	104	1.37	193	0.213	<1	3.14	0.013	0.08	0.1	<0.01	6.0	<0.1	<0.05	12	<0.5	<0.2
104294	Soil	24	207	2.37	422	0.229	<1	5.79	0.024	1.35	<0.1	<0.01	12.7	0.4	<0.05	16	<0.5	<0.2
104295	Soil	17	52	0.73	153	0.141	<1	2.30	0.009	0.29	0.1	0.01	2.9	0.2	<0.05	9	<0.5	<0.2
104296	Soil	23	86	1.10	280	0.312	<1	3.60	0.015	0.63	0.1	<0.01	8.1	0.4	<0.05	15	<0.5	<0.2
104297	Soil	29	36	1.67	107	0.200	<1	2.86	0.009	0.34	<0.1	<0.01	2.3	0.2	<0.05	9	<0.5	<0.2
104298	Soil	64	66	1.17	269	0.241	<1	2.82	0.010	0.73	<0.1	<0.01	4.9	0.4	<0.05	9	<0.5	<0.2
104299	Soil	9	53	0.57	115	0.152	<1	1.84	0.012	0.07	<0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
104300	Soil	33	53	0.83	155	0.146	<1	2.80	0.006	0.14	<0.1	<0.01	3.5	0.1	<0.05	10	<0.5	<0.2
104301	Soil	24	60	0.87	301	0.153	1	3.66	0.022	0.19	0.2	0.02	5.7	0.2	<0.05	10	<0.5	<0.2
104302	Soil	21	54	0.98	268	0.199	<1	2.75	0.024	1.03	<0.1	<0.01	5.6	0.6	0.17	8	<0.5	<0.2
104303	Soil	22	37	0.72	147	0.155	<1	1.82	0.041	0.72	<0.1	0.01	4.3	0.6	0.44	6	<0.5	<0.2
104304	Soil	33	78	1.90	309	0.258	<1	3.49	0.019	0.62	<0.1	<0.01	5.5	0.4	<0.05	12	<0.5	<0.2
104305	Soil	32	67	0.94	205	0.166	<1	4.31	0.063	0.24	0.2	0.01	7.3	0.1	<0.05	13	<0.5	<0.2
104306	Soil	15	36	0.86	183	0.046	<1	1.86	0.008	0.04	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
104307	Soil	12	32	0.52	171	0.073	<1	1.77	0.007	0.10	0.1	0.01	2.4	0.1	<0.05	4	<0.5	<0.2
105271	Soil	25	148	1.45	270	0.225	<1	3.82	0.016	0.71	<0.1	0.02	5.9	0.5	0.10	11	<0.5	<0.2
105272	Soil	34	54	1.08	224	0.195	<1	2.99	0.013	0.89	<0.1	<0.01	5.0	0.6	<0.05	8	<0.5	<0.2

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Project: Burnham
 Report Date: August 05, 2011

Page: 7 of 12 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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
105273	Soil	0.9	22.1	12.3	68	<0.1	37.3	17.3	514	4.13	7.5	1.0	0.5	8.7	17	0.1	0.4	0.2	69	0.15	0.056
105274	Soil	0.4	26.9	11.1	67	<0.1	43.7	16.5	402	4.24	1.2	1.9	<0.5	16.3	28	<0.1	<0.1	0.2	64	0.26	0.017
105275	Soil	0.8	33.5	14.0	74	<0.1	52.4	18.3	461	4.39	3.4	1.8	<0.5	12.3	33	<0.1	0.2	0.3	75	0.42	0.079
105276	Soil	0.6	23.8	13.1	35	<0.1	9.6	6.1	285	3.00	1.5	1.5	1.1	9.0	77	<0.1	<0.1	0.5	32	0.04	0.041
105277	Soil	0.5	36.3	14.9	70	<0.1	58.1	21.2	339	4.42	1.3	2.1	0.8	17.2	47	<0.1	<0.1	0.6	52	0.84	0.060
105278	Soil	0.3	40.1	6.7	69	0.1	86.6	17.6	403	3.68	1.8	2.0	<0.5	12.1	17	<0.1	<0.1	0.4	32	0.68	0.087
105279	Soil	0.5	42.0	11.0	68	<0.1	51.1	17.2	435	4.36	2.6	2.0	<0.5	11.5	19	<0.1	0.2	0.2	69	0.18	0.047
105280	Soil	0.7	61.4	12.9	81	<0.1	144.8	22.0	269	4.98	3.9	1.5	<0.5	9.1	18	<0.1	0.1	0.3	99	0.24	0.082
105281	Soil	1.0	43.7	10.1	32	<0.1	24.6	10.7	227	4.56	1.7	1.3	<0.5	5.6	36	<0.1	<0.1	0.4	49	0.04	0.044
105282	Soil	0.6	50.7	9.6	64	<0.1	61.8	21.5	328	4.07	1.9	1.4	2.8	5.1	33	<0.1	0.1	0.3	57	0.15	0.031
105283	Soil	0.9	50.5	17.2	87	<0.1	68.9	32.6	428	5.94	1.4	2.4	0.6	11.7	27	<0.1	<0.1	0.5	87	0.40	0.055
105284	Soil	0.8	20.3	11.8	60	0.2	25.8	11.3	215	3.10	10.4	1.1	2.0	7.4	19	<0.1	0.6	0.3	46	0.14	0.031
105285	Soil	0.7	32.5	8.3	52	<0.1	41.2	16.4	198	3.95	4.6	1.0	1.3	7.5	26	<0.1	0.2	0.2	52	0.33	0.072
105286	Soil	0.4	28.2	17.0	79	<0.1	44.3	13.5	303	3.85	4.2	1.8	1.7	13.1	75	<0.1	0.1	0.4	53	0.56	0.074
105287	Soil	0.4	39.6	9.1	31	<0.1	45.0	18.0	201	4.65	1.1	1.0	0.8	6.2	39	<0.1	<0.1	0.3	49	0.43	0.051
105288	Soil	0.4	15.2	12.2	53	<0.1	27.7	11.2	290	2.68	3.7	0.9	0.6	11.1	73	<0.1	0.2	0.2	40	0.75	0.021
105289	Soil	0.6	19.9	10.5	57	<0.1	28.6	12.3	190	3.10	4.8	1.0	1.0	6.6	29	<0.1	0.2	0.3	49	0.24	0.029
105290	Soil	0.2	41.6	4.5	76	0.1	56.5	24.5	375	5.31	2.1	3.7	4.4	17.0	374	<0.1	<0.1	0.7	83	1.92	0.056
105291	Soil	0.2	27.2	22.0	167	<0.1	47.8	18.5	295	4.13	2.4	1.9	1.3	13.9	224	<0.1	<0.1	0.2	66	1.36	0.054
105292	Soil	0.6	23.5	11.6	90	<0.1	48.0	19.1	314	3.90	3.8	1.7	2.1	12.8	388	<0.1	0.1	0.2	72	1.39	0.033
105293	Soil	0.3	33.7	11.7	83	0.1	49.3	19.4	853	4.81	2.5	2.1	1.6	14.7	689	<0.1	0.1	0.3	66	2.45	0.072
105294	Soil	0.4	42.1	17.6	93	<0.1	60.1	21.4	536	4.22	4.9	2.5	1.5	19.9	549	0.1	0.3	0.3	56	2.03	0.068
105295	Soil	0.4	24.5	11.3	66	<0.1	30.3	13.2	450	3.01	6.4	1.7	1.7	7.3	161	<0.1	0.4	0.3	49	1.24	0.034
105296	Soil	0.4	29.2	11.5	97	<0.1	54.1	21.0	590	4.79	3.3	2.4	2.0	17.9	670	<0.1	0.1	0.5	68	3.07	0.058
105297	Soil	0.3	21.0	10.6	68	<0.1	29.7	12.8	377	3.53	5.8	1.8	1.7	12.3	960	0.1	0.2	0.4	52	6.36	0.073
105298	Soil	0.8	13.7	11.1	54	<0.1	16.2	9.3	415	2.95	6.7	1.5	1.8	18.0	<1	0.1	0.4	1.2	40	0.10	0.040
105299	Soil	0.9	10.5	8.6	48	<0.1	12.9	6.8	270	2.95	6.8	1.1	1.9	13.2	10	<0.1	0.4	0.3	41	0.14	0.047
105300	Soil	1.0	22.6	10.1	56	<0.1	19.8	7.9	253	2.60	9.9	1.3	1.9	8.9	15	<0.1	0.6	2.4	48	0.16	0.052
105301	Soil	0.9	17.8	9.5	55	<0.1	19.3	8.5	289	2.73	9.3	1.3	2.7	12.4	12	<0.1	0.6	0.6	46	0.13	0.044
105302	Soil	0.8	15.4	9.2	50	<0.1	17.0	7.6	288	2.65	8.4	1.3	2.1	13.3	12	0.1	0.5	0.3	46	0.15	0.054

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Project: Burnham
 Report Date: August 05, 2011

Page: 7 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
105273	Soil	15	75	1.03	238	0.231	<1	3.38	0.011	0.72	0.1	0.04	5.5	0.3	<0.05	9	<0.5	<0.2
105274	Soil	33	78	1.38	317	0.356	<1	3.65	0.017	1.29	<0.1	0.01	6.1	0.7	<0.05	12	<0.5	<0.2
105275	Soil	24	85	1.33	283	0.295	<1	4.08	0.012	0.95	<0.1	0.02	5.6	0.4	<0.05	12	<0.5	<0.2
105276	Soil	19	32	0.63	159	0.120	<1	2.17	0.020	0.68	<0.1	<0.01	3.1	0.6	0.19	6	<0.5	<0.2
105277	Soil	36	57	1.54	240	0.192	<1	4.29	0.022	0.53	<0.1	<0.01	5.5	0.3	<0.05	11	<0.5	<0.2
105278	Soil	34	51	1.77	116	0.208	<1	2.92	0.014	1.11	<0.1	0.01	5.7	0.7	<0.05	8	<0.5	<0.2
105279	Soil	26	74	1.41	223	0.194	<1	3.06	0.011	0.72	<0.1	<0.01	5.5	0.4	<0.05	11	<0.5	<0.2
105280	Soil	24	267	2.50	236	0.288	<1	4.07	0.016	0.96	<0.1	<0.01	7.9	0.6	<0.05	15	<0.5	<0.2
105281	Soil	16	49	1.06	196	0.199	<1	2.75	0.033	1.13	<0.1	<0.01	4.0	0.8	0.29	7	<0.5	<0.2
105282	Soil	24	96	1.22	191	0.152	1	2.57	0.012	0.54	<0.1	<0.01	5.8	0.4	0.05	9	0.5	<0.2
105283	Soil	27	123	1.45	236	0.268	<1	4.62	0.014	1.10	<0.1	<0.01	8.2	0.5	<0.05	13	<0.5	<0.2
105284	Soil	15	33	0.56	143	0.073	1	2.30	0.009	0.15	0.1	0.04	2.8	0.1	<0.05	6	<0.5	<0.2
105285	Soil	18	43	0.92	197	0.147	<1	2.70	0.012	0.63	<0.1	<0.01	4.3	0.4	<0.05	8	0.6	<0.2
105286	Soil	31	50	0.79	285	0.153	<1	3.12	0.014	0.44	<0.1	0.01	5.1	0.3	<0.05	10	<0.5	<0.2
105287	Soil	15	49	1.15	160	0.223	<1	3.06	0.017	1.27	<0.1	<0.01	5.0	0.9	0.05	8	<0.5	<0.2
105288	Soil	15	43	0.59	185	0.155	1	3.12	0.013	0.50	0.1	0.01	3.4	0.3	<0.05	10	<0.5	<0.2
105289	Soil	19	41	0.69	217	0.130	<1	2.32	0.012	0.52	0.1	0.01	3.4	0.3	<0.05	7	<0.5	<0.2
105290	Soil	46	116	1.45	86	0.283	<1	8.79	0.165	0.72	0.1	0.03	11.0	0.4	<0.05	26	0.5	<0.2
105291	Soil	37	86	1.37	125	0.233	1	5.46	0.112	0.59	0.2	0.01	7.2	0.3	<0.05	18	0.5	<0.2
105292	Soil	31	90	1.20	123	0.241	1	6.02	0.130	0.35	0.2	0.02	7.0	0.2	<0.05	19	0.5	<0.2
105293	Soil	61	97	1.34	130	0.181	<1	5.97	0.205	0.43	0.1	0.02	9.4	0.3	<0.05	20	<0.5	<0.2
105294	Soil	49	71	1.05	366	0.186	1	6.14	0.144	0.38	0.2	0.03	7.6	0.3	<0.05	16	0.6	<0.2
105295	Soil	25	47	0.68	248	0.096	<1	3.05	0.039	0.06	0.2	0.04	4.6	<0.1	<0.05	9	<0.5	<0.2
105296	Soil	47	93	1.24	198	0.230	3	6.56	0.356	0.44	0.2	0.02	8.8	0.3	<0.05	21	0.8	<0.2
105297	Soil	37	62	0.84	167	0.132	1	3.35	0.137	0.38	0.3	0.03	6.6	0.2	<0.05	12	0.6	<0.2
105298	Soil	27	22	0.53	107	0.100	<1	1.91	0.008	0.34	0.5	0.02	2.5	0.4	<0.05	7	0.6	<0.2
105299	Soil	25	21	0.58	103	0.120	<1	1.85	0.007	0.35	0.2	0.02	1.9	0.4	<0.05	8	<0.5	<0.2
105300	Soil	24	28	0.46	156	0.057	1	1.67	0.007	0.09	0.2	0.03	2.7	0.1	<0.05	5	0.6	<0.2
105301	Soil	27	26	0.52	163	0.068	2	1.77	0.007	0.12	0.3	0.03	2.6	0.2	<0.05	6	<0.5	<0.2
105302	Soil	27	24	0.44	139	0.074	<1	1.55	0.008	0.15	0.2	0.02	2.8	0.2	<0.05	6	<0.5	<0.2

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Page: 8 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000566.1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
105303	Soil	1.0	11.7	12.9	55	<0.1	16.4	7.8	222	3.16	9.2	1.1	1.3	13.0	10	<0.1	0.5	0.3	55	0.09	0.033
105304	Soil	1.0	22.8	10.9	63	<0.1	20.9	9.2	362	2.96	7.8	2.7	2.2	24.8	16	<0.1	0.5	0.4	43	0.19	0.060
105305	Soil	1.1	21.0	12.7	67	<0.1	25.2	11.3	386	3.16	11.2	1.6	2.0	16.1	13	0.2	0.6	1.1	53	0.13	0.044
105306	Soil	1.2	20.5	11.9	58	<0.1	22.3	9.7	362	2.86	9.4	1.6	2.1	20.3	13	0.1	0.6	0.3	44	0.15	0.046
105307	Soil	1.1	14.4	16.3	73	<0.1	21.1	8.6	263	3.34	7.7	1.1	0.7	21.3	13	<0.1	0.5	0.3	48	0.12	0.028
105308	Soil	1.4	17.5	12.7	59	<0.1	19.5	8.1	235	2.89	13.2	2.4	2.6	18.5	10	<0.1	0.7	0.3	51	0.10	0.045
105309	Soil	1.3	18.2	11.1	63	<0.1	21.1	8.9	255	3.32	6.9	2.0	<0.5	23.2	8	<0.1	0.5	0.6	44	0.07	0.033
105310	Soil	0.9	16.9	10.9	54	<0.1	17.4	8.0	259	2.70	8.0	1.1	1.7	11.5	13	<0.1	0.5	0.3	45	0.14	0.043
105311	Soil	0.8	23.6	10.7	68	<0.1	22.1	9.5	401	2.60	10.0	1.3	2.0	12.8	26	<0.1	0.7	0.2	45	0.28	0.070
105312	Soil	0.8	19.2	10.3	58	<0.1	22.8	9.2	246	2.93	10.4	1.1	2.4	10.9	13	<0.1	0.7	0.2	50	0.15	0.046
105313	Soil	0.7	10.0	8.9	45	<0.1	12.3	8.5	276	3.54	3.0	2.2	1.4	51.7	11	<0.1	0.2	0.2	26	0.21	0.077
107300	Soil	0.9	45.4	14.2	74	<0.1	62.2	38.8	414	4.04	3.0	1.9	3.1	7.1	23	<0.1	0.2	0.4	54	0.08	0.031
107301	Soil	0.5	43.5	14.9	80	<0.1	42.2	22.7	441	4.33	4.2	1.9	2.5	13.0	70	<0.1	0.2	0.4	61	0.60	0.042
107302	Soil	0.9	18.1	10.4	46	<0.1	24.0	9.1	208	3.25	10.1	0.8	2.3	4.7	12	<0.1	0.6	0.2	51	0.11	0.031
107303	Soil	0.7	17.4	10.8	51	<0.1	22.7	8.2	184	2.74	8.4	1.1	1.2	6.2	17	<0.1	0.3	0.3	49	0.16	0.033
107304	Soil	0.6	25.0	9.9	68	<0.1	29.5	13.0	358	2.98	11.7	1.9	2.4	9.0	23	<0.1	0.5	0.2	47	0.18	0.035
107305	Soil	0.5	43.3	26.6	133	0.1	62.7	23.6	1746	6.39	3.0	3.4	2.2	23.0	205	0.5	<0.1	0.3	93	1.25	0.217
107306	Soil	0.5	34.5	21.7	80	0.3	51.2	17.8	529	5.05	1.9	2.7	2.9	16.0	121	<0.1	<0.1	0.4	58	1.03	0.072
107307	Soil	0.6	31.1	10.4	93	0.2	44.0	12.8	402	4.41	1.5	2.0	0.8	12.0	98	0.1	0.1	0.3	46	0.82	0.058
107308	Soil	0.5	16.6	10.1	53	<0.1	21.7	9.7	251	2.70	7.6	0.9	1.4	6.2	39	<0.1	0.3	0.2	49	0.45	0.028
107309	Soil	0.5	32.0	9.8	56	<0.1	30.9	11.4	270	2.78	5.3	1.2	1.3	6.7	29	<0.1	0.3	0.2	42	0.39	0.042
107310	Soil	0.7	36.1	9.7	182	<0.1	37.1	17.1	288	3.64	6.7	1.7	2.6	8.4	153	0.1	0.2	0.3	59	0.64	0.040
107311	Soil	0.6	25.1	13.7	67	0.1	28.9	12.1	273	2.90	6.5	1.3	2.1	6.2	118	<0.1	0.3	0.3	47	0.75	0.050
107312	Soil	0.6	20.4	14.4	70	0.1	29.1	13.0	760	3.38	8.6	1.4	1.1	6.6	219	0.1	0.3	0.3	55	1.24	0.059
107313	Soil	0.1	27.0	11.9	78	<0.1	39.8	19.7	614	4.27	1.3	1.5	1.2	13.8	1094	<0.1	<0.1	0.3	49	6.01	0.053
107314	Soil	0.2	21.7	6.4	80	<0.1	34.9	18.7	362	3.76	1.9	1.3	1.8	12.3	424	<0.1	<0.1	0.2	55	2.13	0.044
107315	Soil	0.2	54.1	5.9	21	<0.1	67.3	26.7	214	5.21	0.8	0.5	1.8	2.4	24	<0.1	<0.1	0.2	72	0.35	0.049
107316	Soil	0.3	41.3	14.8	82	<0.1	58.9	22.8	329	5.17	2.7	2.0	62.2	10.6	159	<0.1	0.2	0.3	64	0.63	0.089
107317	Soil	0.7	15.1	10.9	46	<0.1	21.8	8.3	223	2.41	8.7	0.9	2.8	3.8	15	<0.1	0.4	0.2	50	0.14	0.036
107318	Soil	0.5	55.4	18.5	77	<0.1	91.0	23.9	590	4.85	2.4	1.1	1.5	11.5	33	<0.1	0.1	0.3	80	0.59	0.099

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Page: 8 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
105303	Soil	21	27	0.45	149	0.062	1	2.32	0.006	0.11	0.3	0.02	2.5	0.2	<0.05	7	<0.5	<0.2
105304	Soil	60	26	0.54	212	0.079	<1	2.04	0.009	0.19	0.6	0.02	4.0	0.3	<0.05	7	<0.5	<0.2
105305	Soil	23	33	0.56	174	0.068	1	2.35	0.008	0.14	0.6	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
105306	Soil	29	28	0.47	182	0.058	<1	1.87	0.007	0.13	0.3	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
105307	Soil	24	28	0.48	194	0.066	<1	2.95	0.007	0.27	0.2	0.01	3.2	0.4	<0.05	10	<0.5	<0.2
105308	Soil	24	28	0.51	103	0.064	1	2.05	0.007	0.09	0.2	0.05	3.1	0.2	<0.05	6	0.9	<0.2
105309	Soil	19	25	0.54	145	0.125	<1	2.34	0.007	0.25	1.6	0.02	2.7	0.5	<0.05	9	<0.5	<0.2
105310	Soil	24	26	0.48	160	0.081	<1	1.84	0.007	0.18	0.2	0.02	3.3	0.3	<0.05	6	<0.5	<0.2
105311	Soil	34	26	0.52	305	0.075	1	1.55	0.009	0.13	0.2	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
105312	Soil	21	29	0.51	193	0.070	1	1.93	0.007	0.11	0.2	0.03	2.7	0.2	<0.05	6	<0.5	<0.2
105313	Soil	89	19	0.62	155	0.075	<1	2.32	0.006	0.37	0.2	<0.01	2.7	0.5	<0.05	11	0.6	<0.2
107300	Soil	20	55	0.95	196	0.129	<1	2.54	0.011	0.60	<0.1	0.01	4.2	0.5	0.05	8	<0.5	<0.2
107301	Soil	36	57	0.90	222	0.180	<1	3.08	0.017	0.46	<0.1	0.01	6.0	0.3	<0.05	11	<0.5	<0.2
107302	Soil	13	35	0.60	131	0.083	<1	1.81	0.007	0.24	0.1	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
107303	Soil	21	32	0.52	147	0.091	<1	1.72	0.007	0.18	0.1	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
107304	Soil	28	36	0.61	248	0.098	<1	2.06	0.011	0.18	0.2	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
107305	Soil	56	97	1.21	326	0.243	2	4.46	0.129	0.77	0.3	0.01	11.1	0.6	<0.05	16	<0.5	<0.2
107306	Soil	59	59	1.01	152	0.222	<1	3.88	0.034	0.76	<0.1	0.02	6.8	0.5	0.23	12	<0.5	<0.2
107307	Soil	35	53	1.08	225	0.197	<1	2.97	0.034	0.73	<0.1	0.01	5.4	0.5	0.24	10	<0.5	<0.2
107308	Soil	21	33	0.55	148	0.065	1	2.33	0.019	0.11	0.2	<0.01	3.2	0.2	<0.05	6	<0.5	<0.2
107309	Soil	26	34	0.74	207	0.112	<1	2.15	0.014	0.33	0.1	<0.01	3.4	0.3	<0.05	6	<0.5	<0.2
107310	Soil	26	57	0.89	222	0.142	1	4.43	0.047	0.29	0.2	0.03	5.6	0.2	<0.05	12	<0.5	<0.2
107311	Soil	24	46	0.67	229	0.069	1	2.92	0.035	0.10	0.2	0.04	4.1	0.1	<0.05	8	<0.5	<0.2
107312	Soil	29	41	0.62	272	0.059	1	2.79	0.041	0.06	0.2	0.05	5.1	0.2	<0.05	8	<0.5	<0.2
107313	Soil	37	75	0.89	71	0.115	1	4.29	0.097	0.33	0.1	0.02	8.3	0.1	0.09	12	<0.5	<0.2
107314	Soil	35	71	1.05	51	0.131	<1	4.47	0.035	0.52	0.1	0.02	7.5	0.2	<0.05	15	<0.5	<0.2
107315	Soil	7	56	1.58	236	0.285	<1	3.31	0.021	1.28	0.2	<0.01	8.5	0.5	<0.05	11	<0.5	<0.2
107316	Soil	34	73	1.27	137	0.239	<1	4.36	0.026	0.93	0.2	0.02	8.0	0.6	<0.05	13	0.5	<0.2
107317	Soil	15	33	0.51	168	0.048	1	1.73	0.008	0.04	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
107318	Soil	17	105	1.21	200	0.230	<1	3.30	0.008	0.35	0.1	0.01	4.8	0.2	<0.05	12	<0.5	<0.2

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Project: Burnham
 Report Date: August 05, 2011

Page: 9 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
107319	Soil	1.2	56.7	15.1	74	<0.1	72.6	18.8	531	4.46	5.3	1.6	2.9	6.7	38	<0.1	0.4	0.4	57	0.38	0.060
107320	Soil	1.3	33.6	11.8	63	0.1	38.4	12.3	337	2.99	9.3	1.2	3.4	5.8	30	<0.1	0.5	0.2	50	0.35	0.059
107321	Soil	1.0	26.9	10.4	60	0.1	26.6	9.1	205	2.67	8.0	1.0	3.1	3.8	34	<0.1	0.6	0.2	46	0.43	0.065
107322	Soil	1.1	25.4	11.4	59	0.1	25.8	7.8	154	2.59	9.1	0.9	2.9	3.4	30	0.1	0.5	0.2	49	0.36	0.063
107323	Soil	1.7	22.1	13.1	73	<0.1	26.8	12.7	489	3.36	15.0	0.7	2.8	4.8	20	0.1	0.7	0.2	61	0.24	0.052
107324	Soil	1.3	28.6	9.7	61	0.1	28.4	9.9	278	2.41	8.3	1.4	3.5	4.7	24	0.2	0.5	0.3	44	0.31	0.066
107325	Soil	0.8	23.7	8.9	50	<0.1	21.3	6.8	197	2.00	7.4	0.8	5.0	4.7	22	0.1	0.5	0.2	37	0.29	0.051
107326	Soil	0.9	22.3	10.7	58	<0.1	21.3	7.5	172	2.27	8.8	0.9	5.8	4.5	18	0.1	0.6	0.2	46	0.20	0.042
107327	Soil	0.6	20.5	6.9	42	<0.1	17.8	6.4	203	1.72	6.6	0.9	2.2	4.2	16	0.1	0.4	0.2	30	0.20	0.045
107328	Soil	0.3	17.5	6.0	36	<0.1	17.9	6.4	176	1.55	5.2	0.8	1.8	4.2	8	0.1	0.3	0.2	20	0.12	0.046
107329	Soil	0.8	22.5	9.1	57	<0.1	19.2	7.6	248	2.44	9.6	1.0	2.4	2.4	13	0.1	0.6	0.2	45	0.17	0.071
107330	Soil	1.0	20.8	9.3	56	<0.1	18.2	7.8	318	2.77	9.0	1.2	4.5	8.7	11	0.2	0.6	0.8	50	0.16	0.068
107331	Soil	1.0	23.1	8.7	58	<0.1	20.6	8.1	303	2.40	8.3	1.4	8.3	4.2	13	0.2	0.7	0.3	43	0.22	0.069
107332	Soil	1.0	18.1	10.2	59	<0.1	19.0	8.0	331	2.66	8.2	1.3	7.2	6.5	12	0.1	0.5	0.3	46	0.20	0.072
107333	Soil	1.1	15.7	10.0	61	<0.1	17.8	7.0	263	2.76	8.7	1.1	1.4	1.7	9	0.1	0.5	0.3	47	0.12	0.063
107334	Soil	1.1	18.0	10.6	60	<0.1	18.3	7.6	259	2.82	9.7	1.1	2.9	2.8	14	<0.1	0.5	0.3	50	0.17	0.067
107335	Soil	1.0	23.0	11.5	53	<0.1	15.8	6.8	259	2.50	8.0	1.5	0.5	1.1	13	0.2	0.4	1.0	42	0.16	0.072
107336	Soil	2.0	21.0	12.8	114	<0.1	28.2	12.6	417	3.08	7.7	3.2	1.8	12.2	10	0.3	0.4	1.1	44	0.12	0.070
107337	Soil	1.0	28.2	10.2	84	<0.1	31.7	16.9	534	3.54	10.0	1.9	0.8	9.1	11	0.3	0.6	0.5	49	0.13	0.063
107338	Soil	1.1	25.2	10.9	56	<0.1	19.9	9.8	334	2.94	9.0	1.5	0.7	7.8	12	0.2	0.5	0.7	47	0.13	0.047
107339	Soil	1.9	27.3	13.6	80	<0.1	20.2	9.4	307	2.97	7.7	2.2	3.0	13.1	13	0.3	0.5	0.9	46	0.14	0.050
107340	Soil	2.0	28.3	14.2	79	<0.1	20.5	9.3	310	2.97	7.4	2.2	0.6	12.0	14	0.4	0.4	0.9	45	0.15	0.049
107341	Soil	2.2	26.0	12.2	76	<0.1	21.1	9.0	303	2.69	11.1	1.8	1.2	6.6	13	0.3	0.6	0.4	54	0.14	0.059
107342	Soil	1.4	23.1	11.6	68	<0.1	21.8	8.9	311	2.67	10.7	1.4	2.8	4.0	15	0.2	0.6	0.4	52	0.14	0.054
107343	Soil	1.2	16.9	12.1	50	0.1	14.9	5.1	170	2.12	8.6	0.9	0.6	0.5	12	0.2	0.4	0.4	42	0.10	0.076
107344	Soil	1.4	22.1	11.0	55	0.1	17.4	7.1	250	2.26	9.0	1.0	8.3	1.6	14	<0.1	0.5	0.4	44	0.14	0.056
107345	Soil	2.7	25.6	10.0	80	0.2	21.1	9.1	264	2.78	9.0	2.1	1.8	5.6	15	0.2	0.4	0.5	57	0.21	0.091
107346	Soil	1.7	19.3	10.6	67	<0.1	18.4	7.7	287	2.47	9.1	1.4	14.1	5.8	13	0.1	0.5	0.5	51	0.18	0.075
107347	Soil	1.0	17.0	10.3	57	<0.1	17.1	6.9	231	2.23	8.2	1.3	1.9	4.7	13	0.1	0.4	0.3	45	0.16	0.059
107348	Soil	1.1	16.3	10.6	60	<0.1	17.9	8.4	320	2.44	9.2	1.5	0.8	6.6	13	0.3	0.4	0.3	45	0.17	0.066

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Page: 9 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
107319	Soil	19	81	1.01	294	0.136	<1	2.70	0.012	0.36	<0.1	0.03	5.6	0.2	<0.05	9	<0.5	<0.2
107320	Soil	17	52	0.64	304	0.097	<1	1.89	0.011	0.09	0.1	0.04	4.5	0.1	<0.05	6	0.7	<0.2
107321	Soil	16	38	0.53	315	0.056	1	1.76	0.011	0.04	0.2	0.06	3.7	<0.1	<0.05	6	<0.5	<0.2
107322	Soil	15	39	0.47	279	0.053	2	1.77	0.010	0.04	0.2	0.05	3.3	<0.1	<0.05	6	<0.5	<0.2
107323	Soil	12	37	0.50	239	0.046	<1	2.24	0.009	0.05	0.2	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
107324	Soil	16	37	0.46	268	0.059	1	1.68	0.010	0.07	0.2	0.04	3.7	0.2	<0.05	5	<0.5	<0.2
107325	Soil	14	29	0.39	292	0.068	1	1.34	0.010	0.07	0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
107326	Soil	15	31	0.44	226	0.062	2	1.66	0.009	0.05	0.2	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
107327	Soil	13	23	0.35	169	0.065	<1	1.10	0.008	0.12	0.1	0.01	2.3	0.1	<0.05	3	<0.5	<0.2
107328	Soil	11	22	0.30	119	0.053	1	0.98	0.005	0.17	0.2	<0.01	1.7	0.1	<0.05	3	<0.5	<0.2
107329	Soil	17	25	0.44	144	0.041	2	1.56	0.007	0.07	0.2	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
107330	Soil	23	24	0.40	128	0.076	1	1.71	0.008	0.15	0.6	0.03	2.3	0.2	<0.05	6	<0.5	<0.2
107331	Soil	22	26	0.41	147	0.050	2	1.42	0.007	0.09	0.4	0.03	2.4	0.1	<0.05	4	0.6	<0.2
107332	Soil	26	27	0.43	141	0.061	2	1.63	0.007	0.14	0.3	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
107333	Soil	17	26	0.43	111	0.029	1	1.86	0.007	0.10	0.5	0.04	1.3	0.2	0.05	6	<0.5	<0.2
107334	Soil	19	28	0.47	128	0.042	1	1.79	0.007	0.09	0.3	0.03	2.2	0.1	<0.05	6	<0.5	<0.2
107335	Soil	23	24	0.39	136	0.032	1	1.59	0.007	0.11	0.3	0.03	1.3	0.2	<0.05	6	<0.5	<0.2
107336	Soil	37	24	0.47	117	0.028	1	1.96	0.007	0.08	1.4	0.02	2.0	0.1	<0.05	6	0.7	<0.2
107337	Soil	19	33	0.70	165	0.107	<1	2.32	0.007	0.34	0.5	0.02	3.0	0.4	<0.05	6	0.6	<0.2
107338	Soil	20	26	0.44	139	0.059	<1	1.80	0.007	0.14	8.0	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
107339	Soil	21	25	0.41	133	0.078	<1	1.78	0.007	0.09	4.4	0.02	2.0	0.2	<0.05	6	<0.5	<0.2
107340	Soil	22	25	0.42	130	0.082	1	1.75	0.007	0.10	5.2	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
107341	Soil	19	27	0.45	135	0.055	1	1.67	0.007	0.08	2.0	0.04	2.5	0.2	<0.05	5	<0.5	<0.2
107342	Soil	18	29	0.49	194	0.057	1	1.61	0.007	0.07	2.0	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
107343	Soil	12	22	0.34	127	0.031	<1	1.31	0.007	0.05	1.3	0.03	1.1	0.1	<0.05	5	<0.5	<0.2
107344	Soil	15	24	0.42	143	0.041	<1	1.34	0.006	0.06	1.5	0.04	1.8	0.1	<0.05	4	0.6	<0.2
107345	Soil	22	27	0.48	168	0.070	<1	1.56	0.008	0.14	1.3	0.02	2.0	0.2	<0.05	6	<0.5	<0.2
107346	Soil	17	27	0.44	121	0.059	<1	1.51	0.006	0.09	1.1	0.02	2.0	0.1	<0.05	5	0.7	<0.2
107347	Soil	17	25	0.40	150	0.049	<1	1.34	0.006	0.06	0.6	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
107348	Soil	21	25	0.41	183	0.054	1	1.40	0.006	0.07	0.8	0.02	2.4	0.1	<0.05	4	<0.5	<0.2



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Page: 10 of 12 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
107349	Soil	1.0	15.4	9.2	58	<0.1	16.6	7.5	268	2.29	8.1	1.2	0.8	6.4	12	<0.1	0.5	0.4	41	0.17	0.069
107350	Soil	1.0	15.5	9.1	58	<0.1	16.0	7.3	252	2.27	7.2	1.4	0.6	5.9	13	<0.1	0.4	0.4	40	0.19	0.067
107351	Soil	1.1	17.4	9.8	59	0.1	17.1	7.5	222	2.30	7.5	1.7	1.3	5.9	15	0.2	0.4	0.4	42	0.19	0.064
107352	Soil	0.8	19.4	8.4	58	<0.1	17.3	7.3	224	2.23	8.0	1.3	0.6	7.1	13	0.2	0.4	0.3	38	0.19	0.069
107353	Soil	1.1	17.0	10.5	54	<0.1	15.9	7.2	241	2.26	8.2	1.4	1.1	5.0	13	<0.1	0.4	0.4	41	0.17	0.066
107354	Soil	0.9	11.2	10.1	52	<0.1	14.2	8.4	329	2.44	9.2	0.9	0.6	6.4	10	0.2	0.4	0.3	44	0.14	0.058
107355	Soil	1.1	12.4	10.4	56	<0.1	14.9	8.6	339	2.49	9.4	1.0	2.0	7.9	12	0.1	0.5	0.3	45	0.17	0.067
107356	Soil	0.7	14.5	9.1	47	<0.1	14.2	7.0	239	2.01	7.1	1.1	1.7	8.0	14	<0.1	0.4	0.2	36	0.20	0.074
107357	Soil	0.9	16.3	10.7	58	<0.1	16.7	8.9	357	2.37	9.3	1.4	2.0	10.2	16	0.1	0.5	0.3	42	0.21	0.072
108398	Soil	1.1	13.4	12.2	57	<0.1	23.8	12.7	269	2.93	8.6	1.0	<0.5	5.5	14	<0.1	0.5	0.2	55	0.12	0.024
108399	Soil	0.2	61.2	12.1	56	<0.1	231.5	27.1	351	3.53	1.7	1.7	<0.5	18.3	67	<0.1	<0.1	0.1	71	0.51	0.062
108401	Soil	0.9	79.0	9.7	29	<0.1	21.3	8.6	157	3.43	1.6	2.1	<0.5	9.7	41	<0.1	0.1	0.5	48	0.06	0.029
108402	Soil	0.4	32.9	9.2	83	<0.1	37.8	16.1	315	4.29	1.1	2.2	<0.5	6.0	36	<0.1	<0.1	0.2	53	0.13	0.045
108403	Soil	<0.1	17.3	9.5	60	<0.1	30.1	13.4	570	3.50	1.2	2.6	0.6	20.8	14	<0.1	0.1	0.2	52	0.10	0.021
108404	Soil	0.2	11.8	4.2	45	<0.1	23.1	8.7	261	2.16	0.9	1.2	<0.5	15.8	39	<0.1	<0.1	0.1	29	0.45	0.077
108405	Soil	0.6	46.6	13.3	85	<0.1	86.1	22.0	452	4.75	4.5	1.5	<0.5	9.9	22	<0.1	0.2	0.2	88	0.29	0.067
108406	Soil	0.4	33.2	11.1	112	<0.1	95.4	23.8	329	4.98	2.9	1.4	3.9	10.6	34	<0.1	0.1	0.2	75	0.37	0.067
108407	Soil	0.6	38.3	11.1	68	<0.1	67.2	15.4	335	3.06	7.6	0.8	<0.5	5.6	19	<0.1	0.4	0.2	51	0.20	0.055
108408	Soil	0.5	25.6	9.3	59	<0.1	27.9	10.3	276	2.50	6.5	1.2	<0.5	5.8	32	<0.1	0.4	0.2	40	0.33	0.068
108409	Soil	0.6	26.1	10.0	57	<0.1	33.8	13.2	276	2.89	4.9	1.8	<0.5	9.6	43	<0.1	0.3	0.1	42	0.51	0.068
108410	Soil	0.6	24.4	12.0	57	<0.1	32.5	11.1	206	2.85	4.9	1.3	<0.5	7.7	41	<0.1	0.1	0.2	48	0.49	0.050
108411	Soil	0.5	36.3	8.3	60	<0.1	53.8	15.8	223	3.24	2.8	2.0	<0.5	9.1	36	<0.1	0.2	0.1	58	0.40	0.060
108412	Soil	0.5	23.0	8.8	70	<0.1	34.4	13.4	256	3.13	4.4	1.3	1.7	9.2	34	<0.1	0.3	0.2	49	0.44	0.073
108413	Soil	0.6	23.0	8.1	59	<0.1	31.6	10.9	225	2.50	6.2	1.0	1.8	5.5	23	<0.1	0.4	0.2	45	0.27	0.070
108414	Soil	0.6	36.2	8.3	59	<0.1	46.9	16.0	290	3.55	2.4	1.5	<0.5	6.2	31	0.1	0.1	0.2	67	0.37	0.083
108415	Soil	0.5	45.3	7.2	62	<0.1	89.0	17.5	345	3.42	4.9	1.2	1.7	8.1	27	0.2	0.3	0.2	65	0.35	0.075
108416	Soil	0.7	17.3	9.2	56	<0.1	27.2	9.4	185	2.54	5.3	1.3	4.6	3.3	23	<0.1	0.2	0.2	45	0.21	0.052
108417	Soil	0.7	18.3	8.6	55	<0.1	30.7	9.8	205	2.61	4.8	1.3	1.0	4.2	19	<0.1	0.3	0.2	48	0.19	0.051
108418	Soil	0.6	18.3	8.9	68	<0.1	29.9	10.8	208	2.80	6.0	1.1	1.7	5.1	20	<0.1	0.3	0.2	47	0.24	0.068
108419	Soil	0.9	29.5	9.0	73	<0.1	36.0	13.6	270	3.49	3.5	1.4	1.7	6.7	27	0.1	0.2	0.3	53	0.18	0.059

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Project: Burnham
 Report Date: August 05, 2011

Page: 10 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
107349	Soil	16	22	0.37	153	0.062	<1	1.27	0.006	0.09	1.0	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
107350	Soil	17	22	0.39	152	0.067	<1	1.30	0.006	0.10	1.0	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
107351	Soil	20	26	0.42	194	0.061	<1	1.41	0.008	0.08	0.8	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
107352	Soil	19	23	0.42	166	0.058	<1	1.37	0.007	0.08	0.8	0.03	2.4	0.2	<0.05	4	<0.5	<0.2
107353	Soil	18	25	0.38	163	0.047	<1	1.44	0.006	0.07	0.7	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
107354	Soil	13	24	0.36	117	0.050	<1	1.43	0.005	0.07	0.5	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
107355	Soil	16	25	0.37	140	0.055	<1	1.54	0.005	0.08	0.7	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
107356	Soil	20	21	0.33	171	0.048	<1	1.18	0.005	0.06	0.7	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
107357	Soil	21	25	0.40	195	0.053	<1	1.40	0.006	0.06	0.5	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
108398	Soil	15	34	0.54	192	0.075	<1	1.99	0.006	0.13	0.2	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
108399	Soil	37	107	1.82	273	0.217	<1	3.83	0.016	0.63	0.1	<0.01	5.9	0.8	<0.05	12	<0.5	<0.2
108401	Soil	19	48	1.01	263	0.116	<1	2.09	0.017	0.72	<0.1	<0.01	4.7	0.3	0.09	9	<0.5	<0.2
108402	Soil	14	50	1.64	198	0.218	<1	3.06	0.016	1.34	<0.1	0.01	4.5	0.9	<0.05	10	<0.5	<0.2
108403	Soil	34	65	0.74	201	0.189	<1	2.46	0.008	0.67	<0.1	<0.01	5.1	0.3	<0.05	9	<0.5	<0.2
108404	Soil	33	37	0.55	184	0.135	<1	2.42	0.018	0.48	<0.1	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
108405	Soil	21	157	1.67	267	0.246	<1	3.71	0.012	0.41	0.1	0.01	6.7	0.3	<0.05	14	<0.5	<0.2
108406	Soil	27	86	2.88	352	0.254	<1	4.84	0.026	1.22	0.1	<0.01	6.1	0.8	<0.05	16	<0.5	<0.2
108407	Soil	14	84	0.95	129	0.092	<1	2.09	0.007	0.16	0.2	0.01	2.7	0.2	<0.05	6	<0.5	<0.2
108408	Soil	17	32	0.66	209	0.089	<1	1.74	0.009	0.25	0.1	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
108409	Soil	24	43	0.78	210	0.111	<1	2.36	0.007	0.28	0.1	0.01	3.3	0.2	<0.05	7	<0.5	<0.2
108410	Soil	19	47	0.75	134	0.108	<1	2.36	0.007	0.25	0.1	0.01	3.2	0.2	<0.05	7	<0.5	<0.2
108411	Soil	27	84	1.16	201	0.166	<1	2.43	0.012	0.40	<0.1	0.01	4.7	0.3	<0.05	8	<0.5	<0.2
108412	Soil	21	54	0.94	194	0.162	<1	2.41	0.011	0.40	0.2	0.02	3.9	0.3	<0.05	8	<0.5	<0.2
108413	Soil	17	43	0.69	178	0.103	2	1.66	0.009	0.11	0.2	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
108414	Soil	22	65	1.27	257	0.196	1	2.73	0.015	0.68	<0.1	0.02	4.8	0.3	<0.05	9	<0.5	<0.2
108415	Soil	22	139	1.53	334	0.202	1	2.43	0.016	0.51	0.1	0.02	5.7	0.3	<0.05	9	<0.5	<0.2
108416	Soil	19	42	0.69	129	0.106	2	1.70	0.010	0.19	0.1	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
108417	Soil	18	51	0.81	142	0.130	1	1.88	0.010	0.29	0.1	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
108418	Soil	17	44	0.75	162	0.124	1	1.92	0.009	0.24	0.2	0.03	3.0	0.2	<0.05	6	<0.5	<0.2
108419	Soil	22	59	1.04	199	0.195	<1	2.38	0.021	0.74	<0.1	0.02	3.8	0.4	0.05	8	<0.5	<0.2

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Page: 11 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000566.1

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	P
			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	2	0.01	0.001	
108420	Soil		1.1	61.5	12.1	119	<0.1	117.1	25.8	399	5.94	2.3	2.2	0.8	9.3	21	<0.1	0.1	0.4	92	0.29	0.103
108421	Soil		1.1	25.5	10.6	65	<0.1	24.6	8.3	236	2.37	8.2	0.9	3.3	4.2	27	0.1	0.7	0.2	48	0.31	0.055
108422	Soil		0.6	23.4	9.0	44	<0.1	20.1	8.4	268	2.00	7.8	1.1	1.9	5.2	15	0.1	0.6	0.2	32	0.11	0.020
109263	Soil		1.7	15.4	12.7	75	<0.1	23.6	9.1	400	3.89	11.1	0.9	1.9	4.1	9	0.2	0.6	0.3	69	0.08	0.057
109264	Soil		1.7	43.8	16.1	66	<0.1	17.3	8.2	327	4.47	6.9	2.4	1.5	8.8	20	0.1	0.4	0.5	45	0.05	0.057
109265	Soil		0.7	34.2	10.7	82	<0.1	43.5	18.0	532	4.74	2.7	3.2	4.6	11.6	8	<0.1	0.2	0.9	39	0.05	0.031
109266	Soil		0.8	16.7	7.4	53	<0.1	27.8	8.1	236	3.00	4.1	1.2	2.0	5.0	16	<0.1	0.2	0.7	51	0.13	0.028
109267	Soil		0.7	12.1	10.3	47	<0.1	18.4	8.5	412	2.16	3.0	2.6	3.2	6.7	11	<0.1	0.2	3.1	27	0.05	0.050
109268	Soil		0.3	52.0	12.3	53	<0.1	65.5	14.7	364	3.13	0.8	0.9	1.0	8.8	57	<0.1	<0.1	0.2	60	0.81	0.134
109269	Soil		0.5	4.3	2.7	89	<0.1	140.4	55.8	716	5.94	2.3	0.5	1.1	1.4	38	<0.1	0.2	<0.1	88	1.20	0.387
109270	Soil		2.1	52.2	23.3	102	<0.1	54.5	22.3	514	4.59	2.9	2.3	0.7	12.9	31	0.2	0.1	0.2	88	0.42	0.132
109271	Soil		0.4	29.3	16.9	86	<0.1	37.8	14.6	464	3.88	2.8	1.9	0.8	10.5	27	<0.1	0.1	0.3	48	0.38	0.058
109279	Soil		0.5	22.2	8.3	58	<0.1	26.8	11.6	225	2.94	5.5	0.9	5.9	6.6	19	0.1	0.3	0.1	58	0.25	0.057
112365	Soil		1.0	26.2	10.3	54	<0.1	24.5	9.8	315	3.33	7.8	1.1	1.1	5.1	7	0.2	0.4	0.2	54	0.06	0.033
112366	Soil		1.3	13.1	10.3	55	<0.1	15.2	5.1	231	2.56	8.4	0.9	1.0	0.8	9	0.2	0.6	0.3	49	0.08	0.052
112367	Soil		1.9	15.0	11.9	58	0.1	12.3	4.9	960	1.95	6.2	2.2	2.6	0.5	10	0.3	0.5	0.5	54	0.11	0.082
112368	Soil		1.5	15.3	12.0	43	<0.1	9.5	3.2	167	1.86	6.2	2.5	2.8	0.4	10	0.2	0.5	0.5	44	0.06	0.049
112369	Soil		2.2	21.0	14.1	72	0.2	15.6	3.9	417	1.95	7.1	3.4	2.4	0.3	14	0.4	0.5	0.8	42	0.13	0.098
112370	Soil		1.5	20.3	12.8	83	0.2	16.3	3.1	207	1.14	2.8	1.6	1.6	0.1	22	0.4	0.4	0.3	32	0.21	0.066
112371	Soil		2.1	10.9	19.3	57	<0.1	13.6	5.7	261	3.20	12.0	2.5	2.7	5.3	10	0.1	0.5	0.7	60	0.08	0.039
112372	Soil		1.3	14.2	10.5	70	<0.1	16.3	6.7	270	2.25	7.1	5.7	5.3	5.9	13	0.2	0.4	0.5	38	0.24	0.093
112373	Soil		1.1	15.3	8.7	63	<0.1	16.9	7.4	295	2.29	7.6	5.0	3.4	5.3	16	0.2	0.5	0.3	38	0.25	0.080
112374	Soil		1.3	12.8	15.4	69	0.2	16.6	7.5	231	2.38	7.6	6.8	2.4	6.9	17	0.2	0.4	0.6	41	0.28	0.083
112375	Soil		0.8	7.9	10.8	46	0.2	11.1	4.4	180	2.06	6.7	4.7	2.2	1.3	27	0.1	0.3	0.5	34	0.39	0.054
112376	Soil		1.1	11.0	11.3	53	0.1	13.4	4.9	122	2.03	7.4	4.4	2.6	2.3	13	0.2	0.4	1.1	39	0.17	0.065
112377	Soil		1.2	10.2	10.0	43	0.1	11.6	3.9	93	2.00	7.4	4.6	11.6	0.7	13	0.1	0.3	0.4	38	0.14	0.058
112378	Soil		0.9	9.7	10.3	50	<0.1	15.3	5.1	124	1.83	5.3	3.1	4.5	1.7	15	0.1	0.3	0.5	32	0.21	0.073
112379	Soil		0.7	11.8	7.4	39	<0.1	13.9	5.2	137	1.66	4.2	2.4	1.4	1.0	14	<0.1	0.2	0.3	30	0.17	0.049
112380	Soil		0.9	14.9	11.7	61	<0.1	22.9	8.7	233	2.29	5.0	2.6	1.2	2.9	45	0.1	0.2	0.4	42	0.28	0.058
112381	Soil		0.8	13.8	8.5	58	0.1	20.8	8.0	169	2.09	4.9	2.0	4.1	2.6	33	0.1	0.2	0.3	42	0.21	0.047

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Page: 11 of 12 Part 2

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
108420	Soil	25	221	2.07	334	0.274	1	4.39	0.022	1.24	<0.1	0.01	7.5	0.8	<0.05	14	<0.5	<0.2
108421	Soil	18	33	0.47	292	0.094	2	1.61	0.014	0.08	0.2	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
108422	Soil	17	27	0.42	241	0.080	<1	1.20	0.006	0.12	0.2	0.03	3.3	0.1	<0.05	4	0.5	<0.2
109263	Soil	14	39	0.51	90	0.082	2	1.77	0.007	0.12	0.2	0.02	2.5	0.2	<0.05	8	0.6	<0.2
109264	Soil	24	41	0.70	124	0.072	2	2.41	0.009	0.24	0.1	0.02	2.5	0.2	<0.05	7	1.3	<0.2
109265	Soil	30	47	0.69	181	0.117	1	2.15	0.010	0.51	<0.1	0.01	3.5	0.4	<0.05	7	<0.5	<0.2
109266	Soil	15	48	0.70	136	0.144	<1	1.82	0.010	0.38	0.1	<0.01	3.4	0.2	<0.05	7	0.5	<0.2
109267	Soil	15	28	0.35	94	0.051	<1	1.30	0.009	0.19	0.1	0.01	1.9	0.2	<0.05	5	<0.5	<0.2
109268	Soil	18	103	1.01	71	0.182	<1	2.42	0.009	0.07	0.2	<0.01	4.6	0.1	<0.05	10	<0.5	<0.2
109269	Soil	7	120	3.24	434	0.250	<1	4.05	0.040	1.05	0.1	<0.01	14.1	<0.1	<0.05	18	<0.5	<0.2
109270	Soil	25	69	0.91	196	0.198	<1	2.83	0.009	0.12	0.1	0.02	4.9	<0.1	<0.05	13	0.7	<0.2
109271	Soil	25	55	0.98	244	0.199	<1	2.66	0.009	0.43	0.1	<0.01	4.8	0.2	<0.05	10	<0.5	<0.2
109279	Soil	16	45	0.77	179	0.151	<1	1.87	0.008	0.13	0.1	0.02	3.6	<0.1	<0.05	7	<0.5	<0.2
112365	Soil	13	34	0.55	156	0.090	<1	1.76	0.006	0.24	<0.1	0.02	2.1	0.1	<0.05	7	<0.5	<0.2
112366	Soil	10	23	0.27	88	0.036	1	1.29	0.005	0.08	0.3	0.07	1.0	0.2	<0.05	6	0.6	<0.2
112367	Soil	10	21	0.13	158	0.040	<1	0.85	0.007	0.06	0.1	0.08	0.9	0.2	<0.05	6	<0.5	<0.2
112368	Soil	10	16	0.11	101	0.026	<1	0.97	0.006	0.06	0.2	0.07	0.6	0.2	<0.05	6	<0.5	<0.2
112369	Soil	11	23	0.14	144	0.029	<1	0.97	0.009	0.07	0.1	0.14	0.6	0.1	0.08	5	<0.5	<0.2
112370	Soil	8	20	0.06	266	0.014	<1	0.69	0.011	0.05	<0.1	0.05	0.2	<0.1	<0.05	4	<0.5	<0.2
112371	Soil	12	24	0.33	91	0.046	2	1.63	0.005	0.07	0.3	0.06	2.1	0.2	<0.05	7	<0.5	<0.2
112372	Soil	16	21	0.38	108	0.054	<1	1.08	0.007	0.07	0.4	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
112373	Soil	16	22	0.42	129	0.052	<1	1.14	0.007	0.07	0.3	0.03	1.9	0.1	<0.05	4	<0.5	<0.2
112374	Soil	17	26	0.44	202	0.046	<1	1.54	0.007	0.08	0.3	0.04	2.6	0.2	<0.05	5	<0.5	<0.2
112375	Soil	13	20	0.35	220	0.030	<1	1.10	0.009	0.06	0.2	0.07	1.6	0.1	<0.05	4	0.7	<0.2
112376	Soil	13	23	0.40	119	0.036	1	1.26	0.007	0.05	0.3	0.07	1.7	0.1	<0.05	4	<0.5	<0.2
112377	Soil	12	23	0.35	129	0.027	<1	1.16	0.007	0.04	0.2	0.06	1.3	0.1	<0.05	4	<0.5	<0.2
112378	Soil	13	25	0.39	141	0.037	1	1.15	0.007	0.06	0.3	0.05	1.7	0.1	<0.05	4	<0.5	<0.2
112379	Soil	12	23	0.40	114	0.034	<1	1.10	0.007	0.04	0.2	0.04	1.4	0.1	<0.05	4	<0.5	<0.2
112380	Soil	14	32	0.48	162	0.046	<1	1.60	0.015	0.06	0.3	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
112381	Soil	13	30	0.47	149	0.059	1	1.49	0.014	0.10	0.3	0.03	2.3	0.1	<0.05	5	<0.5	<0.2

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Project: Burnham
 Report Date: August 05, 2011

Page: 12 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
109272	Soil	0.8	21.9	10.1	96	<0.1	48.7	20.6	354	4.39	6.1	1.6	0.7	10.4	69	0.1	0.3	0.2	79	0.44	0.061
109273	Soil	0.5	80.3	11.5	40	<0.1	50.2	28.4	484	5.56	4.0	0.5	<0.5	3.5	18	<0.1	0.2	0.2	96	0.17	0.070
109274	Soil	0.8	27.8	18.0	84	<0.1	39.1	18.6	1058	3.52	6.0	1.2	0.9	7.0	102	0.1	0.4	0.2	51	0.88	0.068
109275	Soil	0.6	26.7	9.6	70	<0.1	39.0	15.4	341	3.61	7.4	0.8	1.4	5.6	24	<0.1	0.5	0.2	77	0.37	0.059
109276	Soil	0.6	27.2	12.3	78	<0.1	32.0	13.3	364	3.51	4.3	1.3	<0.5	11.4	26	<0.1	0.2	0.2	65	0.41	0.053
109277	Soil	0.2	31.9	8.4	82	<0.1	43.8	17.4	546	4.76	1.3	1.7	<0.5	23.4	49	<0.1	<0.1	0.2	69	0.49	0.082
109278	Soil	0.8	22.4	11.6	71	<0.1	30.2	12.3	334	3.31	6.8	1.6	1.5	9.5	17	<0.1	0.5	0.2	56	0.20	0.052
109280	Soil	0.7	56.8	16.2	106	<0.1	117.7	39.6	691	5.33	2.0	0.8	1.2	3.2	43	0.1	0.2	0.1	106	0.83	0.149
109281	Soil	0.8	27.3	10.7	61	<0.1	34.6	11.1	224	3.03	6.9	1.1	2.4	7.5	25	0.1	0.5	0.2	58	0.35	0.076
109282	Soil	1.0	27.7	9.0	56	<0.1	29.4	10.3	252	2.70	7.8	1.1	2.3	6.3	27	<0.1	0.5	0.2	53	0.34	0.070
109283	Soil	0.7	28.7	9.7	65	<0.1	46.9	12.2	264	3.00	5.8	1.3	2.0	7.7	33	0.2	0.4	0.2	57	0.41	0.080
109284	Soil	0.4	34.7	20.3	101	<0.1	52.4	20.7	1040	4.18	4.5	1.2	1.3	8.0	257	0.1	0.2	0.1	63	1.61	0.062
109285	Soil	0.2	35.2	19.5	119	0.1	57.9	17.8	571	4.43	3.5	1.2	0.8	9.9	309	0.1	0.2	0.2	57	3.12	0.071
112339	Soil	0.9	21.3	9.9	58	<0.1	30.2	13.9	256	3.24	11.0	0.8	1.3	6.2	11	0.1	0.6	0.2	62	0.10	0.020
112340	Soil	0.4	21.5	8.1	53	<0.1	49.1	26.1	291	4.51	5.6	0.9	<0.5	7.6	17	<0.1	0.3	0.2	97	0.23	0.044
112341	Soil	0.4	23.9	6.1	64	<0.1	55.7	31.6	356	5.40	2.7	1.0	<0.5	8.3	31	<0.1	0.2	0.2	117	0.34	0.052
112342	Soil	0.3	36.4	3.1	458	<0.1	9.6	12.2	887	4.76	1.1	2.0	<0.5	32.2	19	0.9	<0.1	0.2	48	0.49	0.108
112343	Soil	0.6	13.0	4.6	52	<0.1	44.2	22.1	629	4.69	2.6	0.9	<0.5	12.2	14	<0.1	0.2	<0.1	103	0.45	0.124
112344	Soil	0.7	19.9	7.9	77	0.1	44.4	21.9	645	5.27	6.7	0.9	<0.5	8.9	18	<0.1	0.3	0.1	69	0.20	0.041
112345	Soil	0.4	31.6	3.4	54	<0.1	15.0	17.8	526	5.01	1.3	2.7	<0.5	16.9	18	<0.1	0.2	<0.1	102	0.52	0.112



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Report Date: August 05, 2011

Page: 12 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000566.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
109272	Soil	26	88	1.18	351	0.246	1	4.47	0.051	0.58	0.3	0.02	6.9	0.2	<0.05	15	<0.5	<0.2
109273	Soil	10	70	1.20	334	0.231	<1	3.31	0.025	1.14	<0.1	<0.01	7.5	0.4	<0.05	10	<0.5	<0.2
109274	Soil	26	48	0.73	222	0.084	<1	2.82	0.009	0.06	0.3	0.01	5.3	<0.1	<0.05	9	<0.5	<0.2
109275	Soil	18	65	1.11	233	0.206	1	2.21	0.009	0.08	0.2	0.02	3.9	<0.1	<0.05	8	<0.5	<0.2
109276	Soil	20	53	1.04	266	0.250	<1	2.56	0.008	0.26	0.1	0.01	4.6	0.2	<0.05	9	<0.5	<0.2
109277	Soil	29	75	1.29	221	0.358	<1	3.44	0.013	1.02	<0.1	<0.01	5.7	0.3	<0.05	12	<0.5	<0.2
109278	Soil	20	43	0.67	161	0.152	<1	2.00	0.009	0.20	<0.1	0.02	3.2	0.1	<0.05	7	0.5	<0.2
109280	Soil	19	207	1.63	311	0.193	<1	2.72	0.019	0.10	<0.1	0.01	5.7	<0.1	<0.05	14	<0.5	<0.2
109281	Soil	23	63	0.75	229	0.123	<1	1.79	0.011	0.06	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
109282	Soil	20	43	0.59	252	0.094	<1	1.59	0.011	0.06	0.2	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
109283	Soil	23	75	0.81	148	0.145	<1	2.06	0.013	0.15	0.1	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
109284	Soil	26	78	1.00	255	0.124	<1	3.50	0.044	0.06	0.1	0.03	6.8	<0.1	<0.05	12	<0.5	<0.2
109285	Soil	25	84	1.24	167	0.105	<1	3.42	0.013	0.05	0.2	0.03	7.0	<0.1	<0.05	12	<0.5	<0.2
112339	Soil	14	39	0.63	169	0.102	<1	2.30	0.006	0.12	0.1	0.03	3.7	0.1	<0.05	6	<0.5	<0.2
112340	Soil	20	79	1.68	253	0.258	<1	3.78	0.015	0.44	0.2	0.02	9.3	0.2	<0.05	12	<0.5	<0.2
112341	Soil	21	115	2.15	340	0.333	<1	4.44	0.021	0.61	0.2	0.01	11.5	0.2	<0.05	14	<0.5	<0.2
112342	Soil	80	10	0.97	203	0.303	<1	2.54	0.009	0.46	<0.1	<0.01	11.8	0.2	<0.05	15	<0.5	<0.2
112343	Soil	13	138	1.27	124	0.325	<1	2.58	0.012	0.09	<0.1	<0.01	3.9	<0.1	<0.05	13	<0.5	<0.2
112344	Soil	20	75	1.07	231	0.298	<1	4.00	0.009	0.84	0.3	0.02	7.0	0.6	<0.05	13	<0.5	<0.2
112345	Soil	48	31	1.03	185	0.255	<1	2.54	0.015	0.19	<0.1	0.01	6.6	0.1	<0.05	13	<0.5	<0.2



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 Report Date: August 05, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000566.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
103273	Soil	0.2	129.7	2.8	44	<0.1	63.6	29.0	392	3.59	1.4	0.2	0.9	0.8	25	<0.1	<0.1	<0.1	100	1.05	0.212
REP 103273	QC	0.1	137.1	2.8	44	<0.1	63.9	29.6	398	3.61	1.7	0.2	1.1	0.9	25	<0.1	<0.1	<0.1	103	1.14	0.236
103288	Soil	0.6	34.0	8.5	47	<0.1	62.1	13.6	231	2.61	9.9	0.6	3.7	4.0	21	<0.1	0.4	0.3	49	0.30	0.059
REP 103288	QC	1.0	34.9	8.5	47	<0.1	63.4	13.0	232	2.53	9.4	0.5	2.0	3.8	21	<0.1	0.4	0.2	46	0.31	0.062
103318	Soil	1.1	27.3	10.2	59	0.1	17.1	7.0	209	2.65	5.4	2.8	2.3	12.8	15	0.2	0.5	1.1	41	0.23	0.064
REP 103318	QC	0.9	27.1	9.8	58	<0.1	18.0	6.8	204	2.45	5.2	2.8	4.2	12.6	15	<0.1	0.4	0.9	40	0.23	0.065
103324	Soil	1.2	14.3	10.1	45	0.1	17.3	6.9	196	2.47	9.5	0.6	5.3	1.8	9	0.2	0.6	0.6	50	0.08	0.036
REP 103324	QC	1.2	13.7	10.4	44	0.1	17.6	6.5	198	2.44	10.4	0.6	3.0	1.8	10	0.1	0.6	0.5	51	0.08	0.039
102131	Soil	0.7	58.6	7.0	105	<0.1	46.2	17.9	391	4.71	0.9	1.7	0.7	14.2	13	<0.1	<0.1	0.2	103	0.43	0.111
REP 102131	QC	0.8	54.8	6.8	105	<0.1	45.9	17.2	392	4.59	1.1	1.8	1.3	14.6	13	0.2	<0.1	0.2	103	0.43	0.108
102160	Soil	0.4	52.1	11.3	65	<0.1	83.5	20.1	363	3.95	0.9	1.3	<0.5	13.0	88	<0.1	<0.1	0.2	87	0.94	0.084
REP 102160	QC	0.6	54.6	11.3	69	<0.1	86.8	21.4	371	4.05	0.9	1.3	<0.5	12.9	91	<0.1	<0.1	0.2	88	0.90	0.082
103269	Soil	0.5	24.4	7.8	71	<0.1	42.4	13.8	343	3.81	1.5	1.5	1.9	8.7	10	<0.1	<0.1	0.3	49	0.15	0.062
REP 103269	QC	0.5	24.6	8.0	70	<0.1	41.5	13.6	345	3.73	1.5	1.5	<0.5	8.4	10	<0.1	0.1	0.4	48	0.15	0.066
104302	Soil	0.5	40.0	6.9	36	<0.1	33.6	14.5	209	4.71	1.3	1.2	<0.5	6.8	31	<0.1	<0.1	0.3	49	0.08	0.047
REP 104302	QC	0.6	39.5	6.6	37	<0.1	33.3	14.2	213	4.75	1.1	1.2	<0.5	7.0	33	<0.1	<0.1	0.3	50	0.08	0.046
104303	Soil	0.6	41.1	7.0	65	<0.1	21.2	12.3	187	4.18	0.6	1.3	2.6	5.3	76	<0.1	<0.1	0.3	31	0.19	0.048
REP 104303	QC	0.6	41.9	7.0	66	0.1	21.3	12.6	191	4.18	0.8	1.4	2.6	5.4	77	<0.1	<0.1	0.3	31	0.20	0.045
105294	Soil	0.4	42.1	17.6	93	<0.1	60.1	21.4	536	4.22	4.9	2.5	1.5	19.9	549	0.1	0.3	0.3	56	2.03	0.068
REP 105294	QC	0.3	42.0	17.7	97	<0.1	59.3	22.1	533	4.26	4.8	2.6	2.8	20.4	545	0.1	0.2	0.3	57	2.00	0.072
107302	Soil	0.9	18.1	10.4	46	<0.1	24.0	9.1	208	3.25	10.1	0.8	2.3	4.7	12	<0.1	0.6	0.2	51	0.11	0.031
REP 107302	QC	0.8	18.6	10.6	47	<0.1	23.4	9.1	209	3.29	9.7	0.9	2.8	4.9	13	<0.1	0.5	0.3	51	0.11	0.030
107317	Soil	0.7	15.1	10.9	46	<0.1	21.8	8.3	223	2.41	8.7	0.9	2.8	3.8	15	<0.1	0.4	0.2	50	0.14	0.036
REP 107317	QC	0.7	15.4	10.6	44	<0.1	21.6	7.9	208	2.30	8.1	0.8	2.0	3.6	14	<0.1	0.4	0.2	49	0.13	0.033
107329	Soil	0.8	22.5	9.1	57	<0.1	19.2	7.6	248	2.44	9.6	1.0	2.4	2.4	13	0.1	0.6	0.2	45	0.17	0.071
REP 107329	QC	0.8	23.4	9.2	58	<0.1	19.2	7.4	236	2.38	9.6	1.1	5.1	2.4	13	0.2	0.6	0.2	44	0.17	0.072
107350	Soil	1.0	15.5	9.1	58	<0.1	16.0	7.3	252	2.27	7.2	1.4	0.6	5.9	13	<0.1	0.4	0.4	40	0.19	0.067
REP 107350	QC	0.9	15.0	8.8	58	<0.1	15.9	7.2	241	2.20	6.8	1.4	0.6	6.0	13	0.2	0.4	0.3	39	0.19	0.067

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Page: 1 of 3 **Part** 2

QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
103273	Soil	6	208	1.47	279	0.164	<1	2.27	0.046	0.17	0.1	<0.01	4.3	<0.1	<0.05	7	<0.5	<0.2
REP 103273	QC	6	208	1.50	283	0.194	<1	2.31	0.051	0.18	0.1	<0.01	4.5	<0.1	<0.05	7	<0.5	<0.2
103288	Soil	15	71	0.56	171	0.072	<1	1.64	0.009	0.09	0.2	<0.01	2.7	0.1	<0.05	5	<0.5	<0.2
REP 103288	QC	14	72	0.53	170	0.069	<1	1.56	0.009	0.09	0.2	0.01	2.7	<0.1	<0.05	5	0.6	<0.2
103318	Soil	44	26	0.44	221	0.066	2	1.74	0.007	0.13	0.4	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
REP 103318	QC	43	25	0.42	218	0.067	2	1.66	0.007	0.12	0.3	0.03	3.2	0.2	<0.05	6	<0.5	0.2
103324	Soil	11	20	0.26	118	0.029	3	1.37	0.005	0.05	0.3	0.04	1.3	<0.1	<0.05	5	1.1	<0.2
REP 103324	QC	12	20	0.27	118	0.032	2	1.40	0.005	0.05	0.3	0.03	1.3	<0.1	<0.05	5	1.4	<0.2
102131	Soil	36	76	1.36	286	0.249	1	3.50	0.011	0.43	0.4	0.02	6.6	0.2	<0.05	15	0.9	<0.2
REP 102131	QC	37	77	1.33	290	0.251	<1	3.55	0.010	0.43	0.3	<0.01	6.9	0.2	<0.05	15	<0.5	<0.2
102160	Soil	37	134	2.04	528	0.278	<1	4.54	0.029	0.72	1.0	<0.01	8.6	0.6	<0.05	12	<0.5	<0.2
REP 102160	QC	37	131	2.06	528	0.281	<1	4.64	0.031	0.72	1.1	<0.01	8.6	0.5	<0.05	14	<0.5	<0.2
103269	Soil	19	59	0.90	250	0.197	<1	2.70	0.014	0.92	<0.1	<0.01	4.3	0.5	<0.05	10	<0.5	<0.2
REP 103269	QC	18	58	0.88	243	0.195	<1	2.51	0.013	0.88	<0.1	0.01	4.1	0.4	<0.05	9	<0.5	<0.2
104302	Soil	21	54	0.98	268	0.199	<1	2.75	0.024	1.03	<0.1	<0.01	5.6	0.6	0.17	8	<0.5	<0.2
REP 104302	QC	22	56	1.00	265	0.208	<1	2.81	0.024	1.05	<0.1	<0.01	5.7	0.6	0.17	8	<0.5	<0.2
104303	Soil	22	37	0.72	147	0.155	<1	1.82	0.041	0.72	<0.1	0.01	4.3	0.6	0.44	6	<0.5	<0.2
REP 104303	QC	22	36	0.74	146	0.153	<1	1.84	0.041	0.70	<0.1	0.01	4.0	0.5	0.43	6	<0.5	<0.2
105294	Soil	49	71	1.05	366	0.186	1	6.14	0.144	0.38	0.2	0.03	7.6	0.3	<0.05	16	0.6	<0.2
REP 105294	QC	49	71	1.09	359	0.194	1	6.16	0.148	0.40	0.2	0.03	7.5	0.3	<0.05	16	<0.5	<0.2
107302	Soil	13	35	0.60	131	0.083	<1	1.81	0.007	0.24	0.1	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
REP 107302	QC	13	35	0.59	131	0.084	1	1.81	0.008	0.23	0.1	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
107317	Soil	15	33	0.51	168	0.048	1	1.73	0.008	0.04	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
REP 107317	QC	14	33	0.47	159	0.045	2	1.61	0.008	0.04	0.2	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
107329	Soil	17	25	0.44	144	0.041	2	1.56	0.007	0.07	0.2	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
REP 107329	QC	17	24	0.43	145	0.039	1	1.53	0.007	0.07	0.2	0.05	2.1	0.1	<0.05	4	<0.5	<0.2
107350	Soil	17	22	0.39	152	0.067	<1	1.30	0.006	0.10	1.0	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
REP 107350	QC	17	22	0.38	149	0.067	<1	1.29	0.007	0.10	0.9	0.02	1.9	0.2	<0.05	5	<0.5	<0.2

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Project: Burnham
 Report Date: August 05, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000566.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
107356	Soil	0.7	14.5	9.1	47	<0.1	14.2	7.0	239	2.01	7.1	1.1	1.7	8.0	14	<0.1	0.4	0.2	36	0.20	0.074
REP 107356	QC	0.7	14.4	8.9	49	<0.1	14.5	6.8	239	2.03	7.2	1.1	<0.5	8.0	14	<0.1	0.4	0.2	36	0.20	0.075
108414	Soil	0.6	36.2	8.3	59	<0.1	46.9	16.0	290	3.55	2.4	1.5	<0.5	6.2	31	0.1	0.1	0.2	67	0.37	0.083
REP 108414	QC	0.6	37.0	8.2	60	<0.1	48.0	16.8	301	3.70	3.0	1.6	0.9	6.5	31	<0.1	0.2	0.2	69	0.39	0.084
112371	Soil	2.1	10.9	19.3	57	<0.1	13.6	5.7	261	3.20	12.0	2.5	2.7	5.3	10	0.1	0.5	0.7	60	0.08	0.039
REP 112371	QC	2.2	10.8	18.9	58	<0.1	13.4	5.7	256	3.18	11.9	2.5	1.2	5.4	10	0.2	0.5	0.7	59	0.08	0.040
109272	Soil	0.8	21.9	10.1	96	<0.1	48.7	20.6	354	4.39	6.1	1.6	0.7	10.4	69	0.1	0.3	0.2	79	0.44	0.061
REP 109272	QC	0.8	22.2	9.8	95	<0.1	49.6	20.7	361	4.47	6.0	1.5	<0.5	10.4	69	0.1	0.3	0.2	79	0.44	0.062
112345	Soil	0.4	31.6	3.4	54	<0.1	15.0	17.8	526	5.01	1.3	2.7	<0.5	16.9	18	<0.1	0.2	<0.1	102	0.52	0.112
REP 112345	QC	0.3	31.2	3.2	56	<0.1	15.5	18.3	535	5.14	1.1	2.6	<0.5	17.0	17	<0.1	0.1	<0.1	102	0.52	0.113
Reference Materials																					
STD DS8	Standard	13.5	116.7	126.0	324	1.8	41.2	8.1	634	2.57	28.7	2.8	111.0	6.6	66	2.4	5.6	6.7	43	0.71	0.085
STD DS8	Standard	13.4	118.5	126.9	335	2.0	41.5	8.0	638	2.50	28.8	2.8	125.4	6.9	67	2.5	5.7	6.9	44	0.73	0.083
STD DS8	Standard	12.5	108.5	125.5	314	1.8	38.3	7.9	628	2.48	28.6	2.7	123.7	6.3	65	2.3	5.6	6.4	44	0.66	0.080
STD DS8	Standard	12.3	103.7	121.1	293	1.7	35.5	7.1	591	2.32	25.6	2.8	105.5	6.5	64	2.5	5.1	5.9	40	0.66	0.075
STD DS8	Standard	13.3	114.9	123.3	325	1.9	38.8	7.8	632	2.54	27.8	2.9	122.1	6.8	72	2.3	6.3	7.3	43	0.72	0.084
STD DS8	Standard	12.7	112.3	123.8	323	1.9	39.0	7.6	612	2.49	27.4	2.7	109.7	6.2	66	2.5	6.1	7.0	42	0.67	0.081
STD DS8	Standard	13.7	109.9	118.8	299	1.7	37.9	7.4	608	2.39	26.9	2.7	107.8	6.8	67	2.0	5.9	6.4	44	0.66	0.079
STD DS8	Standard	14.5	114.2	125.6	315	1.8	39.4	8.3	636	2.55	27.9	2.9	115.1	7.1	69	2.2	6.4	6.7	46	0.71	0.082
STD DS8	Standard	12.8	106.5	121.4	302	1.8	36.9	7.3	604	2.41	25.6	2.8	100.8	6.8	68	2.1	5.8	6.7	41	0.68	0.077
STD DS8	Standard	12.8	107.8	119.5	311	1.8	38.0	7.4	606	2.43	26.7	2.7	107.7	6.9	68	2.3	5.7	6.5	43	0.69	0.079
STD DS8	Standard	12.2	104.2	115.5	292	1.8	34.6	6.8	567	2.23	25.6	2.4	100.5	5.9	57	2.0	5.3	5.7	39	0.62	0.072
STD DS8	Standard	11.9	104.2	120.6	296	1.7	35.4	7.0	583	2.42	25.6	2.5	108.6	6.6	59	2.5	5.2	6.1	41	0.62	0.078
STD DS8	Standard	14.1	119.8	130.6	318	1.8	38.2	7.7	623	2.43	28.3	2.9	115.3	7.6	69	2.5	5.7	7.2	45	0.69	0.079
STD DS8	Standard	12.3	105.9	127.7	292	1.7	34.9	7.0	570	2.27	25.3	2.9	127.1	7.5	65	2.4	5.3	7.0	40	0.66	0.072
STD DS8	Standard	12.7	109.0	121.5	324	2.0	37.8	7.4	611	2.48	29.1	3.0	113.2	7.1	69	2.4	5.9	7.4	41	0.70	0.086
STD DS8	Standard	12.6	106.5	122.1	312	1.8	35.4	7.6	577	2.35	26.9	3.0	108.5	7.4	69	2.1	5.7	7.1	41	0.65	0.083
STD DS8	Standard	12.2	104.8	122.5	299	1.8	36.3	7.4	612	2.39	25.4	2.9	113.4	7.2	65	2.4	5.6	7.0	41	0.67	0.076
STD DS8	Standard	12.6	106.4	123.0	302	1.8	34.3	7.4	586	2.32	24.9	2.8	109.1	7.2	65	2.4	5.4	6.9	40	0.63	0.075

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 Report Date: August 05, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000566.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
107356	Soil	20	21	0.33	171	0.048	<1	1.18	0.005	0.06	0.7	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
REP 107356	QC	20	21	0.33	174	0.045	<1	1.19	0.005	0.06	0.8	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
108414	Soil	22	65	1.27	257	0.196	1	2.73	0.015	0.68	<0.1	0.02	4.8	0.3	<0.05	9	<0.5	<0.2
REP 108414	QC	25	67	1.30	262	0.217	<1	2.82	0.016	0.73	<0.1	0.02	5.3	0.3	<0.05	10	<0.5	<0.2
112371	Soil	12	24	0.33	91	0.046	2	1.63	0.005	0.07	0.3	0.06	2.1	0.2	<0.05	7	<0.5	<0.2
REP 112371	QC	12	24	0.33	91	0.045	1	1.64	0.005	0.07	0.2	0.06	2.0	0.2	<0.05	8	<0.5	<0.2
109272	Soil	26	88	1.18	351	0.246	1	4.47	0.051	0.58	0.3	0.02	6.9	0.2	<0.05	15	<0.5	<0.2
REP 109272	QC	26	91	1.20	360	0.252	1	4.68	0.052	0.60	0.3	0.02	7.1	0.2	<0.05	15	<0.5	<0.2
112345	Soil	48	31	1.03	185	0.255	<1	2.54	0.015	0.19	<0.1	0.01	6.6	0.1	<0.05	13	<0.5	<0.2
REP 112345	QC	47	31	1.02	179	0.248	<1	2.52	0.016	0.19	<0.1	0.01	6.4	0.1	<0.05	14	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	122	0.64	282	0.118	3	0.96	0.099	0.45	2.8	0.20	2.1	5.2	0.18	5	4.6	5.1
STD DS8	Standard	14	119	0.63	288	0.115	3	0.95	0.097	0.44	3.1	0.23	2.2	5.6	0.21	5	5.6	5.4
STD DS8	Standard	14	120	0.54	281	0.112	3	0.90	0.085	0.43	3.2	0.21	2.2	5.4	0.20	5	6.4	4.8
STD DS8	Standard	14	112	0.52	267	0.110	3	0.87	0.087	0.40	2.8	0.21	2.3	5.3	0.13	4	5.6	4.6
STD DS8	Standard	15	121	0.62	284	0.131	3	0.93	0.088	0.45	3.0	0.22	1.9	5.5	0.17	5	5.0	5.0
STD DS8	Standard	14	120	0.61	273	0.121	2	0.87	0.082	0.42	3.0	0.23	2.0	5.4	0.17	5	5.2	4.9
STD DS8	Standard	14	120	0.59	264	0.129	2	0.87	0.082	0.39	2.9	0.19	2.1	5.1	0.18	5	4.7	4.8
STD DS8	Standard	16	124	0.63	288	0.137	2	0.93	0.088	0.42	3.0	0.19	2.3	5.4	0.19	5	5.3	5.0
STD DS8	Standard	15	117	0.60	280	0.125	3	0.89	0.086	0.40	2.9	0.20	2.0	5.3	0.16	5	4.3	5.4
STD DS8	Standard	15	121	0.61	276	0.127	2	0.91	0.086	0.42	2.8	0.19	2.0	5.3	0.17	5	5.0	4.6
STD DS8	Standard	12	107	0.51	258	0.100	2	0.82	0.064	0.38	2.9	0.18	1.6	4.8	0.11	4	4.8	4.8
STD DS8	Standard	13	108	0.52	258	0.104	3	0.82	0.067	0.39	3.0	0.24	1.7	5.1	0.12	4	5.3	4.7
STD DS8	Standard	14	120	0.61	264	0.118	4	0.91	0.086	0.42	2.9	0.22	2.2	5.4	0.14	5	5.1	4.8
STD DS8	Standard	14	109	0.56	265	0.113	2	0.84	0.086	0.40	2.8	0.20	2.0	5.0	0.14	4	4.3	4.6
STD DS8	Standard	14	111	0.62	276	0.114	2	0.87	0.089	0.46	2.9	0.23	1.9	5.2	0.18	5	5.6	5.4
STD DS8	Standard	15	115	0.59	276	0.115	2	0.87	0.091	0.42	2.8	0.21	2.0	5.3	0.16	5	5.3	4.7
STD DS8	Standard	13	112	0.60	271	0.112	2	0.85	0.084	0.42	2.9	0.18	1.8	5.3	0.15	4	4.4	4.8
STD DS8	Standard	14	113	0.57	271	0.111	2	0.82	0.083	0.39	2.9	0.22	1.9	5.1	0.15	4	4.3	4.4

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Project: Burnham
 Report Date: August 05, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000566.1

		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	ppb	ppm	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	12.3	109.1	134.2	309	1.8	37.6	7.3	595	2.41	26.0	3.0	129.8	7.3	70	2.3	6.1	7.4	41	0.69	0.078
STD DS8	Standard	12.8	100.1	129.8	300	1.7	35.1	6.6	569	2.26	23.5	2.9	116.8	7.3	67	2.1	5.4	7.0	38	0.66	0.070
STD DS8	Standard	13.7	109.1	119.5	307	1.8	36.8	7.5	630	2.45	27.0	2.8	102.4	6.8	71	2.2	6.0	6.8	42	0.69	0.083
STD DS8	Standard	12.5	104.1	120.9	300	1.8	35.1	7.0	557	2.26	24.8	2.7	102.2	6.4	53	2.1	4.8	5.3	38	0.62	0.074
STD DS8	Standard	13.0	102.2	122.9	302	1.8	35.4	7.0	557	2.27	25.5	2.7	110.5	6.7	54	2.2	4.6	5.5	38	0.62	0.076
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Burnham
 Report Date: August 05, 2011

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

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		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	0.01	0.05	1	0.5	0.2
STD DS8	Standard	14	116	0.61	274	0.116	3	0.86	0.085	0.41	3.1	0.19	1.9	5.5	0.16	4	6.0	5.1
STD DS8	Standard	14	112	0.55	263	0.111	3	0.82	0.082	0.38	2.7	0.20	1.8	5.2	0.13	5	4.6	4.9
STD DS8	Standard	16	116	0.62	285	0.126	2	0.90	0.091	0.42	2.9	0.19	2.2	5.3	0.16	5	5.3	5.2
STD DS8	Standard	13	109	0.56	262	0.097	2	0.82	0.075	0.39	2.9	0.21	1.8	5.2	0.13	4	5.2	4.8
STD DS8	Standard	13	108	0.58	271	0.097	3	0.84	0.077	0.39	2.9	0.21	1.9	5.2	0.13	4	4.7	5.0
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 13, 2011
Report Date: August 04, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000569.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 2011702105809-094117
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. 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: Burnham
 Report Date: August 04, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000569.1

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	P
			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	2	0.01	0.001	
112346	Soil		0.7	35.8	4.7	38	<0.1	16.3	12.8	262	3.16	6.3	1.1	1.1	7.6	6	<0.1	0.3	<0.1	68	0.22	0.061
112347	Soil		1.4	26.4	10.2	56	<0.1	26.0	15.4	559	3.46	10.0	0.7	0.7	4.7	14	<0.1	0.5	0.2	68	0.19	0.044
112348	Soil		0.9	20.0	8.7	56	<0.1	24.3	10.8	227	2.80	11.4	0.6	2.2	4.6	11	<0.1	0.5	0.2	45	0.10	0.020
112349	Soil		0.8	9.6	9.0	33	<0.1	15.5	8.4	207	2.43	4.3	0.5	1.9	3.1	18	<0.1	0.2	0.2	59	0.27	0.040
112350	Soil		1.4	15.4	11.0	65	0.2	18.7	17.0	426	3.11	10.3	0.8	1.5	4.3	25	<0.1	0.5	0.2	61	0.27	0.036
112351	Soil		1.1	41.2	8.6	58	<0.1	25.9	13.4	285	3.08	11.4	0.5	1.2	3.7	12	<0.1	0.6	0.2	56	0.22	0.048
112352	Soil		0.8	16.8	8.9	54	<0.1	29.8	11.5	211	2.73	10.7	0.4	1.2	4.0	9	<0.1	0.5	0.2	43	0.11	0.032
112353	Soil		0.9	15.6	9.8	58	<0.1	26.3	10.2	209	3.15	11.8	0.5	<0.5	4.6	9	0.1	0.5	0.2	48	0.09	0.033
112354	Soil		1.0	31.6	8.3	68	<0.1	31.1	10.3	167	3.88	7.1	0.9	1.5	6.5	20	<0.1	0.3	0.2	54	0.15	0.032
112355	Soil		0.8	19.4	8.3	51	<0.1	22.5	10.9	166	3.11	7.6	0.6	2.9	4.1	17	<0.1	0.3	0.1	38	0.14	0.023
112356	Soil		0.4	34.3	10.8	95	<0.1	55.0	19.7	538	4.86	4.1	1.2	0.5	7.5	423	<0.1	0.1	0.2	77	1.38	0.060
112357	Soil		0.4	25.7	13.3	69	<0.1	32.9	10.6	206	3.35	5.6	1.2	1.0	10.6	114	<0.1	0.1	0.2	39	1.52	0.034
112358	Soil		0.7	16.2	8.5	46	<0.1	21.0	9.4	156	2.78	9.3	0.7	4.6	4.5	14	<0.1	0.3	0.2	43	0.14	0.024
112359	Soil		0.6	23.3	9.3	58	<0.1	36.6	18.3	360	3.51	6.8	0.8	1.3	8.7	73	<0.1	0.2	0.2	49	0.77	0.041
112360	Soil		1.1	13.5	8.8	63	<0.1	20.7	12.0	505	2.87	8.8	0.7	1.8	6.0	18	<0.1	0.4	0.2	50	0.19	0.029
112361	Soil		0.9	15.1	8.6	46	<0.1	22.4	10.1	145	2.79	9.4	0.5	0.9	3.8	11	<0.1	0.3	0.2	39	0.14	0.021
112362	Soil		0.3	19.9	22.0	135	<0.1	42.2	18.1	558	4.62	3.7	1.0	<0.5	8.1	32	0.6	<0.1	0.6	48	0.21	0.023
112363	Soil		0.7	32.3	9.1	68	<0.1	45.9	16.8	165	4.41	4.0	1.3	<0.5	10.8	10	<0.1	0.2	0.3	58	0.10	0.024
112364	Soil		1.1	20.8	8.7	64	<0.1	31.6	12.3	289	3.69	6.9	0.6	2.6	5.5	9	0.1	0.3	0.2	61	0.09	0.043
104315	Soil		0.9	11.7	9.1	51	<0.1	12.5	5.3	190	2.34	9.3	1.0	2.6	3.4	10	0.2	0.3	0.2	38	0.11	0.063
104316	Soil		1.3	14.7	10.5	46	<0.1	12.7	5.4	178	2.45	9.5	2.6	1.6	0.8	13	0.2	0.3	0.2	43	0.15	0.055
104317	Soil		2.1	8.9	12.0	58	<0.1	10.6	6.3	449	2.64	9.2	1.2	3.0	6.8	9	<0.1	0.3	0.4	42	0.18	0.061
104318	Soil		1.0	13.4	11.2	59	<0.1	16.3	8.1	392	2.77	10.0	1.8	1.6	7.2	12	0.1	0.4	0.2	38	0.17	0.057
104319	Soil		1.3	12.2	15.4	57	<0.1	14.2	6.5	228	2.97	11.9	1.2	0.9	5.0	9	0.1	0.5	0.3	48	0.08	0.048
104320	Soil		1.0	28.3	11.0	57	<0.1	18.7	9.3	374	2.54	11.6	1.9	4.0	5.7	14	<0.1	0.6	0.2	40	0.15	0.067
104321	Soil		1.1	26.1	11.5	56	<0.1	16.7	8.1	274	2.36	12.0	2.3	4.0	5.4	14	<0.1	0.6	0.3	41	0.14	0.050
104322	Soil		1.8	21.2	12.9	49	<0.1	15.4	8.0	248	2.42	10.3	2.2	4.7	4.4	13	<0.1	0.4	0.8	38	0.13	0.056
104323	Soil		1.2	17.2	17.1	51	<0.1	13.4	7.4	366	2.35	7.0	2.2	2.5	10.3	12	<0.1	0.4	0.6	31	0.16	0.065
104324	Soil		1.2	59.8	14.9	95	0.2	21.4	10.3	484	2.90	10.9	2.8	1.6	7.1	14	0.5	0.6	2.2	52	0.10	0.051
104325	Soil		1.5	60.5	13.6	63	0.2	18.8	7.2	247	2.56	10.4	6.6	4.1	13.3	15	0.4	0.5	4.2	38	0.16	0.068

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Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
112346	Soil	13	29	0.61	137	0.180	<1	2.19	0.016	0.08	0.1	<0.01	3.4	<0.1	<0.05	7	0.5	<0.2
112347	Soil	9	50	0.63	228	0.090	<1	2.64	0.010	0.07	0.2	0.01	3.4	0.1	<0.05	8	<0.5	<0.2
112348	Soil	13	31	0.50	183	0.056	<1	2.04	0.007	0.08	0.1	0.05	3.3	<0.1	<0.05	5	<0.5	<0.2
112349	Soil	14	26	0.61	163	0.102	<1	1.75	0.007	0.08	<0.1	0.01	2.7	<0.1	<0.05	10	<0.5	<0.2
112350	Soil	13	35	0.44	292	0.055	<1	2.27	0.014	0.06	0.2	0.03	4.0	0.2	<0.05	7	0.6	<0.2
112351	Soil	10	33	0.57	193	0.088	<1	2.29	0.012	0.07	0.2	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
112352	Soil	11	45	0.56	159	0.050	<1	1.89	0.007	0.04	0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
112353	Soil	12	36	0.61	155	0.068	2	2.06	0.008	0.08	0.2	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
112354	Soil	16	39	0.78	169	0.119	<1	2.32	0.010	0.25	<0.1	<0.01	3.7	0.2	<0.05	8	<0.5	<0.2
112355	Soil	13	31	0.61	156	0.047	<1	1.90	0.009	0.17	0.1	0.01	3.3	0.1	<0.05	5	0.6	<0.2
112356	Soil	28	105	1.47	229	0.219	<1	5.69	0.142	0.53	0.2	<0.01	9.9	0.3	<0.05	16	<0.5	<0.2
112357	Soil	22	45	0.75	162	0.128	<1	3.87	0.006	0.07	0.1	<0.01	4.0	<0.1	<0.05	10	<0.5	<0.2
112358	Soil	13	28	0.50	147	0.051	<1	2.00	0.006	0.11	0.1	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
112359	Soil	21	44	0.67	193	0.145	<1	3.50	0.006	0.08	0.2	0.01	2.8	<0.1	<0.05	11	<0.5	<0.2
112360	Soil	14	34	0.53	228	0.082	<1	2.03	0.007	0.16	0.1	0.01	3.0	0.1	<0.05	7	0.7	<0.2
112361	Soil	13	28	0.54	179	0.051	<1	1.87	0.007	0.14	0.1	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
112362	Soil	21	59	1.26	237	0.224	<1	3.67	0.010	1.12	0.3	<0.01	6.7	0.5	<0.05	14	<0.5	<0.2
112363	Soil	25	57	1.07	181	0.177	<1	3.31	0.009	0.82	0.1	0.02	4.8	0.6	<0.05	10	0.6	<0.2
112364	Soil	16	38	0.89	157	0.124	<1	2.61	0.012	0.32	0.2	0.01	3.5	0.2	<0.05	9	<0.5	<0.2
104315	Soil	15	22	0.38	128	0.035	<1	1.44	0.006	0.05	0.2	0.03	2.3	0.1	<0.05	5	0.7	<0.2
104316	Soil	21	23	0.34	165	0.027	<1	1.51	0.007	0.05	0.1	0.04	1.7	0.1	<0.05	6	<0.5	<0.2
104317	Soil	16	19	0.31	84	0.046	<1	1.27	0.006	0.08	0.2	0.01	1.5	0.1	<0.05	7	<0.5	<0.2
104318	Soil	19	24	0.42	160	0.037	<1	1.72	0.007	0.07	0.2	0.02	2.4	0.1	<0.05	5	0.6	<0.2
104319	Soil	12	26	0.41	118	0.039	2	1.94	0.006	0.06	0.2	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
104320	Soil	21	24	0.44	201	0.039	1	1.54	0.007	0.05	0.1	0.04	4.0	<0.1	<0.05	4	0.6	<0.2
104321	Soil	18	24	0.42	214	0.041	<1	1.36	0.007	0.05	0.2	0.04	4.4	0.1	<0.05	4	<0.5	<0.2
104322	Soil	22	22	0.35	147	0.032	<1	1.40	0.006	0.05	0.2	0.03	2.8	0.2	<0.05	4	<0.5	<0.2
104323	Soil	30	20	0.31	142	0.021	<1	1.50	0.007	0.06	0.1	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
104324	Soil	27	28	0.44	211	0.058	<1	1.92	0.009	0.07	0.1	0.06	5.5	0.2	<0.05	6	<0.5	<0.2
104325	Soil	44	24	0.38	135	0.029	<1	1.59	0.006	0.06	0.2	0.04	3.5	0.2	<0.05	4	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000569.1

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	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001	
104326	Soil		1.2	23.4	11.6	68	<0.1	22.2	9.8	360	2.55	14.8	1.4	2.2	5.3	14	0.2	0.7	0.3	42	0.19	0.115
104327	Soil		1.1	15.9	27.9	63	<0.1	11.3	6.8	486	2.60	7.0	3.2	1.9	4.5	7	0.2	0.3	1.0	31	0.16	0.109
104328	Soil		1.1	22.8	14.5	56	<0.1	20.8	9.2	328	2.56	11.1	1.9	3.8	8.1	10	0.2	0.6	0.3	44	0.12	0.052
104329	Soil		0.9	8.2	19.1	74	<0.1	8.4	6.6	348	3.01	5.7	4.4	<0.5	19.7	6	<0.1	0.2	0.4	20	0.24	0.154
104330	Soil		0.9	19.3	11.9	60	<0.1	16.7	6.9	257	2.56	11.1	3.3	2.3	8.9	9	0.1	0.6	0.3	38	0.07	0.038
104331	Soil		0.6	9.6	13.9	80	<0.1	11.4	6.3	307	2.57	5.6	3.3	0.9	14.1	7	0.6	0.3	0.3	27	0.08	0.065
104332	Soil		1.1	9.1	57.6	24	<0.1	5.2	2.0	65	1.04	5.1	5.5	<0.5	29.5	18	<0.1	0.2	0.9	9	0.10	0.039
104333	Soil		1.1	16.8	12.8	54	<0.1	16.0	6.9	235	2.76	11.6	1.3	2.0	5.7	11	0.2	0.6	0.2	50	0.08	0.058
104334	Soil		1.3	10.6	14.9	96	<0.1	14.8	7.8	326	2.84	10.0	4.9	1.9	10.2	9	0.1	0.4	0.3	46	0.13	0.092
104335	Soil		0.9	18.6	12.0	53	<0.1	19.3	8.2	222	2.50	12.1	1.3	2.1	6.2	9	<0.1	0.6	0.5	41	0.07	0.030
104336	Soil		1.0	14.9	11.5	54	<0.1	20.6	7.9	237	2.58	10.6	1.6	3.6	6.2	11	<0.1	0.5	0.3	44	0.10	0.048
104337	Soil		1.0	9.8	15.5	62	<0.1	11.6	5.9	351	2.45	5.3	6.7	1.4	13.9	10	<0.1	0.3	0.4	30	0.16	0.107
104338	Soil		5.1	9.0	13.0	75	<0.1	11.7	5.2	227	3.00	6.8	7.3	0.6	16.4	8	<0.1	0.3	0.3	35	0.07	0.059
104339	Soil		1.3	32.9	12.1	48	<0.1	22.7	9.7	336	2.50	9.4	35.7	4.1	4.8	19	<0.1	0.7	0.2	45	0.16	0.028
104340	Soil		1.3	27.6	12.4	52	<0.1	22.1	9.2	375	2.51	10.9	34.7	2.7	5.6	21	<0.1	0.6	0.3	46	0.18	0.026
104341	Soil		1.4	10.0	15.4	50	<0.1	9.4	5.2	235	2.14	12.2	6.2	0.9	16.8	11	<0.1	0.3	0.5	22	0.11	0.049
104342	Soil		1.5	21.9	62.1	92	<0.1	12.8	7.1	641	2.66	7.9	5.1	1.3	15.0	17	0.3	0.4	1.1	33	0.15	0.054
109286	Soil		1.2	10.9	13.7	50	<0.1	13.7	6.4	249	2.96	10.7	0.6	2.2	2.9	9	<0.1	0.5	0.5	56	0.08	0.043
109287	Soil		0.9	32.7	11.2	56	<0.1	17.1	8.5	283	2.87	7.2	1.9	1.7	9.6	13	0.2	0.5	1.0	38	0.15	0.065
109288	Soil		0.8	16.3	10.9	65	<0.1	18.4	9.4	370	2.83	6.8	1.6	1.3	10.3	12	0.1	0.4	0.5	38	0.16	0.056
109289	Soil		2.9	38.7	17.4	181	<0.1	29.3	12.1	398	3.07	15.6	2.3	1.6	6.0	13	1.2	0.5	0.9	60	0.15	0.080
109290	Soil		2.8	38.4	17.2	178	<0.1	28.7	11.1	325	3.22	15.5	2.2	1.6	6.0	12	1.3	0.5	1.0	64	0.13	0.065
109291	Soil		2.0	16.3	14.9	67	<0.1	19.0	7.1	227	2.80	10.9	1.7	1.7	3.2	13	0.4	0.6	0.5	46	0.11	0.045
109292	Soil		0.8	12.2	12.7	26	<0.1	8.7	2.7	93	1.65	5.9	1.0	1.3	0.2	9	0.1	0.3	0.4	40	0.07	0.047
109293	Soil		1.1	18.6	10.9	58	<0.1	22.1	10.8	328	3.03	9.8	1.0	4.1	5.1	10	0.2	0.5	0.2	49	0.09	0.044
109294	Soil		0.8	15.4	10.4	47	<0.1	13.5	5.4	157	2.19	6.5	1.3	1.7	1.1	10	0.1	0.4	0.3	38	0.08	0.053
109295	Soil		1.6	18.6	11.9	64	<0.1	17.8	6.4	231	2.61	9.9	1.5	2.0	1.3	13	0.2	0.5	0.3	49	0.13	0.066
109296	Soil		1.1	17.9	16.0	54	<0.1	14.3	5.9	205	2.48	10.1	3.0	3.0	0.8	14	0.1	0.4	0.5	42	0.14	0.072
109297	Soil		0.9	9.5	13.4	55	<0.1	11.3	6.4	296	2.51	8.2	2.1	<0.5	5.3	8	<0.1	0.4	0.4	34	0.13	0.075
109298	Soil		1.1	13.4	12.4	56	<0.1	14.1	7.8	347	2.46	8.7	2.0	0.7	8.6	9	0.1	0.5	0.3	32	0.14	0.085

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Project: Burnham
 Report Date: August 04, 2011

Page: 3 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
104326	Soil	15	24	0.43	148	0.070	<1	1.47	0.008	0.12	0.2	0.02	3.2	0.2	<0.05	5	<0.5	<0.2
104327	Soil	31	20	0.24	96	0.017	<1	1.51	0.007	0.12	0.1	0.02	1.2	0.2	<0.05	6	<0.5	<0.2
104328	Soil	15	28	0.43	160	0.067	<1	1.73	0.008	0.09	0.2	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
104329	Soil	27	14	0.23	74	0.032	<1	1.73	0.007	0.25	0.1	<0.01	1.4	0.4	<0.05	8	<0.5	<0.2
104330	Soil	22	24	0.38	102	0.060	<1	1.54	0.005	0.08	0.1	0.05	4.7	0.2	<0.05	5	<0.5	<0.2
104331	Soil	21	14	0.28	132	0.066	<1	1.64	0.007	0.19	0.2	<0.01	2.3	0.4	<0.05	7	<0.5	<0.2
104332	Soil	70	8	0.12	105	0.003	<1	0.94	0.004	0.11	<0.1	<0.01	1.4	0.3	<0.05	2	<0.5	<0.2
104333	Soil	15	30	0.40	100	0.060	1	1.70	0.007	0.06	0.2	0.04	4.0	0.1	<0.05	5	<0.5	<0.2
104334	Soil	16	25	0.30	153	0.041	<1	1.95	0.006	0.11	0.2	0.02	2.5	0.3	<0.05	7	0.5	<0.2
104335	Soil	12	26	0.38	170	0.048	<1	1.71	0.006	0.07	0.2	0.02	2.7	0.2	<0.05	4	<0.5	<0.2
104336	Soil	12	26	0.39	166	0.058	<1	1.81	0.006	0.08	0.2	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
104337	Soil	17	18	0.24	140	0.050	<1	1.74	0.007	0.19	0.3	0.02	2.2	0.5	<0.05	7	<0.5	<0.2
104338	Soil	19	20	0.24	122	0.033	<1	1.75	0.006	0.14	0.3	0.01	1.9	0.4	<0.05	7	<0.5	<0.2
104339	Soil	19	28	0.40	329	0.045	<1	1.47	0.007	0.04	0.1	0.05	4.4	0.1	<0.05	4	0.6	<0.2
104340	Soil	20	29	0.44	341	0.053	<1	1.45	0.008	0.05	0.1	0.05	5.2	<0.1	<0.05	4	<0.5	<0.2
104341	Soil	34	14	0.21	163	0.018	<1	1.22	0.006	0.10	0.1	0.02	2.4	0.2	<0.05	4	0.5	<0.2
104342	Soil	28	18	0.31	219	0.034	<1	1.46	0.008	0.09	0.2	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
109286	Soil	14	24	0.36	129	0.049	<1	1.52	0.006	0.08	0.1	0.02	1.9	0.2	<0.05	7	<0.5	<0.2
109287	Soil	25	23	0.47	138	0.076	<1	1.95	0.009	0.19	0.4	0.02	2.6	0.3	<0.05	6	<0.5	<0.2
109288	Soil	28	23	0.49	147	0.094	<1	1.97	0.009	0.25	0.2	0.02	2.9	0.4	<0.05	7	<0.5	<0.2
109289	Soil	20	28	0.48	169	0.056	<1	1.90	0.008	0.14	0.6	0.02	2.8	0.2	<0.05	6	1.0	<0.2
109290	Soil	20	29	0.51	164	0.060	<1	1.91	0.007	0.15	0.6	0.03	2.7	0.3	<0.05	6	1.0	<0.2
109291	Soil	24	25	0.42	141	0.040	<1	1.57	0.006	0.08	0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
109292	Soil	12	15	0.16	94	0.015	<1	1.16	0.005	0.05	0.1	0.03	0.3	0.1	<0.05	7	<0.5	<0.2
109293	Soil	14	31	0.48	163	0.087	<1	1.91	0.007	0.18	0.2	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
109294	Soil	18	21	0.32	154	0.052	<1	1.38	0.008	0.12	0.1	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
109295	Soil	15	25	0.40	138	0.045	<1	1.57	0.007	0.10	0.1	0.04	1.7	0.2	<0.05	6	0.7	<0.2
109296	Soil	21	23	0.34	172	0.025	<1	1.74	0.006	0.09	0.1	0.04	1.4	0.2	<0.05	6	0.6	<0.2
109297	Soil	22	18	0.32	79	0.041	<1	1.63	0.005	0.14	0.2	0.02	1.5	0.2	<0.05	6	0.7	<0.2
109298	Soil	24	21	0.34	106	0.040	<1	1.64	0.006	0.13	0.3	0.03	2.1	0.2	<0.05	5	0.6	<0.2

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Page: 4 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
109299	Soil			0.9	15.9	9.6	62	<0.1	18.7	7.5	348	2.24	9.5	1.4	1.2	5.2	14	0.1	0.5	0.2	34	0.20	0.087
109300	Soil			0.8	14.2	13.5	54	<0.1	13.8	7.2	326	2.31	8.4	2.3	1.9	5.1	14	<0.1	0.4	0.2	31	0.20	0.083
109301	Soil			1.1	15.3	12.2	54	<0.1	14.8	6.1	260	2.50	9.5	2.4	0.8	3.9	10	0.2	0.4	0.3	45	0.12	0.070
109302	Soil			1.0	10.8	12.1	61	<0.1	13.5	6.2	300	2.56	7.4	1.2	1.2	4.4	8	0.1	0.4	0.3	35	0.13	0.063
109303	Soil			1.1	36.6	16.0	68	<0.1	19.6	8.0	300	3.26	12.4	2.8	2.1	7.5	18	<0.1	0.7	0.4	52	0.18	0.060
109304	Soil			1.3	7.6	12.4	49	<0.1	9.1	4.5	310	2.32	5.8	1.3	1.5	7.4	5	<0.1	0.3	0.4	30	0.13	0.092
109305	Soil			1.2	13.7	12.9	56	<0.1	18.0	9.3	362	2.71	11.5	1.0	2.5	6.3	10	<0.1	0.8	0.2	44	0.08	0.043
109306	Soil			1.6	12.7	13.2	50	<0.1	16.9	8.4	375	2.74	12.0	1.1	2.1	5.0	8	<0.1	0.6	0.3	42	0.09	0.084
109307	Soil			1.1	11.2	13.4	42	<0.1	13.3	5.7	224	2.53	9.6	1.0	1.6	4.9	8	0.1	0.6	0.3	45	0.10	0.046
109308	Soil			0.9	10.1	12.1	56	<0.1	11.9	6.2	334	2.84	8.4	1.4	1.7	8.5	8	<0.1	0.6	0.3	33	0.16	0.093
109309	Soil			0.4	7.3	10.3	58	<0.1	7.8	6.0	340	2.82	3.6	3.1	0.7	23.6	6	<0.1	0.2	0.3	17	0.29	0.175
109310	Soil			1.0	9.1	10.6	73	<0.1	8.8	6.1	439	3.50	6.5	3.1	1.5	20.2	9	<0.1	0.4	0.6	34	0.20	0.164
109311	Soil			0.2	4.3	2.5	50	<0.1	6.6	10.1	658	7.71	1.1	1.7	<0.5	20.1	18	<0.1	<0.1	0.2	12	0.35	0.073
109312	Soil			0.6	8.2	10.3	69	<0.1	11.6	6.5	281	3.11	7.5	1.5	1.7	13.5	7	<0.1	0.4	0.3	40	0.17	0.112
109313	Soil			0.9	18.3	15.1	63	<0.1	18.7	7.7	239	2.74	12.3	1.8	1.7	11.3	9	<0.1	0.8	0.2	38	0.10	0.043
109314	Soil			1.0	9.1	11.7	62	<0.1	15.3	7.2	252	3.18	9.5	1.2	0.8	10.5	9	<0.1	0.5	0.3	42	0.12	0.082
109315	Soil			0.8	12.1	11.9	62	<0.1	17.1	7.3	293	2.78	9.4	1.8	1.3	11.2	10	<0.1	0.5	0.3	34	0.12	0.090
109316	Soil			0.7	19.4	10.1	56	<0.1	18.1	7.7	324	2.60	10.3	3.1	0.9	11.1	13	<0.1	0.6	0.2	39	0.15	0.057
109317	Soil			0.7	8.6	12.1	62	<0.1	11.1	6.1	287	2.99	5.2	2.8	<0.5	21.1	7	<0.1	0.3	0.3	23	0.22	0.115
109318	Soil			0.6	23.8	10.5	47	<0.1	17.5	7.6	299	2.28	10.0	2.0	1.8	7.0	14	<0.1	0.6	0.2	37	0.13	0.036
109319	Soil			0.9	10.3	11.0	60	<0.1	12.6	5.9	270	2.69	7.8	2.2	0.7	12.4	8	<0.1	0.5	0.3	32	0.16	0.098
109320	Soil			0.3	10.9	6.3	49	<0.1	8.2	5.2	261	2.28	3.4	3.0	<0.5	29.5	5	<0.1	0.2	0.3	14	0.27	0.153
113208	Soil			0.2	33.8	38.7	77	<0.1	38.7	19.2	841	4.65	2.8	2.9	1.6	20.3	161	<0.1	0.1	0.4	58	0.89	0.085
113209	Soil			0.1	11.4	10.1	101	<0.1	38.6	16.1	202	3.35	1.3	1.9	<0.5	16.9	99	<0.1	<0.1	0.1	70	0.60	0.031
113210	Soil			0.4	21.4	9.2	52	<0.1	35.6	14.3	242	3.53	5.6	1.2	<0.5	8.3	82	<0.1	0.2	0.1	58	0.48	0.059
113211	Soil			0.3	4.4	11.4	66	<0.1	37.9	11.5	132	5.04	2.3	1.0	<0.5	11.7	83	<0.1	<0.1	0.1	56	0.66	0.024
113212	Soil			0.2	24.0	20.4	82	<0.1	31.6	16.4	744	3.99	2.0	1.4	0.9	8.2	731	0.1	<0.1	0.3	50	7.95	0.077
113213	Soil			0.2	30.8	16.8	101	<0.1	45.2	21.5	1687	6.15	1.6	2.7	1.0	14.1	782	<0.1	<0.1	0.3	79	2.88	0.074
113214	Soil			0.6	24.9	12.6	63	<0.1	28.3	11.6	350	2.87	8.8	1.0	<0.5	5.7	56	<0.1	0.5	0.2	48	0.42	0.016
113215	Soil			0.5	35.6	14.8	67	<0.1	48.9	17.3	229	3.68	1.5	2.2	<0.5	12.8	141	<0.1	<0.1	0.2	61	1.43	0.077

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Page: 4 of 12 Part 2

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
109299	Soil	15	21	0.37	92	0.040	<1	1.31	0.006	0.07	0.2	0.02	2.1	0.1	<0.05	4	0.6	<0.2
109300	Soil	22	20	0.35	102	0.034	<1	1.52	0.006	0.13	0.2	0.02	1.9	0.2	<0.05	5	0.8	<0.2
109301	Soil	18	25	0.35	127	0.027	<1	1.64	0.005	0.06	0.2	0.04	2.2	0.1	<0.05	5	0.8	<0.2
109302	Soil	18	18	0.31	97	0.065	<1	1.70	0.007	0.21	0.1	0.02	1.8	0.4	<0.05	7	<0.5	<0.2
109303	Soil	29	31	0.50	223	0.042	<1	2.16	0.009	0.11	0.2	0.08	5.8	0.2	<0.05	7	0.9	<0.2
109304	Soil	18	15	0.20	60	0.036	<1	1.60	0.007	0.13	0.2	0.02	1.2	0.2	<0.05	6	<0.5	<0.2
109305	Soil	14	28	0.41	128	0.044	<1	1.97	0.007	0.06	0.2	0.04	3.0	0.1	<0.05	5	<0.5	<0.2
109306	Soil	14	27	0.37	100	0.035	<1	2.00	0.005	0.08	0.1	0.05	1.9	0.2	<0.05	5	0.8	<0.2
109307	Soil	14	23	0.32	101	0.044	<1	1.94	0.006	0.11	0.2	0.04	1.7	0.2	<0.05	6	<0.5	<0.2
109308	Soil	20	19	0.33	102	0.075	<1	1.71	0.005	0.25	0.1	0.03	1.6	0.4	<0.05	6	0.8	<0.2
109309	Soil	33	12	0.26	105	0.120	<1	2.46	0.007	0.46	0.1	0.02	1.6	0.7	<0.05	9	<0.5	<0.2
109310	Soil	34	17	0.35	101	0.114	<1	2.27	0.007	0.48	0.2	0.03	1.6	0.7	<0.05	10	<0.5	<0.2
109311	Soil	11	5	5.65	164	0.051	<1	6.40	0.020	1.46	0.1	0.01	2.6	1.4	<0.05	26	<0.5	<0.2
109312	Soil	20	19	0.29	146	0.071	<1	2.11	0.006	0.25	0.2	0.02	1.8	0.4	<0.05	9	<0.5	<0.2
109313	Soil	17	24	0.40	121	0.049	<1	1.80	0.007	0.11	0.1	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
109314	Soil	16	22	0.36	130	0.074	<1	2.19	0.005	0.26	0.2	0.03	1.8	0.5	<0.05	8	<0.5	<0.2
109315	Soil	19	21	0.35	151	0.056	<1	2.06	0.006	0.22	0.2	0.03	1.7	0.4	<0.05	7	<0.5	<0.2
109316	Soil	39	25	0.40	128	0.072	<1	1.64	0.007	0.13	0.2	0.04	4.5	0.3	<0.05	5	<0.5	<0.2
109317	Soil	24	15	0.30	158	0.123	<1	2.37	0.007	0.38	0.2	0.02	2.0	0.7	<0.05	9	<0.5	<0.2
109318	Soil	18	24	0.38	201	0.051	<1	1.27	0.007	0.06	0.2	0.04	3.4	0.1	<0.05	4	<0.5	<0.2
109319	Soil	18	17	0.31	94	0.078	<1	1.39	0.007	0.21	0.2	0.02	1.7	0.4	<0.05	7	<0.5	<0.2
109320	Soil	48	10	0.25	104	0.092	<1	1.75	0.006	0.34	0.1	0.01	1.2	0.5	<0.05	7	<0.5	<0.2
113208	Soil	52	60	1.53	276	0.145	<1	4.55	0.074	0.09	0.1	0.02	9.6	0.2	<0.05	14	<0.5	<0.2
113209	Soil	47	68	3.24	422	0.258	<1	5.30	0.030	0.22	0.1	<0.01	6.8	0.3	<0.05	20	<0.5	<0.2
113210	Soil	20	61	1.52	306	0.168	<1	3.20	0.027	0.38	0.2	0.02	6.6	0.2	<0.05	11	<0.5	<0.2
113211	Soil	24	67	5.18	178	0.275	<1	5.70	0.022	0.65	0.1	<0.01	4.2	0.5	<0.05	19	<0.5	<0.2
113212	Soil	28	58	0.97	139	0.140	<1	4.51	0.085	0.32	0.1	0.02	6.8	0.2	<0.05	13	<0.5	<0.2
113213	Soil	38	105	1.47	153	0.302	3	7.76	0.442	0.55	0.3	0.02	12.4	0.6	<0.05	23	<0.5	<0.2
113214	Soil	18	36	0.57	228	0.058	<1	2.25	0.008	0.04	0.2	0.04	4.8	0.1	<0.05	6	<0.5	<0.2
113215	Soil	29	73	1.13	214	0.172	<1	4.93	0.013	0.64	<0.1	0.01	5.9	0.3	<0.05	14	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 5 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
113216	Soil	0.7	16.2	6.9	52	<0.1	24.0	9.6	188	2.54	6.9	0.7	1.2	5.3	7	<0.1	0.4	0.2	41	0.11	0.033
113217	Soil	0.6	25.1	10.7	70	<0.1	38.3	14.1	252	3.66	4.9	2.3	1.3	10.1	23	<0.1	0.3	0.3	52	0.34	0.058
113218	Soil	0.8	20.7	8.4	54	<0.1	24.4	9.7	254	2.76	7.3	1.0	1.4	5.6	19	<0.1	0.5	0.2	45	0.22	0.040
113219	Soil	0.8	43.5	9.9	75	<0.1	54.1	25.0	445	4.73	5.1	0.8	1.0	6.2	9	<0.1	0.2	0.1	124	0.16	0.052
113220	Soil	1.1	73.0	9.0	57	<0.1	52.9	19.6	261	4.57	0.7	2.0	<0.5	9.0	11	0.1	<0.1	0.2	118	0.21	0.055
113221	Soil	0.7	20.7	5.6	57	<0.1	34.0	17.2	406	3.38	4.8	0.7	3.6	6.6	6	0.1	0.2	<0.1	78	0.12	0.035
113222	Soil	0.7	28.6	2.9	51	<0.1	18.1	20.9	263	3.23	1.7	0.5	1.4	2.8	10	<0.1	0.2	<0.1	83	0.39	0.124
113223	Soil	0.1	24.6	11.5	69	<0.1	33.9	15.4	600	4.06	1.1	1.8	1.7	12.1	921	<0.1	<0.1	0.2	57	8.22	0.056
113224	Soil	2.7	171.6	6.5	61	0.7	26.4	5.3	346	8.78	1.1	5.8	1.1	7.4	267	<0.1	0.1	1.0	192	0.67	0.342
113225	Soil	0.1	24.8	8.0	105	<0.1	46.2	20.2	565	4.95	1.7	1.6	0.8	10.9	491	<0.1	<0.1	0.2	73	1.61	0.044
113226	Soil	0.5	32.0	11.3	81	<0.1	39.7	14.1	482	3.42	6.3	1.1	1.2	11.4	55	0.1	0.1	0.1	65	0.59	0.054
113227	Soil	0.3	38.8	11.1	101	<0.1	42.9	17.5	292	4.43	1.5	1.8	<0.5	15.6	74	<0.1	<0.1	0.2	67	0.71	0.049
113228	Soil	0.5	20.2	8.2	60	<0.1	29.8	12.8	1360	2.53	4.7	1.7	2.7	5.0	71	0.3	0.2	0.2	40	0.94	0.081
112382	Soil	0.6	13.0	10.8	54	<0.1	18.3	6.9	120	1.93	4.6	2.2	1.4	1.7	26	0.2	0.2	0.2	36	0.22	0.049
112383	Soil	0.7	14.0	8.0	52	<0.1	20.0	7.7	145	2.10	4.1	2.0	1.0	2.0	21	<0.1	0.1	0.3	43	0.20	0.050
112384	Soil	0.6	14.6	9.2	52	<0.1	19.4	8.2	142	2.04	4.0	2.2	2.5	2.0	26	0.1	0.1	0.2	38	0.28	0.046
112385	Soil	0.4	15.1	7.5	53	<0.1	22.5	8.3	126	2.00	2.6	2.2	3.0	2.6	23	0.1	0.1	0.2	36	0.21	0.046
112386	Soil	0.5	15.5	8.1	62	<0.1	24.6	9.5	136	2.16	3.2	1.8	1.6	3.1	24	0.1	0.1	0.2	38	0.21	0.045
112387	Soil	0.6	16.8	9.2	62	<0.1	24.2	10.8	189	2.46	3.6	1.6	1.3	3.5	19	0.2	0.2	0.3	49	0.18	0.048
112388	Soil	0.6	14.2	7.8	51	<0.1	21.1	8.8	147	2.02	2.7	1.4	1.6	3.2	21	<0.1	0.2	0.3	39	0.23	0.055
112389	Soil	0.5	15.1	7.5	53	<0.1	21.6	9.0	140	2.37	3.9	1.5	3.0	3.1	17	<0.1	0.1	0.3	44	0.18	0.048
112390	Soil	0.6	14.7	7.5	57	<0.1	21.8	8.9	136	2.27	3.4	1.4	1.5	2.9	16	<0.1	0.1	0.2	44	0.15	0.044
112392	Soil	0.6	14.0	7.5	56	<0.1	22.2	9.5	169	2.29	3.4	1.4	2.8	3.2	17	<0.1	0.1	0.2	44	0.17	0.044
112393	Soil	0.5	10.3	5.8	42	<0.1	18.9	8.4	187	1.90	2.6	0.9	3.7	4.7	33	<0.1	<0.1	0.1	34	0.42	0.058
112395	Soil	0.8	4.9	3.2	13	<0.1	2.5	0.8	30	0.46	0.9	0.4	1.2	<0.1	3	<0.1	0.1	0.1	19	0.02	0.026
112396	Soil	1.1	15.7	11.8	55	<0.1	14.1	6.4	251	2.82	9.4	5.6	0.8	10.8	9	<0.1	0.4	0.9	47	0.12	0.055
112397	Soil	1.1	11.1	9.9	44	<0.1	9.8	4.8	148	1.96	7.0	4.2	2.9	8.1	7	<0.1	0.4	2.4	26	0.17	0.084
112398	Soil	1.1	13.2	11.6	46	<0.1	13.6	5.1	144	2.25	6.6	1.8	2.7	3.4	10	<0.1	0.3	0.4	42	0.14	0.059
112399	Soil	0.8	13.1	10.3	49	<0.1	11.2	5.1	205	2.07	3.9	1.8	3.2	11.7	7	<0.1	0.3	0.4	29	0.18	0.079
112400	Soil	0.7	14.1	9.1	47	<0.1	11.2	5.0	163	1.92	4.6	1.6	4.1	16.4	9	<0.1	0.3	0.3	29	0.22	0.085

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Project: Burnham
 Report Date: August 04, 2011

Page: 5 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
113216	Soil	11	31	0.66	123	0.097	<1	1.97	0.010	0.25	0.1	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
113217	Soil	23	52	1.00	168	0.136	<1	2.64	0.008	0.24	<0.1	0.02	4.1	0.2	<0.05	9	0.5	<0.2
113218	Soil	16	31	0.64	139	0.083	<1	1.87	0.007	0.19	0.1	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
113219	Soil	12	92	1.42	220	0.192	<1	3.25	0.008	0.16	0.1	0.02	5.7	0.1	<0.05	13	<0.5	<0.2
113220	Soil	13	105	2.20	316	0.242	<1	3.49	0.011	0.51	<0.1	0.01	10.8	0.2	<0.05	13	0.6	<0.2
113221	Soil	8	62	1.09	173	0.220	<1	2.23	0.007	0.48	0.2	0.01	3.8	0.2	<0.05	8	<0.5	<0.2
113222	Soil	8	20	0.94	204	0.216	<1	1.91	0.014	0.49	0.1	<0.01	2.2	0.2	<0.05	7	<0.5	<0.2
113223	Soil	49	74	1.08	76	0.183	<1	3.47	0.166	0.65	0.3	<0.01	9.0	0.5	<0.05	12	<0.5	<0.2
113224	Soil	45	86	1.11	233	0.082	<1	1.97	0.025	0.45	0.2	0.01	4.0	0.4	0.60	11	4.3	0.2
113225	Soil	32	98	1.48	158	0.263	<1	6.04	0.211	1.08	0.2	<0.01	10.7	0.6	<0.05	19	<0.5	<0.2
113226	Soil	26	61	0.89	189	0.155	<1	2.47	0.015	0.30	0.2	<0.01	5.5	0.2	<0.05	9	<0.5	<0.2
113227	Soil	29	71	1.02	181	0.232	<1	3.15	0.020	0.83	<0.1	0.01	6.5	0.6	<0.05	11	<0.5	<0.2
113228	Soil	16	38	0.57	174	0.057	2	1.47	0.019	0.08	0.4	0.03	3.0	<0.1	0.06	5	<0.5	<0.2
112382	Soil	12	27	0.39	140	0.043	1	1.41	0.014	0.06	0.2	0.04	1.9	0.1	<0.05	5	<0.5	<0.2
112383	Soil	12	29	0.40	137	0.053	<1	1.46	0.011	0.09	0.2	0.04	2.1	0.1	<0.05	5	<0.5	<0.2
112384	Soil	13	29	0.40	151	0.051	<1	1.53	0.012	0.08	0.2	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
112385	Soil	14	30	0.46	177	0.054	<1	1.67	0.012	0.09	0.2	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
112386	Soil	14	35	0.50	181	0.070	<1	1.90	0.014	0.13	0.2	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
112387	Soil	13	38	0.55	170	0.086	<1	2.07	0.014	0.15	0.2	0.03	3.0	0.2	<0.05	7	<0.5	<0.2
112388	Soil	13	31	0.45	147	0.069	<1	1.61	0.013	0.11	0.3	<0.01	2.5	0.1	<0.05	5	<0.5	<0.2
112389	Soil	12	34	0.48	135	0.072	<1	1.72	0.011	0.10	0.3	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
112390	Soil	12	33	0.49	138	0.072	<1	1.79	0.012	0.10	0.3	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
112392	Soil	12	33	0.50	134	0.071	<1	1.81	0.012	0.09	0.3	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
112393	Soil	16	31	0.48	119	0.072	<1	1.31	0.015	0.12	0.5	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
112395	Soil	7	6	0.03	32	0.006	<1	0.54	0.003	0.05	<0.1	<0.01	<0.1	<0.1	<0.05	5	<0.5	<0.2
112396	Soil	41	22	0.30	165	0.030	1	1.88	0.005	0.12	0.5	0.03	2.5	0.3	<0.05	7	<0.5	<0.2
112397	Soil	29	15	0.22	69	0.016	<1	1.13	0.004	0.06	0.9	0.03	1.1	0.1	<0.05	4	<0.5	<0.2
112398	Soil	23	21	0.30	127	0.018	<1	1.47	0.006	0.07	0.4	0.03	1.4	0.1	<0.05	5	<0.5	<0.2
112399	Soil	25	16	0.26	95	0.025	<1	1.16	0.004	0.07	0.3	0.01	1.3	0.1	<0.05	5	<0.5	<0.2
112400	Soil	35	16	0.26	88	0.043	<1	1.13	0.005	0.09	0.4	0.02	1.4	0.1	<0.05	4	<0.5	<0.2

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 Report Date: August 04, 2011

Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
112401	Soil	1.1	20.7	10.9	60	<0.1	18.3	6.2	202	2.20	6.3	2.3	3.0	11.2	13	<0.1	0.5	0.3	37	0.23	0.062
112402	Soil	0.8	19.4	9.8	59	0.1	16.1	7.2	196	2.18	6.4	1.7	3.7	9.4	13	0.1	0.4	0.3	38	0.20	0.054
112403	Soil	1.1	10.8	11.5	56	0.1	12.3	9.4	491	2.37	7.5	1.3	0.9	2.9	10	0.2	0.3	0.3	46	0.15	0.069
112404	Soil	1.5	9.4	11.6	53	<0.1	11.5	9.9	558	2.49	8.4	1.0	1.3	4.8	10	<0.1	0.3	0.3	56	0.17	0.065
112405	Soil	0.8	14.0	9.5	50	0.2	13.0	6.1	167	1.91	3.9	1.6	2.7	2.1	12	0.1	0.2	0.3	31	0.15	0.060
112406	Soil	1.0	12.0	9.3	92	0.1	11.8	5.5	1369	1.66	4.4	1.1	0.7	1.8	15	0.2	0.2	0.3	33	0.30	0.068
112407	Soil	1.3	12.2	9.0	77	<0.1	17.7	7.6	219	2.74	9.5	0.9	2.4	8.4	7	0.1	0.4	0.2	48	0.09	0.032
112408	Soil	1.1	7.4	6.6	29	<0.1	4.9	1.3	65	1.23	2.1	1.1	0.8	0.1	4	<0.1	0.2	0.3	29	0.03	0.032
112409	Soil	1.0	11.6	10.4	54	<0.1	15.7	7.9	210	2.36	10.3	0.7	4.2	5.3	8	0.2	0.6	0.2	43	0.07	0.029
112410	Soil	1.3	18.7	11.1	56	<0.1	20.2	7.8	292	2.82	10.8	0.6	2.7	3.9	12	0.1	0.8	0.3	55	0.10	0.051
112411	Soil	1.2	10.1	11.2	44	<0.1	13.8	6.4	229	2.71	11.6	0.4	0.8	3.9	8	<0.1	0.7	0.3	56	0.07	0.037
112412	Soil	0.8	9.3	10.9	50	<0.1	6.4	3.4	107	2.08	5.6	2.5	0.7	12.7	5	<0.1	0.3	0.4	16	0.07	0.035
112413	Soil	0.8	12.2	9.4	47	<0.1	18.5	8.6	204	2.42	11.0	0.6	1.1	8.4	11	0.1	0.6	0.2	36	0.14	0.034
112414	Soil	0.8	14.5	10.7	49	<0.1	16.9	6.9	218	2.64	9.0	1.1	2.4	14.8	9	<0.1	0.5	0.2	36	0.09	0.024
112415	Soil	0.8	12.3	10.2	64	<0.1	15.2	8.3	284	2.68	10.3	0.7	1.3	11.0	12	<0.1	0.5	0.3	46	0.10	0.030
112416	Soil	0.7	10.7	13.4	56	<0.1	10.5	5.4	265	2.68	6.4	0.5	1.3	11.4	8	<0.1	0.3	0.3	33	0.10	0.029
112417	Soil	1.2	10.4	13.3	98	<0.1	12.1	6.6	500	2.92	7.5	0.4	0.8	9.3	18	0.2	0.4	0.3	48	0.23	0.041
112418	Soil	1.2	7.4	11.8	39	<0.1	8.0	4.8	272	2.42	10.0	0.5	1.4	2.7	8	0.1	0.5	0.5	61	0.06	0.052
112419	Soil	1.5	5.9	10.7	51	<0.1	7.1	3.9	197	2.91	7.3	3.6	0.8	11.0	7	<0.1	0.4	0.5	19	0.10	0.052
112420	Soil	1.1	4.1	12.0	63	<0.1	6.5	3.2	211	2.43	8.7	11.9	0.9	13.8	5	<0.1	0.4	0.2	14	0.14	0.081
115476	Soil	3.4	20.5	94.2	95	0.1	14.5	3.9	359	1.86	5.9	0.9	0.6	1.8	17	0.5	0.4	0.7	51	0.07	0.066
114577	Soil	0.6	29.8	9.1	48	<0.1	23.3	8.4	202	2.12	10.7	0.7	4.6	4.8	10	<0.1	0.7	0.2	38	0.09	0.024
113678	Soil	0.6	18.6	8.7	47	<0.1	16.9	7.6	247	2.25	9.6	0.9	3.0	4.0	17	<0.1	0.5	0.2	39	0.19	0.060
115479	Soil	1.0	13.7	9.7	51	<0.1	18.4	8.0	232	2.77	9.9	0.5	1.8	7.2	10	<0.1	0.6	0.2	59	0.09	0.024
115480	Soil	0.4	20.0	8.4	55	<0.1	68.0	20.2	343	3.09	3.0	0.4	<0.5	2.0	8	0.1	0.2	<0.1	62	0.28	0.085
115481	Soil	0.6	7.1	11.5	30	<0.1	15.6	6.3	124	1.88	4.5	0.5	1.0	2.5	13	<0.1	0.3	0.2	45	0.11	0.021
115482	Soil	0.7	9.9	9.7	40	<0.1	12.6	5.6	127	2.14	7.3	0.7	2.0	4.5	17	<0.1	0.4	0.2	46	0.17	0.015
115483	Soil	1.0	17.6	7.4	37	<0.1	23.9	11.1	166	3.01	6.8	0.4	1.1	3.1	15	<0.1	0.4	0.2	61	0.14	0.022
115484	Soil	0.8	22.1	11.7	61	<0.1	27.4	11.8	311	3.07	9.6	1.4	2.2	6.9	143	<0.1	0.6	0.3	56	0.49	0.024
115485	Soil	0.5	13.7	10.7	49	<0.1	21.0	8.5	256	2.42	7.5	0.9	2.3	4.7	80	<0.1	0.3	0.2	45	0.38	0.028

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Project: Burnham
 Report Date: August 04, 2011

Page: 6 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
112401	Soil	29	24	0.35	203	0.043	<1	1.31	0.008	0.07	0.2	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
112402	Soil	25	22	0.37	198	0.038	<1	1.32	0.008	0.06	0.2	0.04	2.3	0.1	<0.05	5	0.5	<0.2
112403	Soil	15	20	0.31	149	0.026	<1	1.28	0.007	0.07	0.6	0.03	1.4	0.1	<0.05	5	<0.5	<0.2
112404	Soil	15	20	0.33	117	0.042	<1	1.26	0.006	0.09	0.4	0.03	1.5	0.2	<0.05	5	<0.5	<0.2
112405	Soil	21	21	0.30	183	0.016	<1	1.36	0.008	0.06	0.2	0.05	1.5	0.2	<0.05	5	0.6	<0.2
112406	Soil	17	18	0.27	182	0.023	<1	1.13	0.007	0.08	0.4	0.04	1.1	0.1	<0.05	5	<0.5	<0.2
112407	Soil	11	24	0.38	178	0.057	2	2.03	0.006	0.12	0.2	0.02	1.9	0.3	<0.05	6	<0.5	<0.2
112408	Soil	9	9	0.05	52	0.008	<1	0.67	0.004	0.07	<0.1	0.03	<0.1	0.2	<0.05	5	<0.5	<0.2
112409	Soil	11	24	0.39	146	0.030	2	1.60	0.006	0.05	0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
112410	Soil	13	28	0.43	159	0.046	1	1.67	0.007	0.06	0.2	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
112411	Soil	10	26	0.36	114	0.046	1	1.84	0.006	0.06	0.2	0.03	2.0	0.1	<0.05	6	<0.5	<0.2
112412	Soil	11	9	0.16	94	0.006	1	1.26	0.003	0.07	0.2	0.01	1.0	0.2	<0.05	4	<0.5	<0.2
112413	Soil	10	21	0.44	147	0.042	<1	1.67	0.005	0.07	0.2	0.02	2.1	0.2	<0.05	4	0.5	<0.2
112414	Soil	13	21	0.41	171	0.052	<1	1.90	0.006	0.15	0.2	0.01	2.5	0.3	<0.05	5	<0.5	<0.2
112415	Soil	21	25	0.43	193	0.056	<1	1.90	0.005	0.10	0.1	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
112416	Soil	19	16	0.46	119	0.036	<1	2.24	0.004	0.26	0.2	0.02	2.5	0.4	<0.05	7	<0.5	<0.2
112417	Soil	11	22	0.36	199	0.050	1	2.30	0.006	0.15	0.2	0.02	2.3	0.3	<0.05	8	<0.5	<0.2
112418	Soil	11	19	0.20	93	0.053	1	1.36	0.005	0.04	0.2	0.02	1.3	<0.1	<0.05	6	<0.5	<0.2
112419	Soil	14	10	0.18	145	0.005	<1	1.66	0.005	0.08	0.2	<0.01	1.3	0.2	<0.05	5	<0.5	<0.2
112420	Soil	33	11	0.21	57	0.003	<1	1.89	0.003	0.07	0.2	0.01	1.0	0.2	<0.05	6	<0.5	<0.2
115476	Soil	13	23	0.16	163	0.030	<1	0.95	0.005	0.05	<0.1	0.01	1.6	<0.1	<0.05	4	0.8	<0.2
114577	Soil	13	23	0.43	282	0.051	1	1.34	0.006	0.04	0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
113678	Soil	16	22	0.44	281	0.051	<1	1.24	0.007	0.05	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
115479	Soil	11	34	0.48	156	0.080	1	1.94	0.006	0.05	0.2	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
115480	Soil	4	123	1.29	146	0.254	<1	2.87	0.010	0.05	0.2	0.02	1.7	<0.1	<0.05	8	<0.5	<0.2
115481	Soil	11	23	0.40	107	0.081	1	1.30	0.006	0.15	<0.1	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
115482	Soil	13	26	0.42	131	0.058	1	1.43	0.008	0.06	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
115483	Soil	11	32	0.64	125	0.120	1	1.74	0.008	0.33	0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
115484	Soil	19	42	0.58	326	0.083	1	3.01	0.065	0.12	0.1	0.01	4.8	0.2	<0.05	8	<0.5	<0.2
115485	Soil	15	31	0.46	212	0.061	1	2.19	0.033	0.05	0.2	0.02	2.9	0.1	<0.05	6	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 7 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method Analyte	1DX15																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
115486	Soil	1.2	10.8	11.0	70	<0.1	16.5	9.1	215	3.59	10.5	0.6	<0.5	3.8	8	0.2	0.6	0.3	60	0.06	0.054
115487	Soil	0.9	28.9	9.7	62	<0.1	26.9	12.5	268	3.29	10.6	0.6	<0.5	3.7	11	<0.1	0.6	0.2	68	0.09	0.061
115488	Soil	0.8	31.9	8.4	82	<0.1	39.4	16.2	337	4.31	6.9	1.0	0.7	5.9	18	<0.1	0.3	0.2	77	0.15	0.064
115489	Soil	0.6	13.7	7.6	120	<0.1	21.1	9.3	175	2.98	5.4	0.7	<0.5	4.2	9	0.1	0.3	0.2	47	0.06	0.029
115490	Soil	0.6	22.6	7.3	77	<0.1	37.0	11.8	351	3.28	1.8	1.1	<0.5	7.0	16	<0.1	0.1	0.3	50	0.11	0.046
115491	Soil	0.6	7.5	9.3	57	<0.1	25.6	10.2	512	3.26	4.4	1.0	0.6	7.1	15	<0.1	0.2	0.2	50	0.18	0.081
115492	Soil	0.7	30.3	7.1	52	<0.1	36.0	14.3	376	4.50	2.8	2.2	<0.5	7.5	14	<0.1	0.2	0.3	58	0.24	0.078
115493	Soil	1.0	15.7	10.8	50	<0.1	19.8	10.0	238	2.59	10.3	0.5	<0.5	3.8	13	<0.1	0.6	0.2	48	0.11	0.028
115494	Soil	0.7	65.5	6.5	63	<0.1	46.7	23.0	337	4.62	4.5	1.0	1.6	6.8	13	<0.1	0.2	0.5	67	0.08	0.043
115495	Soil	0.6	17.6	7.7	39	<0.1	18.8	8.1	176	2.32	7.0	0.8	3.0	4.6	11	<0.1	0.4	0.2	40	0.08	0.014
115496	Soil	0.7	49.8	15.2	64	<0.1	33.1	13.8	227	3.75	1.0	1.8	<0.5	8.4	54	<0.1	0.1	0.5	46	0.25	0.029
115497	Soil	0.5	33.5	7.4	54	<0.1	37.0	13.5	213	4.04	1.9	1.3	<0.5	7.5	9	<0.1	0.1	0.4	55	0.15	0.048
115498	Soil	0.7	47.5	9.0	50	<0.1	63.0	24.5	213	5.54	1.6	0.8	<0.5	2.6	23	<0.1	<0.1	0.2	103	0.12	0.050
115499	Soil	0.9	27.8	8.2	50	<0.1	37.9	15.1	202	3.77	7.7	0.8	0.6	5.1	14	<0.1	0.6	0.2	56	0.09	0.016
115500	Soil	0.7	24.6	8.5	44	<0.1	43.4	16.4	178	5.18	3.1	0.9	0.7	5.1	18	<0.1	0.2	0.3	77	0.13	0.034
115501	Soil	0.6	19.9	9.6	51	<0.1	29.1	10.4	239	3.17	4.6	1.1	7.6	6.6	29	<0.1	0.2	0.2	48	0.31	0.053
115502	Soil	0.7	17.5	9.2	48	<0.1	25.0	9.1	229	2.70	4.5	0.9	4.1	4.9	25	<0.1	0.3	0.2	43	0.27	0.048
115503	Soil	0.8	28.5	9.2	57	<0.1	38.6	13.5	218	3.92	3.5	1.1	<0.5	7.0	24	<0.1	0.4	0.3	55	0.28	0.054
115504	Soil	0.9	25.2	10.8	53	<0.1	26.0	10.2	337	3.03	10.8	1.2	4.1	6.2	19	<0.1	0.6	0.2	51	0.20	0.019
115505	Soil	0.9	53.6	11.5	72	<0.1	64.1	17.3	272	4.39	7.4	1.6	2.0	9.2	26	<0.1	0.6	0.2	70	0.27	0.016
115506	Soil	0.9	19.1	10.5	53	<0.1	24.3	9.9	210	2.97	8.0	0.8	3.4	5.4	14	<0.1	0.5	0.2	54	0.12	0.015
115507	Soil	1.2	42.8	11.1	103	<0.1	73.7	26.4	320	5.86	4.3	1.5	1.1	8.2	20	<0.1	0.1	0.5	134	0.25	0.123
115508	Soil	0.9	17.9	10.6	63	<0.1	21.4	8.7	344	2.75	11.4	0.8	2.4	3.4	17	0.1	0.7	0.2	42	0.22	0.077
115509	Soil	1.2	11.0	13.8	50	<0.1	15.2	6.5	269	3.31	14.1	0.5	1.3	4.1	8	<0.1	0.7	0.3	69	0.08	0.032
115510	Soil	1.3	11.5	13.2	57	<0.1	16.3	7.8	264	3.35	12.5	0.6	2.3	4.8	11	0.2	0.7	0.2	59	0.10	0.034
115511	Soil	0.9	13.3	12.0	63	<0.1	18.3	6.7	242	2.88	9.2	0.9	1.6	5.6	12	<0.1	0.6	0.2	39	0.18	0.065
115512	Soil	0.9	14.5	15.3	59	<0.1	21.3	10.2	410	3.15	11.5	0.8	0.7	10.2	9	0.1	0.6	0.3	40	0.09	0.038
115513	Soil	0.8	25.2	9.2	62	<0.1	21.3	8.1	273	2.59	9.9	1.3	2.2	4.0	16	0.1	0.6	0.2	43	0.20	0.079
115514	Soil	0.8	16.3	12.3	60	<0.1	17.8	6.9	188	2.80	8.7	0.8	1.9	4.8	12	<0.1	0.5	0.2	45	0.15	0.048
115515	Soil	1.1	8.6	11.6	49	<0.1	11.8	5.5	290	2.97	5.6	1.1	<0.5	9.5	7	<0.1	0.3	0.2	33	0.15	0.080

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Page: 7 of 12 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
115486	Soil	10	32	0.47	116	0.094	<1	2.11	0.005	0.11	0.2	0.02	2.2	0.1	<0.05	7	<0.5	<0.2
115487	Soil	11	53	0.53	160	0.060	1	1.94	0.006	0.07	0.1	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
115488	Soil	17	74	1.17	214	0.252	1	3.02	0.014	0.81	0.2	0.01	5.8	0.3	<0.05	11	0.5	<0.2
115489	Soil	11	34	0.65	115	0.104	<1	2.04	0.007	0.21	<0.1	0.01	2.6	0.2	<0.05	6	0.5	<0.2
115490	Soil	13	44	1.30	174	0.206	<1	2.45	0.015	0.68	<0.1	<0.01	3.4	0.3	<0.05	10	<0.5	<0.2
115491	Soil	15	38	1.21	176	0.138	1	2.09	0.005	0.17	0.1	0.02	2.9	<0.1	<0.05	8	<0.5	<0.2
115492	Soil	17	48	1.11	210	0.263	<1	2.66	0.009	0.86	0.1	<0.01	4.7	0.4	<0.05	11	<0.5	<0.2
115493	Soil	9	30	0.48	186	0.061	<1	1.63	0.006	0.08	0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
115494	Soil	11	66	1.27	195	0.259	<1	3.12	0.013	1.06	0.2	0.01	5.8	0.5	<0.05	12	<0.5	<0.2
115495	Soil	14	27	0.47	134	0.070	<1	1.36	0.006	0.10	<0.1	0.02	2.2	<0.1	<0.05	4	0.5	<0.2
115496	Soil	32	66	1.04	191	0.137	<1	2.29	0.018	0.36	<0.1	<0.01	4.9	0.2	0.10	9	0.5	<0.2
115497	Soil	16	57	0.89	166	0.174	<1	2.31	0.008	0.50	0.2	<0.01	3.6	0.3	<0.05	10	<0.5	<0.2
115498	Soil	9	82	1.41	286	0.288	<1	3.48	0.020	1.38	0.2	<0.01	8.0	0.4	<0.05	14	<0.5	<0.2
115499	Soil	12	48	0.82	181	0.127	2	2.38	0.010	0.38	0.2	0.01	4.7	0.2	0.09	8	<0.5	<0.2
115500	Soil	12	72	1.19	249	0.229	<1	3.06	0.014	1.09	0.1	<0.01	7.4	0.4	0.07	14	<0.5	<0.2
115501	Soil	20	45	0.70	198	0.104	<1	2.11	0.011	0.23	0.2	0.02	4.3	0.2	<0.05	8	<0.5	<0.2
115502	Soil	16	39	0.66	183	0.096	<1	1.89	0.015	0.22	0.2	0.02	3.9	0.2	0.06	7	<0.5	<0.2
115503	Soil	19	61	0.89	281	0.149	2	2.47	0.012	0.55	<0.1	0.01	5.7	0.4	0.05	9	<0.5	<0.2
115504	Soil	18	37	0.52	356	0.073	<1	1.88	0.009	0.08	0.1	0.03	6.0	0.1	<0.05	6	<0.5	<0.2
115505	Soil	29	85	1.06	348	0.146	<1	2.70	0.013	0.20	0.2	0.03	8.4	0.2	<0.05	10	<0.5	<0.2
115506	Soil	14	42	0.59	192	0.081	1	1.87	0.012	0.08	0.1	0.03	4.5	0.1	<0.05	6	<0.5	<0.2
115507	Soil	19	67	1.42	312	0.270	<1	3.65	0.013	1.13	0.2	0.02	6.8	0.5	0.06	14	<0.5	<0.2
115508	Soil	14	23	0.44	130	0.043	1	1.38	0.008	0.06	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
115509	Soil	11	25	0.32	95	0.043	1	1.64	0.005	0.05	0.4	0.04	2.6	0.1	<0.05	7	<0.5	<0.2
115510	Soil	13	27	0.37	163	0.047	<1	1.82	0.010	0.05	0.2	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
115511	Soil	17	22	0.44	114	0.046	2	1.62	0.007	0.11	0.3	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
115512	Soil	16	26	0.44	136	0.043	1	2.12	0.006	0.10	0.2	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
115513	Soil	23	26	0.44	202	0.045	2	1.54	0.007	0.06	0.2	0.04	3.7	0.1	<0.05	5	<0.5	<0.2
115514	Soil	16	25	0.44	137	0.041	<1	1.71	0.006	0.07	0.2	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
115515	Soil	21	19	0.34	90	0.063	1	1.71	0.006	0.16	0.2	0.04	1.8	0.2	<0.05	7	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 8 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
115516	Soil	1.1	12.2	13.6	46	<0.1	14.6	7.0	270	2.86	11.0	1.1	<0.5	6.4	10	<0.1	0.6	0.2	53	0.09	0.042
115517	Soil	0.9	8.1	11.7	28	<0.1	7.7	3.2	146	2.22	7.2	0.7	1.5	2.7	10	<0.1	0.3	0.5	51	0.12	0.059
115518	Soil	1.2	10.8	18.6	53	<0.1	13.6	5.2	239	3.32	9.6	0.9	2.1	5.3	7	0.1	0.6	0.3	49	0.07	0.050
115519	Soil	1.3	9.1	12.8	50	<0.1	14.1	5.7	304	3.07	10.5	0.8	0.8	4.0	11	<0.1	0.4	0.4	50	0.14	0.049
115520	Soil	1.0	18.5	17.1	61	<0.1	18.6	8.8	379	3.16	7.7	2.0	<0.5	19.1	13	0.1	0.6	0.8	39	0.14	0.043
115521	Soil	1.0	12.5	11.7	70	<0.1	15.6	8.4	306	3.34	7.7	0.8	1.0	9.8	9	0.2	0.3	0.3	49	0.10	0.039
115522	Soil	1.9	10.7	14.9	41	<0.1	12.5	6.4	320	3.31	11.5	0.7	1.5	4.5	8	0.1	0.7	0.2	65	0.07	0.049
115523	Soil	0.8	13.7	14.2	67	<0.1	19.3	10.1	356	3.62	8.2	1.3	<0.5	8.5	7	<0.1	0.4	0.2	42	0.10	0.059
115524	Soil	1.0	14.3	13.2	53	<0.1	15.4	6.2	200	2.97	12.0	0.6	0.6	5.2	10	0.2	0.6	0.3	58	0.09	0.034
115525	Soil	1.5	8.8	13.4	35	<0.1	8.3	3.0	116	2.21	4.8	0.9	<0.5	1.8	6	0.1	0.2	0.4	33	0.06	0.053
115526	Soil	0.9	10.7	12.4	47	<0.1	15.4	7.8	224	2.67	12.4	0.8	1.9	4.9	13	0.2	0.6	0.2	44	0.12	0.055
115527	Soil	1.2	15.7	12.4	53	<0.1	15.2	6.4	210	2.64	9.6	1.8	2.4	3.2	12	<0.1	0.5	0.3	47	0.14	0.066
115528	Soil	1.1	12.1	19.0	82	<0.1	15.6	7.9	429	3.30	7.8	2.9	<0.5	17.6	11	0.2	0.3	0.3	31	0.23	0.104
115529	Soil	1.8	15.4	13.8	77	<0.1	26.0	9.9	483	2.94	11.8	0.8	3.1	2.3	12	0.2	0.7	0.2	47	0.13	0.063
115530	Soil	1.2	9.1	14.2	53	<0.1	12.6	5.2	242	3.36	12.7	0.5	<0.5	1.5	11	<0.1	0.6	0.2	61	0.11	0.097
115531	Soil	1.1	13.5	10.4	49	<0.1	14.2	6.1	248	2.69	11.0	0.9	4.7	1.4	11	0.2	0.5	0.2	52	0.12	0.058
115532	Soil	0.9	14.8	10.1	52	<0.1	15.1	6.2	209	2.48	7.3	1.2	<0.5	3.8	15	0.1	0.4	0.3	42	0.19	0.066
115533	Soil	1.0	7.8	10.9	40	<0.1	11.8	4.4	154	2.31	6.5	0.8	7.9	5.4	8	0.1	0.3	0.3	42	0.09	0.036
115534	Soil	3.4	12.0	36.5	31	0.1	21.3	3.6	174	1.47	3.5	1.0	2.0	0.7	10	0.1	0.3	0.8	32	0.11	0.035
115535	Soil	1.9	10.4	12.5	44	<0.1	13.5	6.0	259	2.66	8.5	0.9	2.3	5.9	8	<0.1	0.5	0.4	53	0.09	0.025
115536	Soil	1.3	10.0	20.2	21	<0.1	12.5	3.0	87	1.57	4.1	0.8	1.3	0.3	7	0.2	0.3	0.3	34	0.07	0.076
115537	Soil	0.8	4.5	10.7	21	<0.1	7.4	2.4	84	1.91	8.7	0.3	2.3	1.4	7	<0.1	0.4	0.2	56	0.06	0.022
117383	Soil	0.7	47.7	8.7	49	<0.1	79.7	23.2	379	3.93	2.8	1.3	<0.5	2.7	30	<0.1	0.1	0.3	92	0.53	0.120
117384	Soil	1.0	28.8	7.9	50	<0.1	34.5	15.3	210	2.96	9.0	2.4	0.6	3.5	9	0.1	0.6	0.1	60	0.13	0.026
117385	Soil	0.8	11.6	11.7	84	<0.1	32.5	17.5	616	4.36	5.5	0.8	<0.5	8.8	82	0.1	0.2	0.2	61	0.14	0.064
117386	Soil	0.8	31.7	7.0	50	<0.1	27.2	9.6	257	2.64	8.6	1.1	2.6	7.6	16	<0.1	0.5	0.1	44	0.21	0.051
117387	Soil	0.5	27.3	10.9	46	<0.1	36.7	12.2	242	3.55	1.1	2.9	0.6	16.2	36	<0.1	<0.1	0.1	37	0.73	0.053
117388	Soil	0.6	6.1	6.9	39	<0.1	34.0	13.4	162	3.72	1.1	1.9	0.6	9.1	11	<0.1	<0.1	<0.1	39	0.24	0.055
117389	Soil	0.6	7.9	14.6	52	<0.1	36.4	11.8	145	3.12	0.6	1.9	0.8	14.7	24	<0.1	<0.1	0.1	29	0.49	0.106
117390	Soil	0.8	36.9	9.1	62	<0.1	45.4	17.4	237	4.92	0.5	3.8	0.6	26.8	32	<0.1	<0.1	0.2	40	0.47	0.092

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Project: Burnham
 Report Date: August 04, 2011

Page: 8 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
115516	Soil	18	30	0.40	122	0.048	1	1.98	0.007	0.06	0.2	0.05	2.9	0.1	<0.05	6	<0.5	<0.2
115517	Soil	18	17	0.21	109	0.058	<1	1.26	0.005	0.14	0.2	0.02	1.3	0.2	<0.05	8	<0.5	<0.2
115518	Soil	15	23	0.30	83	0.038	1	1.75	0.006	0.07	0.2	0.04	1.6	0.2	0.06	8	<0.5	<0.2
115519	Soil	15	23	0.34	103	0.043	1	1.65	0.005	0.09	0.2	0.03	1.9	0.1	0.06	7	<0.5	<0.2
115520	Soil	47	24	0.44	161	0.044	1	1.85	0.006	0.13	0.1	0.01	3.2	0.2	0.07	7	<0.5	<0.2
115521	Soil	17	24	0.41	203	0.116	<1	2.24	0.007	0.27	0.2	0.02	2.7	0.4	0.08	9	<0.5	<0.2
115522	Soil	13	30	0.33	104	0.051	<1	2.12	0.006	0.04	0.2	0.04	2.7	0.2	0.06	7	<0.5	<0.2
115523	Soil	25	26	0.47	118	0.086	2	1.99	0.007	0.34	0.1	0.02	2.3	0.4	0.11	7	<0.5	<0.2
115524	Soil	13	25	0.36	119	0.053	1	1.74	0.006	0.05	0.3	0.04	3.0	0.1	0.10	7	<0.5	<0.2
115525	Soil	18	14	0.13	95	0.020	1	1.31	0.005	0.09	0.1	0.01	1.3	0.3	0.07	8	<0.5	<0.2
115526	Soil	14	27	0.42	180	0.042	2	1.87	0.007	0.05	0.2	0.04	3.2	0.1	0.08	5	<0.5	<0.2
115527	Soil	19	26	0.38	139	0.034	2	1.81	0.007	0.07	0.2	0.05	2.5	0.2	<0.05	6	0.6	<0.2
115528	Soil	56	20	0.38	112	0.075	2	1.65	0.007	0.33	0.2	0.03	2.6	0.4	0.06	6	<0.5	<0.2
115529	Soil	13	35	0.41	128	0.048	3	2.00	0.008	0.12	0.2	0.06	2.2	0.2	0.07	5	<0.5	<0.2
115530	Soil	14	23	0.31	115	0.043	1	1.18	0.005	0.06	0.1	0.05	1.5	<0.1	0.06	6	<0.5	<0.2
115531	Soil	16	22	0.36	127	0.041	2	1.37	0.006	0.06	0.2	0.04	1.7	0.1	0.05	6	<0.5	<0.2
115532	Soil	19	25	0.40	168	0.043	3	1.64	0.008	0.09	0.2	0.03	2.4	0.2	0.06	6	<0.5	<0.2
115533	Soil	15	23	0.32	91	0.075	1	1.57	0.005	0.12	0.2	0.04	1.9	0.2	<0.05	7	<0.5	<0.2
115534	Soil	16	39	0.15	94	0.017	<1	0.95	0.005	0.08	0.1	0.02	0.5	0.1	<0.05	6	<0.5	<0.2
115535	Soil	20	24	0.37	90	0.033	<1	1.38	0.005	0.04	0.2	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
115536	Soil	15	23	0.15	101	0.018	<1	1.11	0.004	0.05	<0.1	0.04	0.5	0.1	<0.05	6	<0.5	<0.2
115537	Soil	15	16	0.20	101	0.027	<1	0.98	0.003	0.02	0.2	0.02	1.1	<0.1	<0.05	7	<0.5	<0.2
117383	Soil	8	317	1.92	229	0.223	<1	3.83	0.010	0.10	0.2	0.01	4.9	0.1	<0.05	13	<0.5	<0.2
117384	Soil	8	46	0.67	129	0.080	<1	2.03	0.007	0.06	0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
117385	Soil	15	45	1.93	239	0.191	<1	3.24	0.020	0.93	0.1	<0.01	4.1	0.5	<0.05	12	<0.5	<0.2
117386	Soil	25	31	0.60	114	0.068	<1	1.50	0.008	0.12	0.2	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
117387	Soil	32	39	0.83	184	0.163	<1	2.99	0.006	0.18	<0.1	<0.01	3.2	0.1	<0.05	10	<0.5	<0.2
117388	Soil	22	44	2.04	192	0.170	<1	3.00	0.021	0.81	<0.1	<0.01	3.4	0.4	<0.05	10	<0.5	<0.2
117389	Soil	39	35	1.72	165	0.133	<1	2.84	0.016	0.67	<0.1	<0.01	2.7	0.4	<0.05	8	<0.5	<0.2
117390	Soil	65	51	1.44	113	0.194	<1	3.10	0.012	0.80	<0.1	0.01	5.1	0.4	<0.05	10	<0.5	<0.2

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Page: 9 of 12 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
117391	Soil	0.4	47.4	9.6	55	<0.1	38.3	14.8	261	4.94	0.6	3.3	<0.5	23.9	26	<0.1	<0.1	0.3	45	0.41	0.095
117392	Soil	0.5	16.2	7.7	29	<0.1	30.8	9.1	165	2.87	0.6	2.0	1.0	15.6	43	<0.1	<0.1	0.2	33	0.95	0.079
117393	Soil	0.7	77.6	13.3	47	<0.1	29.7	13.4	509	4.29	0.6	1.9	<0.5	14.5	21	<0.1	<0.1	0.3	46	0.24	0.133
117394	Soil	0.6	32.4	8.5	52	<0.1	69.1	13.7	287	2.91	9.0	0.8	2.1	5.3	20	<0.1	0.6	0.1	45	0.29	0.053
117395	Soil	0.6	38.3	14.3	68	<0.1	150.1	38.9	246	5.05	2.5	0.9	0.6	5.4	42	<0.1	0.1	0.2	63	0.60	0.078
117396	Soil	0.7	35.1	8.0	51	<0.1	44.2	16.6	246	3.38	7.2	0.7	1.8	4.2	17	<0.1	0.3	0.1	76	0.29	0.030
117397	Soil	0.2	331.7	10.9	23	0.1	498.1	36.3	227	2.03	<0.5	0.2	1.9	1.0	75	<0.1	<0.1	0.1	39	1.09	0.021
117398	Soil	0.5	31.3	14.3	70	<0.1	48.4	17.5	192	4.15	<0.5	2.0	0.6	14.5	19	<0.1	<0.1	0.3	28	0.21	0.025
117399	Soil	1.3	47.0	15.7	89	<0.1	55.8	12.2	225	4.54	0.7	3.6	1.9	15.1	54	<0.1	<0.1	0.7	37	0.59	0.021
117400	Soil	0.4	20.0	12.1	73	<0.1	36.1	14.5	445	4.28	2.8	1.9	0.7	15.9	358	<0.1	0.1	0.2	58	1.07	0.036
117401	Soil	0.7	27.7	23.5	79	<0.1	47.3	23.2	1402	5.46	2.1	2.1	0.8	17.1	153	<0.1	<0.1	0.3	78	1.19	0.081
117402	Soil	0.9	56.2	15.7	76	<0.1	70.3	22.7	309	4.80	0.9	2.0	1.7	10.6	84	<0.1	<0.1	0.3	66	0.77	0.078
117403	Soil	0.8	33.0	9.9	54	<0.1	33.4	12.1	299	3.56	6.6	1.5	1.2	7.4	19	<0.1	0.5	0.2	49	0.12	0.021
117404	Soil	0.7	22.5	8.5	57	<0.1	46.8	14.0	270	2.84	5.2	0.4	<0.5	3.2	11	<0.1	0.4	<0.1	49	0.22	0.058
117405	Soil	0.9	37.6	9.7	60	<0.1	43.9	20.6	297	5.19	0.9	2.9	<0.5	16.3	9	<0.1	<0.1	0.2	36	0.08	0.030
117406	Soil	1.4	33.6	9.3	50	<0.1	39.1	13.4	203	4.17	4.9	1.2	2.4	5.7	14	<0.1	0.4	0.1	47	0.09	0.026
117407	Soil	1.2	23.9	10.7	55	<0.1	26.6	10.3	225	2.99	9.0	1.8	0.7	7.2	13	<0.1	0.5	0.1	50	0.11	0.019
117408	Soil	0.6	34.7	13.1	162	<0.1	126.9	26.4	367	6.60	1.5	3.7	<0.5	13.6	25	<0.1	<0.1	0.3	100	0.19	0.030
117409	Soil	0.6	11.3	22.5	40	<0.1	23.5	8.8	332	2.42	1.5	1.0	<0.5	13.2	18	<0.1	<0.1	0.3	32	0.49	0.074
117410	Soil	1.1	27.0	26.9	46	<0.1	29.4	10.8	310	2.87	4.7	1.6	1.4	11.8	10	<0.1	0.3	0.2	39	0.18	0.048
117411	Soil	0.6	28.5	7.9	45	<0.1	39.6	13.9	269	3.42	1.9	0.8	0.7	8.6	70	<0.1	<0.1	<0.1	49	0.90	0.036
117412	Soil	0.3	46.6	14.7	70	<0.1	58.6	16.5	453	4.29	<0.5	1.1	1.2	13.0	55	<0.1	<0.1	<0.1	71	1.05	0.102
117413	Soil	0.8	23.7	8.4	54	<0.1	27.5	10.9	232	3.04	9.0	1.0	1.3	7.9	15	<0.1	0.5	<0.1	58	0.17	0.025
117414	Soil	0.4	11.8	10.8	37	<0.1	30.0	11.9	201	2.79	1.0	2.3	1.4	21.3	30	<0.1	<0.1	0.1	39	0.47	0.040
117415	Soil	0.4	42.2	7.8	49	<0.1	96.4	18.3	168	3.22	1.2	1.1	1.5	9.6	138	<0.1	<0.1	0.1	76	0.60	0.089
117416	Soil	0.5	32.8	19.3	77	<0.1	45.0	15.7	520	4.34	1.3	3.0	2.4	20.2	106	<0.1	0.1	0.4	61	0.92	0.056
117417	Soil	0.5	28.6	23.8	95	0.3	48.0	22.1	686	3.63	1.7	1.7	2.4	17.0	186	<0.1	<0.1	0.3	44	2.08	0.092
117418	Soil	0.3	8.3	11.0	86	<0.1	32.5	9.7	158	3.06	1.2	1.7	1.5	18.2	109	<0.1	<0.1	0.1	34	1.24	0.071
117419	Soil	1.1	23.0	10.4	65	<0.1	26.4	11.1	331	3.19	9.8	1.2	2.7	5.4	11	<0.1	0.6	0.2	50	0.11	0.037
117420	Soil	1.0	25.5	14.6	73	<0.1	25.0	11.3	395	3.00	9.5	1.9	3.6	7.1	17	0.2	0.7	0.3	47	0.22	0.065

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Project: Burnham
 Report Date: August 04, 2011

Page: 9 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
117391	Soil	59	49	1.30	172	0.161	<1	3.11	0.011	0.71	<0.1	<0.01	5.6	0.4	<0.05	11	<0.5	<0.2
117392	Soil	32	37	0.76	156	0.138	<1	2.95	0.009	0.39	<0.1	<0.01	3.0	0.2	0.05	8	<0.5	<0.2
117393	Soil	31	56	1.69	191	0.200	<1	3.29	0.016	1.11	<0.1	<0.01	4.0	0.6	0.10	10	<0.5	<0.2
117394	Soil	17	98	1.03	203	0.074	<1	1.59	0.008	0.05	0.1	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
117395	Soil	15	198	3.54	302	0.192	<1	3.79	0.009	0.21	<0.1	0.01	3.0	0.2	0.06	12	<0.5	<0.2
117396	Soil	18	62	0.83	162	0.153	<1	2.09	0.010	0.05	0.2	0.02	4.6	0.1	<0.05	6	<0.5	<0.2
117397	Soil	4	146	1.55	62	0.120	<1	2.67	0.013	0.10	<0.1	<0.01	2.5	0.2	<0.05	6	<0.5	<0.2
117398	Soil	38	37	0.77	114	0.142	<1	1.91	0.009	0.55	<0.1	<0.01	3.3	0.3	0.05	6	<0.5	<0.2
117399	Soil	54	42	0.68	29	0.132	<1	1.93	0.007	0.20	<0.1	0.01	2.9	0.3	<0.05	6	<0.5	<0.2
117400	Soil	43	79	1.05	250	0.197	<1	3.90	0.047	0.41	0.3	0.02	8.5	0.2	<0.05	13	<0.5	<0.2
117401	Soil	42	81	0.99	241	0.187	<1	3.68	0.030	0.45	0.2	0.01	9.1	0.3	<0.05	15	<0.5	<0.2
117402	Soil	28	95	1.27	208	0.162	<1	3.30	0.012	0.48	<0.1	<0.01	4.5	0.4	0.13	11	<0.5	<0.2
117403	Soil	22	42	0.70	220	0.110	<1	1.98	0.010	0.35	0.1	0.02	4.0	0.3	0.11	6	0.5	<0.2
117404	Soil	9	75	0.86	129	0.161	<1	1.73	0.007	0.20	0.1	0.01	1.8	0.1	<0.05	5	<0.5	<0.2
117405	Soil	30	44	0.77	120	0.114	<1	2.27	0.005	0.58	<0.1	<0.01	3.2	0.4	<0.05	7	<0.5	<0.2
117406	Soil	14	41	0.83	126	0.118	<1	2.14	0.008	0.43	<0.1	0.01	3.2	0.3	0.06	7	<0.5	<0.2
117407	Soil	16	36	0.53	131	0.073	<1	1.68	0.006	0.11	0.1	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
117408	Soil	48	217	1.80	171	0.190	<1	3.34	0.008	0.35	<0.1	<0.01	6.5	0.3	<0.05	14	<0.5	<0.2
117409	Soil	20	37	0.40	127	0.153	<1	2.13	0.006	0.25	0.1	<0.01	2.4	<0.1	<0.05	9	<0.5	<0.2
117410	Soil	34	40	0.58	127	0.135	<1	1.63	0.007	0.24	<0.1	0.01	3.0	0.2	<0.05	8	<0.5	<0.2
117411	Soil	17	62	0.86	239	0.253	<1	3.27	0.009	0.59	<0.1	0.01	3.2	0.3	<0.05	11	<0.5	<0.2
117412	Soil	22	134	1.04	201	0.281	<1	2.84	0.009	0.34	<0.1	0.01	7.3	0.2	<0.05	13	<0.5	<0.2
117413	Soil	15	40	0.64	142	0.109	<1	1.75	0.008	0.12	0.2	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
117414	Soil	41	46	1.39	211	0.165	<1	2.71	0.015	0.74	<0.1	<0.01	3.4	0.3	<0.05	9	<0.5	<0.2
117415	Soil	21	159	1.43	216	0.225	<1	3.60	0.024	0.51	0.1	<0.01	5.3	0.2	<0.05	11	<0.5	<0.2
117416	Soil	39	67	1.01	247	0.262	<1	3.34	0.020	0.50	0.1	0.01	8.1	0.3	<0.05	12	<0.5	<0.2
117417	Soil	61	48	0.79	65	0.158	1	3.82	0.008	0.15	<0.1	0.03	6.5	<0.1	<0.05	13	<0.5	<0.2
117418	Soil	42	45	1.75	54	0.196	1	3.24	0.009	0.29	<0.1	0.01	3.2	0.2	<0.05	11	<0.5	<0.2
117419	Soil	18	36	0.57	165	0.108	2	1.99	0.009	0.24	0.2	0.03	3.4	0.3	<0.05	6	<0.5	<0.2
117420	Soil	27	30	0.54	221	0.089	<1	1.83	0.010	0.15	0.1	0.03	3.7	0.2	<0.05	6	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 10 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
117421	Soil			0.7	17.5	9.6	59	<0.1	21.4	9.9	345	2.70	9.9	1.1	4.7	7.6	11	0.1	0.6	0.2	40	0.10	0.037
117422	Soil			0.7	15.5	15.6	79	<0.1	16.4	8.4	324	3.40	7.1	2.7	1.2	26.6	8	0.1	0.3	0.4	27	0.14	0.070
117423	Soil			0.8	18.4	24.8	85	<0.1	11.0	5.6	326	3.38	3.6	4.5	2.0	36.6	21	0.1	0.2	0.9	20	0.37	0.135
117424	Soil			0.8	19.1	11.0	53	<0.1	18.4	8.0	290	2.45	10.2	2.3	3.6	8.7	15	<0.1	0.6	0.2	43	0.16	0.046
117425	Soil			1.3	13.9	14.2	54	<0.1	14.9	6.4	281	3.00	9.5	1.3	2.9	6.2	12	0.2	0.5	0.4	48	0.10	0.070
117426	Soil			0.7	9.3	11.2	55	<0.1	39.2	12.6	349	4.11	7.8	0.9	1.5	9.6	17	0.2	0.3	0.4	89	0.26	0.087
117427	Soil			0.6	10.4	10.4	66	<0.1	31.1	11.9	400	3.97	4.8	1.1	1.4	14.8	10	0.2	0.3	0.4	73	0.21	0.085
117428	Soil			0.7	9.2	9.1	67	<0.1	8.0	6.2	465	2.81	2.4	4.9	1.9	30.2	6	<0.1	<0.1	0.4	16	0.37	0.206
117429	Soil			0.7	19.6	15.4	69	<0.1	14.7	7.8	378	2.80	7.8	6.0	3.6	17.6	15	<0.1	0.5	0.5	31	0.18	0.070
117430	Soil			1.0	15.3	15.8	70	<0.1	18.8	8.6	347	2.80	10.7	1.7	2.9	13.3	11	0.1	0.6	0.3	45	0.13	0.060
117431	Soil			0.4	7.8	9.1	56	<0.1	6.4	5.1	308	2.47	1.8	4.3	0.8	35.9	7	<0.1	0.1	0.4	12	0.36	0.198
117432	Soil			1.3	7.8	15.3	37	<0.1	12.4	5.7	238	2.13	7.0	1.7	2.0	11.6	13	<0.1	0.4	0.3	33	0.15	0.044
117433	Soil			1.2	12.2	12.7	60	<0.1	16.7	7.1	229	2.83	11.0	1.1	4.2	5.1	13	0.1	0.6	0.2	56	0.13	0.045
117434	Soil			0.9	20.8	11.8	56	<0.1	17.8	8.0	314	2.56	10.3	1.4	3.7	5.8	19	<0.1	0.7	0.2	44	0.20	0.068
117435	Soil			2.6	11.2	39.3	21	<0.1	2.6	1.0	36	1.17	12.2	4.3	1.5	26.2	14	<0.1	0.2	1.7	5	0.26	0.076
117436	Soil			1.2	14.7	14.6	100	<0.1	15.9	9.4	424	3.75	6.1	3.5	4.1	29.3	9	0.5	0.3	0.3	22	0.15	0.081
117437	Soil			1.0	21.1	22.2	263	<0.1	18.2	7.3	310	2.75	4.9	2.7	1.0	30.0	7	1.6	0.3	1.3	23	0.11	0.058
117438	Soil			0.6	22.5	11.2	63	<0.1	23.9	10.0	427	2.52	11.7	1.4	3.1	5.5	25	0.1	0.7	0.2	46	0.26	0.061
117439	Soil			1.9	15.6	20.0	115	<0.1	17.3	10.1	428	3.55	12.7	1.7	1.5	10.4	10	0.4	0.6	0.7	51	0.10	0.086
117440	Soil			1.6	16.6	25.3	92	0.1	14.1	6.7	325	2.36	6.9	3.2	3.2	9.2	12	0.9	0.4	1.1	34	0.15	0.068
117441	Soil			1.6	17.6	27.2	111	0.1	12.5	6.6	413	2.34	4.9	4.8	2.7	19.2	12	0.9	0.3	1.2	25	0.19	0.079
117442	Soil			1.1	20.8	14.6	66	<0.1	21.8	10.0	411	2.72	12.1	5.1	2.9	7.2	22	0.1	0.7	0.3	47	0.21	0.043
117443	Soil			1.7	26.3	18.7	123	<0.1	13.6	6.7	720	2.79	5.3	12.3	2.8	29.0	11	0.9	0.4	0.5	22	0.18	0.084
117444	Soil			1.1	3.7	21.3	68	<0.1	6.6	4.4	389	2.49	2.7	7.3	1.2	24.4	5	0.1	0.2	0.4	9	0.26	0.161
117445	Soil			1.5	9.3	16.1	53	<0.1	13.3	5.2	170	2.35	10.9	2.6	2.0	11.9	8	0.1	0.5	0.4	29	0.06	0.040
121332	Soil			1.1	68.3	10.1	85	<0.1	40.7	24.2	472	4.07	5.1	8.6	0.9	5.3	21	<0.1	0.3	0.3	54	0.12	0.055
121333	Soil			1.0	51.8	14.7	78	<0.1	76.3	25.4	666	4.44	6.1	0.6	<0.5	3.7	42	0.2	0.4	0.1	110	0.82	0.083
121334	Soil			0.8	30.8	12.6	71	<0.1	41.3	15.9	349	4.11	8.2	1.0	1.4	11.2	30	<0.1	0.4	0.2	69	0.34	0.033
121335	Soil			0.9	28.5	11.2	56	<0.1	44.8	11.3	278	2.98	11.2	1.2	5.0	4.7	13	0.2	0.9	0.4	59	0.11	0.033
121336	Soil			1.1	15.5	11.3	64	<0.1	33.1	13.4	333	3.20	8.6	0.4	1.7	3.1	10	<0.1	0.5	0.2	73	0.19	0.058

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Page: 10 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
117421	Soil	17	26	0.49	111	0.083	1	1.81	0.008	0.16	0.1	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
117422	Soil	42	19	0.47	119	0.108	<1	2.42	0.008	0.34	0.1	0.02	2.1	0.5	<0.05	9	<0.5	<0.2
117423	Soil	93	15	0.43	169	0.016	<1	2.03	0.010	0.12	<0.1	0.02	2.5	0.1	<0.05	8	<0.5	<0.2
117424	Soil	42	25	0.48	143	0.059	2	1.59	0.009	0.09	0.2	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
117425	Soil	19	24	0.41	108	0.060	<1	1.73	0.008	0.12	0.2	0.02	2.0	0.2	<0.05	7	<0.5	<0.2
117426	Soil	17	57	1.28	229	0.192	1	3.21	0.015	0.53	0.2	0.03	6.4	0.6	<0.05	13	<0.5	<0.2
117427	Soil	26	46	1.21	170	0.230	<1	3.11	0.010	0.58	0.4	0.02	4.8	0.6	<0.05	11	<0.5	<0.2
117428	Soil	55	12	0.36	91	0.138	<1	2.11	0.012	0.60	0.1	0.01	1.8	0.6	<0.05	9	<0.5	<0.2
117429	Soil	57	21	0.41	136	0.046	<1	1.80	0.009	0.13	0.1	0.04	4.0	0.2	<0.05	6	<0.5	<0.2
117430	Soil	23	27	0.45	142	0.087	<1	2.07	0.008	0.16	0.2	0.02	2.4	0.3	<0.05	6	<0.5	<0.2
117431	Soil	49	10	0.26	80	0.103	<1	1.85	0.010	0.30	<0.1	0.01	1.2	0.3	<0.05	8	<0.5	<0.2
117432	Soil	19	21	0.32	127	0.037	<1	1.22	0.007	0.10	0.1	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
117433	Soil	19	27	0.45	157	0.054	<1	1.89	0.008	0.07	0.2	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
117434	Soil	19	25	0.48	209	0.060	2	1.48	0.017	0.07	0.2	0.04	3.3	0.1	<0.05	4	<0.5	<0.2
117435	Soil	40	4	0.05	77	0.002	<1	0.48	0.004	0.13	0.1	0.02	1.0	0.2	<0.05	1	<0.5	<0.2
117436	Soil	33	17	0.46	239	0.123	<1	2.68	0.010	0.44	0.3	0.02	2.2	0.8	<0.05	13	<0.5	<0.2
117437	Soil	25	18	0.44	179	0.100	<1	2.30	0.009	0.25	2.6	0.02	2.7	0.4	<0.05	10	<0.5	<0.2
117438	Soil	21	27	0.48	354	0.052	<1	1.47	0.013	0.07	0.2	0.05	4.1	<0.1	<0.05	4	<0.5	<0.2
117439	Soil	16	28	0.46	142	0.052	<1	2.27	0.010	0.13	0.4	0.02	2.4	0.3	<0.05	8	<0.5	<0.2
117440	Soil	26	19	0.34	150	0.050	<1	1.48	0.007	0.12	0.3	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
117441	Soil	34	15	0.32	153	0.051	<1	1.34	0.007	0.14	0.3	0.02	2.0	0.3	<0.05	5	<0.5	<0.2
117442	Soil	20	29	0.50	294	0.055	<1	1.60	0.011	0.07	0.2	0.05	4.0	<0.1	<0.05	5	<0.5	<0.2
117443	Soil	54	16	0.30	152	0.027	<1	1.62	0.008	0.11	0.3	0.04	3.8	0.2	<0.05	7	<0.5	<0.2
117444	Soil	31	12	0.17	69	0.007	<1	1.41	0.008	0.13	0.1	<0.01	1.0	0.1	<0.05	6	<0.5	<0.2
117445	Soil	14	19	0.27	117	0.015	<1	1.41	0.006	0.09	0.2	0.01	1.6	0.2	<0.05	3	<0.5	<0.2
121332	Soil	18	41	0.69	233	0.079	<1	2.55	0.011	0.33	<0.1	0.02	3.8	0.3	<0.05	7	<0.5	<0.2
121333	Soil	11	127	1.63	375	0.319	1	3.50	0.020	0.08	0.2	0.02	5.1	<0.1	<0.05	13	<0.5	<0.2
121334	Soil	20	77	1.13	182	0.242	<1	3.22	0.009	0.14	0.2	0.02	4.4	0.1	<0.05	11	<0.5	<0.2
121335	Soil	20	80	0.63	162	0.082	2	1.86	0.008	0.04	0.2	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
121336	Soil	10	56	0.70	153	0.097	2	2.40	0.009	0.05	0.1	0.02	2.7	<0.1	<0.05	8	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 11 of 12 Part 1

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WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
121337	Soil	0.4	23.5	8.0	57	<0.1	54.6	13.4	212	3.08	3.5	1.6	1.4	10.6	24	<0.1	0.2	0.1	55	0.36	0.045
121338	Soil	0.2	25.8	8.4	49	<0.1	45.4	19.4	273	4.25	0.6	1.8	0.9	11.9	16	<0.1	0.1	0.3	48	0.49	0.165
121339	Soil	0.5	25.2	7.7	66	<0.1	59.8	22.0	264	4.26	1.5	1.6	0.9	9.9	19	0.2	0.3	0.3	60	0.30	0.079
121340	Soil	0.6	32.6	8.7	56	<0.1	55.2	23.6	279	4.86	1.2	1.4	<0.5	7.6	13	<0.1	<0.1	0.2	62	0.26	0.108
121341	Soil	0.5	140.5	13.0	80	<0.1	54.6	19.4	472	4.12	2.2	1.2	<0.5	11.8	40	0.2	0.2	0.3	69	0.72	0.069
121342	Soil	0.4	36.6	13.1	69	<0.1	45.5	16.2	344	3.63	3.6	1.7	1.6	7.8	50	0.2	0.3	0.3	68	0.90	0.039
121343	Soil	0.7	39.0	8.8	76	<0.1	49.2	16.5	177	4.24	1.5	1.9	0.6	12.4	13	0.3	0.4	0.3	51	0.24	0.076
121344	Soil	0.5	35.7	9.2	89	<0.1	46.6	26.9	765	6.31	1.8	0.9	0.7	2.2	33	<0.1	0.2	0.2	155	1.35	0.243
121345	Soil	0.9	27.0	8.4	58	<0.1	33.6	18.6	342	4.83	5.1	1.5	<0.5	10.1	94	<0.1	0.2	0.3	91	0.33	0.113
121346	Soil	0.6	20.7	11.1	60	<0.1	37.0	12.8	306	3.23	3.4	1.2	<0.5	9.5	35	<0.1	0.2	0.4	75	0.58	0.061
121347	Soil	0.5	26.3	9.2	83	<0.1	59.5	18.5	236	4.05	4.3	1.0	<0.5	7.0	24	<0.1	0.2	0.2	75	0.47	0.066
121348	Soil	0.5	27.0	3.8	88	<0.1	13.3	15.6	803	5.92	1.1	2.2	0.8	15.4	43	0.1	0.1	<0.1	114	0.95	0.210
121349	Soil	0.5	47.8	5.4	54	<0.1	43.8	18.8	417	3.88	2.8	1.1	2.3	6.0	12	<0.1	0.2	0.1	44	0.24	0.068
121350	Soil	1.1	29.0	7.5	61	0.2	36.1	9.4	178	2.77	11.2	0.5	1.4	3.5	9	0.3	0.7	0.3	62	0.10	0.020
121351	Soil	0.5	126.0	28.0	73	0.4	119.6	26.0	296	3.36	5.5	0.3	1.0	1.6	24	0.2	0.2	1.1	89	0.60	0.108
121352	Soil	0.7	169.3	15.3	155	0.1	48.1	15.6	647	4.65	3.1	1.1	1.6	7.4	22	0.2	0.3	0.4	104	0.35	0.092
121353	Soil	1.5	93.1	6.3	63	0.1	44.9	13.6	385	3.12	5.3	0.5	0.6	3.1	9	<0.1	0.3	0.1	104	0.19	0.072
121354	Soil	0.7	53.6	14.9	62	<0.1	71.5	20.8	897	3.60	5.7	0.4	2.3	2.4	24	0.1	0.3	0.2	88	0.41	0.152
121355	Soil	1.0	77.1	9.7	122	<0.1	47.8	10.3	325	3.69	8.4	0.7	1.6	4.9	10	<0.1	0.4	0.2	97	0.07	0.041
121356	Soil	1.2	31.8	12.2	66	0.2	27.5	9.7	274	2.72	12.0	1.3	2.5	4.8	14	<0.1	0.8	0.2	57	0.11	0.019
121357	Soil	2.0	42.1	10.4	61	0.1	23.5	7.7	232	2.28	6.8	1.3	3.3	2.2	15	0.4	0.6	0.4	67	0.12	0.038
121358	Soil	0.7	28.3	8.8	71	<0.1	21.7	10.5	403	2.91	7.1	2.0	4.0	9.1	16	0.2	0.6	0.3	56	0.30	0.050
121359	Soil	0.6	24.1	11.3	66	<0.1	24.6	12.3	392	3.18	4.7	1.4	1.0	10.8	20	0.2	0.4	0.3	72	0.43	0.077
121360	Soil	0.7	29.8	9.1	62	<0.1	31.0	12.2	343	2.85	6.5	1.2	2.3	6.1	29	0.4	0.7	0.3	62	0.41	0.055
121361	Soil	0.4	28.8	16.3	94	<0.1	42.6	19.6	510	4.23	3.5	1.8	1.7	13.3	200	<0.1	0.3	0.3	58	0.86	0.067
121362	Soil	0.6	38.5	12.0	96	<0.1	58.4	19.7	456	4.72	4.5	2.2	1.4	12.9	216	0.2	0.3	0.3	85	1.00	0.062
121363	Soil	1.0	28.8	11.5	71	0.1	30.5	11.8	348	3.01	7.2	1.3	2.0	5.6	51	0.2	0.6	0.3	60	0.57	0.052
121364	Soil	1.2	32.1	12.3	90	0.2	31.8	11.6	345	2.92	9.5	1.1	1.5	5.1	41	0.4	0.9	0.3	58	0.59	0.067
121365	Soil	0.7	10.9	8.7	60	<0.1	14.9	7.2	343	2.57	5.9	1.4	1.7	12.8	8	0.3	0.4	0.4	37	0.16	0.075
121366	Soil	0.9	23.7	10.6	64	<0.1	18.7	7.9	276	2.65	7.1	1.8	2.3	8.2	16	0.2	0.5	0.8	44	0.22	0.071

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 Report Date: August 04, 2011

Page: 11 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
121337	Soil	22	129	1.27	209	0.160	<1	2.28	0.008	0.22	<0.1	0.01	4.5	0.2	<0.05	8	<0.5	<0.2
121338	Soil	31	56	1.09	204	0.120	<1	2.94	0.009	0.84	<0.1	<0.01	5.6	0.4	<0.05	9	<0.5	<0.2
121339	Soil	30	61	1.12	182	0.192	1	3.32	0.013	0.89	<0.1	<0.01	4.3	0.4	<0.05	11	<0.5	<0.2
121340	Soil	23	62	1.29	193	0.212	<1	3.46	0.016	1.14	<0.1	<0.01	4.5	0.5	<0.05	10	<0.5	<0.2
121341	Soil	22	69	1.31	137	0.187	<1	3.58	0.005	0.10	0.1	0.01	4.0	<0.1	<0.05	12	<0.5	<0.2
121342	Soil	23	64	1.10	218	0.202	<1	3.58	0.012	0.41	<0.1	0.02	7.0	0.2	<0.05	10	<0.5	<0.2
121343	Soil	30	65	1.05	154	0.219	<1	3.03	0.008	0.68	<0.1	<0.01	3.7	0.5	<0.05	9	<0.5	<0.2
121344	Soil	17	79	1.56	130	0.169	<1	3.47	0.018	0.14	0.2	<0.01	10.2	<0.1	<0.05	16	<0.5	<0.2
121345	Soil	18	66	1.38	275	0.266	<1	3.91	0.013	0.81	0.2	0.01	6.6	0.3	<0.05	15	<0.5	<0.2
121346	Soil	27	45	1.03	189	0.172	<1	3.10	0.011	0.40	0.1	<0.01	4.3	0.2	<0.05	11	<0.5	<0.2
121347	Soil	21	91	1.36	194	0.214	<1	3.11	0.007	0.34	0.2	<0.01	5.2	0.2	<0.05	10	<0.5	<0.2
121348	Soil	29	19	1.02	149	0.190	<1	2.65	0.010	0.15	0.2	<0.01	8.5	<0.1	<0.05	14	<0.5	<0.2
121349	Soil	17	35	0.79	191	0.111	<1	2.05	0.004	0.13	<0.1	<0.01	2.7	<0.1	<0.05	7	<0.5	<0.2
121350	Soil	12	38	0.58	316	0.070	1	2.29	0.006	0.06	0.1	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
121351	Soil	6	143	1.17	548	0.139	<1	4.65	0.020	0.06	0.2	0.03	4.0	<0.1	<0.05	10	<0.5	<0.2
121352	Soil	15	44	1.00	248	0.210	<1	2.67	0.004	0.14	0.1	0.01	4.4	<0.1	<0.05	11	<0.5	0.2
121353	Soil	8	92	0.97	171	0.192	1	2.17	0.007	0.20	0.2	0.01	4.5	<0.1	<0.05	7	<0.5	<0.2
121354	Soil	10	131	1.22	166	0.161	<1	2.95	0.018	0.06	0.1	0.01	4.8	<0.1	<0.05	8	<0.5	<0.2
121355	Soil	22	63	0.73	330	0.034	<1	2.08	0.004	0.06	<0.1	0.01	3.8	<0.1	<0.05	10	<0.5	<0.2
121356	Soil	19	34	0.50	269	0.058	1	1.75	0.008	0.05	0.2	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
121357	Soil	21	29	0.30	687	0.045	1	1.38	0.006	0.05	0.1	0.02	2.9	0.2	<0.05	6	0.5	<0.2
121358	Soil	34	38	0.63	211	0.110	<1	1.95	0.007	0.07	0.2	0.03	5.1	<0.1	<0.05	7	<0.5	<0.2
121359	Soil	35	43	0.79	256	0.165	<1	2.01	0.012	0.10	0.2	<0.01	4.8	<0.1	<0.05	9	<0.5	<0.2
121360	Soil	20	49	0.70	291	0.125	<1	1.78	0.011	0.06	0.2	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
121361	Soil	40	62	1.02	263	0.191	<1	4.02	0.048	0.50	0.2	0.01	7.2	0.3	<0.05	12	<0.5	<0.2
121362	Soil	40	99	1.31	338	0.261	1	4.62	0.105	0.71	0.2	0.03	9.4	0.4	<0.05	15	<0.5	<0.2
121363	Soil	21	41	0.65	300	0.108	<1	2.12	0.019	0.11	0.2	0.03	4.6	0.1	<0.05	7	<0.5	<0.2
121364	Soil	19	39	0.60	352	0.087	<1	1.74	0.016	0.08	0.2	0.04	4.3	<0.1	0.05	6	0.5	<0.2
121365	Soil	28	20	0.60	96	0.053	<1	1.73	0.006	0.18	0.2	0.02	1.7	0.2	<0.05	7	<0.5	<0.2
121366	Soil	34	27	0.47	156	0.059	1	1.66	0.007	0.11	0.2	0.02	2.8	0.2	<0.05	6	<0.5	<0.2

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Page: 12 of 12 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
121367	Soil	1.4	19.1	11.6	58	<0.1	20.0	8.3	270	2.70	8.3	1.6	2.6	10.3	15	0.2	0.6	1.2	48	0.21	0.064
121368	Soil	0.7	15.4	10.3	52	<0.1	14.9	6.5	181	2.32	4.3	1.5	1.8	11.0	13	0.2	0.5	0.5	33	0.19	0.063
121369	Soil	1.3	13.3	10.4	49	<0.1	15.4	6.9	236	2.65	11.9	1.5	2.1	4.0	11	0.2	0.5	2.5	40	0.15	0.061
121370	Soil	1.6	46.9	10.1	142	0.1	22.9	9.5	415	3.18	143.4	2.8	4.1	7.5	92	0.6	2.3	17.0	74	2.19	0.428
121371	Soil	0.9	17.2	12.1	59	<0.1	17.5	8.0	274	2.77	11.3	1.5	4.5	6.3	12	0.2	0.4	0.7	49	0.19	0.067
121372	Soil	1.6	36.9	10.3	78	<0.1	29.6	11.5	423	2.80	11.5	1.7	2.5	7.7	23	0.3	0.7	0.3	56	0.31	0.085
121373	Soil	7.5	54.7	16.7	174	0.1	46.1	14.2	254	3.90	25.2	3.1	2.8	9.8	19	0.9	0.7	0.7	53	0.17	0.070
121374	Soil	5.2	60.0	12.9	138	0.2	33.8	9.6	209	3.38	15.6	4.3	3.0	5.8	21	0.8	0.6	0.8	60	0.20	0.093
121375	Soil	3.5	35.6	12.0	108	0.1	26.8	9.9	281	3.16	12.3	2.4	3.6	5.8	19	0.8	0.5	1.0	59	0.16	0.067
121376	Soil	2.8	30.2	12.1	93	<0.1	26.0	9.5	301	3.06	13.1	2.3	2.0	5.1	17	0.5	0.5	0.6	57	0.17	0.059
121377	Soil	4.4	46.0	11.6	110	<0.1	34.1	13.4	379	3.23	46.8	2.6	2.1	9.4	17	0.5	0.5	0.9	67	0.23	0.093
121378	Soil	2.7	29.4	11.0	80	<0.1	25.7	9.8	270	2.93	26.9	1.7	5.3	6.4	12	0.3	0.5	0.7	64	0.15	0.063
121379	Soil	2.1	22.0	10.2	81	<0.1	24.1	9.3	288	2.97	13.6	1.3	1.1	5.4	13	0.3	0.4	0.7	60	0.15	0.048
121380	Soil	1.5	22.5	9.0	67	<0.1	23.4	10.3	312	2.79	10.5	1.3	2.5	6.8	14	0.1	0.4	0.3	51	0.18	0.048
121381	Soil	1.4	18.6	10.1	64	<0.1	20.5	9.0	257	2.80	11.4	1.1	1.8	4.6	12	0.2	0.4	0.3	55	0.14	0.048
121382	Soil	1.1	18.2	8.3	59	<0.1	19.8	7.7	229	2.39	8.6	1.1	2.9	3.7	15	<0.1	0.4	0.2	48	0.19	0.050
121383	Soil	1.3	21.6	9.8	62	<0.1	20.3	8.4	251	2.50	9.7	1.3	0.5	4.0	15	<0.1	0.4	0.4	49	0.20	0.058
121384	Soil	1.2	18.7	8.9	62	<0.1	19.5	8.9	262	2.53	8.8	1.3	1.6	5.5	16	0.1	0.4	0.3	50	0.20	0.058
121385	Soil	1.3	18.2	9.3	61	0.1	18.8	7.6	191	2.51	8.7	1.2	1.4	2.4	14	0.1	0.3	0.3	48	0.17	0.062
121386	Soil	1.3	16.8	9.3	59	0.1	18.2	7.2	179	2.33	7.9	1.2	2.2	2.6	15	<0.1	0.3	0.3	45	0.18	0.053



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Project: Burnham
 Report Date: August 04, 2011

Page: 12 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000569.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
121367	Soil	36	28	0.50	174	0.058	<1	1.85	0.007	0.11	0.3	0.03	3.0	0.2	<0.05	6	<0.5	<0.2
121368	Soil	35	22	0.42	125	0.066	<1	1.46	0.006	0.14	0.4	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
121369	Soil	30	22	0.43	131	0.043	<1	1.70	0.006	0.15	0.2	0.04	1.7	0.2	<0.05	7	<0.5	<0.2
121370	Soil	21	39	0.76	291	0.076	5	2.05	0.049	0.25	31.2	<0.01	4.2	0.2	<0.05	7	<0.5	0.2
121371	Soil	27	27	0.44	168	0.066	<1	1.99	0.007	0.19	0.2	0.04	2.8	0.3	<0.05	7	<0.5	<0.2
121372	Soil	29	31	0.53	319	0.064	1	1.71	0.010	0.10	0.2	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
121373	Soil	21	23	0.36	88	0.028	<1	1.62	0.007	0.08	0.2	0.02	1.5	0.3	<0.05	5	1.9	<0.2
121374	Soil	21	29	0.48	141	0.040	<1	1.96	0.010	0.10	0.9	0.02	2.5	0.2	<0.05	5	1.7	<0.2
121375	Soil	22	30	0.48	153	0.048	<1	1.91	0.008	0.13	0.3	0.03	2.5	0.2	<0.05	6	0.6	<0.2
121376	Soil	25	30	0.47	180	0.051	<1	1.92	0.007	0.14	0.2	0.03	2.6	0.2	<0.05	6	<0.5	<0.2
121377	Soil	23	34	0.55	185	0.064	1	2.02	0.009	0.16	2.2	0.02	3.1	0.2	<0.05	6	0.9	<0.2
121378	Soil	18	30	0.49	143	0.056	1	1.87	0.007	0.10	0.6	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
121379	Soil	20	31	0.51	194	0.080	1	1.73	0.008	0.14	0.4	0.03	2.7	0.2	<0.05	7	<0.5	<0.2
121380	Soil	23	31	0.48	212	0.081	<1	1.53	0.007	0.12	0.4	0.02	3.2	0.2	<0.05	5	<0.5	<0.2
121381	Soil	17	30	0.45	174	0.059	<1	1.67	0.007	0.09	0.3	0.04	2.4	0.2	<0.05	6	<0.5	<0.2
121382	Soil	19	29	0.47	204	0.055	<1	1.53	0.007	0.07	0.3	0.04	2.5	0.1	<0.05	5	<0.5	<0.2
121383	Soil	19	29	0.47	191	0.059	1	1.56	0.008	0.08	0.3	0.03	2.8	0.2	<0.05	5	0.6	<0.2
121384	Soil	22	29	0.47	204	0.065	<1	1.56	0.007	0.08	0.3	0.03	2.8	0.2	<0.05	5	<0.5	<0.2
121385	Soil	17	27	0.43	179	0.050	<1	1.62	0.008	0.09	0.2	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
121386	Soil	17	26	0.43	194	0.045	<1	1.62	0.007	0.08	0.2	0.04	2.2	0.2	<0.05	5	<0.5	<0.2



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 Report Date: August 04, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000569.1

Method	Analyte	Unit	MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
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	0.001
104315	Soil			0.9	11.7	9.1	51	<0.1	12.5	5.3	190	2.34	9.3	1.0	2.6	3.4	10	0.2	0.3	0.2	38	0.11	0.063
REP 104315	QC			0.9	12.2	9.4	51	<0.1	12.8	5.3	195	2.35	9.4	1.0	1.2	3.3	10	0.2	0.3	0.2	41	0.12	0.066
104322	Soil			1.8	21.2	12.9	49	<0.1	15.4	8.0	248	2.42	10.3	2.2	4.7	4.4	13	<0.1	0.4	0.8	38	0.13	0.056
REP 104322	QC			1.6	22.1	13.8	52	<0.1	15.9	8.2	255	2.48	10.8	2.2	5.1	4.4	13	<0.1	0.4	0.8	38	0.13	0.060
104337	Soil			1.0	9.8	15.5	62	<0.1	11.6	5.9	351	2.45	5.3	6.7	1.4	13.9	10	<0.1	0.3	0.4	30	0.16	0.107
REP 104337	QC			1.0	9.9	16.8	63	<0.1	12.5	6.1	362	2.47	5.6	6.5	1.1	12.7	9	<0.1	0.3	0.3	31	0.16	0.102
109298	Soil			1.1	13.4	12.4	56	<0.1	14.1	7.8	347	2.46	8.7	2.0	0.7	8.6	9	0.1	0.5	0.3	32	0.14	0.085
REP 109298	QC			0.8	13.5	12.1	53	<0.1	13.1	7.6	345	2.38	8.3	2.0	0.6	8.2	9	<0.1	0.5	0.3	32	0.14	0.084
109319	Soil			0.9	10.3	11.0	60	<0.1	12.6	5.9	270	2.69	7.8	2.2	0.7	12.4	8	<0.1	0.5	0.3	32	0.16	0.098
REP 109319	QC			0.9	10.0	10.5	57	<0.1	11.3	5.6	265	2.56	7.5	2.2	<0.5	12.0	8	<0.1	0.4	0.2	31	0.15	0.095
113227	Soil			0.3	38.8	11.1	101	<0.1	42.9	17.5	292	4.43	1.5	1.8	<0.5	15.6	74	<0.1	<0.1	0.2	67	0.71	0.049
REP 113227	QC			0.4	37.5	11.4	98	<0.1	42.5	16.9	300	4.39	1.6	1.9	0.8	15.9	76	<0.1	<0.1	0.2	66	0.71	0.053
112401	Soil			1.1	20.7	10.9	60	<0.1	18.3	6.2	202	2.20	6.3	2.3	3.0	11.2	13	<0.1	0.5	0.3	37	0.23	0.062
REP 112401	QC			1.1	21.2	11.3	65	<0.1	19.0	6.4	200	2.28	6.4	2.2	2.6	11.5	14	<0.1	0.4	0.4	37	0.23	0.067
112414	Soil			0.8	14.5	10.7	49	<0.1	16.9	6.9	218	2.64	9.0	1.1	2.4	14.8	9	<0.1	0.5	0.2	36	0.09	0.024
REP 112414	QC			0.8	14.2	10.3	46	<0.1	16.2	6.8	212	2.54	8.4	1.0	1.6	13.2	9	<0.1	0.5	0.2	35	0.08	0.021
115497	Soil			0.5	33.5	7.4	54	<0.1	37.0	13.5	213	4.04	1.9	1.3	<0.5	7.5	9	<0.1	0.1	0.4	55	0.15	0.048
REP 115497	QC			0.5	32.9	7.6	54	<0.1	37.8	13.4	220	4.08	1.9	1.2	<0.5	7.4	10	<0.1	0.1	0.3	57	0.15	0.050
115500	Soil			0.7	24.6	8.5	44	<0.1	43.4	16.4	178	5.18	3.1	0.9	0.7	5.1	18	<0.1	0.2	0.3	77	0.13	0.034
REP 115500	QC			0.7	23.4	8.3	44	<0.1	43.1	16.8	178	5.06	3.4	0.9	<0.5	5.0	18	<0.1	0.2	0.3	74	0.12	0.034
115524	Soil			1.0	14.3	13.2	53	<0.1	15.4	6.2	200	2.97	12.0	0.6	0.6	5.2	10	0.2	0.6	0.3	58	0.09	0.034
REP 115524	QC			1.0	14.5	13.4	52	<0.1	16.8	6.0	204	2.96	12.1	0.7	11.9	5.2	10	0.1	0.7	0.3	58	0.09	0.036
117393	Soil			0.7	77.6	13.3	47	<0.1	29.7	13.4	509	4.29	0.6	1.9	<0.5	14.5	21	<0.1	<0.1	0.3	46	0.24	0.133
REP 117393	QC			0.7	79.1	11.8	49	<0.1	30.4	13.2	510	4.26	0.7	1.9	<0.5	14.5	21	<0.1	<0.1	0.3	46	0.23	0.124
117411	Soil			0.6	28.5	7.9	45	<0.1	39.6	13.9	269	3.42	1.9	0.8	0.7	8.6	70	<0.1	<0.1	<0.1	49	0.90	0.036
REP 117411	QC			0.6	28.5	8.2	44	<0.1	39.3	14.4	277	3.45	2.1	0.9	0.5	8.9	69	<0.1	<0.1	<0.1	49	0.89	0.035
117422	Soil			0.7	15.5	15.6	79	<0.1	16.4	8.4	324	3.40	7.1	2.7	1.2	26.6	8	0.1	0.3	0.4	27	0.14	0.070
REP 117422	QC			0.7	14.6	15.7	78	<0.1	15.9	8.3	326	3.36	6.6	2.7	1.3	26.3	8	0.1	0.3	0.5	28	0.14	0.072



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Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000569.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
104315	Soil	15	22	0.38	128	0.035	<1	1.44	0.006	0.05	0.2	0.03	2.3	0.1	<0.05	5	0.7	<0.2
REP 104315	QC	16	22	0.38	127	0.038	<1	1.50	0.006	0.05	0.2	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
104322	Soil	22	22	0.35	147	0.032	<1	1.40	0.006	0.05	0.2	0.03	2.8	0.2	<0.05	4	<0.5	<0.2
REP 104322	QC	22	23	0.37	154	0.029	<1	1.48	0.006	0.05	0.2	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
104337	Soil	17	18	0.24	140	0.050	<1	1.74	0.007	0.19	0.3	0.02	2.2	0.5	<0.05	7	<0.5	<0.2
REP 104337	QC	17	19	0.24	139	0.049	<1	1.72	0.007	0.20	0.3	<0.01	2.3	0.5	<0.05	7	<0.5	<0.2
109298	Soil	24	21	0.34	106	0.040	<1	1.64	0.006	0.13	0.3	0.03	2.1	0.2	<0.05	5	0.6	<0.2
REP 109298	QC	23	20	0.34	102	0.043	<1	1.62	0.006	0.13	0.2	0.04	2.0	0.2	<0.05	5	0.9	<0.2
109319	Soil	18	17	0.31	94	0.078	<1	1.39	0.007	0.21	0.2	0.02	1.7	0.4	<0.05	7	<0.5	<0.2
REP 109319	QC	18	17	0.30	93	0.077	<1	1.37	0.007	0.20	0.2	0.02	1.6	0.4	<0.05	7	<0.5	<0.2
113227	Soil	29	71	1.02	181	0.232	<1	3.15	0.020	0.83	<0.1	0.01	6.5	0.6	<0.05	11	<0.5	<0.2
REP 113227	QC	30	71	1.02	186	0.237	<1	3.18	0.022	0.82	<0.1	0.01	6.8	0.5	<0.05	11	<0.5	<0.2
112401	Soil	29	24	0.35	203	0.043	<1	1.31	0.008	0.07	0.2	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
REP 112401	QC	29	25	0.38	205	0.043	1	1.40	0.009	0.07	0.3	0.04	2.4	0.1	<0.05	4	0.6	<0.2
112414	Soil	13	21	0.41	171	0.052	<1	1.90	0.006	0.15	0.2	0.01	2.5	0.3	<0.05	5	<0.5	<0.2
REP 112414	QC	12	20	0.39	163	0.052	1	1.76	0.006	0.14	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
115497	Soil	16	57	0.89	166	0.174	<1	2.31	0.008	0.50	0.2	<0.01	3.6	0.3	<0.05	10	<0.5	<0.2
REP 115497	QC	16	59	0.92	174	0.171	<1	2.33	0.008	0.52	0.2	<0.01	3.7	0.3	<0.05	10	<0.5	<0.2
115500	Soil	12	72	1.19	249	0.229	<1	3.06	0.014	1.09	0.1	<0.01	7.4	0.4	0.07	14	<0.5	<0.2
REP 115500	QC	12	71	1.18	254	0.225	<1	3.05	0.012	1.07	<0.1	0.01	7.2	0.4	0.06	14	<0.5	<0.2
115524	Soil	13	25	0.36	119	0.053	1	1.74	0.006	0.05	0.3	0.04	3.0	0.1	0.10	7	<0.5	<0.2
REP 115524	QC	13	26	0.36	120	0.054	2	1.71	0.006	0.05	0.3	0.03	2.8	0.1	0.09	7	<0.5	<0.2
117393	Soil	31	56	1.69	191	0.200	<1	3.29	0.016	1.11	<0.1	<0.01	4.0	0.6	0.10	10	<0.5	<0.2
REP 117393	QC	31	55	1.64	191	0.198	<1	3.24	0.016	1.12	<0.1	0.01	4.1	0.6	0.07	10	<0.5	<0.2
117411	Soil	17	62	0.86	239	0.253	<1	3.27	0.009	0.59	<0.1	0.01	3.2	0.3	<0.05	11	<0.5	<0.2
REP 117411	QC	17	64	0.88	233	0.254	<1	3.31	0.010	0.59	<0.1	0.02	3.1	0.3	<0.05	10	<0.5	<0.2
117422	Soil	42	19	0.47	119	0.108	<1	2.42	0.008	0.34	0.1	0.02	2.1	0.5	<0.05	9	<0.5	<0.2
REP 117422	QC	40	19	0.48	116	0.110	1	2.44	0.008	0.34	0.1	0.02	2.1	0.5	<0.05	9	<0.5	<0.2

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.



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Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000569.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
117442	Soil	1.1	20.8	14.6	66	<0.1	21.8	10.0	411	2.72	12.1	5.1	2.9	7.2	22	0.1	0.7	0.3	47	0.21	0.043
REP 117442	QC	1.2	20.2	14.7	67	<0.1	22.7	10.2	425	2.75	11.8	5.1	4.4	7.5	22	0.1	0.7	0.3	48	0.21	0.044
121337	Soil	0.4	23.5	8.0	57	<0.1	54.6	13.4	212	3.08	3.5	1.6	1.4	10.6	24	<0.1	0.2	0.1	55	0.36	0.045
REP 121337	QC	0.3	23.0	8.1	56	<0.1	55.4	13.9	217	3.17	3.4	1.5	0.9	10.8	24	<0.1	0.2	0.1	54	0.35	0.043
121356	Soil	1.2	31.8	12.2	66	0.2	27.5	9.7	274	2.72	12.0	1.3	2.5	4.8	14	<0.1	0.8	0.2	57	0.11	0.019
REP 121356	QC	1.2	31.6	12.1	67	0.2	28.1	9.5	276	2.62	11.7	1.3	3.2	5.1	14	0.1	0.7	0.2	56	0.12	0.020
121380	Soil	1.5	22.5	9.0	67	<0.1	23.4	10.3	312	2.79	10.5	1.3	2.5	6.8	14	0.1	0.4	0.3	51	0.18	0.048
REP 121380	QC	1.3	23.1	9.1	70	<0.1	24.1	10.3	315	2.77	10.7	1.4	3.9	6.8	15	0.1	0.4	0.5	49	0.19	0.052
Reference Materials																					
STD DS8	Standard	12.4	101.9	106.1	304	1.8	35.6	6.8	578	2.38	25.5	2.2	113.0	5.7	56	2.2	4.6	5.6	34	0.64	0.075
STD DS8	Standard	13.5	103.0	108.7	312	1.9	35.9	6.9	623	2.45	27.1	2.3	106.9	6.0	60	2.2	4.8	5.8	38	0.68	0.078
STD DS8	Standard	11.6	101.6	120.0	283	1.6	35.4	6.9	574	2.29	25.1	2.6	96.3	6.5	61	2.0	5.7	6.5	37	0.63	0.078
STD DS8	Standard	11.9	96.0	119.2	284	1.6	33.0	6.9	560	2.25	23.9	2.7	93.5	6.6	64	2.4	5.3	6.6	36	0.65	0.073
STD DS8	Standard	12.7	110.5	116.2	310	1.7	37.5	7.4	594	2.66	25.3	2.4	102.7	6.3	62	2.4	5.2	6.0	42	0.65	0.075
STD DS8	Standard	13.3	105.5	110.4	296	1.7	35.4	7.1	587	2.59	24.2	2.5	134.3	6.0	59	2.1	5.2	5.9	43	0.64	0.070
STD DS8	Standard	12.9	102.9	124.5	310	1.8	38.5	7.5	592	2.45	26.8	2.8	110.1	6.6	63	2.3	5.7	6.3	43	0.68	0.080
STD DS8	Standard	13.0	99.0	121.2	307	1.7	37.1	7.2	590	2.43	25.8	2.7	108.8	6.3	63	2.2	5.3	6.2	43	0.65	0.075
STD DS8	Standard	12.6	107.7	116.0	310	1.8	36.4	7.1	604	2.39	27.3	2.7	107.5	6.5	68	2.4	5.9	6.9	42	0.66	0.080
STD DS8	Standard	11.9	97.9	106.6	282	1.6	34.2	6.7	545	2.20	24.5	2.4	97.8	6.0	63	2.3	5.4	6.3	38	0.63	0.075
STD DS8	Standard	12.6	104.2	119.8	300	1.8	36.7	7.6	596	2.36	25.8	2.8	118.1	6.9	72	2.2	5.7	6.6	41	0.68	0.074
STD DS8	Standard	12.8	103.5	116.7	297	1.7	35.8	7.1	603	2.42	26.4	2.8	109.0	7.0	71	2.1	5.9	6.9	41	0.68	0.080
STD DS8	Standard	12.1	104.0	126.4	306	1.7	36.3	7.1	613	2.52	28.1	2.7	98.0	6.8	63	2.4	5.9	6.2	40	0.68	0.085
STD DS8	Standard	12.5	103.5	121.5	307	1.7	36.9	7.2	607	2.54	26.3	2.7	100.9	6.9	66	2.0	5.2	6.2	40	0.68	0.081
STD DS8	Standard	11.7	99.6	112.0	280	1.6	33.6	6.9	538	2.15	22.9	2.5	93.8	6.4	52	2.1	4.3	5.0	40	0.63	0.070
STD DS8	Standard	12.0	102.1	114.9	284	1.6	34.5	7.1	546	2.22	23.7	2.5	98.9	6.2	51	2.0	4.1	5.0	41	0.63	0.071
STD DS8	Standard	13.7	108.1	122.3	306	1.8	38.9	7.8	604	2.45	26.7	2.8	115.5	6.8	65	2.0	5.3	6.0	44	0.72	0.078
STD DS8	Standard	14.1	101.6	125.0	305	1.8	38.2	7.9	617	2.48	26.3	2.7	110.9	7.0	64	2.3	5.2	6.1	43	0.66	0.078
STD DS8	Standard	12.0	106.6	120.1	302	1.7	36.3	7.3	595	2.33	26.8	2.7	121.6	6.6	66	2.4	5.4	6.7	41	0.63	0.080
STD DS8	Standard	11.9	102.4	118.0	288	1.7	35.5	7.1	558	2.28	25.5	2.7	108.9	6.5	61	2.3	5.3	6.3	39	0.63	0.076

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.



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Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000569.1

		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
117442	Soil	20	29	0.50	294	0.055	<1	1.60	0.011	0.07	0.2	0.05	4.0	<0.1	<0.05	5	<0.5	<0.2
REP 117442	QC	20	29	0.49	292	0.054	<1	1.62	0.013	0.07	0.3	0.04	4.0	0.1	<0.05	5	0.6	<0.2
121337	Soil	22	129	1.27	209	0.160	<1	2.28	0.008	0.22	<0.1	0.01	4.5	0.2	<0.05	8	<0.5	<0.2
REP 121337	QC	21	127	1.30	207	0.157	1	2.29	0.008	0.22	<0.1	0.02	4.3	0.2	<0.05	8	<0.5	<0.2
121356	Soil	19	34	0.50	269	0.058	1	1.75	0.008	0.05	0.2	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
REP 121356	QC	20	35	0.52	270	0.057	1	1.72	0.008	0.06	0.1	0.03	4.9	0.1	<0.05	5	<0.5	<0.2
121380	Soil	23	31	0.48	212	0.081	<1	1.53	0.007	0.12	0.4	0.02	3.2	0.2	<0.05	5	<0.5	<0.2
REP 121380	QC	24	31	0.52	221	0.079	<1	1.67	0.008	0.12	0.5	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	108	0.59	274	0.092	<1	0.85	0.083	0.42	3.0	0.20	2.2	5.4	0.16	5	5.1	4.8
STD DS8	Standard	14	112	0.61	288	0.100	<1	0.92	0.093	0.42	3.0	0.20	2.4	5.5	0.14	5	5.3	5.0
STD DS8	Standard	13	107	0.56	257	0.106	2	0.84	0.082	0.37	2.7	0.21	2.0	5.2	0.14	4	4.9	4.5
STD DS8	Standard	14	103	0.57	259	0.106	1	0.85	0.086	0.37	2.8	0.20	1.8	5.2	0.13	4	4.6	4.1
STD DS8	Standard	14	116	0.62	267	0.117	<1	0.89	0.070	0.40	3.0	0.20	1.9	5.2	0.19	4	5.9	4.4
STD DS8	Standard	14	114	0.59	270	0.117	<1	0.85	0.067	0.39	2.9	0.19	1.9	5.2	0.17	5	4.8	5.0
STD DS8	Standard	16	117	0.63	265	0.119	3	0.90	0.086	0.40	3.0	0.20	2.0	5.0	0.21	5	5.3	5.1
STD DS8	Standard	16	114	0.60	268	0.114	2	0.86	0.082	0.39	3.0	0.21	2.0	5.0	0.20	5	5.5	5.0
STD DS8	Standard	14	113	0.60	286	0.125	3	0.87	0.087	0.41	2.8	0.20	1.9	5.1	0.17	4	5.1	4.8
STD DS8	Standard	13	106	0.55	266	0.118	3	0.81	0.078	0.39	2.7	0.16	1.9	4.7	0.17	4	4.6	4.6
STD DS8	Standard	15	115	0.59	286	0.132	2	0.94	0.113	0.44	3.0	0.18	2.3	5.2	0.15	5	4.5	5.3
STD DS8	Standard	16	113	0.59	278	0.129	2	0.94	0.096	0.41	2.9	0.20	2.2	5.1	0.14	5	5.1	4.9
STD DS8	Standard	14	109	0.59	286	0.107	3	0.89	0.089	0.40	3.3	0.18	2.8	5.5	0.20	5	5.5	5.3
STD DS8	Standard	15	109	0.57	296	0.113	3	0.93	0.087	0.41	3.1	0.21	2.7	5.3	0.25	5	5.8	4.7
STD DS8	Standard	14	110	0.55	245	0.106	2	0.81	0.075	0.36	2.6	0.20	1.7	4.4	0.15	4	4.0	5.1
STD DS8	Standard	13	110	0.55	246	0.103	2	0.82	0.076	0.36	2.7	0.17	1.6	4.9	0.14	4	4.3	4.4
STD DS8	Standard	16	117	0.59	278	0.119	3	0.93	0.089	0.42	3.0	0.21	2.2	5.1	0.12	5	5.2	4.8
STD DS8	Standard	16	119	0.61	271	0.116	2	0.95	0.090	0.41	3.1	0.21	1.9	5.1	0.11	5	5.0	5.2
STD DS8	Standard	14	111	0.57	266	0.118	2	0.85	0.080	0.38	2.8	0.18	2.3	5.3	0.17	5	4.7	5.0
STD DS8	Standard	14	108	0.58	271	0.116	3	0.86	0.081	0.39	2.9	0.18	2.2	5.0	0.16	4	5.3	4.7



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Project: Burnham
 Report Date: August 04, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000569.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	13.3	112.2	123.3	317	1.8	38.9	7.7	608	2.49	27.1	2.8	112.3	6.6	72	2.2	5.5	6.6	42	0.68	0.080
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.04	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Burnham

Report Date: August 04, 2011

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000569.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	15	116	0.59	284	0.124	3	0.92	0.099	0.44	2.9	0.21	2.6	5.5	0.12	5	4.9	5.0
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 13, 2011
Report Date: August 04, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000570.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 2011702105809-094117
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

ADDITIONAL COMMENTS



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



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 Report Date: August 04, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
121387	Soil	1.0	17.9	9.9	58	<0.1	17.4	7.4	231	2.32	8.8	1.6	3.9	6.7	19	0.2	0.4	0.4	40	0.24	0.065
121388	Soil	1.0	17.4	9.9	59	<0.1	16.3	7.5	234	2.46	8.8	1.4	2.8	5.5	14	0.2	0.4	0.5	38	0.19	0.067
121389	Soil	1.2	12.6	11.1	57	<0.1	14.6	7.0	252	2.45	9.2	1.3	2.9	5.5	12	0.2	0.3	0.6	37	0.18	0.071
121390	Soil	1.1	12.9	10.2	53	0.1	14.6	6.3	207	2.26	8.9	1.2	0.6	3.1	11	0.1	0.3	0.4	37	0.15	0.059
121391	Soil	1.1	13.0	11.7	47	0.1	12.2	4.6	141	2.00	7.2	1.5	5.2	1.6	11	0.3	0.3	0.5	33	0.13	0.063
121392	Soil	1.1	22.9	10.8	66	<0.1	21.8	8.5	306	2.52	9.1	1.5	2.0	8.9	19	0.2	0.7	0.4	46	0.22	0.060
121393	Soil	1.0	12.9	15.7	51	<0.1	11.3	6.1	374	2.38	3.3	9.0	<0.5	24.0	6	0.2	<0.1	0.5	24	0.26	0.155
121394	Soil	1.2	11.0	14.0	64	<0.1	13.8	8.2	440	3.17	8.0	5.8	0.9	19.1	7	<0.1	0.4	0.5	43	0.18	0.118
121395	Soil	0.9	13.2	17.8	64	<0.1	13.6	7.6	253	3.89	8.1	2.9	0.6	51.4	15	<0.1	0.5	0.4	49	0.19	0.070
121396	Soil	1.0	11.7	13.1	60	<0.1	11.2	6.5	270	3.09	5.5	1.0	0.7	29.0	15	<0.1	0.3	0.3	45	0.20	0.058
121397	Soil	1.2	16.5	13.7	62	<0.1	24.2	10.8	238	3.20	14.1	0.7	0.6	10.4	12	<0.1	0.6	0.3	56	0.10	0.043
121398	Soil	0.6	18.5	14.5	35	<0.1	10.2	5.3	132	2.25	6.6	2.5	0.7	23.0	14	<0.1	0.7	1.3	24	0.20	0.047
121399	Soil	0.9	22.4	12.3	66	<0.1	20.1	8.8	273	3.02	9.0	1.7	4.2	15.0	19	<0.1	0.6	0.3	55	0.20	0.044
121400	Soil	1.1	14.0	12.6	62	<0.1	16.7	9.4	312	3.13	11.0	2.5	2.2	26.8	11	<0.1	0.5	0.3	52	0.10	0.034
121401	Soil	0.9	22.5	14.2	69	<0.1	20.1	9.5	271	3.27	9.1	2.2	1.5	38.1	10	0.1	0.6	0.3	55	0.10	0.028
121402	Soil	0.7	14.8	15.4	56	<0.1	12.5	5.6	204	2.54	12.8	2.7	1.3	28.2	15	<0.1	0.6	0.3	28	0.20	0.050
121403	Soil	0.9	14.2	20.3	79	<0.1	15.1	7.9	294	3.91	7.7	1.2	<0.5	38.5	9	<0.1	0.4	0.4	53	0.12	0.079
121404	Soil	1.2	9.1	19.5	57	<0.1	8.7	4.2	118	2.75	6.0	4.9	2.9	22.5	5	<0.1	0.4	0.5	27	0.11	0.059
121405	Soil	1.0	10.5	13.8	50	<0.1	8.0	4.9	201	2.54	4.5	2.9	2.2	25.9	9	<0.1	0.2	0.4	42	0.11	0.059
121406	Soil	1.3	11.5	17.4	66	<0.1	11.4	7.1	307	3.45	4.0	3.2	<0.5	29.2	8	<0.1	0.2	0.4	42	0.21	0.100
121407	Soil	1.3	11.3	14.7	62	<0.1	16.0	7.7	255	3.33	10.9	1.3	1.8	20.5	11	<0.1	0.6	0.3	52	0.10	0.029
121408	Soil	1.2	16.8	11.6	66	<0.1	16.2	9.7	349	2.51	5.7	9.7	2.8	13.4	25	0.2	0.4	0.4	36	0.42	0.094
121409	Soil	0.9	13.9	19.8	76	<0.1	13.5	7.9	348	3.89	5.2	2.2	0.6	46.3	14	<0.1	0.2	0.3	39	0.31	0.083
121410	Soil	0.8	5.8	13.8	65	<0.1	6.7	5.4	211	2.89	8.6	2.1	<0.5	36.2	12	<0.1	0.6	0.2	30	0.24	0.075
121411	Soil	0.9	15.3	24.8	78	<0.1	10.4	7.6	334	4.07	6.7	2.7	1.5	55.9	13	<0.1	0.5	0.4	39	0.22	0.065
121412	Soil	0.9	12.1	21.1	59	<0.1	15.0	7.0	245	3.07	5.7	1.2	<0.5	29.1	11	<0.1	0.3	0.4	34	0.13	0.029
121413	Soil	0.9	14.3	21.7	72	<0.1	13.6	8.3	287	3.79	5.8	1.4	0.5	33.5	14	<0.1	0.3	0.4	40	0.25	0.099
121414	Soil	1.1	12.2	15.5	66	<0.1	14.9	7.6	258	3.60	5.6	1.7	<0.5	34.7	10	<0.1	0.3	0.6	41	0.20	0.087
121415	Soil	1.0	12.5	24.1	77	<0.1	19.4	8.4	345	3.76	9.1	1.1	0.6	25.2	20	<0.1	0.5	0.3	51	0.27	0.078
121416	Soil	0.7	9.7	16.5	78	<0.1	12.1	7.6	310	3.95	3.7	1.2	<0.5	29.8	22	<0.1	0.2	0.4	41	0.38	0.102

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Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
121387	Soil	22	25	0.43	244	0.069	1	1.38	0.008	0.12	0.3	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
121388	Soil	21	24	0.42	194	0.071	1	1.61	0.007	0.14	0.5	0.02	2.4	0.2	<0.05	6	0.5	<0.2
121389	Soil	22	23	0.39	162	0.069	2	1.51	0.006	0.15	0.5	0.02	2.0	0.2	<0.05	6	0.5	<0.2
121390	Soil	20	23	0.36	163	0.053	<1	1.51	0.006	0.11	0.4	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
121391	Soil	21	21	0.32	146	0.043	<1	1.39	0.006	0.11	0.4	0.03	1.5	0.2	<0.05	6	<0.5	<0.2
121392	Soil	23	27	0.45	257	0.064	1	1.44	0.009	0.09	0.4	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
121393	Soil	48	14	0.26	206	0.070	<1	2.27	0.008	0.19	1.0	<0.01	3.1	0.2	<0.05	9	<0.5	<0.2
121394	Soil	38	19	0.35	130	0.128	1	1.85	0.007	0.31	0.4	0.01	2.2	0.3	0.05	8	<0.5	<0.2
121395	Soil	85	33	0.50	149	0.098	<1	2.14	0.009	0.32	0.3	0.01	4.9	0.4	<0.05	10	<0.5	<0.2
121396	Soil	17	24	0.45	147	0.101	1	2.37	0.008	0.30	0.2	0.01	4.2	0.4	<0.05	9	<0.5	<0.2
121397	Soil	13	31	0.48	217	0.053	1	2.07	0.008	0.12	0.2	0.02	2.8	0.2	<0.05	6	<0.5	<0.2
121398	Soil	37	15	0.25	160	0.019	1	1.21	0.004	0.07	0.2	0.01	2.5	0.1	<0.05	4	<0.5	<0.2
121399	Soil	41	31	0.52	200	0.117	1	1.90	0.012	0.16	0.2	0.03	4.3	0.3	<0.05	7	<0.5	<0.2
121400	Soil	36	28	0.44	164	0.106	2	2.08	0.008	0.19	0.2	0.04	4.0	0.3	<0.05	7	<0.5	<0.2
121401	Soil	33	31	0.48	169	0.133	1	2.30	0.008	0.23	0.2	0.03	3.9	0.4	<0.05	8	<0.5	<0.2
121402	Soil	87	18	0.30	151	0.024	<1	1.35	0.006	0.08	0.2	0.02	3.7	0.2	<0.05	4	<0.5	<0.2
121403	Soil	22	25	0.49	150	0.120	1	2.75	0.007	0.44	0.2	0.02	4.2	0.6	<0.05	10	<0.5	<0.2
121404	Soil	23	12	0.16	87	0.018	<1	1.27	0.006	0.09	0.2	0.01	2.2	0.2	<0.05	5	<0.5	<0.2
121405	Soil	56	18	0.32	95	0.113	<1	1.80	0.009	0.27	0.2	0.02	3.0	0.3	<0.05	10	<0.5	<0.2
121406	Soil	52	22	0.39	101	0.123	<1	1.92	0.009	0.19	0.2	<0.01	2.9	0.2	<0.05	10	<0.5	<0.2
121407	Soil	21	28	0.46	139	0.067	<1	2.19	0.008	0.15	0.2	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
121408	Soil	47	20	0.41	201	0.067	<1	1.38	0.012	0.14	0.4	0.04	3.0	0.2	0.06	5	<0.5	<0.2
121409	Soil	51	21	0.50	74	0.174	<1	2.19	0.009	0.45	0.3	<0.01	4.6	0.5	<0.05	13	<0.5	<0.2
121410	Soil	12	11	0.37	49	0.091	<1	1.66	0.006	0.30	0.2	<0.01	2.7	0.4	<0.05	10	<0.5	<0.2
121411	Soil	93	20	0.48	118	0.045	<1	2.03	0.007	0.25	0.1	0.02	4.1	0.3	<0.05	13	<0.5	<0.2
121412	Soil	21	24	0.46	123	0.013	<1	1.87	0.006	0.09	0.1	<0.01	1.7	0.1	<0.05	9	<0.5	<0.2
121413	Soil	24	21	0.49	146	0.031	<1	2.05	0.010	0.19	0.1	<0.01	2.0	0.1	<0.05	11	<0.5	<0.2
121414	Soil	17	22	0.51	112	0.118	<1	2.42	0.008	0.48	0.3	<0.01	3.6	0.5	<0.05	12	<0.5	<0.2
121415	Soil	15	29	0.50	131	0.038	<1	2.19	0.006	0.11	0.2	<0.01	2.6	0.1	<0.05	9	<0.5	<0.2
121416	Soil	15	23	0.49	151	0.104	<1	2.40	0.006	0.34	0.3	<0.01	3.3	0.4	<0.05	13	<0.5	<0.2

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 Report Date: August 04, 2011

Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
121417	Soil	0.9	11.5	17.4	76	<0.1	11.9	7.6	332	4.20	5.3	0.8	<0.5	35.8	22	<0.1	0.3	0.5	49	0.30	0.091
120358	Soil	1.3	24.4	12.3	54	<0.1	36.7	18.7	339	3.31	8.8	1.2	1.2	6.6	11	0.1	0.5	0.3	55	0.08	0.039
120359	Soil	0.5	31.5	12.9	47	<0.1	30.8	10.5	259	2.65	5.7	1.7	0.8	7.1	40	<0.1	0.3	0.2	46	0.47	0.034
120360	Soil	0.6	59.7	8.6	66	<0.1	88.1	18.9	286	4.13	4.3	1.6	1.2	10.7	25	<0.1	0.2	0.2	75	0.23	0.074
120361	Soil	0.6	41.6	12.3	17	<0.1	31.6	12.4	235	3.62	1.0	1.6	0.7	8.7	67	<0.1	<0.1	0.5	39	0.05	0.035
120362	Soil	0.2	26.7	9.5	68	<0.1	38.8	14.3	427	3.74	1.9	1.8	1.1	13.2	57	<0.1	0.2	0.2	65	0.57	0.083
120363	Soil	0.2	29.6	10.1	62	<0.1	35.8	16.3	494	3.97	1.7	2.7	<0.5	17.1	18	<0.1	<0.1	0.2	52	0.19	0.045
120364	Soil	0.3	44.7	8.7	49	<0.1	66.0	17.5	257	3.83	1.3	1.7	<0.5	11.9	38	<0.1	<0.1	0.2	61	0.30	0.065
120365	Soil	0.8	27.5	8.7	54	<0.1	36.5	13.2	242	3.18	6.2	1.0	2.0	5.8	16	<0.1	0.5	0.2	50	0.15	0.033
120366	Soil	0.4	31.1	8.7	55	<0.1	56.1	16.9	200	4.34	1.9	1.7	0.6	10.7	19	<0.1	<0.1	0.3	47	0.23	0.050
120367	Soil	0.8	25.2	10.8	45	<0.1	36.3	14.6	343	3.81	7.4	1.1	2.0	6.9	8	<0.1	0.4	0.2	54	0.07	0.034
120368	Soil	1.2	28.8	11.2	58	0.1	34.6	11.6	281	3.01	11.3	1.3	2.8	6.3	15	0.1	0.7	0.2	56	0.11	0.027
120369	Soil	0.5	38.8	10.0	65	<0.1	51.4	17.4	185	4.17	4.7	1.4	<0.5	8.2	12	<0.1	0.1	0.2	51	0.14	0.042
120370	Soil	0.4	38.6	9.1	58	<0.1	58.4	19.2	275	4.59	3.6	1.0	<0.5	5.1	16	<0.1	<0.1	0.2	60	0.11	0.048
120371	Soil	1.0	30.2	11.8	34	<0.1	52.9	10.9	251	2.45	9.7	0.3	<0.5	2.0	10	<0.1	0.3	0.2	55	0.13	0.035
120372	Soil	0.8	30.1	9.1	48	<0.1	29.2	9.6	315	2.35	11.4	1.0	1.6	5.5	13	<0.1	0.5	0.2	44	0.13	0.025
120373	Soil	0.4	38.0	9.9	67	<0.1	57.2	21.3	188	4.36	3.6	1.8	<0.5	11.4	51	<0.1	<0.1	0.2	49	0.62	0.056
120374	Soil	0.6	37.4	11.0	89	<0.1	55.6	19.7	227	4.24	5.1	1.2	<0.5	9.4	48	<0.1	0.1	0.1	44	0.55	0.050
120375	Soil	<0.1	30.6	14.0	80	<0.1	44.4	20.5	446	3.27	4.8	1.4	2.5	13.6	367	<0.1	<0.1	0.2	50	1.60	0.026
120376	Soil	1.4	34.3	16.7	67	<0.1	44.5	21.8	324	4.38	8.5	0.9	<0.5	6.9	58	0.2	0.2	0.3	71	0.58	0.030
120377	Soil	0.5	23.0	19.1	70	<0.1	38.5	15.9	413	3.56	8.6	1.0	<0.5	11.6	39	0.2	0.2	0.2	68	0.48	0.038
120378	Soil	0.3	52.9	10.1	74	<0.1	51.6	23.6	514	3.99	5.3	1.2	<0.5	11.5	234	<0.1	<0.1	0.1	65	1.87	0.047
120379	Soil	0.3	28.4	7.9	82	<0.1	45.8	16.7	365	4.54	6.1	1.5	0.9	13.9	222	<0.1	<0.1	0.1	76	1.08	0.032
120380	Soil	0.7	20.9	14.1	64	<0.1	32.6	13.1	288	3.46	10.9	1.2	<0.5	6.4	204	<0.1	0.3	0.2	61	0.69	0.029
119473	Soil	0.9	20.5	10.8	58	<0.1	28.9	10.8	233	2.88	16.2	0.6	2.8	4.6	7	<0.1	0.6	0.2	49	0.08	0.030
119474	Soil	1.1	16.8	11.1	61	<0.1	30.8	11.3	266	3.13	15.0	0.8	<0.5	4.8	10	<0.1	0.5	0.2	50	0.10	0.049
119475	Soil	1.3	12.7	15.0	31	<0.1	15.4	7.8	827	3.08	5.8	0.5	<0.5	2.6	101	<0.1	0.1	0.3	27	0.16	0.076
119476	Soil	1.0	30.5	11.9	59	<0.1	35.0	13.7	214	3.07	13.8	0.5	4.4	3.4	9	<0.1	0.5	0.7	56	0.11	0.026
119477	Soil	0.3	118.9	9.1	34	<0.1	125.6	24.5	262	2.92	4.7	0.4	<0.5	3.7	23	0.1	<0.1	0.3	68	0.93	0.291
119478	Soil	0.8	31.8	8.6	62	<0.1	36.4	14.5	267	3.53	9.8	0.9	<0.5	6.1	14	<0.1	0.3	0.2	55	0.15	0.053

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

Project: Burnham
 Report Date: August 04, 2011

Page: 3 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
121417	Soil	21	23	0.51	140	0.126	<1	2.70	0.008	0.56	0.2	0.01	4.4	0.6	<0.05	13	<0.5	<0.2
120358	Soil	18	42	0.55	159	0.091	1	1.93	0.009	0.24	0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
120359	Soil	27	39	0.57	173	0.098	<1	2.32	0.009	0.21	0.1	0.01	4.4	0.2	<0.05	6	<0.5	<0.2
120360	Soil	29	175	1.75	277	0.265	<1	3.57	0.015	0.80	<0.1	0.01	6.5	0.5	<0.05	12	<0.5	<0.2
120361	Soil	23	42	0.85	211	0.179	<1	2.40	0.028	1.12	<0.1	<0.01	4.6	0.7	0.22	6	0.5	<0.2
120362	Soil	40	61	0.95	269	0.283	<1	2.96	0.012	0.59	<0.1	<0.01	7.3	0.3	<0.05	11	<0.5	<0.2
120363	Soil	22	61	0.88	178	0.233	<1	2.93	0.008	0.47	<0.1	<0.01	4.1	0.2	<0.05	10	<0.5	<0.2
120364	Soil	25	130	1.22	311	0.167	<1	3.09	0.013	0.50	<0.1	<0.01	5.7	0.3	<0.05	10	<0.5	<0.2
120365	Soil	16	39	0.80	167	0.122	<1	2.10	0.010	0.35	0.1	0.02	3.8	0.3	<0.05	6	<0.5	<0.2
120366	Soil	23	49	0.91	119	0.157	<1	2.78	0.008	0.52	<0.1	<0.01	3.3	0.4	<0.05	8	<0.5	<0.2
120367	Soil	16	42	0.80	148	0.116	<1	2.32	0.007	0.39	0.1	0.02	2.9	0.3	<0.05	7	<0.5	<0.2
120368	Soil	20	50	0.58	194	0.072	1	2.06	0.008	0.06	0.2	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
120369	Soil	17	54	1.14	143	0.128	<1	2.75	0.009	0.51	<0.1	<0.01	3.8	0.3	<0.05	9	<0.5	<0.2
120370	Soil	16	69	1.50	224	0.218	<1	3.09	0.016	1.31	<0.1	<0.01	5.6	0.8	<0.05	11	<0.5	<0.2
120371	Soil	8	68	0.45	154	0.060	<1	1.47	0.008	0.03	0.2	<0.01	1.5	0.1	<0.05	6	<0.5	<0.2
120372	Soil	12	36	0.49	176	0.060	<1	1.47	0.008	0.05	0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
120373	Soil	22	60	1.04	200	0.124	<1	3.52	0.008	0.47	<0.1	<0.01	3.8	0.3	<0.05	11	<0.5	<0.2
120374	Soil	18	44	0.95	108	0.085	<1	2.73	0.006	0.11	<0.1	<0.01	2.2	0.2	<0.05	9	<0.5	<0.2
120375	Soil	40	66	1.11	120	0.119	<1	3.66	0.030	0.08	0.1	<0.01	8.1	0.1	<0.05	14	<0.5	<0.2
120376	Soil	11	48	0.84	194	0.057	<1	3.49	0.009	0.09	<0.1	0.01	4.2	0.1	<0.05	14	<0.5	<0.2
120377	Soil	15	70	0.94	205	0.151	<1	2.92	0.014	0.09	0.2	<0.01	4.2	<0.1	<0.05	12	<0.5	<0.2
120378	Soil	31	70	1.33	160	0.208	<1	3.90	0.070	0.58	0.2	0.01	6.4	0.3	<0.05	14	<0.5	<0.2
120379	Soil	50	97	1.76	154	0.252	<1	4.23	0.097	0.81	0.3	0.01	10.2	0.4	<0.05	17	<0.5	<0.2
120380	Soil	17	52	0.70	232	0.109	<1	3.68	0.064	0.16	0.2	0.03	4.2	0.1	<0.05	11	<0.5	<0.2
119473	Soil	10	33	0.51	154	0.064	<1	1.83	0.006	0.08	0.2	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
119474	Soil	11	37	0.58	212	0.085	<1	1.92	0.007	0.24	0.2	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
119475	Soil	12	14	0.16	121	0.015	<1	0.91	0.031	0.11	0.1	0.01	0.9	0.1	0.13	4	<0.5	<0.2
119476	Soil	9	46	0.55	181	0.055	<1	2.17	0.007	0.07	0.2	0.02	2.4	0.3	<0.05	5	<0.5	<0.2
119477	Soil	25	156	1.93	233	0.181	<1	2.04	0.035	0.39	0.1	<0.01	2.5	0.2	<0.05	6	<0.5	<0.2
119478	Soil	14	47	0.70	176	0.109	<1	2.19	0.009	0.28	0.2	0.02	2.9	0.2	<0.05	6	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 4 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method Analyte	1DX15																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
119479	Soil	1.1	23.3	9.8	61	<0.1	26.5	11.1	228	3.38	12.3	0.7	0.6	4.4	18	<0.1	0.4	0.2	48	0.13	0.041
119480	Soil	1.4	39.9	13.0	73	<0.1	32.9	20.7	315	4.56	5.7	1.0	<0.5	4.7	38	<0.1	0.2	0.3	50	0.08	0.078
119481	Soil	1.3	19.3	12.1	53	<0.1	17.3	8.9	143	3.26	7.2	0.6	<0.5	3.9	16	<0.1	0.3	0.2	44	0.07	0.035
119482	Soil	0.6	20.0	7.2	51	<0.1	41.4	15.7	168	3.21	8.8	0.4	0.6	2.9	18	<0.1	0.2	0.1	85	0.47	0.179
119483	Soil	0.8	16.7	11.2	67	<0.1	66.2	15.2	246	3.59	10.3	0.8	<0.5	5.8	16	<0.1	0.3	0.2	57	0.17	0.040
119484	Soil	0.6	29.2	8.2	79	<0.1	43.5	16.7	305	4.12	6.6	0.8	<0.5	7.5	44	<0.1	0.2	0.2	67	0.31	0.020
119485	Soil	0.5	38.4	9.1	71	<0.1	43.0	20.0	367	4.64	4.5	0.7	<0.5	4.3	23	<0.1	<0.1	0.2	71	0.23	0.042
119486	Soil	0.5	22.9	11.5	76	<0.1	39.5	14.6	463	3.59	7.1	1.1	<0.5	10.5	169	<0.1	0.2	0.2	54	1.11	0.038
119487	Soil	0.8	5.4	9.8	22	<0.1	6.6	3.4	159	1.43	7.2	0.3	0.7	3.0	9	<0.1	0.2	0.1	38	0.11	0.014
119488	Soil	1.2	15.3	14.9	69	0.1	23.7	9.9	277	3.24	13.0	0.5	<0.5	4.3	11	0.1	0.6	0.5	62	0.10	0.036
119489	Soil	0.9	19.0	10.7	51	<0.1	24.5	10.5	225	3.28	7.0	1.1	3.4	6.9	15	<0.1	0.2	0.2	43	0.11	0.026
119490	Soil	0.8	18.7	11.5	57	<0.1	23.1	9.5	180	3.31	6.1	1.1	1.7	6.9	14	<0.1	0.2	0.2	43	0.10	0.026
119491	Soil	0.9	22.6	10.0	67	<0.1	27.7	11.6	285	3.86	8.3	1.0	<0.5	6.2	7	<0.1	0.3	0.2	62	0.06	0.037
119492	Soil	0.6	24.4	12.7	115	<0.1	45.0	16.9	500	4.02	6.4	1.0	<0.5	10.6	45	0.1	0.2	0.6	67	0.47	0.031
119493	Soil	0.5	16.9	10.2	39	<0.1	17.8	7.9	329	2.15	8.8	0.6	2.8	3.2	68	<0.1	0.3	0.2	44	0.75	0.028
119494	Soil	0.6	21.4	11.8	61	<0.1	34.1	11.7	298	3.24	10.9	1.2	<0.5	8.8	222	<0.1	0.3	0.2	53	1.07	0.042
119495	Soil	0.9	22.6	10.2	51	<0.1	31.4	11.3	183	2.55	12.1	0.7	0.9	4.8	24	<0.1	0.5	0.2	44	0.25	0.045
119496	Soil	0.8	14.5	11.4	43	<0.1	15.3	7.4	132	2.36	5.9	0.7	7.4	4.6	14	<0.1	0.3	0.3	40	0.12	0.014
119497	Soil	1.0	20.1	12.4	59	<0.1	25.1	9.6	153	3.27	6.7	1.1	1.3	6.2	11	<0.1	0.3	0.4	46	0.06	0.022
119498	Soil	1.5	23.7	13.5	64	<0.1	19.4	8.9	229	4.17	8.4	0.6	3.9	4.1	32	<0.1	0.3	0.4	58	0.08	0.034
119499	Soil	0.8	50.2	9.2	72	<0.1	49.8	18.5	425	4.92	5.3	0.6	0.7	4.5	10	<0.1	0.3	0.3	116	0.17	0.074
119500	Soil	1.0	13.1	9.9	56	<0.1	68.6	13.7	184	2.90	8.5	0.3	4.3	3.0	13	<0.1	0.5	0.3	59	0.16	0.032
119501	Soil	0.4	35.4	7.2	87	<0.1	61.3	24.1	319	5.27	3.8	1.4	0.6	14.1	21	0.1	0.1	0.3	79	0.29	0.069
119502	Soil	0.7	46.2	6.6	60	<0.1	94.5	19.8	157	3.49	5.7	0.4	<0.5	3.8	25	<0.1	0.3	0.1	76	0.50	0.121
119503	Soil	0.9	29.7	10.1	67	<0.1	38.6	14.3	337	4.09	7.2	0.9	4.5	6.3	15	<0.1	0.4	0.4	79	0.19	0.065
119504	Soil	1.0	23.1	10.3	64	0.1	20.2	8.0	242	2.49	8.1	1.5	4.4	5.6	17	0.4	0.5	0.4	45	0.23	0.085
119505	Soil	0.8	17.8	9.0	44	<0.1	17.7	6.7	222	1.92	7.4	0.7	5.3	1.5	17	0.3	0.5	0.2	42	0.19	0.063
119506	Soil	1.0	16.7	13.0	60	<0.1	24.0	10.2	250	3.20	12.6	0.8	2.8	6.3	9	0.2	0.6	0.3	48	0.09	0.036
119507	Soil	0.9	14.9	17.0	73	<0.1	15.5	8.6	383	3.27	7.5	1.5	1.1	9.9	9	<0.1	0.4	0.3	32	0.19	0.086
119508	Soil	1.2	23.2	11.6	59	<0.1	20.8	8.6	269	2.99	10.8	1.3	3.4	2.5	11	0.1	0.6	0.3	55	0.15	0.076

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Page: 4 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
119479	Soil	11	36	0.61	162	0.121	<1	1.99	0.010	0.43	0.1	0.02	2.5	0.3	<0.05	6	<0.5	<0.2
119480	Soil	12	46	0.78	196	0.202	<1	2.46	0.013	0.88	<0.1	<0.01	3.3	0.5	<0.05	8	<0.5	<0.2
119481	Soil	10	28	0.54	142	0.093	<1	1.78	0.010	0.38	<0.1	<0.01	1.9	0.2	<0.05	6	<0.5	<0.2
119482	Soil	11	69	1.32	248	0.180	<1	1.94	0.016	0.38	0.2	<0.01	2.3	0.2	<0.05	7	<0.5	<0.2
119483	Soil	14	110	1.53	193	0.130	<1	2.75	0.009	0.20	0.1	<0.01	3.5	0.2	<0.05	8	<0.5	<0.2
119484	Soil	16	73	1.24	269	0.235	<1	3.50	0.033	0.64	0.2	<0.01	6.5	0.3	<0.05	13	<0.5	<0.2
119485	Soil	12	56	1.01	308	0.205	<1	2.88	0.015	1.07	0.1	0.01	5.3	0.4	<0.05	12	<0.5	<0.2
119486	Soil	24	61	0.88	281	0.121	<1	3.75	0.016	0.15	0.2	<0.01	5.6	<0.1	<0.05	11	<0.5	<0.2
119487	Soil	12	14	0.19	123	0.050	<1	0.88	0.006	0.06	<0.1	0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
119488	Soil	11	38	0.48	130	0.066	<1	2.26	0.006	0.08	0.2	0.02	2.6	0.1	<0.05	7	<0.5	<0.2
119489	Soil	21	34	0.62	207	0.082	<1	2.22	0.010	0.29	0.1	<0.01	2.6	0.3	<0.05	6	<0.5	<0.2
119490	Soil	21	33	0.60	198	0.081	<1	2.20	0.008	0.30	<0.1	<0.01	2.4	0.3	<0.05	7	<0.5	<0.2
119491	Soil	13	54	0.80	234	0.150	<1	2.52	0.014	0.59	0.1	0.01	4.3	0.3	<0.05	10	<0.5	<0.2
119492	Soil	23	62	0.85	344	0.179	<1	3.54	0.027	0.34	0.3	<0.01	6.5	0.3	<0.05	13	<0.5	<0.2
119493	Soil	12	25	0.31	189	0.042	<1	1.55	0.018	0.05	0.2	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
119494	Soil	27	49	0.68	224	0.104	1	3.10	0.086	0.18	0.2	0.02	5.0	0.2	<0.05	9	<0.5	<0.2
119495	Soil	11	33	0.49	276	0.059	<1	1.96	0.010	0.08	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
119496	Soil	13	26	0.38	139	0.050	<1	1.38	0.006	0.10	0.1	0.01	1.8	0.1	<0.05	4	<0.5	<0.2
119497	Soil	15	40	0.54	119	0.101	1	1.82	0.007	0.34	<0.1	0.01	2.5	0.2	<0.05	6	<0.5	<0.2
119498	Soil	9	52	0.74	217	0.126	2	2.16	0.014	0.54	<0.1	0.01	3.7	0.4	0.08	7	0.7	<0.2
119499	Soil	15	103	1.09	205	0.215	1	2.39	0.010	0.63	0.2	0.01	6.7	0.2	<0.05	11	<0.5	<0.2
119500	Soil	9	73	0.72	146	0.065	1	1.85	0.007	0.07	0.1	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2
119501	Soil	29	115	1.51	369	0.363	2	4.57	0.018	1.17	0.5	0.01	12.5	0.5	<0.05	15	<0.5	<0.2
119502	Soil	17	143	1.90	220	0.200	<1	2.24	0.008	0.24	0.1	<0.01	1.9	0.2	<0.05	7	<0.5	<0.2
119503	Soil	11	59	0.90	290	0.176	1	2.42	0.008	0.47	0.1	<0.01	5.0	0.2	<0.05	9	<0.5	<0.2
119504	Soil	21	25	0.38	183	0.050	1	1.28	0.006	0.07	0.3	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
119505	Soil	15	20	0.29	184	0.044	1	1.04	0.006	0.05	0.2	0.01	1.5	<0.1	<0.05	4	0.8	<0.2
119506	Soil	12	29	0.39	139	0.043	1	2.00	0.006	0.06	0.2	0.06	2.2	0.1	<0.05	5	<0.5	<0.2
119507	Soil	29	20	0.36	88	0.034	1	1.71	0.005	0.14	0.2	0.02	2.1	0.2	<0.05	6	0.6	<0.2
119508	Soil	21	29	0.42	158	0.044	1	1.67	0.006	0.05	0.2	0.05	2.7	0.2	<0.05	5	<0.5	<0.2

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 Report Date: August 04, 2011

Page: 5 of 12 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
119509	Soil	1.1	9.1	12.1	33	<0.1	6.8	3.0	139	1.67	6.4	0.5	2.6	0.7	7	<0.1	0.4	0.3	55	0.07	0.037
119510	Soil	0.9	23.8	11.3	62	<0.1	21.1	10.1	334	3.07	9.2	1.3	3.7	7.2	12	0.1	0.5	0.2	50	0.14	0.043
119511	Soil	1.0	14.0	12.1	40	<0.1	9.6	5.7	205	3.02	4.5	1.6	4.7	1.0	7	0.2	0.3	0.4	35	0.10	0.080
119512	Soil	1.6	13.3	13.7	56	<0.1	16.2	7.8	268	3.30	9.7	1.1	1.4	8.6	8	<0.1	0.6	0.3	58	0.09	0.048
119513	Soil	1.5	8.5	15.1	49	<0.1	13.3	7.2	268	3.38	8.8	0.7	<0.5	6.3	9	0.1	0.5	0.3	58	0.09	0.040
119514	Soil	0.7	15.4	17.3	68	<0.1	19.8	10.7	393	3.62	7.5	1.2	<0.5	23.0	10	0.1	0.5	0.3	39	0.13	0.045
119515	Soil	1.0	14.4	12.0	53	<0.1	17.8	7.5	237	2.99	10.2	1.0	1.3	3.6	11	0.1	0.6	0.3	49	0.12	0.050
119516	Soil	1.2	18.9	15.0	53	<0.1	15.4	9.1	280	3.52	8.9	1.8	<0.5	13.0	8	<0.1	0.4	2.8	43	0.09	0.045
119517	Soil	1.2	12.5	14.0	68	<0.1	19.5	8.9	289	3.76	10.0	0.8	<0.5	10.0	9	<0.1	0.6	0.3	55	0.10	0.034
119518	Soil	0.8	7.8	3.6	49	<0.1	46.3	17.7	309	5.13	2.1	2.2	0.6	23.8	3	<0.1	0.2	0.3	40	0.08	0.045
119519	Soil	1.0	8.3	13.7	41	<0.1	13.2	5.8	227	3.40	10.8	0.6	2.8	4.7	7	<0.1	0.5	0.2	60	0.06	0.030
119520	Soil	1.1	8.0	17.3	31	<0.1	6.8	2.7	108	1.67	7.6	0.6	4.7	1.3	7	0.2	0.4	0.3	60	0.06	0.053
119521	Soil	0.9	10.6	12.5	42	<0.1	12.4	4.8	138	2.61	9.0	0.6	<0.5	5.5	9	<0.1	0.4	0.2	56	0.08	0.028
119522	Soil	0.9	7.0	18.7	46	<0.1	10.8	4.8	194	3.42	7.6	1.0	<0.5	1.7	9	<0.1	0.3	0.4	41	0.09	0.047
119523	Soil	1.1	11.9	12.9	48	<0.1	15.8	8.7	293	2.86	9.5	0.9	1.0	2.7	10	0.1	0.5	0.3	46	0.11	0.049
119524	Soil	0.8	12.6	11.2	48	<0.1	13.5	5.2	142	1.95	5.4	1.8	2.4	2.7	13	0.1	0.3	0.3	35	0.17	0.062
119525	Soil	1.1	11.4	13.6	43	<0.1	10.3	5.4	231	2.82	8.7	1.2	<0.5	1.8	8	0.2	0.5	0.3	53	0.08	0.048
120381	Soil	<0.1	36.9	14.8	138	<0.1	48.8	23.5	538	5.98	1.0	1.8	<0.5	10.1	710	0.1	<0.1	0.3	74	2.61	0.102
120382	Soil	1.1	16.7	11.0	58	0.1	17.2	8.4	445	2.83	9.3	3.9	2.7	3.1	5	0.1	0.5	0.5	49	0.13	0.067
120383	Soil	1.8	18.8	17.3	50	0.1	15.7	6.8	391	3.05	8.4	4.7	1.5	0.7	13	0.5	0.4	0.5	54	0.12	0.099
120384	Soil	1.0	14.2	10.9	52	<0.1	14.4	5.7	181	2.46	8.0	4.1	9.5	2.6	10	0.1	0.4	0.4	45	0.13	0.051
120385	Soil	1.1	19.7	12.7	54	<0.1	25.6	8.9	221	3.26	8.1	2.4	4.6	3.1	10	<0.1	0.5	0.4	66	0.10	0.040
120386	Soil	1.3	34.3	15.3	95	<0.1	42.6	14.3	327	4.68	7.5	0.8	1.5	4.1	13	0.2	0.4	0.4	88	0.10	0.044
120387	Soil	1.1	36.5	16.9	73	<0.1	42.1	13.1	304	3.72	6.0	1.3	6.6	6.7	14	0.1	0.3	0.5	65	0.15	0.035
120388	Soil	1.1	50.7	10.9	63	<0.1	33.2	13.6	322	3.29	8.0	1.1	1.7	3.5	19	<0.1	0.6	1.1	69	0.18	0.041
120389	Soil	0.7	27.5	27.7	67	<0.1	31.4	13.0	268	2.96	6.6	0.9	1.3	2.5	92	0.1	0.3	0.8	51	0.33	0.046
120391	Soil	0.7	26.2	7.2	83	<0.1	52.8	20.2	479	6.52	3.5	0.9	<0.5	9.3	31	<0.1	0.1	0.5	84	0.13	0.048
120392	Soil	1.1	23.6	12.6	55	<0.1	25.7	14.6	328	3.76	7.3	0.6	0.8	3.9	8	0.1	0.5	0.5	68	0.07	0.032
120393	Soil	1.2	15.5	10.5	72	<0.1	23.9	21.9	228	4.38	9.5	0.5	1.0	3.0	18	0.2	0.4	0.3	84	0.14	0.039
120394	Soil	0.9	26.4	9.7	86	<0.1	37.1	16.3	659	3.69	5.6	1.2	0.8	8.0	77	0.1	0.3	0.3	56	0.38	0.050

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Page: 5 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	La ppm 1	Cr ppm 1	Mg % 0.01	Ba ppm 1	Ti % 0.001	B ppm 1	Al % 0.01	Na % 0.001	K % 0.01	W ppm 0.1	Hg ppm 0.01	Sc ppm 0.1	Tl ppm 0.1	S % 0.05	Ga ppm 1	Se ppm 0.5	Te ppm 0.2	
119509	Soil	14	17	0.14	52	0.037	<1	1.11	0.004	0.05	0.1	0.03	0.9	0.1	<0.05	7	<0.5	<0.2
119510	Soil	21	30	0.43	202	0.063	2	1.88	0.007	0.10	0.2	0.04	4.1	0.2	<0.05	5	<0.5	<0.2
119511	Soil	18	17	0.33	79	0.039	<1	1.79	0.005	0.18	0.3	0.04	0.8	0.3	<0.05	8	0.8	<0.2
119512	Soil	14	31	0.36	123	0.059	2	2.28	0.005	0.09	0.2	0.03	2.5	0.2	<0.05	6	0.8	<0.2
119513	Soil	13	26	0.31	123	0.036	1	1.78	0.004	0.05	0.2	0.01	1.9	0.1	<0.05	6	<0.5	<0.2
119514	Soil	32	24	0.48	181	0.075	<1	2.44	0.005	0.26	0.1	0.02	2.5	0.4	<0.05	8	<0.5	<0.2
119515	Soil	18	27	0.40	146	0.036	2	1.70	0.005	0.06	0.2	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
119516	Soil	31	26	0.37	125	0.035	2	2.15	0.005	0.11	0.2	0.03	2.5	0.2	<0.05	6	0.6	<0.2
119517	Soil	17	28	0.42	165	0.085	2	2.15	0.006	0.12	0.2	0.03	2.5	0.2	0.06	8	0.9	<0.2
119518	Soil	23	48	0.82	91	0.044	<1	2.31	0.003	0.24	<0.1	0.01	2.5	0.3	0.05	8	<0.5	<0.2
119519	Soil	12	24	0.32	72	0.053	<1	1.55	0.005	0.05	0.2	<0.01	1.7	0.1	0.07	6	0.5	<0.2
119520	Soil	12	16	0.17	62	0.040	2	1.15	0.004	0.04	0.2	0.03	1.0	0.1	0.08	7	<0.5	<0.2
119521	Soil	12	20	0.25	113	0.034	<1	1.50	0.004	0.04	0.2	0.03	1.8	0.1	0.06	6	<0.5	<0.2
119522	Soil	14	21	0.26	85	0.021	<1	1.51	0.005	0.06	0.2	0.05	1.1	0.2	0.10	6	<0.5	<0.2
119523	Soil	17	24	0.35	121	0.035	1	1.55	0.005	0.05	0.1	0.02	1.9	0.1	0.07	5	<0.5	<0.2
119524	Soil	21	20	0.33	95	0.027	<1	1.30	0.005	0.06	0.1	0.04	1.7	0.1	0.09	4	<0.5	<0.2
119525	Soil	24	18	0.24	70	0.045	2	1.60	0.004	0.14	0.1	0.04	1.1	0.2	0.10	7	0.7	<0.2
120381	Soil	29	96	1.37	294	0.268	4	5.96	0.209	0.87	0.4	0.01	10.4	0.5	0.09	18	<0.5	<0.2
120382	Soil	16	24	0.34	161	0.044	2	1.55	0.005	0.08	0.2	0.03	2.2	0.2	0.07	5	0.9	<0.2
120383	Soil	16	23	0.26	167	0.033	2	1.49	0.008	0.08	0.2	0.02	1.4	0.2	0.08	7	<0.5	<0.2
120384	Soil	13	24	0.35	126	0.035	1	1.46	0.006	0.06	0.2	0.04	1.9	0.1	0.05	5	0.8	<0.2
120385	Soil	15	40	0.47	159	0.075	2	1.75	0.006	0.08	0.2	0.02	2.8	0.2	<0.05	7	0.6	<0.2
120386	Soil	11	61	0.93	120	0.178	<1	2.40	0.007	0.11	0.3	0.02	3.3	0.1	<0.05	12	<0.5	<0.2
120387	Soil	18	64	0.92	94	0.153	<1	2.20	0.007	0.10	0.3	0.02	3.2	0.1	<0.05	8	<0.5	<0.2
120388	Soil	15	52	0.76	190	0.119	<1	2.11	0.013	0.15	0.5	0.02	3.7	0.3	<0.05	8	<0.5	<0.2
120389	Soil	14	36	0.48	164	0.073	<1	2.31	0.021	0.09	1.0	0.02	2.9	0.1	<0.05	7	<0.5	<0.2
120391	Soil	15	95	1.40	232	0.437	<1	5.02	0.011	1.38	0.4	0.02	8.0	0.6	<0.05	18	<0.5	<0.2
120392	Soil	13	36	0.57	111	0.088	<1	2.10	0.006	0.24	0.2	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
120393	Soil	9	31	0.91	193	0.154	<1	3.64	0.013	0.07	0.4	0.02	3.3	0.1	<0.05	10	<0.5	<0.2
120394	Soil	21	55	0.80	179	0.168	<1	3.13	0.037	0.25	0.4	0.02	5.5	0.2	<0.05	10	<0.5	<0.2



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Project: Burnham
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Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
120395	Soil			1.0	18.1	13.8	61	<0.1	32.3	11.8	287	2.92	8.0	1.0	1.9	6.3	93	<0.1	0.4	0.5	47	0.46	0.042
120396	Soil			1.3	13.7	11.9	53	<0.1	19.8	9.6	259	3.28	10.5	0.8	1.7	6.2	10	0.1	0.6	0.2	59	0.07	0.035
120397	Soil			1.1	16.8	13.1	60	<0.1	32.1	11.5	291	3.21	8.2	0.9	0.9	5.0	15	0.1	0.4	0.3	60	0.14	0.038
120398	Soil			1.0	18.6	12.9	40	<0.1	21.4	9.1	228	3.41	8.9	0.8	1.1	4.8	10	<0.1	0.5	0.2	63	0.08	0.036
120399	Soil			1.2	13.8	12.0	73	<0.1	19.1	8.6	237	3.32	10.5	0.6	0.9	4.1	12	0.2	0.7	0.3	61	0.08	0.031
120400	Soil			0.8	18.6	12.5	56	<0.1	30.6	13.4	430	3.12	7.0	1.2	0.7	4.8	162	0.2	0.4	0.3	50	0.78	0.065
120401	Soil			0.9	17.6	9.7	50	<0.1	23.0	9.8	237	2.88	8.2	0.9	1.3	5.2	12	<0.1	0.5	0.2	45	0.12	0.034
120402	Soil			0.9	17.2	10.4	51	<0.1	24.5	9.9	266	2.81	6.7	0.9	2.9	3.5	45	0.1	0.4	0.3	50	0.21	0.041
120403	Soil			0.3	58.9	9.1	76	0.1	62.7	24.6	494	3.51	0.6	1.7	<0.5	9.7	13	<0.1	<0.1	0.2	26	0.44	0.096
120404	Soil			0.6	44.3	7.3	38	<0.1	167.6	23.1	274	2.64	5.3	0.5	1.0	1.7	16	<0.1	0.3	0.1	51	0.11	0.038
120405	Soil			0.7	80.7	8.1	43	<0.1	406.5	27.7	218	3.09	5.9	0.5	0.6	3.9	11	<0.1	0.3	0.2	49	0.07	0.017
120406	Soil			0.4	24.8	9.2	62	<0.1	27.3	11.5	252	3.29	1.3	1.9	0.7	11.3	38	<0.1	0.1	0.2	40	0.08	0.025
120407	Soil			0.8	24.9	12.4	81	<0.1	45.6	21.6	372	4.37	6.9	0.9	0.7	10.5	32	0.2	0.4	0.3	63	0.16	0.024
120408	Soil			0.5	24.1	11.3	58	<0.1	33.7	15.8	199	3.04	7.3	0.9	5.8	7.7	32	<0.1	0.4	0.2	49	0.32	0.055
120409	Soil			0.4	30.2	20.7	77	<0.1	40.4	15.9	625	4.64	4.0	2.4	1.1	14.6	504	0.1	0.2	0.6	69	1.33	0.076
120410	Soil			0.4	23.7	8.7	68	<0.1	25.9	10.2	356	3.26	6.3	1.9	3.1	9.0	140	<0.1	0.3	0.2	42	0.63	0.049
120411	Soil			0.2	27.0	11.3	76	0.1	35.8	14.6	532	4.32	2.6	2.0	0.9	10.1	522	<0.1	0.1	0.3	64	2.35	0.071
120412	Soil			0.3	26.5	9.9	58	0.1	26.1	11.2	341	2.75	5.6	1.8	1.6	4.1	268	0.2	0.3	0.3	43	1.98	0.061
120413	Soil			0.7	13.6	9.9	87	<0.1	28.7	13.0	170	3.43	5.9	0.5	1.2	3.9	42	<0.1	0.4	0.2	64	0.17	0.015
120414	Soil			0.8	19.4	13.9	90	<0.1	41.1	17.8	263	4.59	5.6	0.7	0.9	5.0	94	0.1	0.3	0.3	73	0.20	0.024
120415	Soil			0.4	23.6	9.1	95	<0.1	42.9	18.6	430	5.05	3.5	1.5	1.5	10.7	141	<0.1	0.2	0.3	81	0.55	0.028
120416	Soil			0.5	26.2	11.2	109	<0.1	57.7	20.4	894	4.78	5.1	1.1	<0.5	8.5	141	<0.1	0.2	0.3	73	0.33	0.030
120417	Soil			1.0	18.3	13.0	66	<0.1	18.1	8.8	210	3.53	8.2	0.9	0.9	15.9	12	<0.1	0.6	0.4	47	0.13	0.034
120418	Soil			1.3	13.6	12.4	64	<0.1	19.4	8.9	274	3.55	14.9	0.5	2.4	6.9	14	<0.1	0.7	0.3	66	0.12	0.040
120419	Soil			1.1	9.6	10.8	46	<0.1	16.7	8.3	550	3.17	9.4	0.8	<0.5	11.0	17	<0.1	0.4	1.1	55	0.16	0.115
120420	Soil			0.9	15.3	10.5	59	<0.1	18.9	9.2	281	3.05	10.3	1.1	4.6	15.1	15	<0.1	0.6	0.3	53	0.14	0.050
120421	Soil			1.1	13.2	11.8	49	<0.1	19.5	9.4	236	2.92	10.5	0.6	4.6	7.6	17	<0.1	0.6	0.2	54	0.14	0.036
120422	Soil			0.7	16.0	11.0	57	<0.1	20.0	10.4	210	2.65	10.2	1.1	2.9	14.1	12	<0.1	0.6	0.3	51	0.11	0.033
120423	Soil			1.1	8.5	11.6	52	<0.1	14.3	6.5	243	2.86	7.9	0.5	1.0	5.4	12	<0.1	0.5	0.2	64	0.15	0.033
120424	Soil			1.0	13.3	10.1	66	<0.1	18.5	8.5	212	2.86	11.3	0.5	1.2	7.3	10	<0.1	0.5	0.2	56	0.08	0.032

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Page: 6 of 12 Part 2

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
120395	Soil	21	35	0.56	185	0.043	<1	2.49	0.022	0.05	0.3	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
120396	Soil	13	38	0.48	118	0.072	<1	2.28	0.007	0.08	0.2	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
120397	Soil	15	48	0.54	196	0.093	<1	2.42	0.008	0.13	0.2	<0.01	3.1	0.1	<0.05	8	<0.5	<0.2
120398	Soil	13	42	0.59	148	0.085	<1	2.48	0.008	0.23	0.2	0.01	3.6	0.2	<0.05	7	<0.5	<0.2
120399	Soil	12	32	0.47	110	0.075	<1	1.90	0.006	0.11	0.2	0.02	2.4	0.2	<0.05	7	<0.5	<0.2
120400	Soil	20	34	0.38	152	0.067	<1	3.72	0.061	0.07	0.2	0.03	3.2	0.1	<0.05	11	<0.5	<0.2
120401	Soil	14	31	0.52	112	0.073	<1	1.86	0.006	0.10	0.1	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
120402	Soil	17	35	0.50	170	0.072	<1	1.94	0.010	0.07	0.2	0.02	2.8	0.1	<0.05	7	<0.5	<0.2
120403	Soil	39	34	1.00	76	0.092	<1	2.09	0.006	0.35	0.4	<0.01	3.1	0.2	<0.05	6	<0.5	<0.2
120404	Soil	10	205	1.47	100	0.036	<1	1.69	0.004	0.02	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
120405	Soil	12	369	1.47	90	0.084	<1	2.09	0.005	0.09	<0.1	0.02	2.6	0.2	<0.05	5	0.5	<0.2
120406	Soil	34	47	0.86	226	0.170	<1	2.13	0.007	0.63	<0.1	0.01	3.9	0.4	<0.05	7	<0.5	<0.2
120407	Soil	25	52	1.00	248	0.196	<1	3.30	0.013	0.83	0.2	0.02	5.1	0.4	<0.05	10	<0.5	<0.2
120408	Soil	19	42	0.72	168	0.107	<1	2.51	0.013	0.22	0.1	0.02	3.3	0.2	<0.05	7	<0.5	<0.2
120409	Soil	46	79	1.20	352	0.233	<1	5.75	0.212	0.66	0.5	<0.01	8.7	0.4	<0.05	16	<0.5	<0.2
120410	Soil	28	39	0.76	223	0.149	<1	2.61	0.036	0.29	0.2	0.02	4.6	0.2	<0.05	8	<0.5	<0.2
120411	Soil	48	70	1.13	107	0.242	1	4.96	0.143	0.69	0.3	0.03	8.9	0.4	<0.05	15	<0.5	<0.2
120412	Soil	18	41	0.62	152	0.105	2	2.36	0.059	0.19	0.3	0.05	4.2	0.2	0.08	7	<0.5	<0.2
120413	Soil	13	43	0.67	139	0.136	<1	2.86	0.009	0.22	0.1	<0.01	3.4	0.2	<0.05	10	<0.5	<0.2
120414	Soil	16	68	1.15	202	0.222	<1	4.69	0.024	0.72	0.2	0.02	6.2	0.3	<0.05	15	<0.5	<0.2
120415	Soil	38	94	1.36	301	0.328	<1	5.85	0.114	1.19	0.3	0.02	10.6	0.5	<0.05	17	<0.5	<0.2
120416	Soil	22	79	1.16	526	0.269	<1	6.30	0.023	0.68	0.2	<0.01	7.3	0.3	<0.05	18	<0.5	<0.2
120417	Soil	15	24	0.46	214	0.084	<1	2.49	0.009	0.27	0.3	<0.01	3.9	0.4	<0.05	8	<0.5	<0.2
120418	Soil	11	32	0.48	217	0.082	<1	2.52	0.008	0.15	0.2	0.02	2.8	0.2	<0.05	7	<0.5	<0.2
120419	Soil	11	24	0.51	348	0.111	<1	2.55	0.009	0.28	1.3	<0.01	4.1	0.3	<0.05	11	<0.5	<0.2
120420	Soil	30	26	0.48	198	0.096	<1	2.13	0.008	0.24	0.5	0.02	3.6	0.3	<0.05	8	<0.5	<0.2
120421	Soil	14	28	0.47	225	0.056	<1	1.98	0.007	0.08	0.2	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
120422	Soil	21	30	0.47	158	0.048	2	1.88	0.008	0.06	0.2	0.03	3.1	0.1	<0.05	4	<0.5	<0.2
120423	Soil	12	24	0.33	149	0.039	<1	1.75	0.007	0.07	0.1	0.01	2.2	0.1	<0.05	7	<0.5	<0.2
120424	Soil	14	28	0.43	157	0.069	1	2.16	0.006	0.10	0.2	0.01	2.5	0.2	<0.05	6	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 7 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000570.1

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	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001	
120425	Soil		0.8	10.8	10.9	43	<0.1	14.2	6.7	171	2.72	10.2	1.0	1.1	9.9	12	<0.1	0.5	0.2	61	0.12	0.027
120426	Soil		0.7	17.0	11.8	59	<0.1	16.2	7.8	236	2.92	6.6	2.1	0.5	22.6	14	<0.1	0.4	0.3	49	0.20	0.056
120427	Soil		0.9	12.6	11.3	55	<0.1	15.8	7.5	207	2.82	8.0	1.1	1.6	15.3	11	0.1	0.4	0.2	54	0.15	0.032
120428	Soil		0.7	11.0	7.7	52	<0.1	12.4	6.7	196	2.32	5.8	1.4	1.2	16.0	12	<0.1	0.3	0.2	40	0.22	0.059
120429	Soil		1.0	11.0	7.6	46	<0.1	12.3	8.4	415	1.99	6.9	2.3	<0.5	11.2	18	0.2	0.3	0.3	28	0.44	0.120
120430	Soil		0.7	11.4	8.9	50	<0.1	16.3	8.0	211	2.66	6.8	0.8	3.9	17.1	14	<0.1	0.5	0.2	44	0.18	0.028
120431	Soil		0.7	8.5	9.7	54	<0.1	14.8	8.2	268	3.25	5.7	0.8	<0.5	13.9	12	<0.1	0.3	0.2	46	0.23	0.088
120432	Soil		1.3	19.5	11.4	52	<0.1	23.5	10.2	394	2.69	11.4	1.9	2.2	21.1	19	<0.1	0.5	0.2	45	0.25	0.037
120433	Soil		1.1	12.1	11.4	79	<0.1	15.6	10.0	377	4.30	6.4	2.0	<0.5	26.6	15	<0.1	0.3	0.3	54	0.32	0.108
120434	Soil		0.9	10.9	13.2	43	<0.1	15.2	6.4	298	2.23	7.6	3.3	1.1	34.8	21	<0.1	0.4	0.3	37	0.31	0.080
120435	Soil		0.8	20.5	10.2	61	<0.1	22.9	8.7	265	3.17	10.6	1.1	2.2	19.5	19	<0.1	0.5	0.2	51	0.24	0.060
120436	Soil		0.9	17.3	9.7	53	<0.1	20.7	8.3	384	2.67	9.7	1.1	2.9	10.8	18	0.1	0.6	0.2	51	0.20	0.035
120437	Soil		0.4	11.9	11.5	78	<0.1	10.2	6.9	224	3.89	3.5	4.2	<0.5	44.6	21	0.1	0.2	0.2	40	0.41	0.147
120438	Soil		0.6	9.4	10.8	77	<0.1	12.4	8.0	496	4.15	4.4	2.8	<0.5	24.7	20	<0.1	0.2	0.3	48	0.40	0.139
120439	Soil		0.8	7.2	12.1	59	<0.1	9.6	6.0	272	3.12	5.1	2.2	<0.5	20.2	11	<0.1	0.2	0.3	56	0.18	0.091
120440	Soil		0.7	6.6	12.1	51	<0.1	8.2	5.3	263	2.51	4.4	1.6	1.4	14.1	13	0.1	0.2	0.2	53	0.17	0.078
119471	Soil		0.7	26.9	11.4	89	0.1	53.0	15.4	714	2.52	13.1	0.6	2.9	2.5	51	0.2	0.5	0.5	47	0.88	0.060
119472	Soil		0.8	19.4	10.3	54	<0.1	23.5	11.4	273	2.64	12.6	0.8	1.9	5.4	13	<0.1	0.6	0.2	44	0.13	0.037
119526	Soil		1.4	15.8	9.8	95	<0.1	19.6	7.6	248	2.74	9.5	1.6	2.3	7.1	13	0.4	0.5	0.2	76	0.20	0.088
119527	Soil		0.8	20.4	9.6	60	<0.1	21.8	8.7	308	2.68	11.0	1.1	8.9	4.9	16	0.1	0.6	0.2	51	0.20	0.086
119528	Soil		1.5	20.8	10.3	65	<0.1	18.7	7.4	247	2.75	10.8	1.2	1.7	2.3	15	0.2	0.6	0.2	57	0.16	0.068
119529	Soil		1.3	12.3	13.1	52	<0.1	18.6	10.1	382	3.26	11.9	1.1	0.8	6.2	14	0.3	0.4	0.3	50	0.15	0.056
119530	Soil		0.9	16.4	10.4	45	<0.1	16.0	9.3	365	2.22	7.5	1.1	2.3	0.7	11	0.2	0.4	0.2	39	0.13	0.065
119531	Soil		1.0	11.7	15.0	52	0.1	11.3	5.3	177	2.65	8.0	1.5	0.8	5.2	10	<0.1	0.2	0.4	40	0.13	0.059
119532	Soil		1.2	9.5	13.1	52	<0.1	16.8	8.6	279	3.42	12.4	0.9	1.6	7.8	8	0.2	0.4	0.2	45	0.08	0.040
119533	Soil		0.7	10.1	14.0	47	<0.1	14.4	6.5	194	2.59	7.9	1.0	<0.5	6.5	12	0.3	0.3	0.2	45	0.16	0.051
119534	Soil		1.1	6.7	18.3	22	<0.1	7.0	4.2	149	2.16	5.7	0.5	1.2	3.6	11	0.5	0.3	0.2	55	0.09	0.029
119535	Soil		1.1	22.3	9.9	59	<0.1	23.9	9.5	276	2.61	10.9	0.8	1.6	6.1	14	0.1	0.6	0.2	53	0.15	0.051
118441	Soil		0.7	7.9	10.3	31	<0.1	6.4	2.6	100	1.57	3.3	0.9	<0.5	0.8	10	0.2	0.1	0.3	37	0.09	0.060
118442	Soil		0.9	18.3	11.7	65	<0.1	22.5	10.2	349	2.74	12.2	1.0	1.8	9.4	15	0.2	0.6	0.2	44	0.21	0.066

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Project: Burnham
 Report Date: August 04, 2011

Page: 7 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
120425	Soil	20	27	0.36	153	0.075	1	1.81	0.008	0.06	0.2	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
120426	Soil	51	24	0.42	176	0.121	1	2.02	0.010	0.21	1.2	0.02	3.7	0.3	<0.05	8	0.5	<0.2
120427	Soil	18	25	0.42	120	0.105	2	1.96	0.009	0.15	0.3	0.02	3.1	0.3	<0.05	8	<0.5	<0.2
120428	Soil	35	20	0.36	135	0.108	1	1.50	0.008	0.19	0.3	0.02	2.7	0.3	<0.05	6	<0.5	<0.2
120429	Soil	25	13	0.28	191	0.053	2	0.95	0.011	0.11	0.6	<0.01	2.0	0.1	<0.05	4	<0.5	<0.2
120430	Soil	16	25	0.48	153	0.110	2	1.70	0.013	0.23	0.2	<0.01	3.0	0.3	<0.05	7	<0.5	<0.2
120431	Soil	10	20	0.50	159	0.179	<1	2.20	0.010	0.51	0.4	0.01	4.0	0.6	<0.05	11	<0.5	<0.2
120432	Soil	34	28	0.43	236	0.110	1	1.75	0.010	0.29	0.2	0.02	4.6	0.4	<0.05	7	<0.5	<0.2
120433	Soil	16	24	0.58	268	0.251	<1	2.39	0.015	0.92	0.3	0.01	5.2	1.1	<0.05	13	<0.5	<0.2
120434	Soil	84	22	0.38	167	0.028	<1	1.69	0.007	0.14	0.2	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
120435	Soil	21	30	0.48	162	0.131	1	1.95	0.009	0.33	0.3	0.02	4.4	0.4	<0.05	7	<0.5	<0.2
120436	Soil	24	30	0.44	231	0.073	2	1.65	0.010	0.13	0.2	0.03	4.4	0.1	<0.05	5	<0.5	<0.2
120437	Soil	80	18	0.41	160	0.064	1	2.14	0.006	0.38	0.2	0.01	2.8	0.4	<0.05	12	<0.5	<0.2
120438	Soil	21	21	0.44	208	0.195	1	2.55	0.009	0.42	0.3	0.03	4.1	0.5	<0.05	14	<0.5	<0.2
120439	Soil	35	20	0.35	149	0.129	<1	1.80	0.006	0.27	0.2	0.01	3.0	0.4	<0.05	11	<0.5	<0.2
120440	Soil	29	19	0.29	147	0.103	<1	1.51	0.007	0.19	0.2	0.02	2.5	0.4	<0.05	9	<0.5	<0.2
119471	Soil	18	29	0.53	236	0.035	2	1.63	0.015	0.06	0.3	0.05	3.5	<0.1	<0.05	4	<0.5	<0.2
119472	Soil	14	30	0.48	180	0.055	2	1.68	0.008	0.07	0.2	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
119526	Soil	28	27	0.41	154	0.084	1	1.79	0.007	0.16	0.2	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
119527	Soil	21	26	0.46	145	0.058	2	1.56	0.008	0.08	0.2	0.04	2.8	0.1	<0.05	5	<0.5	<0.2
119528	Soil	18	29	0.49	163	0.055	2	1.76	0.008	0.09	0.2	0.04	2.5	0.2	<0.05	6	<0.5	<0.2
119529	Soil	24	27	0.49	164	0.070	1	2.08	0.010	0.13	0.2	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
119530	Soil	18	23	0.37	116	0.030	2	1.34	0.009	0.08	0.1	0.04	0.9	0.1	<0.05	5	<0.5	<0.2
119531	Soil	28	20	0.27	104	0.016	1	1.51	0.005	0.07	0.1	0.03	1.4	0.1	<0.05	6	<0.5	<0.2
119532	Soil	17	28	0.42	84	0.025	<1	2.07	0.005	0.07	0.1	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
119533	Soil	24	25	0.43	129	0.062	1	2.16	0.012	0.11	0.2	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
119534	Soil	15	22	0.18	124	0.047	1	1.74	0.014	0.04	0.1	0.02	1.9	0.2	<0.05	7	<0.5	<0.2
119535	Soil	17	31	0.49	214	0.052	1	1.85	0.011	0.07	0.2	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
118441	Soil	20	12	0.17	101	0.050	<1	1.37	0.008	0.10	0.1	0.02	0.8	0.2	<0.05	10	<0.5	<0.2
118442	Soil	29	26	0.51	147	0.060	2	1.88	0.009	0.13	0.2	0.02	2.6	0.2	<0.05	6	<0.5	<0.2

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Page: 8 of 12 Part 1

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
118443	Soil	0.8	11.5	13.7	52	<0.1	13.1	7.4	296	2.81	8.7	1.1	0.7	6.7	12	0.1	0.4	0.4	46	0.15	0.069
118444	Soil	1.0	17.9	14.3	70	<0.1	19.2	9.9	448	2.85	9.5	1.1	1.5	10.9	12	0.2	0.5	0.2	46	0.18	0.077
118445	Soil	5.9	29.3	15.2	75	<0.1	19.9	10.0	297	2.20	6.6	1.8	1.1	7.1	16	0.2	0.4	0.9	38	0.19	0.074
118446	Soil	5.3	19.9	21.0	77	<0.1	15.3	14.8	723	2.94	10.5	1.1	0.6	3.7	11	0.4	0.4	1.0	55	0.12	0.060
118447	Soil	1.4	22.1	8.0	61	<0.1	19.3	7.6	232	2.19	8.4	1.2	1.9	3.7	14	0.1	0.5	0.3	44	0.16	0.043
118448	Soil	2.3	29.2	8.5	74	0.1	34.3	10.2	307	2.51	11.1	1.9	3.7	2.0	20	0.4	0.5	0.3	51	0.23	0.061
118449	Soil	1.1	16.9	7.9	68	<0.1	19.5	8.6	318	2.22	8.1	1.0	1.5	4.6	15	0.1	0.4	0.3	41	0.21	0.064
118450	Soil	1.8	17.9	8.2	57	<0.1	17.7	6.2	183	2.37	9.9	1.1	0.7	1.6	13	0.2	0.4	0.3	50	0.15	0.048
118451	Soil	2.2	24.8	9.0	73	0.1	23.0	9.3	369	2.35	9.6	1.3	2.2	5.8	17	0.4	0.6	0.3	47	0.25	0.079
118452	Soil	4.8	20.4	8.7	53	0.1	17.5	6.6	223	2.07	8.0	1.3	1.1	3.4	14	<0.1	0.4	0.7	40	0.18	0.057
118453	Soil	1.0	18.4	8.0	56	<0.1	18.1	7.2	222	2.29	8.3	1.1	5.8	3.0	14	<0.1	0.4	0.2	45	0.19	0.066
118454	Soil	1.2	13.9	8.9	54	<0.1	15.0	6.2	243	2.37	8.3	0.9	2.4	1.3	11	<0.1	0.4	0.2	46	0.13	0.055
118455	Soil	1.0	18.3	8.3	53	<0.1	16.8	7.0	258	2.19	7.8	0.8	2.4	2.2	13	0.1	0.5	0.2	44	0.18	0.063
118456	Soil	1.1	16.0	10.7	52	<0.1	14.0	6.0	239	2.40	8.3	0.9	0.7	1.3	11	0.1	0.4	0.3	46	0.14	0.065
118457	Soil	0.9	12.3	9.2	58	<0.1	16.2	6.7	267	2.41	8.6	0.8	2.3	5.6	12	<0.1	0.4	0.2	46	0.18	0.067
118458	Soil	1.1	15.2	10.8	56	0.1	15.4	6.7	267	2.33	7.5	1.2	<0.5	2.8	13	<0.1	0.4	0.3	43	0.16	0.066
118459	Soil	1.0	13.8	10.5	58	<0.1	15.0	6.7	273	2.39	8.2	1.2	2.1	2.5	11	0.1	0.4	0.3	44	0.16	0.067
118460	Soil	1.9	13.7	8.7	58	<0.1	16.0	7.8	317	2.41	9.8	2.0	2.1	4.4	12	<0.1	0.3	0.3	44	0.15	0.055
118461	Soil	1.5	16.7	10.9	52	0.1	14.2	5.4	176	2.38	8.0	3.1	2.2	3.3	13	<0.1	0.3	0.3	51	0.13	0.059
118462	Soil	1.1	13.4	8.2	57	<0.1	14.5	7.0	284	2.45	7.2	1.4	2.2	6.4	13	<0.1	0.3	0.2	44	0.20	0.065
118463	Soil	0.8	10.2	11.1	42	<0.1	10.3	4.4	152	2.03	6.4	1.4	4.0	4.4	11	<0.1	0.2	0.4	44	0.12	0.037
118464	Soil	1.4	9.8	10.3	61	<0.1	12.6	6.3	293	2.45	9.0	1.6	0.6	6.3	11	<0.1	0.3	0.4	43	0.17	0.063
118465	Soil	1.9	16.1	15.6	66	0.2	15.5	6.8	211	2.32	6.3	4.2	3.3	3.6	13	0.1	0.4	0.8	38	0.18	0.083
118466	Soil	1.3	13.2	13.9	51	0.1	11.5	4.7	212	2.07	5.8	3.0	3.4	4.3	12	<0.1	0.2	0.4	36	0.16	0.076
118467	Soil	0.7	27.0	9.7	59	<0.1	23.7	10.0	350	2.63	11.6	1.2	2.5	8.1	16	<0.1	0.7	0.9	47	0.18	0.052
118468	Soil	1.3	14.4	11.4	58	<0.1	16.3	8.6	270	2.92	9.8	1.5	0.7	6.6	14	<0.1	0.5	0.3	58	0.14	0.045
118469	Soil	1.0	21.3	10.3	67	<0.1	19.9	10.6	373	2.66	9.7	1.9	2.3	9.1	15	<0.1	0.5	0.4	48	0.20	0.070
118470	Soil	1.0	12.5	10.1	62	<0.1	16.8	9.2	296	2.77	8.2	1.0	1.8	9.2	12	<0.1	0.4	0.4	50	0.19	0.076
118471	Soil	1.4	12.3	12.5	51	<0.1	9.9	4.5	158	2.52	7.1	1.7	0.9	9.4	9	<0.1	0.3	1.1	51	0.09	0.069
118472	Soil	1.0	19.4	10.8	47	0.1	14.2	6.3	263	2.29	6.5	3.0	1.6	3.2	12	0.5	0.3	0.6	44	0.13	0.066

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Page: 8 of 12 Part 2

CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
118443	Soil	31	24	0.41	143	0.052	1	2.00	0.008	0.14	0.2	0.04	2.3	0.2	<0.05	7	<0.5	<0.2
118444	Soil	38	26	0.47	164	0.048	1	1.95	0.008	0.13	0.2	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
118445	Soil	29	20	0.34	149	0.024	1	1.31	0.006	0.08	0.5	0.01	1.9	0.1	<0.05	4	<0.5	<0.2
118446	Soil	17	20	0.29	119	0.026	<1	1.38	0.006	0.09	0.4	0.02	1.5	0.2	<0.05	5	0.6	<0.2
118447	Soil	18	24	0.45	177	0.046	2	1.30	0.008	0.05	0.5	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
118448	Soil	20	24	0.40	178	0.045	2	1.41	0.010	0.07	0.5	0.02	2.2	0.2	<0.05	5	0.8	<0.2
118449	Soil	19	23	0.44	177	0.053	2	1.25	0.008	0.07	0.3	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
118450	Soil	15	25	0.41	158	0.040	2	1.44	0.008	0.06	0.2	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
118451	Soil	22	24	0.44	158	0.056	1	1.24	0.010	0.07	0.3	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
118452	Soil	20	23	0.41	167	0.040	1	1.31	0.007	0.06	0.6	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
118453	Soil	21	25	0.42	163	0.046	1	1.49	0.007	0.05	0.2	0.05	2.8	0.1	<0.05	4	<0.5	<0.2
118454	Soil	16	24	0.38	125	0.035	2	1.49	0.006	0.06	0.1	0.03	1.6	0.1	<0.05	5	<0.5	<0.2
118455	Soil	18	24	0.39	127	0.043	1	1.39	0.007	0.06	0.2	0.03	2.0	0.1	<0.05	4	0.5	<0.2
118456	Soil	16	23	0.36	107	0.037	1	1.44	0.008	0.07	0.2	0.03	1.5	0.1	<0.05	6	<0.5	<0.2
118457	Soil	17	23	0.42	111	0.056	1	1.44	0.007	0.08	0.3	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
118458	Soil	21	23	0.37	142	0.044	<1	1.49	0.007	0.09	0.2	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
118459	Soil	18	22	0.40	122	0.038	<1	1.55	0.006	0.08	0.2	0.02	1.7	0.2	<0.05	5	<0.5	<0.2
118460	Soil	20	24	0.41	138	0.046	1	1.62	0.007	0.07	0.2	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
118461	Soil	21	25	0.37	167	0.044	<1	1.73	0.007	0.07	0.2	0.04	2.5	0.2	<0.05	6	<0.5	<0.2
118462	Soil	20	23	0.41	133	0.064	<1	1.60	0.007	0.11	0.2	0.01	2.2	0.2	<0.05	5	<0.5	<0.2
118463	Soil	17	21	0.31	121	0.041	<1	1.50	0.006	0.05	0.2	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
118464	Soil	24	21	0.38	107	0.043	1	1.51	0.006	0.07	0.4	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
118465	Soil	31	25	0.35	148	0.034	1	1.66	0.007	0.10	0.2	0.04	2.0	0.2	<0.05	6	0.7	<0.2
118466	Soil	30	19	0.29	134	0.046	1	1.52	0.007	0.12	0.2	0.03	1.8	0.2	<0.05	6	<0.5	<0.2
118467	Soil	24	27	0.48	196	0.070	1	1.58	0.008	0.08	0.2	0.03	4.4	0.1	<0.05	5	<0.5	<0.2
118468	Soil	20	31	0.41	223	0.059	1	1.98	0.007	0.06	0.2	0.03	3.8	0.1	<0.05	6	0.5	<0.2
118469	Soil	23	27	0.47	215	0.055	<1	1.85	0.008	0.07	0.2	0.03	3.5	0.2	<0.05	5	<0.5	<0.2
118470	Soil	19	25	0.43	153	0.070	1	1.89	0.009	0.08	0.2	0.01	2.7	0.2	<0.05	6	<0.5	<0.2
118471	Soil	22	19	0.25	102	0.065	<1	1.75	0.007	0.12	0.2	0.01	1.9	0.3	<0.05	9	<0.5	<0.2
118472	Soil	23	20	0.27	205	0.044	<1	1.55	0.007	0.08	0.2	0.02	1.9	0.1	<0.05	6	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 9 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
118473	Soil	0.5	24.6	16.4	44	<0.1	9.9	6.9	259	2.85	3.9	3.9	<0.5	30.5	10	<0.1	0.2	0.6	31	0.20	0.070
118474	Soil	0.9	17.1	9.2	59	<0.1	21.5	10.7	297	2.95	10.1	1.0	2.6	12.0	10	<0.1	0.6	0.2	52	0.10	0.031
118475	Soil	1.2	18.0	8.9	53	<0.1	18.6	7.1	221	2.87	10.5	0.8	3.4	8.1	13	<0.1	0.6	0.3	62	0.13	0.036
118476	Soil	1.3	27.0	9.1	54	<0.1	19.8	9.4	245	3.42	5.6	1.8	<0.5	26.6	10	<0.1	0.4	2.6	42	0.11	0.046
118477	Soil	1.3	16.9	9.5	46	0.1	15.2	6.1	178	3.17	7.1	1.6	1.3	8.5	11	<0.1	0.5	0.3	58	0.10	0.059
118478	Soil	0.7	25.0	8.5	64	<0.1	25.1	11.0	326	2.80	8.9	2.3	6.2	9.5	24	<0.1	0.5	0.2	57	0.28	0.061
118479	Soil	0.7	16.1	8.9	50	<0.1	21.7	8.8	245	3.23	10.4	1.9	2.0	15.9	10	<0.1	0.6	0.2	59	0.09	0.026
118480	Soil	0.9	11.7	9.4	53	<0.1	18.6	9.5	225	2.87	10.2	0.9	2.7	10.1	10	0.1	0.6	0.3	49	0.10	0.042
118481	Soil	0.8	20.0	7.9	52	<0.1	19.9	9.8	315	2.37	11.0	1.1	1.5	5.4	13	<0.1	0.4	0.2	43	0.17	0.069
118482	Soil	0.8	16.3	8.4	61	<0.1	19.3	9.2	230	3.01	10.3	0.9	0.9	18.5	8	0.2	0.6	0.3	52	0.08	0.017
118483	Soil	0.6	19.4	8.7	51	<0.1	18.0	8.0	204	2.50	11.0	1.1	2.2	14.7	8	<0.1	0.5	0.3	43	0.07	0.018
118484	Soil	0.8	28.5	14.3	43	<0.1	12.5	6.9	165	3.03	7.2	2.0	1.5	25.3	5	<0.1	0.1	1.3	40	0.06	0.046
118485	Soil	0.6	17.9	6.4	34	0.1	12.4	6.3	194	2.38	9.4	1.6	5.2	7.8	11	0.2	0.5	4.9	49	0.09	0.020
118486	Soil	0.8	19.4	10.2	56	<0.1	15.3	7.7	262	2.80	8.7	2.3	2.2	19.6	8	0.2	0.6	0.5	46	0.08	0.033
118487	Soil	0.8	11.0	8.3	43	<0.1	13.3	5.4	148	2.30	8.1	0.9	1.7	11.6	8	0.3	0.6	0.4	49	0.08	0.020
118488	Soil	0.5	11.0	8.0	67	<0.1	10.0	7.7	291	3.47	4.4	2.1	0.7	37.2	8	0.3	0.4	0.6	45	0.21	0.091
118489	Soil	0.6	12.5	11.4	78	<0.1	14.3	9.1	283	3.95	7.0	1.6	<0.5	34.3	8	<0.1	0.3	0.4	54	0.06	0.022
118490	Soil	0.5	14.7	12.9	84	<0.1	14.9	9.9	325	4.44	6.9	2.1	<0.5	51.5	10	<0.1	<0.1	0.4	54	0.07	0.019
118491	Soil	0.3	8.6	7.2	48	<0.1	8.3	5.8	201	2.68	3.7	2.3	0.8	31.1	11	<0.1	<0.1	0.2	33	0.15	0.047
118492	Soil	1.2	8.5	10.1	51	<0.1	14.3	8.7	231	2.84	9.3	0.6	<0.5	7.2	8	<0.1	0.3	0.2	57	0.07	0.043
118493	Soil	1.1	19.8	10.3	48	<0.1	21.0	12.9	314	2.85	10.7	1.6	3.5	20.1	12	<0.1	0.5	0.1	48	0.09	0.041
118494	Soil	0.6	10.5	8.4	53	<0.1	12.3	6.6	183	2.61	4.8	1.9	<0.5	22.3	8	<0.1	0.2	0.1	40	0.11	0.035
118495	Soil	1.0	10.3	8.2	46	<0.1	11.5	5.8	173	2.21	4.6	3.7	0.5	15.0	12	<0.1	0.1	0.1	35	0.21	0.051
118496	Soil	0.6	10.4	7.2	47	<0.1	12.3	5.6	156	2.11	5.0	2.4	2.5	13.7	12	<0.1	0.1	<0.1	35	0.16	0.047
118497	Soil	0.7	8.4	7.7	44	<0.1	12.5	5.8	150	2.19	7.7	1.3	2.1	10.9	11	0.3	0.5	0.4	42	0.13	0.034
118498	Soil	0.8	11.3	8.2	54	<0.1	15.5	7.7	227	2.39	7.6	1.1	1.4	14.6	12	0.2	0.5	0.3	40	0.18	0.053
118499	Soil	0.7	10.4	9.0	44	<0.1	12.5	6.8	177	2.17	6.6	1.1	4.1	14.3	11	<0.1	0.3	0.2	37	0.14	0.042
108423	Soil	1.0	10.1	12.0	42	<0.1	14.2	6.1	197	2.39	8.5	1.3	1.5	6.3	9	0.3	0.5	0.2	45	0.09	0.032
108424	Soil	0.7	10.7	7.9	36	<0.1	13.1	6.0	157	1.87	5.9	0.9	1.4	4.6	10	0.2	0.5	0.3	38	0.10	0.030
108425	Soil	0.9	20.2	10.4	62	<0.1	20.2	8.5	267	2.58	9.0	1.5	1.9	8.9	13	0.3	0.7	0.2	46	0.14	0.040

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Page: 9 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
118473	Soil	143	16	0.36	105	0.035	<1	2.49	0.007	0.16	0.1	<0.01	2.3	0.2	<0.05	9	<0.5	<0.2
118474	Soil	20	28	0.46	147	0.074	1	2.26	0.008	0.11	0.2	0.02	3.4	0.2	<0.05	5	<0.5	<0.2
118475	Soil	18	30	0.46	145	0.075	<1	1.80	0.010	0.08	0.2	0.02	3.1	0.2	<0.05	6	<0.5	<0.2
118476	Soil	23	22	0.53	142	0.090	<1	2.47	0.008	0.26	0.1	0.01	3.3	0.4	<0.05	9	<0.5	<0.2
118477	Soil	30	24	0.34	125	0.089	<1	2.04	0.009	0.18	0.2	0.02	2.5	0.2	<0.05	9	<0.5	<0.2
118478	Soil	26	28	0.59	297	0.087	1	1.87	0.013	0.09	0.2	0.02	4.7	0.1	<0.05	6	<0.5	<0.2
118479	Soil	39	30	0.94	142	0.066	1	2.34	0.007	0.07	0.1	0.02	4.3	0.1	<0.05	8	<0.5	<0.2
118480	Soil	20	26	0.55	121	0.057	2	1.97	0.006	0.09	0.2	0.02	2.3	0.2	0.05	6	<0.5	<0.2
118481	Soil	19	23	0.41	167	0.043	1	1.44	0.006	0.06	0.2	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
118482	Soil	15	27	0.47	152	0.137	1	2.21	0.005	0.22	0.2	0.01	4.0	0.3	<0.05	7	<0.5	<0.2
118483	Soil	22	23	0.44	128	0.083	<1	1.63	0.006	0.13	0.2	0.03	3.8	0.2	<0.05	5	<0.5	<0.2
118484	Soil	60	20	0.34	93	0.014	<1	2.18	0.004	0.07	0.1	0.02	2.2	0.1	<0.05	7	<0.5	<0.2
118485	Soil	30	22	0.38	135	0.050	2	1.52	0.007	0.05	0.1	0.05	3.6	0.2	<0.05	5	<0.5	<0.2
118486	Soil	58	26	0.45	128	0.066	<1	1.89	0.007	0.09	0.1	0.03	5.1	0.1	<0.05	6	<0.5	<0.2
118487	Soil	33	22	0.35	110	0.057	1	1.55	0.005	0.07	0.2	<0.01	2.3	0.1	<0.05	5	<0.5	<0.2
118488	Soil	38	18	0.47	81	0.218	<1	2.25	0.006	0.71	0.4	0.01	4.6	0.7	<0.05	12	<0.5	<0.2
118489	Soil	21	24	0.53	149	0.232	1	2.95	0.006	0.67	0.3	0.01	5.4	0.8	<0.05	13	<0.5	<0.2
118490	Soil	28	26	0.58	186	0.289	<1	3.39	0.008	0.83	0.3	0.01	5.6	1.1	<0.05	14	<0.5	<0.2
118491	Soil	48	16	0.37	95	0.106	<1	1.86	0.005	0.30	0.1	<0.01	3.4	0.3	<0.05	9	<0.5	<0.2
118492	Soil	10	27	0.37	149	0.057	1	2.11	0.005	0.11	0.2	0.01	2.3	0.2	<0.05	6	<0.5	<0.2
118493	Soil	15	33	0.37	194	0.037	1	2.46	0.007	0.05	0.2	0.04	3.1	0.1	<0.05	4	<0.5	<0.2
118494	Soil	48	19	0.39	107	0.083	<1	1.64	0.008	0.15	0.2	0.01	2.5	0.3	<0.05	7	<0.5	<0.2
118495	Soil	53	18	0.35	119	0.076	<1	1.30	0.007	0.13	0.2	0.01	2.6	0.2	<0.05	6	<0.5	<0.2
118496	Soil	41	18	0.37	122	0.073	<1	1.29	0.006	0.12	0.2	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
118497	Soil	19	20	0.34	110	0.049	<1	1.56	0.006	0.08	0.2	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
118498	Soil	18	21	0.41	127	0.084	1	1.56	0.007	0.18	0.2	0.01	2.6	0.3	<0.05	5	<0.5	<0.2
118499	Soil	18	20	0.35	106	0.058	<1	1.37	0.006	0.08	0.2	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
108423	Soil	19	24	0.34	138	0.045	1	1.52	0.006	0.07	0.2	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
108424	Soil	17	22	0.37	127	0.033	1	1.23	0.005	0.04	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
108425	Soil	31	26	0.47	175	0.059	2	1.79	0.007	0.10	0.2	0.03	3.6	0.2	<0.05	5	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 10 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000570.1

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	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
108426	Soil		1.2	28.8	16.5	50	<0.1	16.6	10.8	452	2.60	9.9	1.8	2.5	10.0	12	0.3	0.6	0.5	44	0.11	0.036	
108427	Soil		0.7	23.5	10.5	57	<0.1	18.6	10.4	515	2.55	7.9	1.4	1.9	15.6	13	0.3	0.7	0.4	41	0.15	0.043	
108428	Soil		1.0	14.2	10.4	50	<0.1	15.4	7.4	253	2.56	8.7	1.5	3.3	16.2	9	0.3	0.6	0.4	46	0.11	0.045	
108429	Soil		0.8	12.3	9.6	42	<0.1	13.0	6.2	209	2.16	8.1	1.2	0.8	7.6	8	<0.1	0.3	0.2	40	0.10	0.046	
108430	Soil		1.1	10.1	11.3	58	<0.1	13.1	6.6	254	2.73	6.7	1.0	0.6	8.5	8	<0.1	0.3	0.2	39	0.11	0.054	
108431	Soil		0.9	14.8	10.4	43	<0.1	15.9	6.4	178	2.34	8.9	0.9	1.8	6.2	11	<0.1	0.4	0.2	45	0.11	0.039	
108432	Soil		0.9	18.6	8.7	50	<0.1	17.6	6.9	216	2.27	7.8	0.9	2.1	4.1	13	<0.1	0.3	0.4	44	0.15	0.053	
108433	Soil		0.8	21.6	8.8	52	0.1	17.3	7.3	239	2.19	8.2	1.3	2.8	3.4	15	<0.1	0.4	0.4	41	0.18	0.063	
108434	Soil		0.9	18.5	8.7	50	<0.1	16.2	6.4	201	2.14	7.0	1.5	5.2	3.2	12	<0.1	0.3	0.5	39	0.17	0.065	
108435	Soil		0.9	23.2	9.4	66	0.1	18.0	7.5	276	2.30	6.8	2.6	1.6	5.5	15	0.1	0.4	1.0	39	0.22	0.100	
108436	Soil		0.8	68.8	9.3	42	<0.1	14.0	7.9	209	2.55	6.2	2.1	1.0	10.7	10	<0.1	0.4	3.1	36	0.16	0.061	
108438	Soil		1.1	21.1	10.4	56	<0.1	19.9	8.9	305	2.53	10.6	1.0	2.2	4.3	15	<0.1	0.5	0.3	47	0.17	0.072	
108439	Soil		1.4	21.5	11.0	63	<0.1	19.1	9.2	311	2.87	12.7	1.3	4.0	8.6	12	<0.1	0.6	0.2	50	0.10	0.044	
108440	Soil		1.3	21.7	10.5	62	<0.1	21.5	11.1	329	2.80	10.9	1.2	2.4	8.3	11	<0.1	0.4	0.3	51	0.11	0.044	
108441	Soil		1.3	19.4	11.8	71	<0.1	25.1	9.8	266	3.08	12.6	1.0	2.1	7.4	9	<0.1	0.6	0.3	57	0.09	0.032	
108442	Soil		0.8	12.6	14.0	60	<0.1	15.0	7.3	218	2.81	7.9	1.4	1.2	19.6	8	<0.1	0.4	0.3	35	0.12	0.060	
108443	Soil		1.1	21.2	10.6	61	<0.1	28.0	11.1	197	2.91	12.7	0.8	4.0	7.1	9	0.2	0.6	0.2	53	0.09	0.028	
108444	Soil		1.0	22.0	10.0	61	<0.1	24.5	10.1	237	2.71	13.2	0.8	0.9	7.0	8	<0.1	0.7	0.2	49	0.07	0.022	
108445	Soil		1.7	8.3	6.0	47	<0.1	10.6	6.4	208	4.37	6.8	4.9	<0.5	37.3	5	<0.1	0.3	0.2	29	0.11	0.079	
108446	Soil		1.0	17.8	11.5	56	<0.1	19.0	9.2	246	2.83	11.7	1.2	1.0	7.6	9	0.1	0.5	0.2	53	0.08	0.035	
108447	Soil		1.0	16.2	9.9	58	<0.1	18.4	9.7	335	2.64	9.9	1.3	1.5	11.8	10	<0.1	0.5	0.2	46	0.11	0.040	
108448	Soil		1.1	13.2	9.8	68	<0.1	18.3	8.4	277	2.73	10.1	0.7	5.0	6.5	7	0.1	0.5	0.4	52	0.08	0.039	
108449	Soil		1.3	34.8	11.5	56	<0.1	22.0	14.7	696	2.83	10.7	2.1	1.8	10.5	11	<0.1	0.6	0.2	52	0.10	0.049	
108450	Soil		1.0	14.2	10.0	50	<0.1	16.9	8.9	259	3.01	8.4	1.7	2.3	17.1	10	<0.1	0.4	0.2	47	0.10	0.028	
108451	Soil		0.9	12.3	30.0	41	<0.1	13.8	6.0	161	2.65	9.6	1.0	1.7	6.0	10	1.2	0.4	0.2	50	0.09	0.030	
108452	Soil		0.9	6.1	8.0	34	<0.1	9.2	4.7	219	2.06	5.7	0.6	0.6	7.7	6	<0.1	0.3	0.2	49	0.08	0.041	
108453	Soil		1.2	14.5	10.5	54	<0.1	17.7	7.6	267	2.84	9.9	1.3	0.8	9.8	8	<0.1	0.4	0.3	47	0.08	0.045	
108454	Soil		1.0	12.4	12.7	51	<0.1	21.4	11.3	225	2.86	10.7	0.8	1.7	13.5	8	<0.1	0.6	0.3	44	0.08	0.034	
108455	Soil		0.6	9.5	12.3	47	<0.1	12.5	6.6	171	2.70	4.5	1.3	<0.5	21.8	6	0.2	0.2	0.2	34	0.08	0.031	
108456	Soil		1.2	15.2	11.7	62	<0.1	21.5	9.0	191	3.08	12.0	0.6	<0.5	7.5	10	<0.1	0.6	0.2	57	0.09	0.030	

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Project: Burnham
 Report Date: August 04, 2011

Page: 10 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
108426	Soil	33	26	0.36	168	0.035	1	1.69	0.007	0.06	0.4	0.04	3.5	0.1	<0.05	4	<0.5	<0.2
108427	Soil	36	23	0.44	230	0.065	2	1.55	0.006	0.11	0.2	0.05	4.6	0.2	<0.05	5	<0.5	<0.2
108428	Soil	28	24	0.38	139	0.068	<1	1.70	0.006	0.12	0.2	0.03	3.2	0.2	<0.05	6	<0.5	<0.2
108429	Soil	26	21	0.33	119	0.042	<1	1.39	0.005	0.07	0.1	0.03	2.5	0.1	<0.05	4	<0.5	<0.2
108430	Soil	12	20	0.34	80	0.040	<1	1.61	0.005	0.11	0.2	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
108431	Soil	16	24	0.38	133	0.053	1	1.48	0.006	0.07	0.1	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
108432	Soil	16	25	0.41	155	0.045	<1	1.48	0.006	0.06	0.2	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
108433	Soil	18	22	0.41	185	0.043	1	1.30	0.007	0.06	0.2	0.03	2.5	0.3	<0.05	4	<0.5	<0.2
108434	Soil	21	22	0.39	140	0.038	<1	1.30	0.006	0.06	0.2	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
108435	Soil	30	21	0.41	148	0.040	1	1.27	0.007	0.08	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
108436	Soil	28	18	0.34	112	0.044	<1	1.37	0.005	0.09	0.2	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
108438	Soil	20	26	0.41	210	0.041	1	1.56	0.007	0.07	0.2	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
108439	Soil	20	30	0.49	177	0.052	2	1.88	0.008	0.06	0.2	0.06	4.4	0.1	<0.05	5	0.7	<0.2
108440	Soil	21	30	0.46	175	0.050	2	1.79	0.007	0.06	0.2	0.04	4.1	0.1	<0.05	5	<0.5	<0.2
108441	Soil	13	35	0.52	182	0.064	2	2.22	0.006	0.08	0.2	0.02	3.0	0.1	<0.05	6	0.6	<0.2
108442	Soil	39	21	0.29	122	0.028	1	1.86	0.006	0.12	0.2	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
108443	Soil	12	29	0.48	115	0.050	2	2.15	0.005	0.07	0.2	0.02	2.6	0.1	<0.05	5	0.8	<0.2
108444	Soil	14	29	0.42	111	0.063	3	1.66	0.006	0.07	0.2	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
108445	Soil	21	15	0.30	98	0.086	1	1.63	0.004	0.36	0.2	<0.01	1.7	0.4	<0.05	6	<0.5	<0.2
108446	Soil	18	32	0.41	149	0.054	2	2.05	0.006	0.05	0.2	0.02	3.6	0.1	<0.05	5	<0.5	<0.2
108447	Soil	25	27	0.41	148	0.061	<1	1.65	0.006	0.08	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
108448	Soil	10	27	0.36	138	0.046	<1	1.91	0.005	0.06	0.2	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
108449	Soil	33	30	0.40	182	0.052	2	1.70	0.007	0.05	0.2	0.08	5.8	<0.1	<0.05	4	<0.5	<0.2
108450	Soil	34	27	0.45	153	0.091	1	1.94	0.006	0.17	0.2	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
108451	Soil	18	28	0.34	142	0.054	3	1.68	0.012	0.06	0.2	0.05	3.0	0.1	<0.05	5	<0.5	<0.2
108452	Soil	14	17	0.27	82	0.078	<1	1.18	0.009	0.11	0.2	<0.01	1.5	0.2	<0.05	7	<0.5	<0.2
108453	Soil	25	26	0.38	112	0.055	1	1.79	0.005	0.10	0.2	0.03	2.8	0.1	<0.05	5	0.7	<0.2
108454	Soil	14	29	0.37	130	0.042	<1	2.12	0.005	0.06	0.2	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
108455	Soil	34	17	0.41	140	0.048	<1	1.83	0.004	0.11	0.2	0.01	2.2	0.1	<0.05	7	<0.5	<0.2
108456	Soil	13	28	0.41	149	0.079	1	2.35	0.005	0.12	0.2	0.02	2.6	0.2	<0.05	7	<0.5	<0.2

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Page: 11 of 12 Part 1

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
108457	Soil	1.0	16.9	9.4	61	<0.1	19.8	8.5	222	2.93	9.4	1.2	<0.5	13.4	10	<0.1	0.6	0.2	57	0.12	0.030
104308	Soil	0.6	18.0	7.4	55	<0.1	16.1	6.1	243	2.10	5.5	1.3	3.1	7.0	15	<0.1	0.4	0.2	36	0.28	0.069
104309	Soil	0.8	16.3	8.9	52	<0.1	15.2	7.5	279	2.27	8.4	1.1	2.6	2.9	12	<0.1	0.5	0.2	44	0.18	0.060
104310	Soil	0.7	16.3	8.0	60	<0.1	15.7	6.8	295	2.18	5.9	1.4	2.7	4.7	13	<0.1	0.4	0.2	35	0.22	0.065
104311	Soil	0.8	18.3	9.3	59	<0.1	17.5	7.5	261	2.45	8.6	0.9	8.6	2.7	13	<0.1	0.5	0.2	45	0.18	0.060
104312	Soil	0.8	17.7	8.9	55	<0.1	17.0	8.1	307	2.12	8.2	1.1	5.7	2.7	15	<0.1	0.5	0.2	41	0.18	0.056
104313	Soil	1.0	15.4	9.8	54	<0.1	16.1	5.8	162	2.36	7.0	0.9	2.2	1.0	10	<0.1	0.4	0.2	43	0.10	0.047
104314	Soil	0.8	13.9	9.7	56	<0.1	14.8	7.1	256	2.25	7.7	1.0	3.8	2.7	10	0.1	0.3	0.3	39	0.15	0.062
107358	Soil	0.8	9.9	8.1	47	<0.1	11.9	5.6	228	2.28	6.6	1.7	2.4	10.0	7	<0.1	0.4	0.2	39	0.13	0.053
107359	Soil	0.7	12.5	11.0	55	<0.1	15.3	8.8	246	2.63	8.2	2.8	0.7	11.3	7	<0.1	0.4	0.7	37	0.11	0.062
107360	Soil	0.8	20.8	10.4	55	<0.1	20.2	8.0	287	2.50	8.3	1.5	4.8	11.5	11	<0.1	0.5	0.4	41	0.13	0.037
107361	Soil	0.9	18.8	11.0	58	<0.1	21.2	9.4	267	2.83	10.2	1.6	0.7	11.0	10	<0.1	0.5	0.4	46	0.11	0.031
107362	Soil	1.1	16.0	10.7	42	<0.1	12.1	7.3	334	2.84	8.7	1.6	0.7	9.2	9	<0.1	0.4	0.4	43	0.12	0.056
107363	Soil	0.7	11.8	8.2	44	<0.1	13.3	6.4	205	2.28	5.2	1.0	<0.5	9.1	9	0.1	0.3	0.4	37	0.14	0.057
107364	Soil	0.9	16.1	9.3	48	<0.1	14.0	5.5	187	2.08	5.7	1.6	2.1	3.9	11	0.1	0.4	0.5	39	0.15	0.048
107365	Soil	0.9	18.2	9.4	49	<0.1	17.1	7.5	230	2.34	7.2	1.1	4.0	4.4	11	<0.1	0.4	0.3	43	0.15	0.051
107366	Soil	0.9	16.5	11.1	45	<0.1	13.2	5.5	149	2.49	8.0	1.1	1.7	3.6	12	<0.1	0.4	0.3	49	0.14	0.059
107367	Soil	1.0	19.3	9.8	55	<0.1	21.6	8.9	289	2.71	9.0	1.2	3.1	8.4	10	<0.1	0.5	0.3	44	0.12	0.035
107368	Soil	1.0	19.0	10.3	47	<0.1	17.7	7.1	232	2.50	8.2	1.2	0.6	5.5	9	0.1	0.5	0.4	41	0.11	0.041
107369	Soil	0.7	9.2	13.1	36	<0.1	10.3	4.6	147	2.68	8.9	0.8	7.3	2.8	8	0.2	0.4	0.3	62	0.08	0.040
107370	Soil	0.9	21.9	10.8	56	<0.1	21.6	9.6	267	2.74	10.6	1.0	6.6	8.4	9	0.1	0.7	0.2	44	0.09	0.022
107371	Soil	0.8	9.9	11.8	37	<0.1	12.1	6.5	233	2.76	5.9	2.2	3.1	18.0	6	<0.1	0.3	0.2	26	0.16	0.073
107372	Soil	1.0	13.5	10.5	42	<0.1	17.1	7.3	205	3.00	9.9	0.8	3.5	2.7	10	<0.1	0.6	0.2	50	0.10	0.040
107373	Soil	0.8	9.4	13.2	68	<0.1	7.9	8.0	403	3.52	6.0	3.2	4.0	29.4	5	<0.1	0.3	0.5	24	0.19	0.111
107374	Soil	1.0	13.1	10.9	44	<0.1	15.0	6.3	198	2.56	7.6	2.2	4.3	11.5	10	<0.1	0.4	0.3	45	0.12	0.037
107375	Soil	0.8	15.6	12.1	66	<0.1	12.5	6.7	215	3.30	5.2	2.2	2.1	26.9	8	<0.1	0.3	0.3	20	0.23	0.096
107376	Soil	0.9	18.7	10.2	59	<0.1	23.8	9.4	280	2.71	10.8	1.3	4.5	10.2	10	0.1	0.6	0.2	45	0.10	0.037
107377	Soil	0.7	6.5	10.2	28	<0.1	8.8	3.5	170	1.73	6.5	1.4	1.8	14.3	6	<0.1	0.3	0.2	27	0.12	0.055
107378	Soil	0.6	14.9	9.6	50	<0.1	14.6	8.3	266	2.73	8.1	4.5	2.2	32.6	10	0.1	0.5	0.3	31	0.17	0.077
107379	Soil	0.6	4.8	6.8	20	<0.1	5.9	4.1	209	2.05	2.1	2.7	1.5	25.0	4	0.1	0.1	0.1	19	0.14	0.080

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 Report Date: August 04, 2011

Page: 11 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
108457	Soil	35	28	0.46	133	0.090	<1	1.93	0.005	0.14	0.2	0.03	3.4	0.3	<0.05	6	0.7	<0.2
104308	Soil	22	21	0.37	142	0.061	1	1.15	0.007	0.10	0.2	0.01	2.7	0.2	<0.05	4	0.5	<0.2
104309	Soil	16	23	0.35	160	0.048	<1	1.28	0.006	0.06	0.2	0.03	2.5	0.1	<0.05	4	<0.5	<0.2
104310	Soil	18	21	0.35	131	0.053	<1	1.17	0.006	0.08	0.2	0.03	2.2	0.2	<0.05	4	<0.5	<0.2
104311	Soil	17	25	0.37	162	0.050	1	1.41	0.007	0.07	0.2	0.03	2.5	0.1	<0.05	4	0.6	<0.2
104312	Soil	17	23	0.37	202	0.044	1	1.25	0.008	0.05	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
104313	Soil	12	23	0.36	138	0.032	<1	1.43	0.006	0.06	0.2	0.04	1.7	0.1	<0.05	5	<0.5	<0.2
104314	Soil	16	21	0.34	133	0.045	<1	1.43	0.006	0.08	0.2	0.03	1.9	0.1	<0.05	5	0.5	<0.2
107358	Soil	16	20	0.27	93	0.055	<1	1.47	0.006	0.14	0.3	0.02	1.8	0.3	<0.05	6	<0.5	<0.2
107359	Soil	21	22	0.31	140	0.032	<1	2.22	0.006	0.13	0.8	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
107360	Soil	28	24	0.38	199	0.048	<1	1.64	0.008	0.09	0.5	0.03	3.9	0.2	<0.05	5	0.9	<0.2
107361	Soil	21	28	0.40	161	0.043	<1	1.84	0.006	0.09	1.8	0.04	2.8	0.2	<0.05	5	<0.5	<0.2
107362	Soil	17	23	0.32	110	0.040	1	1.61	0.005	0.09	0.4	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
107363	Soil	16	20	0.32	107	0.063	<1	1.55	0.005	0.12	0.3	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
107364	Soil	21	22	0.31	148	0.047	1	1.43	0.006	0.08	0.9	0.04	2.3	0.2	<0.05	5	<0.5	<0.2
107365	Soil	17	23	0.34	144	0.041	<1	1.63	0.006	0.07	0.5	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
107366	Soil	17	25	0.32	144	0.037	<1	1.58	0.006	0.06	0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
107367	Soil	18	27	0.44	165	0.047	2	1.60	0.006	0.09	0.2	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
107368	Soil	14	25	0.41	117	0.044	2	1.55	0.006	0.09	0.3	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
107369	Soil	13	28	0.31	147	0.039	<1	1.65	0.007	0.04	0.2	0.03	2.1	0.1	<0.05	7	<0.5	<0.2
107370	Soil	15	29	0.48	209	0.044	<1	1.91	0.007	0.06	0.2	0.02	2.4	0.1	<0.05	5	0.6	<0.2
107371	Soil	32	17	0.36	87	0.016	2	1.83	0.007	0.16	0.2	0.02	1.7	0.2	<0.05	8	<0.5	<0.2
107372	Soil	14	30	0.41	161	0.044	<1	1.98	0.008	0.04	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
107373	Soil	42	14	0.28	121	0.043	<1	2.59	0.006	0.37	0.2	0.02	1.7	0.6	<0.05	10	<0.5	<0.2
107374	Soil	37	24	0.41	119	0.040	1	1.67	0.010	0.08	0.3	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
107375	Soil	33	15	0.35	145	0.053	<1	2.37	0.006	0.32	0.2	0.01	2.2	0.5	<0.05	8	<0.5	<0.2
107376	Soil	18	28	0.48	158	0.056	<1	1.89	0.007	0.10	0.2	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
107377	Soil	21	14	0.26	70	0.017	<1	1.41	0.005	0.05	0.4	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
107378	Soil	68	21	0.43	136	0.061	<1	2.02	0.007	0.21	0.3	0.01	2.3	0.3	<0.05	6	<0.5	<0.2
107379	Soil	43	11	0.33	52	0.035	<1	1.39	0.006	0.18	0.5	<0.01	1.4	0.3	<0.05	8	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 12 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000570.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
107380	Soil	1.2	14.5	10.1	49	<0.1	18.2	7.2	193	3.50	13.1	0.7	1.9	6.7	8	0.2	0.6	0.2	59	0.06	0.042
107381	Soil	0.3	14.6	13.6	40	<0.1	5.9	5.2	164	2.63	2.7	3.7	0.7	51.9	7	<0.1	0.1	0.8	12	0.15	0.068
107382	Soil	0.8	12.4	12.0	48	<0.1	15.9	7.1	216	2.69	4.4	1.3	2.6	18.7	6	0.2	0.3	0.2	29	0.10	0.040
107383	Soil	1.4	30.1	11.3	75	<0.1	27.9	10.2	381	3.22	12.8	1.1	2.9	8.6	18	<0.1	1.0	0.2	57	0.15	0.030
107384	Soil	0.5	15.3	9.3	55	<0.1	15.4	7.6	318	2.91	4.7	1.6	3.2	23.0	15	<0.1	0.4	0.2	30	0.20	0.046
107385	Soil	0.8	29.3	11.5	69	0.1	22.4	9.9	416	3.02	9.7	2.1	2.8	12.5	20	0.2	0.6	0.2	48	0.23	0.067
107386	Soil	0.8	16.1	9.7	54	<0.1	16.8	7.9	242	2.62	10.2	1.5	3.0	10.7	11	<0.1	0.5	0.2	36	0.14	0.059
107387	Soil	0.9	24.5	9.7	58	<0.1	21.0	10.3	448	2.69	10.9	1.7	4.5	10.3	13	0.1	0.7	0.2	40	0.15	0.067
107388	Soil	0.4	14.1	13.7	74	<0.1	10.6	6.8	357	3.33	3.0	8.2	0.9	44.9	10	<0.1	0.2	0.4	23	0.35	0.158
107389	Soil	0.8	21.0	11.2	54	0.1	17.9	8.7	400	2.53	9.8	2.8	4.0	14.7	12	0.1	0.5	0.3	39	0.15	0.065
107390	Soil	0.8	19.4	12.2	53	<0.1	16.8	8.5	434	2.53	9.3	2.8	4.0	14.0	12	0.1	0.5	0.4	35	0.15	0.071
107391	Soil	1.4	23.7	13.3	55	<0.1	16.6	7.7	298	2.23	8.2	2.0	7.5	9.6	15	0.1	0.6	1.1	30	0.16	0.070
107392	Soil	0.8	10.6	11.0	40	<0.1	8.9	3.9	209	1.77	5.1	1.5	2.0	2.8	10	0.1	0.2	0.5	28	0.13	0.078
107393	Soil	1.0	15.0	10.8	50	<0.1	13.3	6.5	237	2.41	7.9	2.1	3.6	15.3	12	0.2	0.4	0.6	36	0.15	0.055
107394	Soil	1.2	13.3	11.9	52	<0.1	13.4	5.8	240	2.55	7.8	2.3	3.8	11.6	12	0.1	0.4	0.5	38	0.15	0.057
107395	Soil	0.8	11.3	11.6	51	<0.1	13.9	6.3	260	2.40	8.1	1.8	4.3	7.3	13	0.1	0.3	0.4	36	0.15	0.077
107396	Soil	0.8	15.5	9.9	53	<0.1	15.0	6.7	213	2.36	8.3	1.3	8.0	6.0	13	0.1	0.4	0.2	38	0.18	0.067
107397	Soil	0.8	11.4	9.6	61	<0.1	15.7	8.6	382	2.43	9.2	1.2	4.4	9.5	12	0.1	0.5	0.2	37	0.16	0.069
106001	Soil	1.5	9.7	13.8	51	<0.1	12.3	6.2	282	3.80	11.4	0.5	2.0	3.3	8	0.1	0.5	0.2	64	0.08	0.079
106002	Soil	1.2	11.9	10.8	58	<0.1	16.3	8.8	353	3.30	11.1	1.1	5.0	6.1	7	<0.1	0.6	0.3	51	0.07	0.053



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Page: 12 of 12 Part 2

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WHI11000570.1

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
107380	Soil	13	28	0.43	122	0.059	<1	2.21	0.005	0.09	0.2	0.04	2.6	0.2	<0.05	8	<0.5	<0.2
107381	Soil	112	8	0.25	78	0.030	<1	1.55	0.004	0.27	0.4	<0.01	3.2	0.4	<0.05	7	<0.5	<0.2
107382	Soil	23	18	0.37	96	0.027	<1	1.99	0.007	0.14	0.4	0.02	1.9	0.2	<0.05	7	<0.5	<0.2
107383	Soil	26	37	0.61	265	0.070	<1	1.95	0.010	0.10	0.2	0.05	5.6	0.1	<0.05	6	0.5	<0.2
107384	Soil	53	21	0.48	243	0.089	2	1.87	0.008	0.27	0.2	0.01	3.3	0.3	<0.05	7	<0.5	<0.2
107385	Soil	38	29	0.55	336	0.075	<1	1.91	0.013	0.16	0.3	0.05	4.7	0.2	<0.05	6	0.7	<0.2
107386	Soil	31	23	0.42	128	0.045	4	1.66	0.007	0.09	0.2	0.04	3.1	0.2	<0.05	5	<0.5	<0.2
107387	Soil	31	27	0.46	208	0.047	2	1.69	0.010	0.08	0.3	0.05	3.7	0.1	<0.05	5	0.7	<0.2
107388	Soil	94	14	0.39	124	0.093	<1	2.07	0.007	0.39	0.5	0.01	2.8	0.4	<0.05	11	<0.5	<0.2
107389	Soil	39	24	0.44	142	0.048	<1	1.68	0.008	0.09	0.4	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
107390	Soil	41	22	0.39	136	0.044	1	1.76	0.007	0.09	0.7	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
107391	Soil	31	18	0.37	113	0.033	<1	1.36	0.010	0.08	0.3	0.02	1.7	0.2	<0.05	4	0.6	<0.2
107392	Soil	24	18	0.27	84	0.027	<1	1.24	0.006	0.07	0.6	0.02	1.2	0.1	<0.05	5	<0.5	<0.2
107393	Soil	38	22	0.34	127	0.038	<1	1.63	0.007	0.08	0.5	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
107394	Soil	39	23	0.38	158	0.033	<1	1.66	0.006	0.08	0.6	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
107395	Soil	24	22	0.38	114	0.033	<1	1.56	0.007	0.07	0.4	0.04	2.0	0.2	<0.05	5	<0.5	<0.2
107396	Soil	22	21	0.40	131	0.042	<1	1.52	0.007	0.07	0.4	0.03	2.1	0.1	<0.05	5	<0.5	<0.2
107397	Soil	18	22	0.41	125	0.050	3	1.48	0.007	0.07	0.4	0.01	1.9	0.1	<0.05	5	<0.5	<0.2
106001	Soil	10	29	0.36	118	0.050	<1	2.08	0.009	0.05	0.2	0.04	2.1	0.2	<0.05	7	<0.5	<0.2
106002	Soil	11	26	0.40	128	0.035	2	2.13	0.006	0.08	0.3	0.02	2.0	0.3	<0.05	7	<0.5	<0.2



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Project: Burnham
Report Date: August 04, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000570.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
121390	Soil	1.1	12.9	10.2	53	0.1	14.6	6.3	207	2.26	8.9	1.2	0.6	3.1	11	0.1	0.3	0.4	37	0.15	0.059
REP 121390	QC	1.2	12.8	10.5	52	0.1	14.2	6.4	211	2.28	8.6	1.3	7.9	2.9	11	0.2	0.3	0.5	37	0.15	0.060
121406	Soil	1.3	11.5	17.4	66	<0.1	11.4	7.1	307	3.45	4.0	3.2	<0.5	29.2	8	<0.1	0.2	0.4	42	0.21	0.100
REP 121406	QC	1.0	10.9	16.7	65	<0.1	11.0	6.7	289	3.29	3.7	3.1	<0.5	28.6	8	<0.1	0.2	0.4	40	0.23	0.111
120358	Soil	1.3	24.4	12.3	54	<0.1	36.7	18.7	339	3.31	8.8	1.2	1.2	6.6	11	0.1	0.5	0.3	55	0.08	0.039
REP 120358	QC	1.4	25.5	12.6	57	<0.1	38.8	19.6	358	3.41	9.2	1.3	<0.5	6.7	11	0.2	0.6	0.3	57	0.07	0.040
120369	Soil	0.5	38.8	10.0	65	<0.1	51.4	17.4	185	4.17	4.7	1.4	<0.5	8.2	12	<0.1	0.1	0.2	51	0.14	0.042
REP 120369	QC	0.5	37.0	9.5	63	<0.1	49.3	16.7	167	3.93	5.1	1.5	<0.5	8.6	11	<0.1	0.1	0.2	49	0.14	0.040
119479	Soil	1.1	23.3	9.8	61	<0.1	26.5	11.1	228	3.38	12.3	0.7	0.6	4.4	18	<0.1	0.4	0.2	48	0.13	0.041
REP 119479	QC	1.0	21.8	9.8	59	<0.1	24.7	10.7	216	3.24	11.9	0.7	0.6	4.2	17	<0.1	0.4	0.2	46	0.12	0.041
119508	Soil	1.2	23.2	11.6	59	<0.1	20.8	8.6	269	2.99	10.8	1.3	3.4	2.5	11	0.1	0.6	0.3	55	0.15	0.076
REP 119508	QC	1.1	24.5	11.7	60	<0.1	22.2	8.9	272	3.03	10.5	1.3	6.1	2.4	12	<0.1	0.7	0.3	55	0.16	0.079
119521	Soil	0.9	10.6	12.5	42	<0.1	12.4	4.8	138	2.61	9.0	0.6	<0.5	5.5	9	<0.1	0.4	0.2	56	0.08	0.028
REP 119521	QC	1.0	10.4	12.4	39	<0.1	12.6	4.7	138	2.62	9.1	0.6	1.1	5.3	9	0.2	0.5	0.3	56	0.09	0.028
120399	Soil	1.2	13.8	12.0	73	<0.1	19.1	8.6	237	3.32	10.5	0.6	0.9	4.1	12	0.2	0.7	0.3	61	0.08	0.031
REP 120399	QC	1.2	13.4	11.7	70	<0.1	19.0	8.4	237	3.30	10.1	0.5	0.7	4.1	11	0.1	0.6	0.3	62	0.08	0.030
120409	Soil	0.4	30.2	20.7	77	<0.1	40.4	15.9	625	4.64	4.0	2.4	1.1	14.6	504	0.1	0.2	0.6	69	1.33	0.076
REP 120409	QC	0.5	30.5	20.2	79	<0.1	39.5	15.7	614	4.49	4.4	2.4	1.1	14.5	487	<0.1	0.2	0.5	69	1.34	0.074
120423	Soil	1.1	8.5	11.6	52	<0.1	14.3	6.5	243	2.86	7.9	0.5	1.0	5.4	12	<0.1	0.5	0.2	64	0.15	0.033
REP 120423	QC	1.1	8.6	11.4	53	<0.1	14.2	6.2	239	2.83	8.0	0.5	1.8	5.3	13	<0.1	0.5	0.2	65	0.15	0.034
118441	Soil	0.7	7.9	10.3	31	<0.1	6.4	2.6	100	1.57	3.3	0.9	<0.5	0.8	10	0.2	0.1	0.3	37	0.09	0.060
REP 118441	QC	0.6	8.0	10.4	29	<0.1	6.5	2.4	98	1.54	3.6	0.9	1.1	1.0	9	0.1	0.2	0.3	37	0.09	0.063
118449	Soil	1.1	16.9	7.9	68	<0.1	19.5	8.6	318	2.22	8.1	1.0	1.5	4.6	15	0.1	0.4	0.3	41	0.21	0.064
REP 118449	QC	1.0	17.2	7.6	70	<0.1	20.6	8.5	314	2.20	7.9	1.1	2.6	4.5	14	0.1	0.4	0.3	41	0.21	0.062
118478	Soil	0.7	25.0	8.5	64	<0.1	25.1	11.0	326	2.80	8.9	2.3	6.2	9.5	24	<0.1	0.5	0.2	57	0.28	0.061
REP 118478	QC	0.8	27.1	9.2	65	<0.1	26.4	11.6	346	2.93	9.1	2.3	1.8	9.6	26	<0.1	0.6	0.3	60	0.30	0.062
118494	Soil	0.6	10.5	8.4	53	<0.1	12.3	6.6	183	2.61	4.8	1.9	<0.5	22.3	8	<0.1	0.2	0.1	40	0.11	0.035
REP 118494	QC	0.6	10.5	8.7	52	<0.1	12.1	6.5	182	2.58	4.6	1.9	<0.5	21.6	8	<0.1	0.1	0.1	39	0.12	0.034

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Project: Burnham
 Report Date: August 04, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000570.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
121390	Soil	20	23	0.36	163	0.053	<1	1.51	0.006	0.11	0.4	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
REP 121390	QC	19	23	0.36	160	0.055	1	1.46	0.006	0.11	0.4	0.02	1.8	0.2	<0.05	5	0.5	<0.2
121406	Soil	52	22	0.39	101	0.123	<1	1.92	0.009	0.19	0.2	<0.01	2.9	0.2	<0.05	10	<0.5	<0.2
REP 121406	QC	51	19	0.38	100	0.115	<1	1.82	0.008	0.18	0.2	<0.01	2.8	0.2	<0.05	10	<0.5	<0.2
120358	Soil	18	42	0.55	159	0.091	1	1.93	0.009	0.24	0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
REP 120358	QC	19	42	0.59	164	0.092	1	1.99	0.010	0.24	0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
120369	Soil	17	54	1.14	143	0.128	<1	2.75	0.009	0.51	<0.1	<0.01	3.8	0.3	<0.05	9	<0.5	<0.2
REP 120369	QC	19	52	1.10	141	0.125	2	2.64	0.009	0.50	<0.1	<0.01	3.7	0.4	<0.05	9	<0.5	<0.2
119479	Soil	11	36	0.61	162	0.121	<1	1.99	0.010	0.43	0.1	0.02	2.5	0.3	<0.05	6	<0.5	<0.2
REP 119479	QC	10	35	0.59	160	0.116	<1	1.92	0.010	0.41	0.2	0.01	2.6	0.3	<0.05	6	<0.5	<0.2
119508	Soil	21	29	0.42	158	0.044	1	1.67	0.006	0.05	0.2	0.05	2.7	0.2	<0.05	5	<0.5	<0.2
REP 119508	QC	22	29	0.42	160	0.045	1	1.70	0.006	0.05	0.3	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
119521	Soil	12	20	0.25	113	0.034	<1	1.50	0.004	0.04	0.2	0.03	1.8	0.1	0.06	6	<0.5	<0.2
REP 119521	QC	12	20	0.24	112	0.034	1	1.48	0.004	0.04	0.2	0.04	1.9	0.1	0.06	6	<0.5	<0.2
120399	Soil	12	32	0.47	110	0.075	<1	1.90	0.006	0.11	0.2	0.02	2.4	0.2	<0.05	7	<0.5	<0.2
REP 120399	QC	12	31	0.46	105	0.080	<1	1.87	0.006	0.12	0.2	0.01	2.3	0.2	<0.05	7	<0.5	<0.2
120409	Soil	46	79	1.20	352	0.233	<1	5.75	0.212	0.66	0.5	<0.01	8.7	0.4	<0.05	16	<0.5	<0.2
REP 120409	QC	45	76	1.17	347	0.232	1	5.53	0.210	0.66	0.5	0.01	8.6	0.4	<0.05	15	<0.5	<0.2
120423	Soil	12	24	0.33	149	0.039	<1	1.75	0.007	0.07	0.1	0.01	2.2	0.1	<0.05	7	<0.5	<0.2
REP 120423	QC	13	25	0.34	148	0.049	2	1.79	0.008	0.07	0.2	0.01	2.3	0.1	<0.05	7	<0.5	<0.2
118441	Soil	20	12	0.17	101	0.050	<1	1.37	0.008	0.10	0.1	0.02	0.8	0.2	<0.05	10	<0.5	<0.2
REP 118441	QC	20	12	0.17	105	0.052	1	1.35	0.010	0.10	<0.1	0.02	0.9	0.2	<0.05	10	<0.5	<0.2
118449	Soil	19	23	0.44	177	0.053	2	1.25	0.008	0.07	0.3	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
REP 118449	QC	18	23	0.43	173	0.051	<1	1.25	0.007	0.07	0.3	0.01	2.3	0.1	<0.05	4	<0.5	<0.2
118478	Soil	26	28	0.59	297	0.087	1	1.87	0.013	0.09	0.2	0.02	4.7	0.1	<0.05	6	<0.5	<0.2
REP 118478	QC	27	29	0.62	304	0.096	2	1.97	0.016	0.10	0.2	0.03	5.1	0.2	<0.05	6	<0.5	<0.2
118494	Soil	48	19	0.39	107	0.083	<1	1.64	0.008	0.15	0.2	0.01	2.5	0.3	<0.05	7	<0.5	<0.2
REP 118494	QC	48	19	0.37	104	0.082	1	1.59	0.006	0.15	0.2	<0.01	2.5	0.3	<0.05	6	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000570.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
108426	Soil	1.2	28.8	16.5	50	<0.1	16.6	10.8	452	2.60	9.9	1.8	2.5	10.0	12	0.3	0.6	0.5	44	0.11	0.036
REP 108426	QC	1.1	28.0	14.0	46	<0.1	16.1	10.8	437	2.58	9.2	1.6	2.5	9.8	11	0.1	0.4	0.4	42	0.10	0.034
108453	Soil	1.2	14.5	10.5	54	<0.1	17.7	7.6	267	2.84	9.9	1.3	0.8	9.8	8	<0.1	0.4	0.3	47	0.08	0.045
REP 108453	QC	1.2	14.1	10.1	53	<0.1	17.3	7.9	257	2.78	9.4	1.3	0.8	9.8	8	<0.1	0.4	0.3	46	0.09	0.042
104311	Soil	0.8	18.3	9.3	59	<0.1	17.5	7.5	261	2.45	8.6	0.9	8.6	2.7	13	<0.1	0.5	0.2	45	0.18	0.060
REP 104311	QC	0.7	16.9	8.6	53	<0.1	15.8	6.7	233	2.20	7.8	0.8	2.2	2.5	13	<0.1	0.4	0.2	41	0.17	0.058
107374	Soil	1.0	13.1	10.9	44	<0.1	15.0	6.3	198	2.56	7.6	2.2	4.3	11.5	10	<0.1	0.4	0.3	45	0.12	0.037
REP 107374	QC	0.9	13.0	10.7	47	<0.1	14.8	5.7	200	2.58	8.2	2.3	1.9	11.7	10	<0.1	0.5	0.3	44	0.11	0.041
106002	Soil	1.2	11.9	10.8	58	<0.1	16.3	8.8	353	3.30	11.1	1.1	5.0	6.1	7	<0.1	0.6	0.3	51	0.07	0.053
REP 106002	QC	1.2	11.8	10.0	52	<0.1	15.9	8.6	339	3.27	11.0	1.1	3.6	6.0	8	0.1	0.5	0.2	50	0.07	0.053
Reference Materials																					
STD DS8	Standard	11.8	101.2	125.8	307	1.9	35.5	7.0	590	2.37	26.3	2.9	104.4	7.1	65	2.3	5.8	6.9	38	0.69	0.078
STD DS8	Standard	12.2	103.5	130.9	305	1.8	35.7	7.2	589	2.40	25.9	3.1	106.0	7.4	69	2.3	5.7	7.1	38	0.67	0.081
STD DS8	Standard	11.9	104.6	113.5	317	1.9	36.6	7.3	630	2.50	24.9	2.6	110.7	6.1	63	2.4	5.6	5.9	36	0.66	0.073
STD DS8	Standard	12.3	104.8	115.3	305	1.8	35.4	6.8	600	2.34	24.9	2.5	99.5	6.5	64	2.6	5.2	6.0	34	0.68	0.081
STD DS8	Standard	13.0	113.6	123.2	311	1.8	37.8	7.8	618	2.51	26.7	2.7	121.1	6.6	69	2.4	5.7	6.8	43	0.67	0.081
STD DS8	Standard	12.8	106.7	121.1	307	1.8	36.5	7.0	586	2.34	26.6	2.8	105.0	6.8	68	2.3	5.8	6.8	41	0.66	0.080
STD DS8	Standard	12.9	108.6	121.4	308	1.7	37.5	7.2	602	2.45	26.6	2.8	106.5	6.7	69	2.3	5.9	7.0	42	0.67	0.080
STD DS8	Standard	13.2	106.2	120.7	303	1.8	37.0	7.3	611	2.40	25.9	2.7	99.7	6.7	72	2.5	6.1	7.1	42	0.68	0.082
STD DS8	Standard	12.7	114.9	129.8	308	1.6	40.4	7.7	609	2.65	27.5	2.7	117.3	6.6	60	2.6	5.4	6.6	45	0.67	0.079
STD DS8	Standard	13.8	113.8	126.5	305	1.8	38.6	8.3	616	2.74	26.8	2.8	119.6	6.7	63	2.4	5.4	6.3	44	0.72	0.079
STD DS8	Standard	13.7	110.5	114.3	313	1.8	38.0	7.6	624	2.47	26.8	2.7	106.9	7.0	71	2.5	5.1	6.2	44	0.75	0.078
STD DS8	Standard	13.6	110.9	115.4	310	1.8	38.3	7.8	627	2.52	27.5	2.7	102.1	7.1	73	2.5	5.1	6.3	43	0.75	0.080
STD DS8	Standard	13.8	108.8	124.5	310	1.8	39.9	7.5	622	2.43	29.3	2.7	106.1	6.5	59	2.2	4.6	5.3	43	0.69	0.077
STD DS8	Standard	13.4	107.8	123.9	298	1.8	38.3	7.6	588	2.36	27.9	2.7	117.0	6.6	55	2.2	4.5	5.4	41	0.67	0.077
STD DS8	Standard	12.0	93.6	115.2	291	1.7	34.4	6.8	551	2.24	25.7	2.4	120.0	6.2	56	2.1	4.8	6.0	41	0.60	0.069
STD DS8	Standard	11.8	102.8	111.5	276	1.6	34.4	6.8	547	2.20	23.9	2.4	91.1	6.1	56	2.0	4.6	5.8	39	0.58	0.074
STD DS8	Standard	14.2	109.4	112.7	303	1.7	38.0	7.7	616	2.50	25.9	2.6	111.3	6.5	66	2.3	4.9	6.0	43	0.70	0.079
STD DS8	Standard	14.1	109.5	116.5	310	1.8	38.1	7.7	622	2.48	26.0	2.7	109.0	7.3	71	2.1	5.1	6.2	44	0.73	0.079



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 Val D'Or QC J9P 1S5 Canada

Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000570.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
108426	Soil	33	26	0.36	168	0.035	1	1.69	0.007	0.06	0.4	0.04	3.5	0.1	<0.05	4	<0.5	<0.2
REP 108426	QC	31	25	0.34	161	0.035	2	1.63	0.007	0.05	0.5	0.03	3.2	0.1	<0.05	4	<0.5	<0.2
108453	Soil	25	26	0.38	112	0.055	1	1.79	0.005	0.10	0.2	0.03	2.8	0.1	<0.05	5	0.7	<0.2
REP 108453	QC	24	24	0.36	109	0.053	<1	1.76	0.005	0.09	0.2	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
104311	Soil	17	25	0.37	162	0.050	1	1.41	0.007	0.07	0.2	0.03	2.5	0.1	<0.05	4	0.6	<0.2
REP 104311	QC	16	23	0.35	155	0.045	<1	1.33	0.006	0.06	0.2	0.03	2.4	0.1	<0.05	4	0.6	<0.2
107374	Soil	37	24	0.41	119	0.040	1	1.67	0.010	0.08	0.3	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
REP 107374	QC	39	24	0.41	122	0.041	2	1.65	0.007	0.07	0.5	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
106002	Soil	11	26	0.40	128	0.035	2	2.13	0.006	0.08	0.3	0.02	2.0	0.3	<0.05	7	<0.5	<0.2
REP 106002	QC	12	27	0.39	123	0.038	<1	2.31	0.006	0.08	0.3	0.03	1.9	0.2	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	111	0.62	274	0.104	3	0.89	0.091	0.42	3.0	0.22	1.9	5.3	0.17	4	5.8	5.3
STD DS8	Standard	15	114	0.60	283	0.110	3	0.91	0.094	0.41	2.9	0.21	2.0	5.3	0.16	4	5.1	4.7
STD DS8	Standard	14	113	0.63	265	0.115	2	0.81	0.080	0.47	2.9	0.18	2.1	5.0	0.13	5	3.7	4.8
STD DS8	Standard	13	112	0.60	275	0.110	3	0.96	0.103	0.44	2.8	0.20	2.0	5.0	0.11	5	5.3	4.7
STD DS8	Standard	14	119	0.59	275	0.127	3	0.87	0.091	0.42	2.8	0.19	2.1	5.3	0.20	4	5.4	5.2
STD DS8	Standard	14	113	0.60	265	0.121	3	0.88	0.087	0.41	2.9	0.19	1.9	5.2	0.19	5	4.2	4.7
STD DS8	Standard	14	116	0.61	276	0.126	2	0.89	0.083	0.42	3.0	0.19	2.0	5.3	0.18	5	4.7	5.0
STD DS8	Standard	15	113	0.62	292	0.129	1	0.91	0.090	0.43	2.8	0.21	2.0	5.5	0.16	5	4.4	5.2
STD DS8	Standard	13	126	0.54	276	0.117	4	0.87	0.069	0.41	3.1	0.19	1.9	5.1	0.18	5	4.8	5.3
STD DS8	Standard	14	127	0.56	278	0.118	3	0.91	0.080	0.42	2.8	0.20	2.0	5.5	0.18	4	5.2	5.7
STD DS8	Standard	17	119	0.62	289	0.126	3	0.96	0.096	0.42	2.9	0.22	2.4	5.3	0.15	5	4.6	4.7
STD DS8	Standard	17	120	0.64	301	0.126	3	0.94	0.097	0.43	3.0	0.21	2.5	5.4	0.14	5	4.5	5.0
STD DS8	Standard	14	118	0.60	282	0.110	2	0.91	0.092	0.43	2.9	0.21	1.9	5.3	0.14	5	4.6	5.2
STD DS8	Standard	13	115	0.60	269	0.104	2	0.89	0.089	0.42	2.8	0.18	1.7	5.3	0.11	5	5.8	5.1
STD DS8	Standard	12	106	0.56	246	0.105	3	0.81	0.081	0.37	2.8	0.18	1.8	4.9	0.22	4	4.6	4.6
STD DS8	Standard	13	104	0.53	263	0.101	2	0.82	0.081	0.36	2.7	0.18	1.8	4.6	0.18	4	4.4	4.3
STD DS8	Standard	15	117	0.62	276	0.112	2	0.92	0.095	0.42	2.9	0.20	2.4	5.3	0.16	5	5.3	4.6
STD DS8	Standard	18	118	0.62	298	0.126	3	0.97	0.099	0.43	3.0	0.21	2.4	5.2	0.14	5	4.9	5.1



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Project: Burnham
 Report Date: August 04, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000570.1

		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	12.7	109.1	117.2	299	1.8	37.8	7.3	579	2.36	25.1	2.5	126.2	6.5	61	2.2	5.0	6.2	43	0.69	0.072
STD DS8	Standard	13.4	111.4	118.5	309	1.8	39.8	7.6	613	2.46	26.3	2.6	105.8	6.7	63	2.2	5.3	6.4	43	0.70	0.078
STD DS8	Standard	13.3	112.2	123.3	317	1.8	38.9	7.7	608	2.49	27.1	2.8	112.3	6.6	72	2.2	5.5	6.6	42	0.68	0.080
STD DS8	Standard	12.6	108.4	121.2	297	1.7	35.1	7.0	584	2.36	26.1	2.9	116.4	7.4	68	2.3	5.7	6.7	41	0.67	0.077
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	2.0	<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	0.04	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Burnham

Report Date: August 04, 2011

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000570.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2
STD DS8	Standard	14	116	0.58	272	0.115	3	0.90	0.087	0.40	2.9	0.20	2.2	5.2	0.16	4	5.3	5.3
STD DS8	Standard	15	119	0.61	286	0.119	3	0.89	0.089	0.41	3.1	0.20	2.3	5.3	0.16	5	5.4	5.1
STD DS8	Standard	15	116	0.59	284	0.124	3	0.92	0.099	0.44	2.9	0.21	2.6	5.5	0.12	5	4.9	5.0
STD DS8	Standard	16	111	0.60	280	0.118	2	0.88	0.084	0.41	2.8	0.20	2.1	5.3	0.13	5	4.7	5.1
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 13, 2011
Report Date: August 04, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000571.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 2011702105809-094117
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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: Burnham
 Report Date: August 04, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
106003	Soil	0.9	25.4	10.8	56	<0.1	20.4	7.7	221	2.47	11.3	3.1	5.6	10.2	10	<0.1	0.6	0.3	45	0.10	0.041
106004	Soil	1.5	14.2	13.6	53	0.1	15.7	8.9	350	2.98	10.6	2.0	3.9	7.0	10	0.1	0.5	0.3	64	0.09	0.052
106005	Soil	1.1	23.1	11.9	51	<0.1	19.9	7.9	212	2.64	12.5	1.0	2.8	6.7	10	<0.1	0.7	0.2	53	0.09	0.035
106006	Soil	1.0	13.2	10.5	39	<0.1	13.2	5.0	156	2.09	8.5	2.0	3.5	6.2	9	<0.1	0.4	0.7	41	0.10	0.034
106007	Soil	0.9	20.6	11.9	49	<0.1	18.5	7.2	193	2.46	11.5	3.2	4.6	7.4	10	<0.1	0.5	0.3	49	0.10	0.031
106008	Soil	1.4	13.5	15.9	36	0.3	10.7	4.4	182	1.51	5.2	4.3	1.9	1.5	15	0.1	0.3	0.5	33	0.15	0.048
106009	Soil	1.3	8.4	11.3	36	<0.1	11.2	5.3	515	2.64	10.1	0.8	1.8	3.7	10	<0.1	0.5	0.7	60	0.09	0.061
106010	Soil	1.3	13.6	13.5	69	<0.1	16.1	7.9	247	2.73	10.2	1.3	2.4	6.4	8	0.1	0.5	0.5	58	0.08	0.041
106011	Soil	0.9	8.0	13.9	34	<0.1	6.1	2.5	151	1.54	3.2	0.4	1.5	0.6	9	0.1	0.3	0.4	48	0.07	0.030
106012	Soil	1.1	20.8	12.7	57	<0.1	23.5	9.3	207	2.74	12.7	0.7	1.3	6.9	9	0.1	0.8	0.3	55	0.08	0.031
106013	Soil	1.4	13.0	14.9	53	<0.1	19.3	7.9	414	3.02	12.9	0.7	0.7	8.6	10	<0.1	0.7	0.3	59	0.09	0.041
106014	Soil	0.9	10.4	10.7	53	<0.1	16.5	9.1	354	2.53	10.9	0.7	2.0	5.0	11	0.1	0.5	0.6	49	0.10	0.033
106015	Soil	1.0	10.4	12.9	64	<0.1	15.7	9.3	314	2.77	10.6	0.6	2.1	8.0	11	<0.1	0.6	0.2	52	0.11	0.031
106016	Soil	1.0	14.5	16.5	58	<0.1	18.6	8.2	235	2.63	10.8	0.6	1.7	6.9	8	<0.1	0.6	0.2	56	0.08	0.020
106017	Soil	1.0	19.6	10.6	60	<0.1	24.4	9.7	222	2.54	10.7	0.6	1.3	5.3	10	0.1	0.8	0.2	46	0.11	0.035
106018	Soil	1.0	17.1	14.1	43	<0.1	17.0	8.4	261	2.50	11.7	1.4	3.0	6.0	12	<0.1	0.6	0.2	56	0.10	0.028
103327	Soil	0.8	21.2	9.7	66	<0.1	17.8	8.6	379	2.39	6.3	1.5	0.6	15.0	19	0.3	0.6	0.9	39	0.26	0.082
103328	Soil	1.1	18.9	13.0	56	<0.1	17.4	6.8	216	2.37	7.3	1.5	1.8	2.5	15	0.1	0.5	0.4	45	0.17	0.059
103329	Soil	0.9	16.9	9.8	55	<0.1	17.8	8.0	303	2.34	6.9	1.0	5.4	4.8	16	0.1	0.5	0.4	44	0.19	0.051
103330	Soil	0.6	14.8	9.8	47	<0.1	14.1	6.5	202	2.23	8.3	1.1	4.6	4.5	14	<0.1	0.5	0.3	41	0.16	0.057
103331	Soil	1.5	19.4	18.2	40	<0.1	9.6	5.5	301	2.57	9.4	1.8	0.7	8.3	8	0.1	0.5	0.5	45	0.09	0.055
103332	Soil	0.7	9.2	12.2	40	<0.1	11.7	4.3	130	2.35	8.4	0.7	2.3	4.3	11	0.1	0.4	0.6	44	0.12	0.036
103333	Soil	2.4	18.6	13.6	43	<0.1	12.4	5.8	221	2.35	8.9	1.2	1.9	1.7	15	<0.1	0.5	0.5	49	0.14	0.068
103334	Soil	2.2	16.0	14.2	49	<0.1	15.4	6.8	213	2.77	10.5	1.1	3.6	7.6	13	0.1	0.6	0.6	58	0.11	0.043
103335	Soil	2.5	21.7	14.7	51	<0.1	18.3	7.6	295	2.24	7.0	1.8	1.3	13.8	17	0.2	0.6	0.6	40	0.18	0.049
103336	Soil	1.6	18.4	11.4	52	<0.1	16.6	6.4	211	2.18	6.6	1.5	2.1	8.2	15	<0.1	0.5	0.4	42	0.18	0.052
103337	Soil	1.1	17.0	10.6	47	<0.1	15.2	6.3	175	2.08	7.1	1.0	2.0	3.0	13	<0.1	0.4	0.2	43	0.15	0.056
103338	Soil	0.7	11.2	9.3	51	<0.1	17.0	10.4	340	2.68	6.6	0.8	5.7	11.2	10	0.2	0.5	0.2	40	0.13	0.038
103339	Soil	1.1	15.3	12.7	47	<0.1	16.2	8.6	263	2.60	8.1	1.1	1.5	12.9	10	<0.1	0.5	0.5	50	0.09	0.034
103340	Soil	0.7	15.7	11.0	52	<0.1	17.8	8.4	260	2.58	8.4	1.5	4.1	16.5	14	<0.1	0.4	0.4	42	0.11	0.030

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Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
106003	Soil	19	28	0.42	138	0.032	1	1.78	0.007	0.06	1.6	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
106004	Soil	14	31	0.39	204	0.039	1	1.88	0.009	0.06	0.7	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
106005	Soil	12	28	0.41	140	0.044	<1	1.68	0.006	0.06	0.6	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
106006	Soil	14	22	0.33	111	0.022	<1	1.47	0.005	0.05	0.6	0.02	1.7	0.1	<0.05	5	0.5	<0.2
106007	Soil	13	29	0.44	167	0.038	<1	1.68	0.005	0.05	0.2	0.04	2.5	0.1	<0.05	5	0.5	<0.2
106008	Soil	22	18	0.21	176	0.023	<1	1.11	0.006	0.07	0.6	0.02	1.3	0.1	<0.05	5	0.7	<0.2
106009	Soil	11	20	0.25	116	0.048	<1	1.05	0.005	0.07	0.2	0.02	1.4	0.1	<0.05	7	<0.5	<0.2
106010	Soil	12	26	0.36	139	0.039	<1	1.86	0.006	0.06	0.2	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
106011	Soil	10	15	0.13	98	0.028	<1	1.21	0.005	0.06	<0.1	0.03	0.8	0.2	<0.05	8	<0.5	<0.2
106012	Soil	12	31	0.46	126	0.053	<1	2.22	0.006	0.06	0.2	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
106013	Soil	12	31	0.40	176	0.056	<1	2.25	0.006	0.10	0.2	0.05	2.1	0.2	<0.05	7	<0.5	<0.2
106014	Soil	14	27	0.45	166	0.043	<1	1.79	0.006	0.05	0.2	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
106015	Soil	12	27	0.41	169	0.045	<1	2.16	0.005	0.07	0.1	0.03	2.1	0.2	<0.05	6	<0.5	<0.2
106016	Soil	13	29	0.43	140	0.041	<1	2.11	0.006	0.04	0.2	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
106017	Soil	12	27	0.46	136	0.045	<1	1.83	0.006	0.06	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
106018	Soil	16	31	0.43	184	0.046	<1	1.86	0.007	0.04	0.1	0.05	3.8	0.1	<0.05	5	<0.5	<0.2
103327	Soil	35	21	0.46	238	0.086	1	1.29	0.010	0.15	0.3	0.02	3.0	0.2	<0.05	5	<0.5	<0.2
103328	Soil	23	26	0.44	150	0.044	<1	1.53	0.007	0.09	0.2	0.04	1.8	0.2	<0.05	6	<0.5	<0.2
103329	Soil	21	24	0.45	166	0.056	1	1.44	0.007	0.09	0.2	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
103330	Soil	19	23	0.42	141	0.045	<1	1.46	0.007	0.08	0.1	0.03	2.1	0.1	<0.05	5	<0.5	<0.2
103331	Soil	40	16	0.24	73	0.035	<1	1.21	0.006	0.11	0.2	0.01	1.8	0.2	<0.05	7	<0.5	<0.2
103332	Soil	15	22	0.35	89	0.036	<1	1.47	0.006	0.06	0.2	0.04	1.7	0.1	<0.05	6	<0.5	<0.2
103333	Soil	16	26	0.33	131	0.029	<1	1.51	0.007	0.05	0.2	0.04	1.8	0.1	<0.05	5	<0.5	<0.2
103334	Soil	22	28	0.38	146	0.043	<1	1.81	0.007	0.06	0.2	0.03	2.7	0.1	<0.05	7	0.7	<0.2
103335	Soil	47	22	0.40	193	0.048	<1	1.47	0.007	0.06	0.2	0.04	3.0	<0.1	<0.05	5	<0.5	<0.2
103336	Soil	29	24	0.44	155	0.048	<1	1.43	0.007	0.05	0.2	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
103337	Soil	17	24	0.39	140	0.035	<1	1.49	0.006	0.04	0.2	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
103338	Soil	17	23	0.61	112	0.077	<1	1.98	0.007	0.23	0.5	0.02	2.6	0.3	<0.05	6	0.5	<0.2
103339	Soil	23	24	0.39	136	0.056	<1	1.77	0.006	0.09	0.2	0.03	2.6	0.2	<0.05	6	<0.5	<0.2
103340	Soil	35	25	0.58	192	0.060	1	1.93	0.007	0.14	0.4	0.03	3.9	0.2	<0.05	6	<0.5	<0.2

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 Report Date: August 04, 2011

Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
103341	Soil	0.8	28.0	11.9	62	<0.1	18.1	8.9	319	2.86	7.1	2.2	3.1	21.6	17	<0.1	0.5	0.3	45	0.17	0.050
103342	Soil	0.7	15.6	11.8	62	<0.1	19.4	10.0	265	2.82	10.8	1.1	<0.5	11.6	10	0.2	0.6	0.4	45	0.08	0.040
103343	Soil	0.8	15.8	16.1	58	<0.1	17.2	8.7	354	2.75	7.6	2.0	2.5	15.5	16	0.1	0.4	0.6	43	0.16	0.046
103344	Soil	0.9	19.9	10.5	53	<0.1	19.2	9.2	343	2.57	10.6	1.5	1.0	7.4	14	<0.1	0.7	0.2	49	0.13	0.041
103345	Soil	0.9	14.3	12.8	61	<0.1	17.2	9.1	370	2.85	5.7	1.3	<0.5	16.8	9	0.1	0.4	0.4	45	0.11	0.034
103346	Soil	1.6	16.2	16.2	59	<0.1	15.2	7.6	243	3.06	7.6	1.9	1.5	16.4	10	<0.1	0.5	0.7	46	0.09	0.026
103347	Soil	1.5	18.9	17.4	65	<0.1	21.5	9.1	263	3.14	9.1	0.9	<0.5	11.2	9	<0.1	0.5	0.3	59	0.09	0.031
103348	Soil	1.1	22.6	11.1	60	<0.1	22.0	9.6	302	2.79	9.7	1.0	2.5	7.8	13	<0.1	0.5	0.2	52	0.18	0.055
103349	Soil	0.8	20.1	9.5	50	<0.1	17.2	7.4	243	2.19	7.8	1.0	2.5	4.7	18	<0.1	0.4	0.1	42	0.23	0.052
103350	Soil	0.9	17.3	8.9	51	<0.1	16.5	7.0	237	2.23	8.1	1.0	2.9	3.2	13	<0.1	0.3	0.1	44	0.16	0.059
103351	Soil	1.0	21.2	10.4	69	<0.1	22.3	9.5	368	2.53	7.2	0.9	1.0	11.0	14	<0.1	0.5	0.2	43	0.21	0.061
103352	Soil	0.9	19.6	9.2	57	<0.1	20.4	8.4	259	2.51	6.4	1.0	1.4	13.0	13	<0.1	0.4	0.2	44	0.16	0.034
103353	Soil	1.1	22.3	14.3	66	<0.1	22.2	11.0	394	2.83	7.3	1.1	5.6	14.4	13	0.1	0.4	0.3	52	0.18	0.049
103354	Soil	1.1	21.0	10.0	55	<0.1	21.1	7.6	247	2.39	7.0	1.2	1.8	8.3	18	<0.1	0.5	0.2	45	0.22	0.037
103355	Soil	1.0	17.5	9.7	58	<0.1	16.9	7.7	263	2.30	5.9	1.7	2.6	12.3	14	<0.1	0.3	0.2	38	0.20	0.056
103356	Soil	0.9	14.3	8.7	59	<0.1	17.7	8.9	267	2.50	6.1	1.0	<0.5	12.0	11	0.1	0.4	0.2	42	0.17	0.049
103357	Soil	1.4	11.8	12.9	51	<0.1	15.6	7.0	241	2.43	8.2	0.9	1.3	8.5	13	<0.1	0.3	0.2	49	0.21	0.044
103358	Soil	1.5	16.7	12.2	55	<0.1	17.4	7.4	210	2.62	7.4	2.0	<0.5	8.4	13	<0.1	0.3	0.3	50	0.17	0.039
103359	Soil	0.8	14.5	9.9	53	<0.1	14.5	6.9	237	2.36	5.4	1.7	2.8	12.7	13	<0.1	0.2	0.2	38	0.21	0.060
103360	Soil	0.8	11.5	10.0	57	<0.1	15.4	8.3	288	2.40	6.4	1.3	2.2	10.9	13	0.1	0.3	0.2	40	0.22	0.069
103361	Soil	1.0	13.0	11.8	57	<0.1	14.6	7.4	255	2.54	7.0	1.5	2.0	14.4	12	<0.1	0.3	0.2	40	0.19	0.061
103362	Soil	1.0	15.4	12.6	77	<0.1	14.5	9.0	328	3.70	5.8	5.9	<0.5	56.8	10	<0.1	0.2	0.3	41	0.26	0.141
103363	Soil	0.5	11.2	9.1	47	<0.1	11.0	5.2	158	2.24	3.5	2.1	<0.5	21.6	13	<0.1	0.2	0.2	30	0.23	0.076
102165	Soil	1.9	72.7	11.0	178	<0.1	54.3	15.7	693	4.55	10.7	2.2	1.6	7.8	26	0.2	1.0	2.3	73	1.00	0.084
102166	Soil	1.2	17.8	12.9	59	<0.1	18.0	7.6	270	2.56	9.1	3.7	0.9	11.8	15	<0.1	0.5	0.3	33	0.26	0.043
102167	Soil	1.7	9.5	10.0	52	<0.1	11.1	6.1	414	2.45	5.6	1.3	<0.5	6.9	7	<0.1	0.3	0.6	31	0.16	0.115
102168	Soil	1.2	23.2	14.0	55	<0.1	14.0	6.1	235	2.44	6.6	3.3	<0.5	22.8	13	<0.1	0.4	0.6	26	0.19	0.048
102169	Soil	1.7	9.8	12.8	70	<0.1	10.3	4.7	249	3.13	10.2	2.3	<0.5	13.2	8	<0.1	0.4	0.5	23	0.24	0.099
102170	Soil	1.5	10.5	12.0	81	<0.1	12.9	7.5	319	3.48	6.3	1.7	<0.5	15.9	6	<0.1	0.2	0.6	24	0.14	0.090
102171	Soil	1.5	16.9	10.9	67	<0.1	11.3	5.5	248	3.23	7.4	1.4	<0.5	10.6	6	<0.1	0.3	1.5	29	0.08	0.048

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Page: 3 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
103341	Soil	52	28	0.56	253	0.081	<1	1.92	0.009	0.18	0.5	0.04	4.2	0.3	<0.05	7	0.5	<0.2
103342	Soil	20	26	0.48	138	0.049	1	2.09	0.006	0.10	1.1	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
103343	Soil	37	25	0.42	185	0.034	<1	2.02	0.007	0.13	0.6	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
103344	Soil	23	28	0.45	213	0.050	1	1.57	0.007	0.06	0.2	0.05	4.4	0.1	<0.05	5	<0.5	<0.2
103345	Soil	25	23	0.45	162	0.084	<1	1.93	0.008	0.21	0.7	0.02	2.8	0.3	<0.05	8	<0.5	<0.2
103346	Soil	22	26	0.40	141	0.037	<1	2.10	0.007	0.13	1.6	0.03	2.8	0.2	<0.05	7	<0.5	<0.2
103347	Soil	19	32	0.47	176	0.062	2	2.18	0.008	0.10	1.6	0.03	3.0	0.2	<0.05	8	0.6	<0.2
103348	Soil	17	32	0.47	213	0.044	1	1.70	0.008	0.07	0.6	0.03	2.8	<0.1	<0.05	5	0.6	<0.2
103349	Soil	18	26	0.42	245	0.040	<1	1.25	0.012	0.04	0.3	0.03	2.8	<0.1	<0.05	4	0.5	<0.2
103350	Soil	15	25	0.39	178	0.035	1	1.33	0.007	0.04	0.4	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
103351	Soil	24	25	0.46	187	0.071	<1	1.36	0.009	0.10	0.5	0.02	2.8	0.1	<0.05	5	0.5	<0.2
103352	Soil	25	28	0.47	202	0.070	<1	1.47	0.008	0.09	0.7	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
103353	Soil	24	30	0.45	222	0.102	<1	1.81	0.011	0.14	1.0	0.01	3.4	0.2	<0.05	6	<0.5	<0.2
103354	Soil	21	29	0.44	292	0.052	<1	1.43	0.009	0.06	0.3	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
103355	Soil	30	23	0.40	194	0.064	<1	1.30	0.008	0.10	0.6	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
103356	Soil	18	25	0.43	180	0.073	<1	1.56	0.008	0.10	0.4	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
103357	Soil	15	25	0.39	193	0.062	1	1.50	0.008	0.08	0.5	0.02	2.1	0.1	<0.05	6	<0.5	<0.2
103358	Soil	23	28	0.41	253	0.056	<1	1.82	0.008	0.08	0.4	0.04	3.3	0.2	<0.05	7	<0.5	<0.2
103359	Soil	23	22	0.41	172	0.059	<1	1.40	0.007	0.10	0.4	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
103360	Soil	21	23	0.41	167	0.059	1	1.43	0.007	0.10	0.4	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
103361	Soil	32	23	0.37	162	0.066	<1	1.49	0.007	0.16	0.3	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
103362	Soil	92	24	0.44	187	0.133	<1	2.23	0.009	0.46	0.2	0.01	3.4	0.5	<0.05	11	1.0	<0.2
103363	Soil	37	17	0.37	133	0.077	<1	1.37	0.007	0.23	0.8	<0.01	2.6	0.2	<0.05	6	<0.5	<0.2
102165	Soil	26	59	1.41	166	0.071	2	3.23	0.009	0.23	2.9	0.03	6.8	0.7	<0.05	11	<0.5	<0.2
102166	Soil	12	24	0.40	183	0.053	<1	1.63	0.009	0.20	1.0	0.01	2.6	0.3	<0.05	6	<0.5	<0.2
102167	Soil	13	17	0.25	116	0.048	<1	1.48	0.007	0.27	0.6	0.02	1.5	0.5	<0.05	8	<0.5	<0.2
102168	Soil	32	21	0.33	178	0.046	<1	1.62	0.007	0.26	0.3	0.03	3.4	0.4	<0.05	7	<0.5	<0.2
102169	Soil	5	19	0.25	109	0.061	<1	2.17	0.011	0.45	0.7	<0.01	1.6	1.0	<0.05	9	<0.5	<0.2
102170	Soil	7	16	0.30	162	0.090	<1	2.64	0.009	0.59	0.4	0.01	1.9	1.0	<0.05	10	<0.5	<0.2
102171	Soil	7	17	0.27	153	0.044	<1	2.29	0.008	0.34	0.4	<0.01	1.7	0.8	<0.05	10	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 4 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
102172	Soil	1.4	26.0	15.5	66	<0.1	20.4	6.7	358	2.54	7.9	2.3	6.9	19.0	17	<0.1	0.5	0.3	31	0.30	0.084
102173	Soil	1.1	22.1	11.9	66	<0.1	16.5	5.4	435	2.50	6.3	2.1	8.2	23.0	16	<0.1	0.4	0.3	25	0.38	0.105
102174	Soil	0.8	18.0	13.8	64	<0.1	11.8	4.8	351	2.40	3.5	2.3	0.7	24.2	8	<0.1	0.2	0.4	14	0.26	0.097
102175	Soil	1.1	13.8	11.0	59	<0.1	19.5	7.4	200	2.63	9.1	1.3	<0.5	13.3	8	<0.1	0.4	0.2	32	0.10	0.042
102176	Soil	1.0	14.1	10.4	59	<0.1	18.4	7.2	181	2.61	8.6	1.2	<0.5	12.6	8	<0.1	0.4	0.2	31	0.10	0.043
122001	Soil	0.8	36.8	11.4	67	<0.1	23.0	10.7	364	3.95	4.1	1.0	<0.5	3.9	13	<0.1	0.2	0.3	45	0.04	0.034
122002	Soil	1.1	47.7	14.3	93	<0.1	56.2	23.5	506	4.66	4.8	2.5	0.9	6.2	12	<0.1	0.3	0.5	49	0.06	0.033
122003	Soil	1.1	48.6	14.1	92	<0.1	58.8	24.2	529	4.85	6.2	2.5	1.1	5.9	13	<0.1	0.4	0.5	52	0.05	0.033
122004	Soil	0.9	20.0	11.5	53	<0.1	22.2	10.7	278	2.69	8.7	0.8	<0.5	4.0	8	<0.1	0.5	0.2	41	0.08	0.028
122005	Soil	0.8	34.5	6.9	86	<0.1	86.8	21.0	466	5.87	<0.5	3.1	<0.5	6.0	11	<0.1	<0.1	0.4	76	0.05	0.032
122006	Soil	1.1	20.6	14.8	74	<0.1	45.4	14.1	404	2.84	8.0	4.3	2.9	9.2	10	<0.1	0.5	2.4	49	0.07	0.030
122007	Soil	0.6	14.3	9.6	68	<0.1	27.1	10.1	184	2.49	5.9	7.2	27.5	12.4	5	0.1	0.4	5.2	41	0.05	0.029
122008	Soil	0.8	29.0	18.5	108	<0.1	42.6	17.3	364	4.00	7.1	1.9	2.0	8.1	27	0.1	0.4	0.5	62	0.07	0.037
122009	Soil	1.4	66.2	12.7	74	<0.1	24.3	11.4	312	4.53	5.4	7.2	2.2	5.8	10	<0.1	0.3	1.1	39	0.04	0.037
122010	Soil	0.9	37.2	15.3	71	<0.1	23.9	12.4	368	4.12	3.9	1.1	1.7	3.6	21	<0.1	0.2	0.5	44	0.04	0.030
122011	Soil	0.7	19.8	4.3	58	<0.1	48.3	15.6	308	3.75	3.4	2.2	1.8	11.2	6	<0.1	0.2	0.3	39	0.03	0.024
122012	Soil	0.6	28.6	8.4	67	<0.1	31.7	12.9	267	3.93	2.4	2.0	2.2	9.1	9	<0.1	0.2	0.4	44	0.04	0.020
122013	Soil	1.0	21.9	10.6	59	<0.1	28.4	10.6	249	2.73	8.1	1.4	3.4	8.2	11	<0.1	0.8	0.2	45	0.08	0.018
122014	Soil	1.0	31.1	8.5	63	<0.1	30.6	10.4	190	3.74	2.4	2.2	0.9	5.9	10	<0.1	0.1	1.4	35	0.03	0.026
122015	Soil	1.0	24.0	8.7	57	<0.1	28.8	11.4	231	2.94	7.2	0.9	3.7	5.4	14	<0.1	0.5	0.3	45	0.09	0.020
122016	Soil	0.7	24.4	9.0	54	<0.1	28.8	10.3	225	3.60	11.2	3.5	1.9	9.5	11	<0.1	0.6	0.6	39	0.06	0.025
122017	Soil	1.3	26.3	13.3	68	<0.1	26.7	10.7	284	3.88	6.3	1.2	2.6	6.6	14	<0.1	0.4	0.3	47	0.09	0.040
122018	Soil	0.8	30.1	9.6	64	<0.1	38.6	11.6	195	4.08	2.6	2.4	0.5	6.7	6	<0.1	<0.1	0.6	42	0.03	0.023
122019	Soil	1.0	36.8	11.9	74	0.2	31.8	11.5	495	2.60	10.4	1.0	7.9	4.6	48	0.1	0.8	0.6	43	0.58	0.091
122020	Soil	0.5	28.6	12.7	56	<0.1	13.9	5.5	323	3.03	4.4	1.1	2.5	3.8	49	<0.1	0.3	0.4	36	0.46	0.038
122021	Soil	1.0	15.2	13.8	49	<0.1	16.3	7.0	246	2.95	5.1	1.9	1.5	5.2	14	<0.1	0.3	0.3	46	0.05	0.026
122022	Soil	0.3	23.9	8.8	44	<0.1	28.3	10.1	248	2.96	3.6	1.6	1.0	7.2	18	<0.1	0.2	0.2	43	0.14	0.020
122023	Soil	0.8	27.7	12.9	63	<0.1	27.7	13.5	362	3.22	9.1	1.9	2.3	8.2	12	<0.1	0.6	0.3	53	0.11	0.038
122024	Soil	0.3	23.4	21.4	93	<0.1	38.0	18.4	432	4.52	1.9	2.6	1.5	11.7	15	<0.1	0.2	0.7	62	0.14	0.052
122025	Soil	0.7	18.9	11.7	46	<0.1	18.0	8.4	290	2.45	7.0	1.6	1.6	4.2	15	0.1	0.3	0.3	42	0.15	0.053

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Project: Burnham
 Report Date: August 04, 2011

Page: 4 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
102172	Soil	32	23	0.34	282	0.049	<1	1.48	0.009	0.15	0.2	0.02	2.6	0.3	<0.05	6	<0.5	<0.2
102173	Soil	28	18	0.30	216	0.062	<1	1.47	0.009	0.22	0.3	0.02	2.6	0.5	<0.05	6	<0.5	<0.2
102174	Soil	48	15	0.24	186	0.083	<1	1.64	0.010	0.40	0.4	<0.01	2.4	0.9	<0.05	8	<0.5	<0.2
102175	Soil	11	22	0.36	125	0.037	1	1.84	0.006	0.18	0.2	0.01	1.8	0.4	<0.05	6	<0.5	<0.2
102176	Soil	11	21	0.36	120	0.038	1	1.83	0.006	0.18	0.2	0.01	1.8	0.4	<0.05	6	<0.5	<0.2
122001	Soil	12	38	0.71	172	0.144	<1	2.12	0.016	0.64	0.1	0.02	2.9	0.4	<0.05	7	<0.5	<0.2
122002	Soil	12	45	0.74	200	0.137	<1	2.44	0.011	0.55	<0.1	0.01	3.5	0.5	<0.05	8	<0.5	<0.2
122003	Soil	13	46	0.72	208	0.142	<1	2.46	0.011	0.55	0.1	0.01	3.5	0.5	0.06	8	0.6	<0.2
122004	Soil	11	27	0.47	126	0.044	<1	1.56	0.006	0.09	0.2	0.01	2.0	0.1	<0.05	4	<0.5	<0.2
122005	Soil	11	122	1.46	237	0.206	<1	3.48	0.018	1.11	<0.1	0.01	7.3	1.0	<0.05	14	<0.5	<0.2
122006	Soil	13	45	0.54	155	0.115	2	2.49	0.007	0.31	0.3	0.02	3.4	0.8	<0.05	7	0.6	<0.2
122007	Soil	18	40	0.55	91	0.094	2	1.82	0.006	0.27	0.2	0.02	3.1	0.4	<0.05	6	<0.5	<0.2
122008	Soil	12	58	0.95	241	0.192	2	3.11	0.015	0.70	<0.1	0.01	5.5	0.5	<0.05	9	<0.5	<0.2
122009	Soil	16	36	0.51	142	0.146	2	2.02	0.009	0.57	<0.1	<0.01	2.6	0.8	<0.05	6	<0.5	<0.2
122010	Soil	7	41	0.70	202	0.216	2	2.28	0.016	0.88	<0.1	<0.01	3.6	0.6	0.05	7	<0.5	<0.2
122011	Soil	20	42	0.64	132	0.114	2	1.97	0.007	0.52	<0.1	<0.01	3.0	0.3	<0.05	7	<0.5	<0.2
122012	Soil	17	46	0.80	172	0.179	2	2.56	0.010	0.81	<0.1	<0.01	4.0	0.4	<0.05	9	<0.5	<0.2
122013	Soil	16	31	0.46	109	0.065	2	1.63	0.007	0.10	0.1	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
122014	Soil	14	32	0.53	129	0.106	<1	2.02	0.008	0.60	<0.1	<0.01	3.1	0.5	<0.05	6	<0.5	<0.2
122015	Soil	11	35	0.63	154	0.101	1	2.03	0.008	0.30	0.1	<0.01	3.0	0.2	<0.05	6	<0.5	<0.2
122016	Soil	22	28	0.40	122	0.056	<1	1.61	0.006	0.25	<0.1	0.03	4.3	0.3	<0.05	5	<0.5	<0.2
122017	Soil	14	38	0.67	156	0.145	2	2.10	0.010	0.57	0.1	0.02	3.2	0.4	<0.05	7	<0.5	<0.2
122018	Soil	12	52	0.60	163	0.174	1	2.15	0.013	0.83	<0.1	<0.01	4.2	0.6	<0.05	7	<0.5	<0.2
122019	Soil	14	26	0.49	242	0.055	2	1.29	0.018	0.06	0.5	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
122020	Soil	11	30	0.51	194	0.083	2	1.46	0.017	0.21	0.1	0.02	3.6	0.3	0.10	5	0.5	<0.2
122021	Soil	16	26	0.34	98	0.097	<1	1.44	0.008	0.26	<0.1	0.01	2.0	0.3	<0.05	6	<0.5	<0.2
122022	Soil	18	41	0.74	184	0.103	2	2.03	0.010	0.36	0.1	0.01	5.6	0.3	<0.05	6	0.5	<0.2
122023	Soil	17	40	0.64	187	0.088	2	2.34	0.007	0.13	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
122024	Soil	29	47	0.88	293	0.116	1	2.71	0.010	0.51	<0.1	0.01	6.7	0.7	<0.05	9	<0.5	<0.2
122025	Soil	15	28	0.43	157	0.057	1	1.52	0.008	0.09	0.2	0.04	2.6	0.2	<0.05	5	<0.5	<0.2



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Project: Burnham
 Report Date: August 04, 2011

Page: 5 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
122026	Soil			1.0	41.0	15.6	91	<0.1	39.4	16.4	355	4.32	2.2	1.8	1.2	6.9	9	0.1	0.1	0.4	46	0.08	0.031
122027	Soil			0.1	48.3	4.3	49	<0.1	125.6	25.1	194	3.02	1.3	0.6	0.6	4.0	24	<0.1	<0.1	0.1	65	0.80	0.216
122028	Soil			0.7	39.0	6.7	55	<0.1	37.5	12.6	263	3.56	3.5	1.2	2.1	10.0	26	<0.1	0.2	0.2	59	0.49	0.103
122029	Soil			0.3	37.6	12.5	76	<0.1	41.4	14.0	354	3.95	1.0	2.0	<0.5	14.1	14	0.1	<0.1	0.2	60	0.35	0.111
122030	Soil			0.6	49.2	8.8	51	<0.1	47.9	19.6	332	2.51	3.1	0.9	1.6	4.4	45	<0.1	0.2	0.1	49	0.65	0.150
122031	Soil			0.8	41.4	8.6	145	<0.1	32.2	20.7	784	5.41	2.2	1.2	<0.5	17.3	46	<0.1	0.2	0.2	91	0.88	0.278
122032	Soil			0.8	40.6	13.7	93	<0.1	38.6	11.8	274	4.44	1.6	2.1	0.6	8.8	14	<0.1	0.1	0.3	51	0.12	0.028
122033	Soil			0.2	28.3	24.6	76	<0.1	41.9	17.0	553	4.29	3.4	2.3	2.6	19.2	187	0.2	0.1	0.3	55	1.96	0.063
122034	Soil			0.6	16.5	21.8	68	<0.1	25.0	12.1	257	2.80	4.1	2.0	1.6	17.8	12	<0.1	0.2	0.2	37	0.19	0.034
122035	Soil			0.6	31.5	24.9	101	<0.1	53.1	21.8	236	3.89	2.0	2.7	<0.5	15.3	64	0.1	0.1	0.7	51	0.88	0.027
122036	Soil			1.1	15.1	13.1	68	<0.1	28.9	25.1	331	3.10	9.4	0.9	3.5	6.2	11	0.1	0.5	0.2	49	0.10	0.042
122037	Soil			0.2	42.9	30.9	88	<0.1	37.9	13.0	322	4.10	1.1	3.2	3.9	19.4	65	<0.1	<0.1	0.4	41	0.77	0.043
122038	Soil			1.0	32.9	5.7	101	<0.1	21.7	24.1	371	6.21	2.0	1.3	<0.5	8.5	17	<0.1	0.2	0.1	120	1.27	0.327
122039	Soil			0.1	6.4	4.3	38	<0.1	49.6	15.5	226	2.24	1.7	0.3	0.6	1.9	30	<0.1	<0.1	<0.1	55	0.46	0.107
122040	Soil			0.2	9.0	5.0	46	<0.1	61.3	17.7	238	2.57	2.8	0.3	<0.5	2.4	30	<0.1	0.1	<0.1	62	0.38	0.059
122041	Soil			0.4	36.1	10.1	65	<0.1	38.3	25.4	640	5.11	2.8	0.5	<0.5	2.5	18	<0.1	0.2	<0.1	135	0.55	0.116
122042	Soil			0.7	22.4	8.6	43	<0.1	29.7	10.0	229	2.63	8.8	0.4	1.6	3.2	16	<0.1	0.4	0.1	52	0.20	0.052
122043	Soil			0.6	63.4	6.9	62	<0.1	76.5	26.9	323	5.35	1.7	0.8	1.1	4.1	31	<0.1	0.1	0.2	86	0.66	0.150
122044	Soil			0.7	11.4	10.0	68	<0.1	8.7	8.3	384	3.71	4.3	3.7	1.4	30.4	6	<0.1	0.2	0.7	34	0.14	0.096
122045	Soil			0.6	17.0	8.6	47	<0.1	16.1	7.2	223	2.30	7.1	2.1	3.2	13.2	11	<0.1	0.4	0.3	37	0.18	0.061
122046	Soil			0.6	9.8	12.1	60	<0.1	5.2	4.5	143	3.27	5.5	2.4	0.5	30.6	5	<0.1	0.2	0.3	15	0.16	0.078
122047	Soil			0.8	7.4	9.4	59	<0.1	8.4	4.7	196	2.88	6.0	1.6	0.8	12.2	6	<0.1	0.3	0.2	38	0.07	0.041
122048	Soil			0.8	19.8	10.7	52	<0.1	20.5	8.1	190	2.61	9.6	1.3	2.9	16.6	7	<0.1	0.5	0.2	40	0.07	0.018
122049	Soil			1.2	10.8	12.3	37	<0.1	8.8	6.2	329	2.55	7.2	2.3	2.9	15.3	7	<0.1	0.3	0.4	31	0.09	0.047
122050	Soil			0.8	11.7	10.8	43	<0.1	14.8	7.9	244	2.69	9.5	0.6	2.9	4.9	8	<0.1	0.5	0.2	55	0.07	0.028
122051	Soil			1.5	8.5	10.8	48	<0.1	12.5	6.3	197	3.06	9.8	0.6	2.5	4.4	9	<0.1	0.4	0.2	58	0.08	0.038
122052	Soil			0.9	11.4	9.3	43	<0.1	14.8	6.5	178	2.41	9.1	0.6	2.5	5.1	8	<0.1	0.5	0.2	45	0.08	0.026
122053	Soil			0.7	15.3	10.9	51	<0.1	21.4	9.6	257	2.83	11.7	0.7	1.5	7.6	9	<0.1	0.7	0.2	43	0.10	0.039
122054	Soil			0.9	22.5	10.1	51	<0.1	18.8	8.2	239	2.60	11.0	1.3	2.6	12.5	9	<0.1	0.6	0.2	43	0.08	0.027
122055	Soil			1.1	12.5	11.2	56	<0.1	17.6	10.5	388	3.51	11.2	0.7	6.8	7.0	8	<0.1	0.7	0.3	49	0.09	0.045

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Page: 5 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
122026	Soil	16	44	0.85	155	0.176	1	2.33	0.009	0.72	<0.1	0.02	4.9	0.6	<0.05	8	<0.5	<0.2
122027	Soil	24	171	2.25	188	0.234	<1	2.27	0.027	0.60	0.2	<0.01	1.9	0.3	<0.05	7	<0.5	<0.2
122028	Soil	18	52	0.83	289	0.063	<1	2.22	0.011	0.14	0.1	<0.01	3.3	<0.1	<0.05	8	1.1	<0.2
122029	Soil	28	71	0.98	242	0.214	<1	2.53	0.011	0.61	<0.1	<0.01	3.8	0.3	<0.05	10	<0.5	<0.2
122030	Soil	21	70	0.74	163	0.113	1	1.59	0.043	0.13	<0.1	0.01	4.0	0.1	<0.05	5	0.5	<0.2
122031	Soil	38	45	1.37	326	0.229	1	2.82	0.017	0.72	0.2	<0.01	3.8	0.1	<0.05	15	<0.5	<0.2
122032	Soil	23	55	0.94	219	0.114	<1	2.27	0.006	0.37	<0.1	<0.01	3.5	0.2	<0.05	9	<0.5	<0.2
122033	Soil	53	69	0.90	274	0.054	1	4.55	0.011	0.05	0.2	0.02	10.6	<0.1	<0.05	14	<0.5	<0.2
122034	Soil	22	31	0.50	89	0.114	<1	1.81	0.007	0.16	<0.1	<0.01	2.2	0.1	<0.05	6	<0.5	<0.2
122035	Soil	18	47	0.77	156	0.155	<1	3.87	0.006	0.22	<0.1	0.01	3.1	0.1	<0.05	12	<0.5	<0.2
122036	Soil	11	36	0.45	184	0.057	1	2.47	0.006	0.06	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
122037	Soil	44	54	0.86	271	0.224	<1	3.11	0.010	0.39	<0.1	<0.01	5.2	0.2	<0.05	11	<0.5	<0.2
122038	Soil	32	21	1.17	169	0.165	<1	2.99	0.031	0.13	0.1	<0.01	4.2	<0.1	<0.05	15	<0.5	<0.2
122039	Soil	6	94	1.38	133	0.231	<1	2.17	0.014	0.14	0.1	<0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
122040	Soil	6	101	1.64	158	0.264	1	2.68	0.017	0.16	0.2	<0.01	2.0	<0.1	<0.05	7	<0.5	<0.2
122041	Soil	7	74	1.73	166	0.161	<1	2.87	0.013	0.02	<0.1	<0.01	5.8	<0.1	<0.05	13	<0.5	<0.2
122042	Soil	9	41	0.52	165	0.067	1	1.58	0.007	0.06	0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
122043	Soil	13	94	1.55	301	0.240	<1	3.36	0.015	1.08	<0.1	0.01	8.2	0.4	<0.05	12	<0.5	<0.2
122044	Soil	41	18	0.36	112	0.104	<1	2.40	0.007	0.50	0.4	0.02	2.7	0.6	<0.05	12	<0.5	<0.2
122045	Soil	26	22	0.41	111	0.042	<1	1.49	0.006	0.09	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
122046	Soil	14	9	0.23	64	0.019	<1	1.96	0.004	0.24	0.2	<0.01	2.3	0.4	<0.05	8	<0.5	<0.2
122047	Soil	14	16	0.29	98	0.044	<1	1.73	0.005	0.20	0.3	0.02	1.7	0.3	<0.05	8	<0.5	<0.2
122048	Soil	15	26	0.44	133	0.038	<1	1.79	0.005	0.07	0.3	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
122049	Soil	19	15	0.25	110	0.014	<1	1.61	0.004	0.08	0.4	0.01	1.7	0.2	<0.05	6	<0.5	<0.2
122050	Soil	15	27	0.35	183	0.039	<1	1.79	0.005	0.04	0.2	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
122051	Soil	12	26	0.38	152	0.044	<1	1.66	0.005	0.07	0.2	0.01	1.8	0.1	<0.05	7	<0.5	<0.2
122052	Soil	12	25	0.38	135	0.039	<1	1.55	0.005	0.05	0.2	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
122053	Soil	11	27	0.43	147	0.046	<1	1.97	0.009	0.08	0.2	0.03	2.2	0.2	<0.05	4	<0.5	<0.2
122054	Soil	19	31	0.44	153	0.050	<1	1.88	0.006	0.08	0.2	0.04	3.1	0.1	<0.05	5	0.5	<0.2
122055	Soil	10	27	0.43	144	0.059	1	1.74	0.005	0.13	0.3	0.02	1.9	0.2	<0.05	6	0.5	<0.2

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Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
122056	Soil	3.5	13.0	17.7	52	<0.1	6.6	4.9	289	2.90	5.2	5.2	3.5	18.2	5	<0.1	0.2	2.1	31	0.09	0.110
122057	Soil	0.7	13.6	9.7	48	<0.1	16.2	7.4	186	2.50	8.6	1.4	2.1	14.1	8	<0.1	0.5	0.3	35	0.09	0.027
122058	Soil	1.0	13.5	10.4	33	<0.1	7.7	4.5	142	3.33	6.4	3.4	2.1	21.0	6	<0.1	0.3	2.5	22	0.09	0.063
122059	Soil	0.8	15.1	11.1	50	<0.1	17.7	8.4	267	2.69	9.4	1.0	2.1	10.4	8	<0.1	0.6	0.3	43	0.08	0.031
122060	Soil	0.8	13.9	10.8	54	<0.1	14.9	6.9	215	3.19	9.4	1.2	2.8	13.7	7	<0.1	0.5	0.3	44	0.08	0.039
122061	Soil	0.8	5.5	8.1	30	<0.1	8.0	3.7	132	1.74	3.9	0.9	1.0	6.2	9	<0.1	0.2	0.8	33	0.10	0.016
122062	Soil	0.7	15.8	8.8	47	<0.1	16.2	6.9	208	2.14	6.6	1.0	2.5	6.3	11	<0.1	0.5	0.2	37	0.12	0.035
122063	Soil	0.9	16.4	11.4	53	<0.1	16.2	9.4	260	3.18	8.1	1.8	2.7	14.5	8	<0.1	0.5	0.9	45	0.12	0.052
122064	Soil	0.9	12.9	10.4	51	<0.1	15.3	6.7	196	2.58	8.9	0.8	1.8	8.8	8	<0.1	0.4	0.4	43	0.07	0.021
122065	Soil	0.8	10.6	12.8	51	<0.1	6.7	5.5	549	3.29	5.6	1.3	3.0	10.7	6	<0.1	0.3	1.8	37	0.09	0.100
122066	Soil	0.7	8.3	11.9	62	<0.1	11.5	6.6	247	3.78	6.3	0.9	<0.5	14.1	7	<0.1	0.2	0.4	25	0.08	0.053
122067	Soil	0.7	28.8	12.3	66	<0.1	20.9	8.1	249	2.94	6.1	2.0	2.8	31.0	10	<0.1	0.5	0.7	32	0.13	0.038
122068	Soil	0.6	10.5	9.8	57	<0.1	12.6	6.7	245	3.19	5.8	1.8	0.7	12.5	8	<0.1	0.2	1.1	25	0.15	0.104
122069	Soil	0.8	8.8	9.4	53	<0.1	13.6	6.2	167	2.77	5.2	0.9	0.6	8.5	7	<0.1	0.3	0.3	36	0.09	0.060
122070	Soil	1.1	16.0	9.5	70	<0.1	12.5	6.8	270	3.64	6.3	2.4	<0.5	17.8	8	<0.1	0.3	1.0	27	0.13	0.078
122071	Soil	0.8	7.4	8.0	45	<0.1	11.0	4.9	273	2.17	6.4	0.4	0.5	3.7	9	<0.1	0.4	0.2	42	0.10	0.056
122072	Soil	1.1	12.3	9.4	52	<0.1	19.8	7.3	182	2.77	9.7	1.0	1.0	6.4	11	<0.1	0.4	0.2	44	0.12	0.049
122073	Soil	0.8	12.9	15.0	38	<0.1	10.1	4.8	140	2.60	6.9	2.1	1.5	3.7	7	0.1	0.4	0.3	60	0.07	0.036
122074	Soil	1.0	21.4	9.9	52	<0.1	19.4	8.0	280	2.39	8.6	3.6	3.4	4.9	11	<0.1	0.6	0.3	42	0.10	0.035
122075	Soil	1.5	15.7	12.7	51	<0.1	14.2	7.1	241	2.97	9.8	2.5	2.2	10.2	9	<0.1	0.7	0.2	50	0.06	0.032
122076	Soil	1.1	18.5	12.1	60	<0.1	21.0	10.9	403	2.75	12.2	1.6	3.9	5.7	9	<0.1	0.8	0.2	50	0.07	0.041
122077	Soil	0.9	20.0	12.6	62	<0.1	16.6	9.2	424	2.89	9.3	5.3	2.1	17.4	13	<0.1	0.6	0.6	41	0.13	0.045
122078	Soil	1.0	28.1	12.2	68	<0.1	23.2	10.2	416	2.89	9.9	6.5	1.9	10.4	24	0.1	0.7	0.6	48	0.25	0.050
122079	Soil	1.0	22.4	12.2	55	<0.1	17.5	8.8	395	2.75	10.8	5.0	3.0	8.6	14	<0.1	0.7	0.5	44	0.14	0.054
122080	Soil	1.0	16.7	11.2	55	<0.1	16.7	8.0	282	2.56	9.8	3.0	3.4	7.4	10	<0.1	0.6	0.6	44	0.09	0.043
122081	Soil	1.1	25.5	12.7	61	<0.1	21.1	9.8	334	2.88	9.6	4.2	4.1	10.8	14	<0.1	0.7	0.9	48	0.10	0.024
122082	Soil	0.8	20.8	10.5	58	<0.1	16.4	8.8	425	3.27	7.1	5.1	2.1	31.1	13	<0.1	0.5	0.7	35	0.18	0.073
122083	Soil	1.1	15.8	14.5	66	<0.1	16.7	11.2	506	3.16	9.5	2.7	1.8	14.6	8	0.1	0.6	0.3	39	0.07	0.038
122084	Soil	0.7	19.0	15.4	53	<0.1	12.6	7.3	267	2.81	5.6	2.5	0.6	19.4	12	<0.1	0.4	0.3	28	0.18	0.066
122085	Soil	0.8	21.4	14.6	70	<0.1	18.8	9.9	418	3.42	7.6	1.7	1.5	24.6	17	<0.1	0.5	0.3	49	0.24	0.063

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Page: 6 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
122056	Soil	57	13	0.19	71	0.006	<1	1.52	0.004	0.07	4.2	0.02	1.1	0.1	<0.05	6	<0.5	<0.2
122057	Soil	31	23	0.40	113	0.050	<1	1.67	0.005	0.11	0.6	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
122058	Soil	30	12	0.28	111	0.034	<1	1.94	0.004	0.24	6.2	0.01	1.7	0.5	<0.05	8	<0.5	<0.2
122059	Soil	17	28	0.42	138	0.050	<1	1.99	0.006	0.11	0.2	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
122060	Soil	15	24	0.40	122	0.062	<1	2.10	0.006	0.20	0.2	0.03	2.1	0.4	<0.05	7	<0.5	<0.2
122061	Soil	15	15	0.29	80	0.048	<1	1.05	0.006	0.09	0.5	0.01	1.2	0.2	<0.05	5	<0.5	<0.2
122062	Soil	15	22	0.36	170	0.049	<1	1.29	0.005	0.07	0.1	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
122063	Soil	19	27	0.40	174	0.056	<1	2.49	0.006	0.16	0.3	0.03	2.7	0.4	<0.05	7	<0.5	<0.2
122064	Soil	14	26	0.39	153	0.041	<1	1.80	0.005	0.08	0.2	0.04	2.1	0.2	<0.05	5	<0.5	<0.2
122065	Soil	15	13	0.26	129	0.077	<1	1.83	0.005	0.30	0.3	0.02	1.6	0.7	<0.05	10	<0.5	<0.2
122066	Soil	11	15	0.33	149	0.093	<1	2.74	0.006	0.45	0.4	0.04	2.0	1.0	<0.05	10	<0.5	<0.2
122067	Soil	83	21	0.43	126	0.083	<1	2.01	0.008	0.22	0.4	0.03	2.4	0.5	<0.05	8	<0.5	<0.2
122068	Soil	12	15	0.31	167	0.058	<1	1.99	0.005	0.29	0.6	0.01	1.7	0.5	<0.05	8	<0.5	<0.2
122069	Soil	10	17	0.31	123	0.058	<1	1.85	0.004	0.15	0.2	0.01	2.3	0.4	<0.05	8	<0.5	<0.2
122070	Soil	13	15	0.33	128	0.066	<1	2.21	0.005	0.35	0.4	0.02	1.9	0.7	<0.05	10	<0.5	<0.2
122071	Soil	11	18	0.32	120	0.034	<1	1.22	0.004	0.06	0.2	0.01	1.6	0.1	<0.05	5	<0.5	<0.2
122072	Soil	11	24	0.37	130	0.038	<1	1.82	0.004	0.11	0.2	0.02	2.0	0.2	<0.05	6	<0.5	<0.2
122073	Soil	14	27	0.30	148	0.039	<1	1.68	0.005	0.04	0.2	0.02	2.6	0.1	<0.05	7	<0.5	<0.2
122074	Soil	18	26	0.41	169	0.041	<1	1.50	0.007	0.05	0.3	0.03	3.0	0.1	<0.05	4	<0.5	<0.2
122075	Soil	21	30	0.38	159	0.038	<1	1.98	0.006	0.06	0.2	0.04	3.3	0.2	<0.05	6	<0.5	<0.2
122076	Soil	19	29	0.49	171	0.042	<1	1.77	0.007	0.04	0.2	0.02	4.1	0.1	<0.05	5	0.7	<0.2
122077	Soil	43	23	0.45	190	0.071	<1	1.63	0.008	0.14	0.2	0.03	4.1	0.3	<0.05	6	<0.5	<0.2
122078	Soil	24	27	0.52	333	0.057	<1	1.68	0.009	0.08	0.2	0.04	4.5	0.2	<0.05	5	<0.5	<0.2
122079	Soil	24	25	0.45	217	0.046	<1	1.54	0.006	0.07	0.2	0.04	3.8	0.2	<0.05	5	0.6	<0.2
122080	Soil	18	25	0.42	155	0.040	<1	1.57	0.006	0.05	0.2	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
122081	Soil	23	29	0.48	239	0.053	<1	1.75	0.008	0.07	0.2	0.03	4.3	0.2	<0.05	5	<0.5	<0.2
122082	Soil	52	19	0.44	189	0.078	<1	1.55	0.007	0.30	0.2	<0.01	4.0	0.4	<0.05	6	<0.5	<0.2
122083	Soil	21	22	0.38	126	0.014	<1	1.75	0.004	0.08	0.3	0.01	2.8	0.2	<0.05	5	<0.5	<0.2
122084	Soil	44	16	0.33	166	0.021	<1	1.21	0.004	0.07	0.2	0.03	3.0	0.1	<0.05	4	<0.5	<0.2
122085	Soil	48	25	0.55	256	0.096	<1	2.01	0.007	0.19	0.2	0.01	4.7	0.3	<0.05	8	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 7 of 12 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
122086	Soil	1.5	12.6	14.4	61	<0.1	15.8	9.0	391	3.61	11.7	1.6	2.3	8.4	7	<0.1	0.7	0.3	50	0.07	0.039
122087	Soil	0.9	16.0	17.0	77	<0.1	17.0	12.1	488	3.83	9.1	1.6	<0.5	24.0	8	<0.1	0.6	0.2	52	0.12	0.060
122088	Soil	1.0	17.5	13.2	74	<0.1	19.3	11.7	421	3.43	11.2	1.9	3.7	22.2	10	0.1	0.6	0.2	52	0.10	0.051
122089	Soil	1.0	19.6	13.8	60	<0.1	19.3	9.0	297	2.81	12.0	1.7	2.9	10.4	15	<0.1	0.8	0.2	50	0.14	0.045
122090	Soil	1.0	14.9	17.7	63	<0.1	15.1	7.8	330	2.93	9.6	1.5	2.3	16.0	12	<0.1	0.5	0.3	40	0.17	0.061
122091	Soil	1.0	15.1	15.3	95	<0.1	14.7	11.2	698	3.97	6.5	2.0	1.0	23.2	5	<0.1	0.4	0.3	48	0.15	0.102
122092	Soil	1.0	13.7	11.9	71	<0.1	15.6	8.1	330	3.18	8.2	1.7	<0.5	26.0	8	<0.1	0.4	0.2	50	0.13	0.077
122093	Soil	0.8	15.5	17.6	86	<0.1	13.0	9.5	450	3.63	5.5	2.2	1.6	31.5	8	<0.1	0.4	0.3	42	0.13	0.090
122094	Soil	1.5	19.9	14.2	81	<0.1	14.4	9.7	582	3.94	8.1	6.4	0.6	34.7	8	0.1	0.3	1.4	58	0.20	0.125
122095	Soil	0.4	37.1	10.5	72	<0.1	16.6	10.5	481	3.66	4.4	3.0	<0.5	24.8	7	<0.1	0.7	0.2	45	0.10	0.052
122096	Soil	1.0	21.9	14.8	61	<0.1	19.3	9.7	367	3.02	11.8	2.5	2.3	18.7	11	<0.1	0.7	0.2	50	0.10	0.043
122097	Soil	0.8	25.3	12.2	67	<0.1	16.8	9.8	409	2.83	8.5	1.8	1.8	11.6	11	<0.1	0.5	0.2	49	0.13	0.064
122098	Soil	1.1	23.8	13.6	65	<0.1	17.7	10.8	403	3.10	8.4	2.1	2.7	15.1	9	<0.1	0.6	0.2	55	0.10	0.047
122099	Soil	0.6	16.0	9.0	59	<0.1	17.1	8.0	278	2.46	7.3	2.2	1.9	12.8	17	<0.1	0.5	0.2	39	0.19	0.052
122100	Soil	1.0	13.5	14.4	59	<0.1	15.8	7.8	277	3.12	10.3	1.5	2.4	11.8	8	<0.1	0.6	0.3	43	0.09	0.049
122101	Soil	1.2	13.1	12.2	71	<0.1	14.3	7.8	346	3.81	8.8	1.8	0.6	18.7	7	<0.1	0.4	0.3	53	0.06	0.047
117446	Soil	1.5	23.1	13.7	46	<0.1	13.3	5.7	235	2.75	8.3	1.8	1.6	9.0	10	<0.1	0.5	3.3	45	0.10	0.032
117447	Soil	1.1	25.7	10.6	53	<0.1	17.5	7.1	266	2.31	7.8	2.1	4.6	6.7	13	0.1	0.6	5.7	39	0.17	0.057
117448	Soil	1.1	18.8	13.1	61	<0.1	21.5	8.9	299	2.94	11.6	1.4	1.8	4.4	15	0.2	0.7	0.8	49	0.15	0.062
117449	Soil	1.1	20.0	10.5	53	<0.1	17.5	8.4	324	2.39	7.9	1.6	2.2	5.9	12	0.1	0.6	0.5	39	0.14	0.054
117450	Soil	0.9	22.3	9.8	52	<0.1	14.4	7.1	321	2.22	5.3	2.2	2.0	12.0	14	<0.1	0.4	0.7	33	0.17	0.046
117451	Soil	1.0	23.8	11.9	50	<0.1	16.5	6.5	243	2.47	8.3	1.6	2.1	10.0	14	<0.1	0.6	2.0	45	0.14	0.062
117452	Soil	1.3	36.1	14.9	58	<0.1	19.2	7.7	347	3.04	10.0	2.9	3.5	12.3	17	<0.1	0.8	2.7	49	0.16	0.048
117453	Soil	1.1	27.5	12.1	64	<0.1	24.6	11.7	368	2.94	14.0	2.3	2.7	8.6	11	0.1	0.8	0.9	50	0.11	0.040
117454	Soil	1.0	23.0	10.6	53	<0.1	15.7	7.3	302	2.54	6.5	1.9	3.5	10.6	12	0.1	0.5	3.7	39	0.14	0.040
117455	Soil	0.9	29.4	12.3	62	<0.1	13.5	7.5	341	2.77	5.5	2.8	2.6	19.2	12	<0.1	0.4	5.7	32	0.18	0.056
117456	Soil	1.1	23.3	11.6	66	<0.1	18.5	8.6	378	2.75	8.8	2.1	1.7	12.2	11	0.1	0.6	1.6	41	0.13	0.055
117457	Soil	1.0	24.0	11.1	67	<0.1	14.9	8.3	337	3.18	8.3	2.6	1.8	17.0	9	0.1	0.5	2.2	39	0.14	0.075
117458	Soil	1.0	22.0	12.9	62	<0.1	13.5	8.1	344	3.32	8.0	2.0	<0.5	12.6	8	0.2	0.4	5.0	42	0.12	0.055
117459	Soil	1.0	29.2	10.4	58	<0.1	16.1	7.5	328	2.38	6.8	1.9	1.7	12.1	10	0.1	0.5	7.3	33	0.15	0.061

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Project: Burnham
 Report Date: August 04, 2011

Page: 7 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
122086	Soil	9	27	0.38	88	0.029	<1	1.82	0.004	0.05	0.2	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
122087	Soil	24	25	0.52	113	0.161	<1	2.67	0.007	0.59	0.2	0.03	5.0	0.7	<0.05	10	<0.5	<0.2
122088	Soil	21	30	0.51	172	0.114	<1	2.13	0.006	0.28	0.2	0.02	4.3	0.4	<0.05	8	<0.5	<0.2
122089	Soil	40	29	0.49	200	0.047	<1	1.66	0.007	0.05	0.2	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
122090	Soil	33	27	0.50	128	0.021	<1	1.88	0.005	0.05	0.2	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
122091	Soil	23	26	0.55	93	0.027	<1	2.34	0.005	0.12	0.1	<0.01	2.5	0.2	<0.05	10	<0.5	<0.2
122092	Soil	36	25	0.51	120	0.092	<1	2.42	0.006	0.29	0.1	0.02	4.0	0.4	<0.05	8	<0.5	<0.2
122093	Soil	49	23	0.37	101	0.014	<1	2.26	0.005	0.12	0.1	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
122094	Soil	71	29	0.51	100	0.065	<1	2.23	0.006	0.17	0.6	0.01	3.4	0.2	<0.05	10	<0.5	<0.2
122095	Soil	51	29	0.65	141	0.126	<1	2.63	0.006	0.60	0.3	<0.01	4.5	0.7	<0.05	8	<0.5	<0.2
122096	Soil	54	31	0.50	188	0.053	<1	2.03	0.007	0.10	0.2	0.05	4.6	0.2	<0.05	6	<0.5	<0.2
122097	Soil	23	28	0.50	153	0.070	1	2.02	0.007	0.15	0.2	0.04	3.6	0.3	<0.05	6	<0.5	<0.2
122098	Soil	37	30	0.46	147	0.065	<1	1.96	0.007	0.13	0.2	0.03	3.9	0.3	<0.05	6	<0.5	<0.2
122099	Soil	39	22	0.50	168	0.064	<1	1.32	0.007	0.11	0.2	0.02	3.6	0.2	<0.05	4	0.5	<0.2
122100	Soil	14	22	0.40	84	0.039	<1	1.68	0.005	0.10	0.2	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
122101	Soil	12	24	0.53	120	0.154	<1	2.26	0.006	0.40	0.3	0.02	4.4	0.7	<0.05	9	<0.5	<0.2
117446	Soil	20	22	0.35	155	0.039	<1	1.67	0.007	0.08	13.4	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
117447	Soil	20	22	0.44	125	0.046	1	1.29	0.007	0.07	3.4	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
117448	Soil	17	28	0.49	180	0.041	<1	1.75	0.008	0.07	1.2	0.03	2.5	0.1	<0.05	5	<0.5	<0.2
117449	Soil	18	22	0.41	147	0.050	<1	1.43	0.007	0.10	2.3	0.02	2.1	0.2	<0.05	4	<0.5	<0.2
117450	Soil	28	20	0.41	171	0.075	<1	1.24	0.009	0.14	7.7	0.02	2.2	0.2	<0.05	4	<0.5	<0.2
117451	Soil	24	25	0.44	161	0.054	<1	1.71	0.008	0.09	2.9	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
117452	Soil	34	29	0.49	314	0.060	<1	1.83	0.008	0.12	7.8	0.06	4.5	0.3	<0.05	5	<0.5	<0.2
117453	Soil	20	30	0.53	174	0.065	2	2.04	0.010	0.10	1.7	0.04	3.6	0.2	<0.05	6	0.6	<0.2
117454	Soil	23	22	0.45	172	0.086	<1	1.57	0.008	0.15	6.8	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
117455	Soil	33	18	0.38	149	0.090	2	1.41	0.008	0.21	17.9	0.02	2.5	0.3	<0.05	7	0.6	<0.2
117456	Soil	25	23	0.45	176	0.071	2	1.61	0.007	0.15	5.7	0.02	3.2	0.2	<0.05	6	0.7	<0.2
117457	Soil	23	23	0.45	140	0.100	1	2.04	0.008	0.28	6.4	0.02	2.6	0.4	<0.05	7	1.0	<0.2
117458	Soil	23	22	0.40	147	0.091	1	1.95	0.007	0.30	8.8	0.02	2.3	0.4	<0.05	8	1.0	0.3
117459	Soil	24	19	0.36	123	0.048	1	1.26	0.006	0.11	6.4	0.02	1.8	0.2	<0.05	4	0.8	0.2

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Page: 8 of 12 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
117460	Soil	1.1	14.8	13.6	47	<0.1	14.3	6.8	220	2.86	10.6	1.2	1.7	8.6	9	<0.1	0.6	1.6	50	0.08	0.044
117461	Soil	0.8	41.8	13.5	69	<0.1	24.0	10.3	441	2.96	12.3	4.4	3.3	7.8	21	<0.1	0.7	1.4	47	0.23	0.072
117462	Soil	1.0	27.6	11.2	62	<0.1	18.5	7.2	261	2.54	9.7	1.5	6.6	5.2	15	0.2	0.6	3.6	45	0.21	0.085
117463	Soil	0.9	25.2	11.5	61	<0.1	18.3	8.8	393	2.56	8.8	1.9	1.6	6.2	16	<0.1	0.6	2.5	42	0.20	0.069
117464	Soil	1.2	22.4	12.7	65	<0.1	19.1	8.5	290	2.77	10.2	1.4	1.9	7.7	12	<0.1	0.6	1.8	50	0.13	0.058
117465	Soil	1.1	28.7	11.1	79	<0.1	21.1	9.4	398	2.71	8.1	1.5	7.5	7.7	18	0.1	0.6	2.1	46	0.23	0.071
117466	Soil	0.9	26.2	10.5	65	<0.1	19.7	8.4	315	2.46	8.5	1.5	3.9	5.6	19	<0.1	0.6	1.1	43	0.21	0.059
117467	Soil	0.9	21.8	11.6	56	<0.1	16.7	7.0	214	2.44	7.6	1.6	2.0	4.9	13	<0.1	0.4	1.7	43	0.15	0.067
117468	Soil	1.0	28.4	10.4	65	<0.1	19.2	8.9	327	2.57	7.9	2.0	2.0	10.7	17	<0.1	0.6	3.2	39	0.20	0.062
117469	Soil	0.9	17.1	11.2	54	0.2	15.0	6.7	201	2.28	8.2	1.6	5.1	2.2	16	0.2	0.4	2.5	37	0.18	0.081
117470	Soil	0.7	21.3	9.8	56	<0.1	13.1	6.6	271	2.31	6.5	2.1	2.5	10.2	10	0.2	0.4	2.1	33	0.22	0.097
117471	Soil	0.8	24.9	10.4	58	<0.1	17.9	8.5	316	2.53	9.5	2.1	3.0	9.3	18	<0.1	0.5	1.6	40	0.19	0.058
117472	Soil	0.7	145.1	17.7	45	<0.1	10.7	6.0	355	2.82	4.8	7.1	<0.5	31.6	19	0.1	0.3	13.7	25	0.46	0.185
117473	Soil	0.9	24.4	9.9	56	<0.1	13.0	7.1	240	2.58	7.7	3.3	1.2	16.8	15	<0.1	0.4	3.5	31	0.25	0.106
117474	Soil	0.8	17.2	11.1	55	<0.1	13.6	6.8	327	2.46	6.3	3.2	1.0	21.6	17	0.1	0.4	2.0	31	0.32	0.119
117475	Soil	0.9	22.4	10.5	63	<0.1	12.0	6.4	303	2.43	5.7	4.2	<0.5	16.1	16	0.1	0.3	3.8	28	0.29	0.119
117476	Soil	0.6	13.3	15.7	83	<0.1	8.8	5.8	290	4.12	10.6	15.7	<0.5	65.0	10	<0.1	<0.1	1.6	25	0.24	0.141
117477	Soil	0.7	9.7	17.4	75	<0.1	7.7	5.2	332	3.36	4.6	6.2	<0.5	35.2	5	<0.1	0.2	0.7	20	0.13	0.094
117478	Soil	0.9	20.5	21.9	62	<0.1	9.6	5.8	474	3.15	3.6	8.1	1.0	35.6	7	<0.1	0.3	0.6	22	0.11	0.068
117479	Soil	0.6	11.8	9.7	85	<0.1	11.8	7.3	465	3.57	3.7	5.1	<0.5	46.4	6	<0.1	0.2	0.3	31	0.25	0.166
117480	Soil	1.0	8.6	29.3	72	<0.1	8.0	5.0	384	3.33	4.7	10.5	0.7	53.5	5	<0.1	0.2	0.5	16	0.13	0.106
117481	Soil	0.3	4.6	16.0	53	<0.1	3.7	2.5	443	1.72	1.1	2.4	<0.5	26.0	14	<0.1	0.2	0.3	4	0.35	0.121
117482	Soil	0.8	14.5	22.4	46	<0.1	12.0	4.0	546	2.41	6.9	11.7	0.9	23.7	20	0.1	0.5	1.2	13	0.32	0.095
117483	Soil	0.7	22.3	9.6	54	<0.1	17.0	7.0	285	2.00	10.1	0.8	4.3	6.9	21	<0.1	0.7	0.2	34	0.27	0.063
117484	Soil	1.0	19.8	14.7	68	<0.1	18.4	8.4	325	2.70	8.5	5.1	3.2	13.3	15	<0.1	0.6	0.4	38	0.16	0.052
117485	Soil	0.7	8.4	8.3	51	<0.1	4.0	3.2	340	1.99	7.0	16.6	<0.5	29.3	4	<0.1	0.1	1.5	8	0.14	0.089
117486	Soil	0.5	15.1	11.9	75	<0.1	8.7	6.6	416	3.37	5.6	9.6	0.6	42.8	11	<0.1	0.3	6.0	30	0.13	0.062
117487	Soil	0.2	10.6	13.3	66	<0.1	6.4	5.0	456	2.70	1.6	8.2	0.8	39.0	4	<0.1	<0.1	0.5	28	0.14	0.083
117488	Soil	0.6	9.7	13.7	57	<0.1	4.0	3.3	391	2.25	2.3	12.2	<0.5	37.6	4	<0.1	<0.1	0.3	11	0.10	0.070
117489	Soil	1.0	14.4	12.8	74	<0.1	8.9	5.7	502	3.61	8.6	13.1	<0.5	52.5	6	<0.1	0.2	0.9	20	0.14	0.085

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Project: Burnham
 Report Date: August 04, 2011

Page: 8 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
117460	Soil	16	23	0.36	123	0.042	1	1.70	0.006	0.09	1.7	0.03	1.9	0.2	<0.05	6	0.5	<0.2
117461	Soil	27	28	0.48	320	0.044	1	1.53	0.008	0.08	1.7	0.05	3.9	0.1	<0.05	5	0.7	<0.2
117462	Soil	21	24	0.41	134	0.042	1	1.36	0.007	0.07	2.9	0.03	2.2	0.1	<0.05	4	0.6	<0.2
117463	Soil	24	24	0.42	206	0.042	1	1.44	0.007	0.06	2.0	0.03	2.9	0.1	<0.05	5	0.8	<0.2
117464	Soil	17	28	0.46	166	0.053	1	1.75	0.007	0.07	2.2	0.03	2.8	0.2	<0.05	6	0.7	<0.2
117465	Soil	18	28	0.52	235	0.062	<1	1.47	0.009	0.07	3.8	0.03	3.0	0.1	<0.05	5	0.6	<0.2
117466	Soil	17	25	0.51	259	0.048	<1	1.38	0.008	0.05	1.6	0.03	3.0	<0.1	<0.05	5	0.8	<0.2
117467	Soil	16	25	0.42	177	0.038	1	1.57	0.007	0.06	1.5	0.03	2.5	<0.1	<0.05	5	0.6	<0.2
117468	Soil	23	24	0.43	325	0.059	<1	1.38	0.007	0.09	5.3	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
117469	Soil	17	23	0.37	204	0.030	<1	1.48	0.007	0.06	2.0	0.05	1.8	0.1	<0.05	5	<0.5	<0.2
117470	Soil	26	19	0.34	157	0.056	<1	1.28	0.009	0.16	3.5	0.03	1.8	0.2	<0.05	5	0.7	<0.2
117471	Soil	24	24	0.42	265	0.042	<1	1.40	0.007	0.06	2.5	0.03	3.7	0.1	<0.05	4	0.5	<0.2
117472	Soil	55	14	0.40	222	0.025	<1	1.51	0.008	0.15	15.4	<0.01	2.6	0.2	<0.05	8	0.9	0.3
117473	Soil	34	18	0.32	222	0.032	<1	1.16	0.006	0.06	7.4	0.02	2.8	0.1	<0.05	4	1.0	<0.2
117474	Soil	42	20	0.39	223	0.056	<1	1.42	0.007	0.20	3.1	0.02	3.0	0.2	<0.05	6	0.8	<0.2
117475	Soil	40	16	0.30	192	0.040	<1	1.24	0.006	0.13	15.1	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
117476	Soil	89	11	0.20	47	0.037	<1	1.39	0.008	0.24	0.3	<0.01	3.9	0.4	<0.05	6	0.7	<0.2
117477	Soil	50	13	0.24	93	0.006	<1	1.54	0.005	0.14	0.3	0.02	1.5	0.2	<0.05	7	<0.5	<0.2
117478	Soil	67	12	0.22	112	0.012	<1	1.14	0.006	0.10	0.2	0.01	3.1	0.2	<0.05	5	0.7	<0.2
117479	Soil	67	18	0.36	100	0.041	<1	2.07	0.006	0.30	0.4	<0.01	2.5	0.3	<0.05	9	1.1	<0.2
117480	Soil	95	11	0.14	79	0.003	<1	1.31	0.005	0.11	0.2	0.01	1.7	0.2	<0.05	4	1.0	<0.2
117481	Soil	37	4	0.11	108	0.001	<1	0.90	0.004	0.14	<0.1	0.01	1.0	0.2	<0.05	2	1.0	<0.2
117482	Soil	41	9	0.12	155	0.003	<1	0.68	0.004	0.08	1.7	0.02	2.5	0.1	<0.05	2	1.0	<0.2
117483	Soil	17	21	0.35	249	0.044	<1	1.03	0.009	0.05	0.2	0.02	2.7	<0.1	<0.05	3	0.7	<0.2
117484	Soil	25	23	0.41	205	0.030	<1	1.52	0.008	0.07	0.3	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
117485	Soil	31	7	0.09	64	0.041	<1	0.93	0.007	0.25	0.5	0.01	1.7	0.6	<0.05	4	0.7	<0.2
117486	Soil	71	16	0.31	171	0.034	<1	1.88	0.006	0.25	1.0	0.02	3.8	0.5	<0.05	9	0.8	<0.2
117487	Soil	56	13	0.32	86	0.083	<1	1.98	0.006	0.50	1.1	<0.01	4.3	0.7	<0.05	8	0.6	<0.2
117488	Soil	63	6	0.12	52	0.011	<1	1.15	0.004	0.15	0.6	<0.01	2.4	0.4	<0.05	5	0.9	<0.2
117489	Soil	74	12	0.20	102	0.026	<1	1.72	0.006	0.29	0.5	0.01	3.4	0.6	<0.05	7	1.0	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 9 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method Analyte	1DX15																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
117490	Soil	0.9	9.1	11.8	75	<0.1	7.5	5.0	247	3.40	5.3	11.3	1.0	54.3	5	<0.1	0.2	0.5	25	0.13	0.074
117491	Soil	1.3	7.9	14.8	81	<0.1	10.5	5.6	326	3.92	5.3	15.6	0.8	46.4	3	<0.1	0.2	0.2	26	0.13	0.095
117492	Soil	0.9	13.8	14.8	85	<0.1	8.4	5.2	322	4.27	4.8	13.7	1.4	59.3	7	<0.1	0.2	0.8	26	0.24	0.125
117493	Soil	1.1	13.3	12.6	80	<0.1	9.5	6.0	217	3.34	4.9	7.7	0.9	55.7	5	<0.1	0.2	0.1	33	0.13	0.087
117494	Soil	0.7	11.3	14.0	78	<0.1	11.3	6.4	374	3.84	7.1	6.4	<0.5	43.2	6	<0.1	0.2	0.3	44	0.20	0.129
117495	Soil	1.2	5.8	11.1	60	<0.1	6.6	4.3	608	2.46	3.0	7.0	0.8	30.0	3	<0.1	0.2	0.2	18	0.10	0.106
117496	Soil	1.6	11.4	14.9	65	<0.1	13.2	8.1	529	3.33	7.6	7.1	2.7	25.8	7	<0.1	0.4	0.3	35	0.14	0.107
117497	Soil	1.4	16.2	14.3	74	<0.1	12.7	6.8	333	3.52	8.4	11.3	2.7	37.0	11	<0.1	0.5	0.7	28	0.13	0.043
117498	Soil	1.1	4.5	15.9	41	<0.1	4.4	2.9	141	1.73	8.1	6.3	0.8	39.6	2	<0.1	0.2	0.4	8	0.05	0.058
117499	Soil	1.5	9.0	14.6	83	<0.1	12.3	6.6	351	3.34	16.7	7.5	<0.5	20.3	6	<0.1	0.4	0.3	34	0.12	0.095
117500	Soil	1.7	17.1	15.1	47	<0.1	7.7	2.8	162	2.73	38.3	10.0	1.7	24.2	8	<0.1	0.6	1.7	18	0.10	0.129
117501	Soil	1.0	25.3	12.6	63	<0.1	21.6	7.3	298	2.73	10.0	4.2	2.7	16.5	15	0.1	0.9	0.2	42	0.18	0.042
117502	Soil	1.1	12.7	17.2	54	<0.1	14.3	6.5	217	2.77	8.3	3.5	1.8	17.1	8	<0.1	0.5	0.2	28	0.07	0.026
117503	Soil	1.1	13.2	20.6	51	<0.1	11.2	7.3	370	2.56	8.1	5.4	2.8	24.9	9	<0.1	0.5	0.3	24	0.11	0.039
117504	Soil	0.8	11.9	14.4	36	<0.1	10.4	4.2	161	1.64	11.1	5.6	3.4	15.4	8	<0.1	0.4	0.6	21	0.12	0.038
117505	Soil	1.0	13.7	13.6	48	<0.1	13.9	5.8	180	2.27	7.6	3.9	3.5	11.7	11	<0.1	0.5	0.4	34	0.14	0.025
117506	Soil	0.9	15.9	13.5	41	<0.1	13.2	5.6	293	1.67	8.3	4.6	3.5	13.7	13	<0.1	0.5	0.6	26	0.21	0.050
117507	Soil	1.1	21.7	12.0	62	<0.1	18.0	7.3	259	2.57	10.0	2.3	3.5	8.4	19	<0.1	0.8	0.4	42	0.23	0.038
105314	Soil	1.1	12.9	16.4	48	<0.1	12.4	7.0	231	4.55	6.9	1.6	<0.5	19.7	7	0.1	0.3	0.3	54	0.09	0.053
105315	Soil	0.8	15.6	11.2	82	<0.1	20.7	11.9	285	4.32	8.2	1.7	1.5	24.5	7	<0.1	0.3	0.2	57	0.11	0.051
105316	Soil	1.2	17.3	13.9	63	<0.1	23.4	8.8	189	3.55	15.2	0.7	1.4	9.1	10	0.1	0.7	0.2	60	0.10	0.052
105317	Soil	1.3	17.8	12.5	76	<0.1	25.1	12.4	268	3.84	10.6	1.3	0.8	18.2	11	0.1	0.6	0.2	66	0.13	0.036
105318	Soil	1.0	11.2	12.5	87	<0.1	14.4	10.0	592	3.66	9.6	1.0	1.7	21.3	10	<0.1	0.3	0.3	55	0.13	0.101
105319	Soil	1.0	28.9	10.6	64	<0.1	22.1	9.8	280	3.11	10.7	3.0	3.6	16.6	16	<0.1	0.7	0.2	52	0.21	0.043
105320	Soil	1.2	17.1	11.8	67	<0.1	21.4	8.7	230	3.59	11.1	1.0	1.4	18.4	10	0.1	0.6	0.2	57	0.13	0.033
105321	Soil	1.3	18.8	12.4	56	<0.1	19.1	8.9	283	3.27	11.3	3.4	3.5	22.0	13	<0.1	0.7	0.2	61	0.12	0.025
105322	Soil	0.7	14.4	9.9	68	<0.1	20.8	10.1	244	4.08	9.0	1.0	1.0	20.1	12	<0.1	0.3	0.5	54	0.13	0.029
105323	Soil	1.2	20.1	11.1	73	<0.1	21.5	10.0	270	4.21	7.1	2.3	1.4	34.6	11	<0.1	0.5	0.4	56	0.16	0.034
105324	Soil	1.2	39.0	10.4	62	<0.1	28.8	8.6	264	3.12	12.8	2.1	6.6	10.8	19	0.1	0.9	0.2	55	0.22	0.032
105325	Soil	1.2	21.7	12.1	61	<0.1	23.0	9.6	203	3.44	14.1	0.7	5.1	14.1	13	<0.1	0.8	0.2	60	0.12	0.023

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Page: 9 of 12 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
117490	Soil	95	13	0.25	81	0.047	2	1.86	0.007	0.33	0.3	0.01	4.2	0.7	<0.05	8	<0.5	<0.2
117491	Soil	72	16	0.25	66	0.011	<1	1.92	0.006	0.24	0.1	0.02	3.4	0.3	<0.05	9	<0.5	<0.2
117492	Soil	98	13	0.33	70	0.130	2	2.09	0.009	0.70	0.4	0.02	4.6	1.0	<0.05	9	0.6	<0.2
117493	Soil	38	18	0.35	97	0.077	1	2.12	0.008	0.45	0.1	0.02	4.2	0.7	<0.05	10	<0.5	<0.2
117494	Soil	49	19	0.49	151	0.179	<1	2.47	0.008	0.66	0.5	0.01	5.2	1.1	<0.05	12	<0.5	<0.2
117495	Soil	35	13	0.16	78	0.008	<1	1.03	0.007	0.11	0.1	<0.01	2.1	0.1	<0.05	6	<0.5	<0.2
117496	Soil	27	20	0.32	136	0.025	2	1.78	0.007	0.15	0.2	0.02	3.1	0.3	<0.05	6	0.5	<0.2
117497	Soil	86	17	0.29	172	0.041	1	1.61	0.008	0.21	0.3	0.03	4.7	0.5	<0.05	7	1.0	<0.2
117498	Soil	46	8	0.05	41	0.002	1	1.01	0.005	0.08	0.1	0.01	1.5	0.2	<0.05	3	<0.5	<0.2
117499	Soil	13	17	0.30	98	0.034	<1	2.22	0.007	0.30	0.5	0.02	3.6	0.6	<0.05	8	0.8	<0.2
117500	Soil	33	12	0.11	89	0.007	2	1.68	0.006	0.14	0.5	0.01	1.7	0.3	<0.05	5	<0.5	<0.2
117501	Soil	40	24	0.41	190	0.048	1	1.39	0.011	0.09	0.2	0.04	4.2	0.1	<0.05	4	<0.5	<0.2
117502	Soil	18	18	0.24	100	0.013	<1	1.58	0.006	0.10	0.2	<0.01	2.6	0.2	<0.05	4	<0.5	<0.2
117503	Soil	26	15	0.23	115	0.018	2	1.27	0.008	0.10	0.2	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
117504	Soil	19	15	0.19	97	0.012	1	1.08	0.005	0.08	0.2	0.01	1.6	0.2	<0.05	3	<0.5	<0.2
117505	Soil	21	20	0.34	142	0.029	<1	1.40	0.009	0.07	0.2	0.02	2.7	0.2	<0.05	4	<0.5	<0.2
117506	Soil	21	16	0.24	179	0.035	<1	0.98	0.010	0.08	0.2	0.03	2.4	0.1	<0.05	3	<0.5	<0.2
117507	Soil	23	24	0.41	284	0.051	2	1.25	0.010	0.07	0.2	0.04	3.6	0.1	<0.05	4	<0.5	<0.2
105314	Soil	17	22	0.43	127	0.123	<1	2.31	0.009	0.36	0.3	0.02	3.4	0.4	<0.05	13	<0.5	<0.2
105315	Soil	26	27	0.59	192	0.186	1	2.82	0.013	0.49	0.3	0.02	5.7	0.6	<0.05	11	<0.5	<0.2
105316	Soil	13	30	0.47	165	0.069	2	2.55	0.008	0.11	0.2	0.04	3.1	0.2	<0.05	7	<0.5	<0.2
105317	Soil	24	35	0.56	241	0.130	1	2.74	0.011	0.22	0.2	0.02	4.4	0.3	<0.05	9	<0.5	<0.2
105318	Soil	18	24	0.43	173	0.109	1	2.43	0.007	0.30	0.2	0.03	3.7	0.4	<0.05	9	<0.5	<0.2
105319	Soil	56	30	0.52	268	0.086	1	1.68	0.012	0.12	0.2	0.06	5.2	0.2	<0.05	6	0.8	<0.2
105320	Soil	19	30	0.52	200	0.104	1	2.18	0.008	0.19	0.2	0.03	3.7	0.3	<0.05	7	<0.5	<0.2
105321	Soil	80	36	0.50	162	0.078	1	2.04	0.009	0.08	0.2	0.04	6.5	0.1	<0.05	6	<0.5	<0.2
105322	Soil	16	28	0.64	222	0.211	<1	2.63	0.012	0.49	1.6	0.01	5.4	0.7	<0.05	12	<0.5	<0.2
105323	Soil	49	29	0.64	160	0.210	<1	2.36	0.011	0.49	0.3	0.02	5.6	0.6	<0.05	11	<0.5	<0.2
105324	Soil	25	32	0.54	284	0.079	1	1.52	0.019	0.10	0.3	0.08	6.1	<0.1	<0.05	5	<0.5	<0.2
105325	Soil	11	33	0.52	189	0.101	3	2.13	0.008	0.17	0.3	<0.01	3.7	0.2	<0.05	7	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 10 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
105326	Soil	1.4	16.3	9.0	87	<0.1	20.5	11.8	272	5.13	8.9	1.4	1.4	32.1	8	<0.1	0.3	0.4	67	0.08	0.023
105327	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
105328	Soil	1.2	19.0	10.2	63	<0.1	17.2	9.4	283	3.77	6.0	2.4	2.4	34.5	13	<0.1	0.4	0.2	48	0.22	0.056
105329	Soil	1.3	18.3	11.8	78	<0.1	17.2	10.2	252	4.11	9.1	1.2	1.9	19.5	14	<0.1	0.4	0.2	56	0.16	0.028
105330	Soil	1.2	26.7	16.8	77	<0.1	21.3	10.3	296	4.86	7.3	1.9	3.0	45.9	12	<0.1	0.5	0.3	56	0.14	0.034
105331	Soil	1.0	16.6	16.1	61	<0.1	17.0	8.8	294	2.68	10.1	<0.1	2.1	14.6	7	0.1	0.5	0.3	39	0.07	0.035
105332	Soil	0.6	9.1	32.3	54	<0.1	7.5	3.9	305	2.06	3.0	2.3	1.0	32.7	15	<0.1	0.1	1.4	15	0.26	0.072
105333	Soil	0.6	10.4	15.7	80	<0.1	10.3	6.8	400	3.34	4.8	5.2	0.9	53.5	6	<0.1	0.2	0.3	31	0.24	0.137
105334	Soil	0.5	8.0	10.9	57	<0.1	10.1	5.7	341	2.32	4.2	10.9	1.1	50.6	5	<0.1	0.2	0.2	22	0.16	0.094
105335	Soil	0.3	8.5	17.1	70	<0.1	8.8	5.3	380	2.77	3.3	10.2	1.1	47.4	6	0.1	0.1	0.4	30	0.22	0.115
105336	Soil	1.2	12.5	13.6	65	<0.1	17.3	8.1	356	2.91	9.4	5.0	3.4	27.2	9	<0.1	0.5	0.2	43	0.16	0.081
105337	Soil	0.5	12.3	13.3	71	<0.1	8.5	6.6	418	3.03	3.3	15.3	<0.5	41.3	9	<0.1	0.1	0.3	28	0.24	0.127
105338	Soil	1.0	10.9	9.0	78	<0.1	9.8	4.4	285	3.40	4.2	13.4	<0.5	53.7	18	0.1	0.2	0.2	24	0.22	0.068
105339	Soil	1.1	16.1	13.2	67	<0.1	16.7	9.4	336	3.06	13.0	4.4	3.2	17.7	9	0.1	0.5	2.8	45	0.11	0.068
109321	Soil	0.8	12.3	10.7	54	<0.1	9.6	4.5	149	2.92	3.5	2.0	1.0	35.9	10	<0.1	0.2	0.3	24	0.13	0.043
109322	Soil	1.1	15.2	15.1	64	<0.1	18.1	8.9	256	3.27	11.5	1.1	0.7	13.7	11	<0.1	0.5	0.3	53	0.09	0.034
109323	Soil	1.1	18.0	11.1	64	<0.1	21.4	8.4	212	3.01	11.8	0.7	1.6	8.8	11	0.1	0.6	0.3	54	0.11	0.122
109324	Soil	1.0	15.0	16.8	68	<0.1	19.2	9.1	263	3.43	9.7	1.1	1.8	20.9	11	<0.1	0.4	0.3	46	0.10	0.034
109325	Soil	0.5	8.2	7.3	44	<0.1	14.1	6.7	179	2.69	3.8	1.3	0.8	21.5	8	<0.1	0.1	0.2	39	0.12	0.042
109326	Soil	0.7	15.3	12.1	42	<0.1	17.4	7.7	184	2.78	8.7	0.9	2.3	17.5	9	<0.1	0.5	0.2	41	0.09	0.031
109327	Soil	1.0	9.7	12.1	44	<0.1	15.1	5.9	152	2.36	8.7	0.8	1.6	15.2	12	<0.1	0.3	0.2	39	0.10	0.036
109328	Soil	1.1	11.5	14.1	55	<0.1	15.2	7.2	255	2.97	8.7	0.8	0.5	12.9	10	<0.1	0.5	0.2	45	0.10	0.045
109329	Soil	0.8	12.2	14.3	68	<0.1	13.9	7.7	243	3.47	7.7	1.7	<0.5	27.7	7	<0.1	0.3	0.4	40	0.11	0.052
109330	Soil	0.9	11.5	14.9	59	<0.1	12.4	6.6	306	3.08	9.0	1.0	<0.5	18.7	9	<0.1	0.4	0.3	44	0.11	0.151
109331	Soil	1.0	13.7	9.9	53	<0.1	15.6	5.9	204	2.56	9.7	1.4	1.7	19.3	9	<0.1	0.5	0.2	39	0.08	0.034
109332	Soil	1.0	10.5	14.5	67	<0.1	15.0	8.8	400	2.96	10.7	0.9	1.4	14.9	9	0.1	0.5	0.3	46	0.11	0.051
109333	Soil	0.8	11.9	11.6	68	<0.1	9.7	6.5	239	3.21	6.2	0.8	0.5	28.2	6	<0.1	0.3	0.3	39	0.05	0.019
109334	Soil	1.1	14.7	12.1	58	<0.1	19.0	9.7	224	2.82	12.5	0.6	1.6	8.9	9	<0.1	0.6	0.2	48	0.07	0.039
109335	Soil	1.2	9.0	12.1	61	<0.1	12.7	8.2	241	2.94	10.0	0.4	1.0	5.0	9	<0.1	0.6	0.2	62	0.07	0.061
109336	Soil	1.7	12.4	12.7	73	<0.1	16.3	8.8	311	3.74	10.9	1.7	2.2	19.1	10	<0.1	0.5	0.3	59	0.10	0.099

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Project: Burnham
 Report Date: August 04, 2011

Page: 10 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
105326	Soil	31	29	0.68	227	0.313	<1	3.35	0.013	0.91	0.4	0.01	8.0	1.1	<0.05	14	<0.5	<0.2
105327	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
105328	Soil	70	27	0.55	221	0.169	<1	1.97	0.012	0.48	0.2	0.04	5.4	0.4	<0.05	9	<0.5	<0.2
105329	Soil	28	29	0.58	255	0.224	<1	2.11	0.011	0.60	0.3	0.02	6.4	0.7	<0.05	10	<0.5	<0.2
105330	Soil	54	28	0.61	237	0.253	<1	2.63	0.013	0.83	0.3	0.02	7.5	0.9	<0.05	14	<0.5	<0.2
105331	Soil	22	24	0.38	106	0.012	<1	1.86	0.005	0.07	0.2	0.02	2.2	0.2	<0.05	5	0.6	<0.2
105332	Soil	70	11	0.25	102	0.006	<1	1.51	0.004	0.12	0.1	<0.01	1.8	0.2	<0.05	6	1.2	<0.2
105333	Soil	69	19	0.33	117	0.088	<1	2.21	0.007	0.47	0.2	<0.01	3.8	0.8	<0.05	9	1.7	<0.2
105334	Soil	63	14	0.27	103	0.113	<1	2.08	0.006	0.47	0.3	0.01	3.7	0.8	<0.05	8	2.0	<0.2
105335	Soil	80	16	0.32	101	0.122	<1	2.01	0.009	0.58	8.7	<0.01	4.7	0.9	<0.05	10	1.6	<0.2
105336	Soil	49	29	0.40	114	0.092	<1	1.89	0.007	0.33	0.3	0.02	3.5	0.5	<0.05	7	1.7	<0.2
105337	Soil	118	16	0.27	107	0.055	<1	1.59	0.008	0.35	1.0	<0.01	3.1	0.4	<0.05	9	2.7	<0.2
105338	Soil	88	14	0.19	144	0.008	<1	1.33	0.008	0.14	0.8	<0.01	3.5	0.2	<0.05	6	2.2	<0.2
105339	Soil	32	28	0.42	134	0.048	1	1.96	0.006	0.15	0.7	0.02	2.9	0.3	<0.05	6	0.8	<0.2
109321	Soil	13	16	0.20	110	0.011	<1	1.81	0.006	0.11	0.1	<0.01	3.1	0.2	<0.05	8	0.5	<0.2
109322	Soil	15	29	0.46	139	0.097	1	2.19	0.007	0.21	0.2	0.02	2.8	0.3	<0.05	8	<0.5	<0.2
109323	Soil	13	29	0.46	157	0.064	1	2.05	0.007	0.14	0.2	0.01	2.9	0.2	<0.05	7	<0.5	<0.2
109324	Soil	15	25	0.50	183	0.124	1	2.57	0.008	0.29	0.2	0.02	3.4	0.4	<0.05	10	<0.5	<0.2
109325	Soil	16	16	0.81	120	0.116	<1	2.30	0.007	0.27	0.2	<0.01	3.7	0.3	<0.05	12	<0.5	<0.2
109326	Soil	12	25	0.55	122	0.050	<1	1.92	0.006	0.09	0.2	0.02	2.8	0.1	<0.05	7	<0.5	<0.2
109327	Soil	9	21	0.38	145	0.020	<1	1.98	0.005	0.10	0.1	0.03	2.4	0.1	<0.05	6	<0.5	<0.2
109328	Soil	11	25	0.41	177	0.095	<1	2.01	0.009	0.32	0.2	0.01	2.9	0.4	<0.05	9	<0.5	<0.2
109329	Soil	19	22	0.43	115	0.142	<1	2.38	0.008	0.39	0.3	0.01	3.7	0.5	<0.05	12	<0.5	<0.2
109330	Soil	18	22	0.38	152	0.066	<1	2.09	0.005	0.33	0.2	0.01	3.1	0.4	<0.05	9	<0.5	<0.2
109331	Soil	21	22	0.38	105	0.053	<1	1.69	0.007	0.17	0.2	0.01	2.4	0.2	<0.05	6	0.6	<0.2
109332	Soil	11	23	0.38	160	0.067	<1	1.92	0.006	0.22	0.2	0.02	2.6	0.3	<0.05	8	<0.5	<0.2
109333	Soil	16	21	0.40	132	0.129	<1	2.32	0.007	0.46	0.2	0.02	4.1	0.6	<0.05	10	<0.5	<0.2
109334	Soil	12	27	0.44	202	0.053	<1	1.94	0.006	0.15	0.1	0.02	2.7	0.2	<0.05	6	0.6	<0.2
109335	Soil	11	26	0.35	148	0.033	<1	1.76	0.006	0.07	0.2	0.03	2.3	0.1	<0.05	6	0.6	<0.2
109336	Soil	30	30	0.42	229	0.124	1	2.42	0.007	0.45	0.2	0.02	3.7	0.6	<0.05	10	0.9	<0.2

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Page: 11 of 12 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
109337	Soil	1.5	10.4	13.2	65	<0.1	15.0	5.9	180	2.77	9.4	0.9	4.6	16.6	9	<0.1	0.4	0.7	41	0.09	0.068
109338	Soil	0.9	15.5	14.2	54	<0.1	16.5	6.8	195	2.56	8.1	3.3	1.2	35.4	16	<0.1	0.4	0.3	42	0.21	0.051
109339	Soil	0.9	18.6	12.8	66	<0.1	22.3	9.9	248	3.45	14.5	1.1	2.8	13.7	8	<0.1	0.7	0.5	50	0.08	0.037
109340	Soil	1.0	17.7	14.8	65	<0.1	21.2	9.1	253	3.66	16.9	1.0	1.9	12.6	8	<0.1	0.7	0.5	54	0.07	0.032
109341	Soil	1.2	11.8	11.5	63	<0.1	13.9	8.3	240	3.00	10.2	1.2	1.1	13.6	11	<0.1	0.5	0.3	56	0.10	0.053
109342	Soil	1.1	9.0	12.6	68	<0.1	14.6	9.5	301	2.85	7.2	0.8	1.1	9.7	10	<0.1	0.5	0.2	58	0.10	0.075
109343	Soil	1.1	11.4	14.2	57	<0.1	12.1	5.7	196	2.88	7.0	1.0	3.0	23.2	9	<0.1	0.4	0.3	45	0.10	0.032
109344	Soil	0.8	11.1	11.2	76	<0.1	17.6	9.0	234	2.77	8.5	0.8	<0.5	10.8	10	0.1	0.5	0.3	55	0.10	0.102
109345	Soil	1.0	8.0	10.1	138	<0.1	13.0	7.9	417	3.11	4.4	1.3	1.3	17.9	11	0.1	0.3	2.2	43	0.12	0.098
109346	Soil	0.9	10.7	11.3	61	<0.1	16.8	7.1	252	2.79	10.1	0.6	0.6	8.3	13	<0.1	0.6	0.5	52	0.13	0.068
109347	Soil	1.4	10.4	11.2	61	<0.1	19.2	7.1	356	3.02	7.9	0.9	1.1	10.9	12	<0.1	0.4	0.3	50	0.13	0.072
109348	Soil	0.9	12.7	12.3	55	<0.1	18.3	7.8	266	2.70	11.2	1.5	0.7	11.2	14	<0.1	0.6	0.2	45	0.13	0.040
109349	Soil	0.9	9.2	9.7	53	<0.1	13.5	6.1	224	2.84	7.6	0.7	1.5	14.6	9	<0.1	0.3	0.3	38	0.11	0.051
109350	Soil	1.0	8.1	17.4	45	<0.1	12.6	6.0	187	2.76	6.4	0.6	1.5	3.9	13	<0.1	0.5	0.4	41	0.09	0.166
109351	Soil	1.1	7.0	15.0	58	<0.1	18.0	9.2	274	4.07	7.4	1.1	1.1	19.4	11	0.1	0.4	0.3	56	0.13	0.104
109352	Soil	0.6	8.4	11.3	63	<0.1	11.7	7.3	261	3.65	4.5	0.8	0.9	13.0	14	<0.1	0.2	0.3	36	0.13	0.051
109353	Soil	0.7	4.1	11.2	48	<0.1	8.6	4.9	192	2.63	2.1	1.4	<0.5	27.8	17	<0.1	0.1	0.4	20	0.37	0.156
109354	Soil	0.9	10.0	14.4	61	<0.1	15.4	7.0	261	3.32	5.9	1.3	1.1	19.8	13	<0.1	0.3	0.5	42	0.17	0.072
109355	Soil	0.9	12.7	13.8	59	<0.1	13.0	5.5	207	2.61	6.3	2.6	0.9	15.8	19	0.1	0.5	0.2	23	0.24	0.068
109356	Soil	1.1	17.0	9.1	65	<0.1	17.0	6.8	235	2.45	7.2	1.4	2.5	11.5	16	0.1	0.6	0.3	37	0.21	0.069
109357	Soil	1.0	16.8	10.8	52	<0.1	14.7	6.6	239	2.36	8.3	1.7	2.8	11.5	13	<0.1	0.5	0.3	37	0.16	0.057
109358	Soil	0.9	17.0	12.6	47	<0.1	14.6	6.6	222	2.48	9.4	1.7	4.3	15.9	11	<0.1	0.5	0.3	41	0.12	0.040
109359	Soil	0.9	19.3	9.2	58	<0.1	18.2	6.8	219	2.30	6.7	2.2	2.5	12.3	19	0.1	0.6	0.3	36	0.24	0.060
104343	Soil	1.2	20.4	12.6	58	<0.1	20.0	9.6	322	2.73	11.0	1.2	1.6	8.3	9	0.2	0.7	1.5	39	0.09	0.037
104344	Soil	1.3	29.2	10.9	49	<0.1	18.1	7.3	267	2.44	10.4	2.5	2.2	7.8	11	<0.1	0.7	0.8	42	0.10	0.035
104345	Soil	0.8	8.1	11.8	26	<0.1	8.5	3.3	98	1.75	6.9	0.4	1.2	1.0	8	0.1	0.5	0.8	46	0.07	0.027
104346	Soil	1.1	17.3	11.2	47	<0.1	15.6	6.6	218	2.63	9.6	1.4	<0.5	5.7	9	0.2	0.5	0.4	47	0.08	0.032
104347	Soil	1.2	17.1	11.4	49	<0.1	15.0	6.8	214	2.61	9.6	1.4	5.1	5.9	9	<0.1	0.6	0.4	48	0.08	0.034
104348	Soil	1.1	22.7	12.1	59	<0.1	21.7	9.7	306	2.71	11.4	1.4	6.1	6.1	15	0.1	0.7	1.0	42	0.15	0.055
104349	Soil	1.2	9.3	13.0	50	<0.1	10.0	5.4	240	2.91	8.7	1.4	0.8	7.4	7	0.1	0.5	1.4	51	0.07	0.046

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Project: Burnham
 Report Date: August 04, 2011

Page: 11 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
109337	Soil	21	25	0.31	141	0.031	<1	2.14	0.006	0.19	0.1	0.01	2.7	0.3	<0.05	8	<0.5	<0.2
109338	Soil	116	26	0.44	150	0.071	<1	1.83	0.008	0.16	0.2	0.02	3.2	0.2	<0.05	7	0.7	<0.2
109339	Soil	17	27	0.45	198	0.093	<1	2.58	0.006	0.24	0.2	0.02	3.2	0.4	<0.05	9	<0.5	<0.2
109340	Soil	16	30	0.47	194	0.076	<1	2.65	0.007	0.21	0.2	0.02	2.9	0.4	<0.05	8	0.6	<0.2
109341	Soil	23	29	0.40	187	0.054	<1	2.01	0.009	0.16	0.2	0.01	3.3	0.2	<0.05	7	<0.5	<0.2
109342	Soil	15	25	0.32	190	0.055	<1	1.94	0.006	0.14	0.1	0.01	2.6	0.2	<0.05	8	<0.5	<0.2
109343	Soil	37	24	0.43	124	0.075	<1	2.33	0.005	0.40	0.3	<0.01	4.2	0.5	<0.05	9	<0.5	<0.2
109344	Soil	16	26	0.42	174	0.054	<1	2.08	0.006	0.12	0.2	0.01	2.9	0.2	<0.05	7	<0.5	<0.2
109345	Soil	26	23	0.34	204	0.107	<1	2.17	0.006	0.34	0.4	0.02	3.3	0.5	<0.05	11	<0.5	<0.2
109346	Soil	13	27	0.42	154	0.058	<1	1.96	0.006	0.16	0.2	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
109347	Soil	15	28	0.48	181	0.100	<1	1.81	0.007	0.26	0.3	0.01	3.2	0.4	<0.05	8	<0.5	<0.2
109348	Soil	29	26	0.44	151	0.066	<1	1.56	0.006	0.13	0.2	0.01	2.4	0.2	<0.05	5	<0.5	<0.2
109349	Soil	11	20	0.42	95	0.104	<1	1.75	0.006	0.34	0.4	0.01	3.1	0.5	<0.05	8	<0.5	<0.2
109350	Soil	10	20	0.30	172	0.026	<1	1.46	0.005	0.09	0.3	0.01	1.7	0.2	<0.05	7	<0.5	<0.2
109351	Soil	17	27	0.56	169	0.194	<1	2.74	0.009	0.50	0.4	0.02	5.0	0.7	<0.05	13	<0.5	<0.2
109352	Soil	13	17	0.52	141	0.223	<1	2.26	0.007	0.67	0.3	<0.01	3.5	1.0	<0.05	13	<0.5	<0.2
109353	Soil	19	14	0.40	125	0.158	<1	1.79	0.007	0.56	0.2	<0.01	2.6	0.7	<0.05	9	<0.5	<0.2
109354	Soil	18	22	0.48	130	0.107	<1	1.87	0.007	0.32	0.2	0.01	3.1	0.4	<0.05	10	<0.5	<0.2
109355	Soil	45	17	0.33	183	0.011	<1	1.25	0.008	0.06	0.2	0.01	2.3	0.1	<0.05	3	<0.5	<0.2
109356	Soil	29	23	0.46	141	0.060	<1	1.43	0.008	0.11	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
109357	Soil	27	22	0.43	127	0.040	<1	1.33	0.007	0.07	0.2	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
109358	Soil	41	24	0.40	153	0.031	<1	1.63	0.006	0.07	0.2	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
109359	Soil	38	25	0.46	231	0.053	<1	1.37	0.008	0.08	0.2	0.04	3.2	0.2	<0.05	5	<0.5	<0.2
104343	Soil	14	23	0.42	159	0.035	<1	1.68	0.006	0.07	8.8	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
104344	Soil	34	25	0.42	216	0.040	<1	1.51	0.006	0.05	2.4	0.05	4.0	0.1	<0.05	4	<0.5	<0.2
104345	Soil	10	14	0.20	134	0.041	<1	1.10	0.004	0.03	1.0	0.02	1.0	0.1	<0.05	6	<0.5	<0.2
104346	Soil	16	24	0.38	162	0.046	<1	1.75	0.006	0.06	0.5	0.03	2.5	0.2	<0.05	5	0.5	<0.2
104347	Soil	16	24	0.38	161	0.046	<1	1.75	0.006	0.06	0.4	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
104348	Soil	16	26	0.51	214	0.050	<1	1.68	0.007	0.08	1.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
104349	Soil	14	21	0.29	122	0.038	<1	1.73	0.007	0.07	0.6	0.02	1.7	0.2	<0.05	7	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 12 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
104350	Soil	1.3	14.7	12.5	62	<0.1	10.7	5.9	264	2.81	7.1	2.9	5.5	8.9	9	0.1	0.5	2.1	37	0.10	0.054
104351	Soil	1.2	26.2	12.2	57	<0.1	15.5	6.9	257	2.85	7.9	3.4	1.3	12.2	9	<0.1	0.5	5.9	33	0.11	0.050
104352	Soil	1.0	12.6	11.9	46	<0.1	11.5	4.7	198	2.73	8.8	1.4	1.8	5.8	11	<0.1	0.5	1.1	46	0.10	0.108
104353	Soil	1.1	13.7	10.9	56	<0.1	15.8	6.4	231	3.07	9.6	1.1	2.4	5.6	10	<0.1	0.6	0.8	52	0.10	0.031
104354	Soil	1.2	17.1	11.1	57	<0.1	21.7	9.2	302	2.73	11.6	0.8	1.7	4.9	10	0.1	0.8	0.6	43	0.10	0.040
104355	Soil	1.1	13.6	10.1	57	<0.1	16.5	7.0	224	2.86	11.9	1.3	3.1	5.9	10	0.1	0.5	0.6	47	0.08	0.029
104356	Soil	0.7	12.1	9.1	65	<0.1	11.2	4.6	250	2.53	4.6	2.8	0.9	11.9	6	<0.1	0.4	2.0	23	0.07	0.041
104357	Soil	0.9	12.5	9.9	86	<0.1	11.1	5.3	306	3.18	5.2	3.9	<0.5	20.1	7	<0.1	0.3	0.7	20	0.18	0.102
104358	Soil	1.1	10.3	11.5	50	<0.1	12.8	5.9	200	2.91	12.7	1.0	0.6	4.6	10	<0.1	0.5	0.6	50	0.10	0.031
104359	Soil	1.3	12.0	11.2	64	<0.1	14.9	6.3	256	2.43	9.5	1.1	0.7	2.6	8	<0.1	0.6	0.9	45	0.07	0.034
104360	Soil	1.3	22.0	11.2	66	<0.1	18.0	7.4	371	2.50	8.5	4.1	3.4	7.3	11	<0.1	0.7	0.8	42	0.08	0.027
104361	Soil	1.1	19.7	13.4	58	<0.1	14.1	6.1	275	2.31	6.2	4.2	3.7	9.8	9	<0.1	0.5	1.5	32	0.11	0.041
104362	Soil	1.6	11.7	8.9	49	<0.1	10.7	3.8	163	2.34	7.4	1.8	0.7	8.1	9	0.1	0.4	1.5	32	0.09	0.064
104363	Soil	1.3	30.1	14.4	62	<0.1	24.5	8.6	313	2.83	11.6	2.7	4.2	9.5	10	<0.1	0.7	1.2	45	0.09	0.029
104364	Soil	1.2	8.4	11.4	34	<0.1	9.6	2.9	132	1.54	4.8	1.3	1.9	3.5	8	<0.1	0.3	2.3	33	0.07	0.018
104365	Soil	1.4	28.0	14.3	66	<0.1	23.3	9.2	279	2.54	9.4	2.4	2.5	8.1	13	<0.1	0.8	1.4	44	0.11	0.023
104366	Soil	1.5	65.6	11.2	54	<0.1	29.8	11.4	267	2.80	7.1	3.6	3.2	10.5	27	<0.1	0.4	6.6	51	0.29	0.035
104367	Soil	3.4	55.1	11.9	63	<0.1	43.4	15.3	301	4.24	4.7	2.8	2.2	6.5	22	<0.1	0.5	4.6	65	0.16	0.026
104368	Soil	1.7	33.9	10.1	53	0.1	37.5	13.5	233	3.08	7.0	0.8	4.0	4.3	9	<0.1	0.7	1.7	45	0.06	0.017
104369	Soil	1.0	42.3	12.1	41	<0.1	37.1	16.3	332	3.94	4.6	1.0	2.2	4.9	13	<0.1	0.5	1.9	50	0.06	0.019



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Project: Burnham
 Report Date: August 04, 2011

Page: 12 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000571.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
104350	Soil	19	19	0.32	143	0.030	<1	1.62	0.006	0.09	2.6	0.02	1.7	0.2	<0.05	6	<0.5	<0.2
104351	Soil	26	20	0.41	135	0.051	<1	1.93	0.007	0.14	9.0	0.03	2.2	0.3	<0.05	6	0.5	<0.2
104352	Soil	13	19	0.32	140	0.044	<1	1.26	0.006	0.08	2.5	0.02	1.5	0.2	<0.05	7	<0.5	<0.2
104353	Soil	15	27	0.44	143	0.044	<1	1.85	0.006	0.06	1.1	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
104354	Soil	10	26	0.47	132	0.043	<1	1.67	0.006	0.06	0.6	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
104355	Soil	11	25	0.44	169	0.047	<1	1.81	0.006	0.07	1.9	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
104356	Soil	15	13	0.29	109	0.048	<1	1.85	0.006	0.20	2.5	0.02	1.7	0.5	<0.05	7	<0.5	<0.2
104357	Soil	23	14	0.28	98	0.058	<1	2.09	0.008	0.25	0.8	0.02	1.5	0.6	<0.05	9	<0.5	<0.2
104358	Soil	12	23	0.41	133	0.038	<1	1.64	0.006	0.05	0.4	0.02	1.9	0.1	<0.05	6	0.6	<0.2
104359	Soil	10	26	0.38	142	0.028	<1	1.68	0.005	0.05	1.0	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
104360	Soil	19	24	0.39	179	0.044	<1	1.66	0.008	0.07	0.4	0.04	3.6	0.2	<0.05	5	0.6	<0.2
104361	Soil	17	20	0.32	136	0.042	<1	1.35	0.006	0.09	1.8	0.02	2.3	0.3	<0.05	4	<0.5	<0.2
104362	Soil	12	17	0.27	112	0.022	<1	1.23	0.005	0.08	1.7	0.01	1.4	0.2	<0.05	5	<0.5	<0.2
104363	Soil	12	29	0.49	217	0.038	<1	1.99	0.007	0.07	0.5	0.02	2.5	0.2	<0.05	5	0.6	<0.2
104364	Soil	12	17	0.22	117	0.022	<1	1.13	0.005	0.04	1.3	0.01	1.3	0.2	<0.05	5	<0.5	<0.2
104365	Soil	12	30	0.43	191	0.050	2	1.70	0.008	0.06	0.6	0.04	2.6	0.2	<0.05	5	<0.5	<0.2
104366	Soil	33	42	0.66	262	0.060	2	2.27	0.019	0.07	10.1	0.04	4.3	0.2	<0.05	7	<0.5	<0.2
104367	Soil	18	54	0.86	291	0.111	<1	2.61	0.015	0.30	5.1	0.02	5.0	0.4	<0.05	8	<0.5	<0.2
104368	Soil	9	36	0.60	122	0.081	2	1.80	0.008	0.24	2.1	0.02	2.8	0.3	<0.05	5	<0.5	<0.2
104369	Soil	10	47	0.78	148	0.119	<1	2.16	0.010	0.39	0.5	0.03	4.5	0.4	<0.05	6	<0.5	<0.2



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Project: Burnham
 Report Date: August 04, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000571.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
103327	Soil	0.8	21.2	9.7	66	<0.1	17.8	8.6	379	2.39	6.3	1.5	0.6	15.0	19	0.3	0.6	0.9	39	0.26	0.082
REP 103327	QC	0.8	21.8	9.6	66	<0.1	18.5	8.9	368	2.40	6.5	1.5	2.8	14.9	19	0.2	0.6	0.6	41	0.26	0.079
103331	Soil	1.5	19.4	18.2	40	<0.1	9.6	5.5	301	2.57	9.4	1.8	0.7	8.3	8	0.1	0.5	0.5	45	0.09	0.055
REP 103331	QC	1.4	21.5	17.6	43	<0.1	10.0	5.5	326	2.64	9.7	1.7	<0.5	8.5	8	0.1	0.5	0.5	47	0.10	0.062
103358	Soil	1.5	16.7	12.2	55	<0.1	17.4	7.4	210	2.62	7.4	2.0	<0.5	8.4	13	<0.1	0.3	0.3	50	0.17	0.039
REP 103358	QC	1.5	16.6	12.1	58	<0.1	18.2	7.5	218	2.63	7.9	2.0	1.9	8.6	14	<0.1	0.4	0.3	50	0.17	0.041
122003	Soil	1.1	48.6	14.1	92	<0.1	58.8	24.2	529	4.85	6.2	2.5	1.1	5.9	13	<0.1	0.4	0.5	52	0.05	0.033
REP 122003	QC	1.1	48.4	14.0	90	<0.1	56.8	24.1	518	4.73	5.2	2.4	<0.5	6.2	13	<0.1	0.3	0.5	50	0.06	0.032
122020	Soil	0.5	28.6	12.7	56	<0.1	13.9	5.5	323	3.03	4.4	1.1	2.5	3.8	49	<0.1	0.3	0.4	36	0.46	0.038
REP 122020	QC	0.6	28.0	13.3	58	<0.1	14.0	5.6	332	3.01	4.4	1.1	16.0	3.8	50	<0.1	0.2	0.4	36	0.45	0.040
122031	Soil	0.8	41.4	8.6	145	<0.1	32.2	20.7	784	5.41	2.2	1.2	<0.5	17.3	46	<0.1	0.2	0.2	91	0.88	0.278
REP 122031	QC	0.8	41.5	8.5	142	<0.1	31.1	20.2	795	5.37	2.1	1.2	<0.5	16.5	45	0.1	0.1	0.1	92	0.88	0.265
122049	Soil	1.2	10.8	12.3	37	<0.1	8.8	6.2	329	2.55	7.2	2.3	2.9	15.3	7	<0.1	0.3	0.4	31	0.09	0.047
REP 122049	QC	1.2	10.5	12.1	36	<0.1	8.5	6.0	326	2.50	6.7	2.3	1.9	15.8	7	<0.1	0.3	0.4	31	0.09	0.047
122059	Soil	0.8	15.1	11.1	50	<0.1	17.7	8.4	267	2.69	9.4	1.0	2.1	10.4	8	<0.1	0.6	0.3	43	0.08	0.031
REP 122059	QC	0.8	15.3	11.0	51	<0.1	17.6	8.6	275	2.65	9.2	1.0	1.0	10.7	9	<0.1	0.6	0.3	43	0.09	0.029
122078	Soil	1.0	28.1	12.2	68	<0.1	23.2	10.2	416	2.89	9.9	6.5	1.9	10.4	24	0.1	0.7	0.6	48	0.25	0.050
REP 122078	QC	0.9	27.5	12.2	68	<0.1	22.9	9.9	419	2.90	9.9	6.7	3.0	10.8	24	<0.1	0.6	0.6	48	0.25	0.048
117447	Soil	1.1	25.7	10.6	53	<0.1	17.5	7.1	266	2.31	7.8	2.1	4.6	6.7	13	0.1	0.6	5.7	39	0.17	0.057
REP 117447	QC	1.1	24.7	10.3	51	<0.1	17.2	6.7	262	2.25	7.8	2.0	3.2	6.7	13	<0.1	0.6	4.7	37	0.16	0.054
117464	Soil	1.2	22.4	12.7	65	<0.1	19.1	8.5	290	2.77	10.2	1.4	1.9	7.7	12	<0.1	0.6	1.8	50	0.13	0.058
REP 117464	QC	1.1	22.3	12.7	63	<0.1	18.1	8.1	287	2.80	10.1	1.4	2.4	7.7	12	<0.1	0.6	1.9	47	0.13	0.056
117481	Soil	0.3	4.6	16.0	53	<0.1	3.7	2.5	443	1.72	1.1	2.4	<0.5	26.0	14	<0.1	0.2	0.3	4	0.35	0.121
REP 117481	QC	0.3	4.3	16.6	55	<0.1	4.1	2.5	451	1.77	1.6	2.4	0.9	26.7	14	<0.1	0.2	0.3	3	0.33	0.121
117500	Soil	1.7	17.1	15.1	47	<0.1	7.7	2.8	162	2.73	38.3	10.0	1.7	24.2	8	<0.1	0.6	1.7	18	0.10	0.129
REP 117500	QC	1.4	15.7	14.8	46	<0.1	6.9	2.6	152	2.60	35.8	10.1	2.0	23.3	7	<0.1	0.6	1.8	18	0.08	0.133
105323	Soil	1.2	20.1	11.1	73	<0.1	21.5	10.0	270	4.21	7.1	2.3	1.4	34.6	11	<0.1	0.5	0.4	56	0.16	0.034
REP 105323	QC	1.1	20.0	11.2	70	<0.1	20.8	9.8	259	4.02	6.5	2.3	0.7	34.1	12	<0.1	0.4	0.4	54	0.15	0.034

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Project: Burnham
Report Date: August 04, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000571.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
103327	Soil	35	21	0.46	238	0.086	1	1.29	0.010	0.15	0.3	0.02	3.0	0.2	<0.05	5	<0.5	<0.2
REP 103327	QC	35	21	0.46	240	0.083	<1	1.29	0.009	0.15	0.4	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
103331	Soil	40	16	0.24	73	0.035	<1	1.21	0.006	0.11	0.2	0.01	1.8	0.2	<0.05	7	<0.5	<0.2
REP 103331	QC	40	17	0.24	73	0.035	<1	1.30	0.005	0.12	0.2	0.01	1.8	0.2	<0.05	7	0.6	<0.2
103358	Soil	23	28	0.41	253	0.056	<1	1.82	0.008	0.08	0.4	0.04	3.3	0.2	<0.05	7	<0.5	<0.2
REP 103358	QC	23	29	0.40	259	0.056	<1	1.80	0.009	0.08	0.5	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
122003	Soil	13	46	0.72	208	0.142	<1	2.46	0.011	0.55	0.1	0.01	3.5	0.5	0.06	8	0.6	<0.2
REP 122003	QC	13	45	0.72	209	0.138	<1	2.39	0.011	0.54	0.1	0.02	3.6	0.5	<0.05	8	<0.5	<0.2
122020	Soil	11	30	0.51	194	0.083	2	1.46	0.017	0.21	0.1	0.02	3.6	0.3	0.10	5	0.5	<0.2
REP 122020	QC	12	30	0.54	196	0.083	2	1.47	0.018	0.21	<0.1	0.02	3.5	0.3	0.10	5	0.9	<0.2
122031	Soil	38	45	1.37	326	0.229	1	2.82	0.017	0.72	0.2	<0.01	3.8	0.1	<0.05	15	<0.5	<0.2
REP 122031	QC	37	46	1.32	330	0.205	1	2.83	0.017	0.72	0.2	0.01	3.7	0.1	<0.05	16	0.6	<0.2
122049	Soil	19	15	0.25	110	0.014	<1	1.61	0.004	0.08	0.4	0.01	1.7	0.2	<0.05	6	<0.5	<0.2
REP 122049	QC	20	15	0.24	112	0.015	<1	1.58	0.004	0.08	0.3	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
122059	Soil	17	28	0.42	138	0.050	<1	1.99	0.006	0.11	0.2	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
REP 122059	QC	17	28	0.43	138	0.050	<1	2.02	0.006	0.11	0.2	0.03	2.3	0.2	<0.05	6	<0.5	<0.2
122078	Soil	24	27	0.52	333	0.057	<1	1.68	0.009	0.08	0.2	0.04	4.5	0.2	<0.05	5	<0.5	<0.2
REP 122078	QC	24	27	0.53	327	0.054	<1	1.62	0.009	0.09	0.2	0.04	4.5	0.2	<0.05	5	<0.5	<0.2
117447	Soil	20	22	0.44	125	0.046	1	1.29	0.007	0.07	3.4	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
REP 117447	QC	20	21	0.43	121	0.043	<1	1.28	0.007	0.07	3.6	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
117464	Soil	17	28	0.46	166	0.053	1	1.75	0.007	0.07	2.2	0.03	2.8	0.2	<0.05	6	0.7	<0.2
REP 117464	QC	17	26	0.45	165	0.048	1	1.74	0.007	0.07	2.3	0.03	2.7	0.2	<0.05	6	0.8	<0.2
117481	Soil	37	4	0.11	108	0.001	<1	0.90	0.004	0.14	<0.1	0.01	1.0	0.2	<0.05	2	1.0	<0.2
REP 117481	QC	38	4	0.11	109	0.001	<1	0.88	0.004	0.14	0.1	<0.01	1.1	0.2	<0.05	2	1.3	<0.2
117500	Soil	33	12	0.11	89	0.007	2	1.68	0.006	0.14	0.5	0.01	1.7	0.3	<0.05	5	<0.5	<0.2
REP 117500	QC	33	11	0.11	85	0.006	2	1.65	0.006	0.14	0.5	0.02	1.9	0.3	<0.05	4	<0.5	<0.2
105323	Soil	49	29	0.64	160	0.210	<1	2.36	0.011	0.49	0.3	0.02	5.6	0.6	<0.05	11	<0.5	<0.2
REP 105323	QC	49	28	0.63	162	0.203	<1	2.35	0.011	0.48	0.4	0.02	5.5	0.6	<0.05	11	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000571.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
109323	Soil	1.1	18.0	11.1	64	<0.1	21.4	8.4	212	3.01	11.8	0.7	1.6	8.8	11	0.1	0.6	0.3	54	0.11	0.122
REP 109323	QC	1.1	18.8	10.9	63	<0.1	20.6	8.2	214	3.01	11.7	0.7	1.3	8.9	11	0.1	0.6	0.3	53	0.11	0.122
109341	Soil	1.2	11.8	11.5	63	<0.1	13.9	8.3	240	3.00	10.2	1.2	1.1	13.6	11	<0.1	0.5	0.3	56	0.10	0.053
REP 109341	QC	1.2	11.6	11.6	62	<0.1	13.5	8.2	238	2.96	9.8	1.2	1.3	13.8	11	<0.1	0.5	0.3	56	0.11	0.053
109351	Soil	1.1	7.0	15.0	58	<0.1	18.0	9.2	274	4.07	7.4	1.1	1.1	19.4	11	0.1	0.4	0.3	56	0.13	0.104
REP 109351	QC	1.2	7.0	14.9	58	<0.1	17.0	8.8	262	4.02	7.0	1.1	0.7	19.1	12	<0.1	0.3	0.4	54	0.12	0.102
104350	Soil	1.3	14.7	12.5	62	<0.1	10.7	5.9	264	2.81	7.1	2.9	5.5	8.9	9	0.1	0.5	2.1	37	0.10	0.054
REP 104350	QC	1.6	15.0	12.2	61	0.1	11.2	6.0	266	2.83	6.7	3.0	2.9	8.7	9	0.1	0.4	2.4	37	0.09	0.056
Reference Materials																					
STD DS8	Standard	14.3	109.1	127.5	301	1.9	38.0	8.1	572	2.42	24.3	2.9	118.9	6.6	70	2.4	5.9	6.4	42	0.66	0.075
STD DS8	Standard	12.9	108.5	126.1	287	1.7	36.7	7.3	560	2.26	22.5	2.8	101.6	6.3	63	2.0	5.6	6.6	38	0.59	0.066
STD DS8	Standard	13.0	114.7	127.8	327	1.9	39.7	7.5	617	2.51	27.8	2.7	114.8	6.7	68	2.4	6.1	6.7	44	0.67	0.083
STD DS8	Standard	12.0	108.8	123.9	320	1.8	37.0	7.5	598	2.44	26.7	2.8	108.9	6.7	69	2.4	5.9	7.2	42	0.67	0.079
STD DS8	Standard	11.7	106.3	124.3	311	1.8	36.4	7.4	599	2.47	27.1	2.6	109.9	6.3	63	2.3	6.0	6.6	41	0.65	0.078
STD DS8	Standard	11.8	108.8	126.2	312	1.8	37.8	7.5	620	2.49	27.5	2.7	120.9	6.5	65	2.3	6.2	7.0	41	0.66	0.085
STD DS8	Standard	11.9	101.9	116.2	292	1.7	35.4	7.1	575	2.31	24.6	2.6	103.7	6.8	62	2.2	5.0	6.4	39	0.64	0.074
STD DS8	Standard	11.9	97.1	114.4	289	1.8	33.2	6.8	557	2.24	25.2	2.6	101.8	6.3	64	2.3	5.4	6.5	37	0.63	0.075
STD DS8	Standard	11.9	104.4	124.0	295	1.7	36.4	7.2	552	2.29	25.0	2.5	104.0	6.3	59	2.2	5.1	6.2	37	0.61	0.075
STD DS8	Standard	12.0	102.3	119.8	288	1.7	34.6	7.1	562	2.30	24.0	2.6	108.2	6.2	60	2.1	5.0	6.2	38	0.63	0.077
STD DS8	Standard	13.4	114.4	127.6	323	1.8	39.8	8.0	625	2.49	26.8	2.9	119.9	7.2	61	2.4	4.7	5.7	44	0.69	0.082
STD DS8	Standard	13.9	116.1	131.6	319	1.9	40.6	7.7	634	2.54	28.1	2.9	105.1	7.0	60	2.4	4.7	5.7	45	0.72	0.082
STD DS8	Standard	14.0	116.6	124.4	309	1.9	37.4	7.9	618	2.41	27.9	2.8	105.5	7.3	66	2.1	5.9	6.9	45	0.68	0.079
STD DS8	Standard	12.7	106.5	122.7	296	1.6	35.7	7.3	565	2.22	25.4	2.9	102.9	7.2	62	2.3	5.3	6.9	42	0.66	0.076
STD DS8	Standard	12.5	108.2	123.4	326	1.9	37.9	7.7	610	2.45	27.7	2.8	118.9	6.8	67	2.6	5.6	7.6	42	0.65	0.084
STD DS8	Standard	11.8	103.9	118.9	313	1.9	36.6	7.3	607	2.44	27.3	2.8	201.2	6.9	70	2.5	5.8	7.2	39	0.66	0.081
STD DS8	Standard	12.7	106.3	130.8	310	1.8	35.9	7.2	579	2.40	26.5	2.9	116.7	6.9	69	2.3	5.8	7.0	43	0.65	0.078
STD DS8	Standard	12.7	105.5	130.8	303	1.8	35.0	7.3	599	2.39	25.2	3.0	116.4	7.5	69	2.5	5.7	7.0	42	0.68	0.077
STD DS8	Standard	14.2	112.2	133.2	323	1.9	39.2	7.6	644	2.81	27.5	2.9	104.4	7.3	63	2.2	5.4	5.9	45	0.73	0.081
STD DS8	Standard	12.6	108.4	121.2	297	1.7	35.1	7.0	584	2.36	26.1	2.9	116.4	7.4	68	2.3	5.7	6.7	41	0.67	0.077

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Project: Burnham
Report Date: August 04, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000571.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
109323	Soil	13	29	0.46	157	0.064	1	2.05	0.007	0.14	0.2	0.01	2.9	0.2	<0.05	7	<0.5	<0.2
REP 109323	QC	12	29	0.46	154	0.061	<1	2.01	0.007	0.14	0.2	0.01	3.0	0.2	<0.05	7	0.7	<0.2
109341	Soil	23	29	0.40	187	0.054	<1	2.01	0.009	0.16	0.2	0.01	3.3	0.2	<0.05	7	<0.5	<0.2
REP 109341	QC	23	29	0.41	187	0.056	<1	2.02	0.007	0.16	0.2	0.01	3.2	0.2	<0.05	7	<0.5	<0.2
109351	Soil	17	27	0.56	169	0.194	<1	2.74	0.009	0.50	0.4	0.02	5.0	0.7	<0.05	13	<0.5	<0.2
REP 109351	QC	17	27	0.52	172	0.173	<1	2.75	0.008	0.50	0.3	0.03	4.8	0.7	<0.05	14	<0.5	<0.2
104350	Soil	19	19	0.32	143	0.030	<1	1.62	0.006	0.09	2.6	0.02	1.7	0.2	<0.05	6	<0.5	<0.2
REP 104350	QC	19	20	0.33	145	0.031	<1	1.65	0.006	0.09	2.8	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	121	0.61	273	0.117	3	0.88	0.085	0.44	2.8	0.19	1.7	5.0	0.16	4	5.3	4.5
STD DS8	Standard	14	114	0.58	261	0.115	3	0.77	0.073	0.38	2.8	0.19	1.9	5.0	0.14	4	4.5	4.1
STD DS8	Standard	14	122	0.62	279	0.126	3	0.90	0.083	0.42	3.0	0.23	2.1	5.4	0.20	5	6.0	4.9
STD DS8	Standard	14	115	0.61	289	0.124	2	0.89	0.084	0.41	3.1	0.20	1.9	5.4	0.15	4	4.2	4.9
STD DS8	Standard	12	114	0.61	266	0.115	2	0.85	0.075	0.40	3.0	0.19	1.8	5.5	0.18	4	5.1	5.0
STD DS8	Standard	13	118	0.61	277	0.120	2	0.87	0.078	0.41	3.0	0.22	1.9	5.6	0.18	5	6.0	4.9
STD DS8	Standard	13	109	0.56	262	0.104	3	0.84	0.082	0.39	2.7	0.20	2.0	5.1	0.17	4	5.4	4.9
STD DS8	Standard	13	105	0.57	268	0.099	3	0.83	0.081	0.40	2.6	0.22	1.8	5.0	0.16	4	5.5	4.9
STD DS8	Standard	12	107	0.57	256	0.102	3	0.85	0.083	0.38	2.7	0.20	1.9	5.2	0.13	4	4.9	4.8
STD DS8	Standard	13	109	0.58	268	0.102	2	0.84	0.077	0.39	2.6	0.20	1.8	5.3	0.13	4	4.8	4.8
STD DS8	Standard	15	122	0.63	288	0.113	3	0.94	0.094	0.43	2.9	0.22	2.0	5.4	0.17	5	5.6	5.0
STD DS8	Standard	14	122	0.64	274	0.111	3	0.94	0.097	0.45	3.0	0.20	2.0	5.4	0.16	5	5.7	4.9
STD DS8	Standard	15	123	0.65	272	0.119	3	0.91	0.089	0.41	2.8	0.21	2.3	5.6	0.16	4	5.0	5.2
STD DS8	Standard	14	113	0.57	265	0.113	2	0.84	0.083	0.40	2.8	0.19	2.0	5.2	0.15	4	5.0	4.5
STD DS8	Standard	12	117	0.59	273	0.108	3	0.86	0.082	0.43	2.9	0.22	1.9	5.4	0.15	5	5.7	5.1
STD DS8	Standard	14	109	0.59	284	0.105	3	0.85	0.087	0.41	2.8	0.21	1.8	5.2	0.15	4	5.0	5.0
STD DS8	Standard	13	113	0.60	273	0.109	4	0.89	0.087	0.40	2.8	0.21	1.9	5.2	0.15	4	6.3	4.9
STD DS8	Standard	14	113	0.61	281	0.115	4	0.88	0.089	0.43	3.0	0.21	2.1	5.3	0.16	4	6.5	5.0
STD DS8	Standard	15	122	0.63	283	0.127	3	0.95	0.095	0.45	3.1	0.20	2.6	5.5	0.15	5	5.2	5.2
STD DS8	Standard	16	111	0.60	280	0.118	2	0.88	0.084	0.41	2.8	0.20	2.1	5.3	0.13	5	4.7	5.1



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Project: Burnham

Report Date: August 04, 2011

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

WHI11000571.1

		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 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	0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Burnham

Report Date: August 04, 2011

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000571.1

		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	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 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 14, 2011
Report Date: August 04, 2011
Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI11000578.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 2011702105809-094117
P.O. Number
Number of Samples: 267

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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: Burnham
 Report Date: August 04, 2011

Page: 2 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11000578.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
104370	Soil	1.4	54.5	10.4	30	<0.1	51.1	24.4	594	6.17	2.2	1.8	1.2	4.3	21	<0.1	0.2	1.2	74	0.10	0.033
104371	Soil	1.0	25.9	11.3	46	<0.1	18.9	8.3	258	2.55	8.4	2.9	2.8	6.1	15	<0.1	0.4	4.5	44	0.14	0.026
104372	Soil	0.9	38.3	8.7	57	<0.1	49.6	15.4	303	3.57	5.0	1.2	<0.5	5.7	16	<0.1	0.2	1.3	67	0.14	0.030
104373	Soil	0.8	43.7	7.9	61	<0.1	49.6	15.4	287	3.35	5.9	1.0	1.3	6.7	22	<0.1	0.3	2.5	76	0.23	0.023
104374	Soil	1.2	176.0	7.7	229	<0.1	53.0	26.8	366	3.31	2.6	1.0	<0.5	2.6	12	<0.1	0.1	12.1	83	0.21	0.027
104375	Soil	1.1	49.8	8.0	67	<0.1	46.6	15.7	268	3.59	7.4	0.8	<0.5	4.5	20	<0.1	0.3	4.0	78	0.23	0.022
104376	Soil	1.6	41.6	7.8	66	<0.1	42.8	14.1	351	4.39	1.1	2.0	<0.5	7.1	19	<0.1	<0.1	1.2	67	0.10	0.025
104377	Soil	1.1	22.1	11.3	52	<0.1	18.1	8.1	236	2.71	7.3	2.5	1.1	14.5	10	<0.1	0.4	0.5	47	0.12	0.043
104378	Soil	0.8	6.4	9.3	26	<0.1	8.3	3.4	111	1.36	5.5	0.8	1.8	3.5	8	<0.1	0.2	0.2	40	0.08	0.031
104379	Soil	1.1	16.4	10.1	65	<0.1	15.2	6.9	257	2.33	7.5	2.6	1.1	5.8	11	<0.1	0.4	0.6	40	0.14	0.059
104380	Soil	1.1	18.4	9.0	60	<0.1	17.1	6.1	227	2.20	7.5	2.3	1.6	8.0	17	<0.1	0.5	0.3	39	0.23	0.078
104381	Soil	0.7	18.2	10.2	56	0.2	15.3	5.8	143	2.12	6.1	2.9	1.7	3.9	15	0.1	0.4	0.3	40	0.18	0.065
104382	Soil	0.7	8.5	8.2	44	<0.1	10.3	4.0	100	1.73	5.0	1.7	1.7	2.3	11	<0.1	0.2	0.2	32	0.17	0.066
104383	Soil	0.7	10.0	8.3	44	0.1	9.8	4.2	111	1.80	4.4	2.7	6.8	4.4	13	<0.1	0.1	0.3	29	0.17	0.070
104384	Soil	0.8	10.2	9.5	49	<0.1	11.2	5.1	133	1.97	5.0	2.1	1.6	4.0	13	<0.1	0.1	0.3	35	0.18	0.063
104385	Soil	1.0	8.0	10.6	54	<0.1	12.6	7.0	246	2.39	6.3	1.3	1.6	11.7	11	<0.1	0.2	0.2	43	0.17	0.056
104386	Soil	1.1	11.9	9.3	52	<0.1	15.3	7.5	220	2.24	5.9	3.0	1.6	17.6	13	<0.1	0.2	0.2	37	0.19	0.062
104387	Soil	1.0	15.7	11.5	55	<0.1	18.5	8.7	223	2.66	7.3	2.4	2.0	22.7	11	<0.1	0.3	0.3	42	0.11	0.027
104388	Soil	1.0	15.3	12.5	47	<0.1	11.4	6.4	205	2.33	6.6	3.1	2.0	21.7	14	0.1	0.5	0.8	28	0.15	0.028
104390	Soil	0.8	6.2	5.8	30	<0.1	6.5	2.8	122	1.19	3.8	1.1	0.6	6.7	8	0.2	0.2	0.2	16	0.32	0.114
104391	Soil	1.4	31.6	10.7	80	0.2	29.5	10.1	445	2.59	11.2	0.7	2.4	6.8	37	0.3	1.0	0.2	44	1.06	0.081
104392	Soil	1.1	27.2	12.5	80	0.2	25.3	10.2	407	2.78	11.3	1.3	1.6	9.8	27	0.3	0.9	0.3	43	0.34	0.078
104393	Soil	0.9	15.7	12.6	62	<0.1	18.7	9.6	267	3.32	8.1	1.9	1.7	36.3	10	<0.1	0.5	0.4	50	0.10	0.038
104394	Soil	0.8	16.1	12.0	70	<0.1	17.6	8.6	310	3.50	7.3	1.7	<0.5	32.3	9	<0.1	0.4	0.5	42	0.13	0.061
104395	Soil	1.1	9.8	11.0	32	<0.1	9.8	3.7	240	1.86	3.2	1.1	2.7	14.9	16	<0.1	0.2	0.3	35	0.24	0.053
104396	Soil	0.7	8.1	14.4	55	<0.1	8.7	5.0	203	2.96	5.1	2.0	0.7	24.4	11	<0.1	0.3	0.3	29	0.22	0.077
104397	Soil	1.8	12.3	17.1	64	<0.1	17.0	7.4	298	3.60	10.1	1.9	<0.5	16.6	14	<0.1	0.5	0.3	39	0.20	0.073
104398	Soil	0.9	23.0	11.5	58	<0.1	21.5	9.2	287	2.80	10.2	1.9	1.8	11.7	16	<0.1	0.7	0.2	53	0.14	0.023
104399	Soil	0.6	28.2	11.4	52	<0.1	19.9	7.3	314	2.87	8.5	3.1	3.2	28.2	20	<0.1	0.5	0.3	46	0.23	0.047
104400	Soil	1.0	4.3	11.8	36	<0.1	9.8	5.6	229	2.88	3.4	2.9	<0.5	36.4	13	<0.1	0.2	0.1	28	0.23	0.115

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.



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 Report Date: August 04, 2011

Page: 2 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11000578.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
104370	Soil	18	76	1.22	303	0.233	<1	3.75	0.015	1.12	0.4	0.03	10.4	1.0	<0.05	10	0.5	<0.2
104371	Soil	19	27	0.43	220	0.040	<1	1.62	0.010	0.06	3.2	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
104372	Soil	16	70	1.00	245	0.162	<1	2.93	0.009	0.45	2.4	<0.01	5.1	0.4	<0.05	9	0.5	<0.2
104373	Soil	18	82	1.04	245	0.192	<1	2.54	0.012	0.19	4.2	0.01	4.7	0.2	<0.05	8	<0.5	<0.2
104374	Soil	5	73	0.93	306	0.179	<1	2.55	0.015	0.15	2.0	<0.01	3.5	0.2	<0.05	8	<0.5	<0.2
104375	Soil	10	69	1.08	213	0.148	<1	2.83	0.007	0.21	19.4	<0.01	4.2	0.2	<0.05	10	<0.5	<0.2
104376	Soil	17	78	1.29	189	0.241	<1	3.17	0.011	0.79	1.6	<0.01	5.6	0.6	<0.05	11	<0.5	<0.2
104377	Soil	31	27	0.39	203	0.041	<1	1.95	0.007	0.11	0.2	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
104378	Soil	14	15	0.18	71	0.053	<1	1.01	0.004	0.07	0.2	0.02	1.2	0.2	<0.05	6	<0.5	<0.2
104379	Soil	24	22	0.36	113	0.034	<1	1.46	0.007	0.09	0.2	0.03	1.9	0.2	<0.05	5	<0.5	<0.2
104380	Soil	27	25	0.35	164	0.052	<1	1.23	0.007	0.08	0.2	0.04	2.4	0.2	<0.05	4	<0.5	<0.2
104381	Soil	24	22	0.35	216	0.037	<1	1.41	0.010	0.08	0.2	0.06	2.4	0.2	<0.05	5	0.6	<0.2
104382	Soil	19	17	0.25	121	0.030	<1	1.10	0.006	0.07	0.2	0.06	1.4	0.2	<0.05	4	<0.5	<0.2
104383	Soil	24	16	0.24	130	0.039	<1	1.18	0.006	0.11	0.4	0.05	1.5	0.2	<0.05	5	<0.5	<0.2
104384	Soil	20	20	0.31	142	0.046	<1	1.33	0.006	0.11	0.2	0.06	1.7	0.2	<0.05	5	<0.5	<0.2
104385	Soil	18	21	0.32	125	0.069	<1	1.46	0.006	0.14	0.3	0.02	2.1	0.3	<0.05	7	<0.5	<0.2
104386	Soil	28	22	0.38	141	0.065	<1	1.53	0.007	0.13	0.3	0.03	2.2	0.3	<0.05	6	<0.5	<0.2
104387	Soil	37	25	0.40	177	0.053	<1	2.17	0.007	0.12	0.2	0.04	2.4	0.3	<0.05	6	0.6	<0.2
104388	Soil	62	18	0.31	152	0.015	<1	1.52	0.008	0.07	1.1	0.01	2.6	0.2	<0.05	6	<0.5	<0.2
104390	Soil	14	9	0.18	83	0.046	<1	0.64	0.007	0.11	0.5	<0.01	1.0	0.1	0.05	3	<0.5	<0.2
104391	Soil	17	27	0.67	417	0.058	2	1.21	0.018	0.07	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
104392	Soil	31	25	0.56	451	0.056	<1	1.39	0.016	0.07	0.2	0.04	3.2	0.1	<0.05	5	<0.5	<0.2
104393	Soil	48	30	0.53	196	0.088	<1	2.69	0.008	0.21	0.2	0.01	3.6	0.3	<0.05	8	<0.5	<0.2
104394	Soil	26	22	0.51	166	0.144	1	2.68	0.008	0.40	0.3	0.02	3.5	0.7	<0.05	11	<0.5	<0.2
104395	Soil	37	20	0.24	133	0.060	<1	1.20	0.008	0.15	0.1	<0.01	1.8	0.2	<0.05	7	<0.5	<0.2
104396	Soil	16	16	0.36	109	0.023	<1	1.96	0.006	0.19	0.1	<0.01	2.6	0.2	<0.05	8	<0.5	<0.2
104397	Soil	14	25	0.35	138	0.022	<1	2.11	0.007	0.17	0.1	<0.01	2.3	0.2	<0.05	8	<0.5	<0.2
104398	Soil	40	33	0.51	231	0.059	<1	1.81	0.010	0.07	0.1	0.03	5.0	0.1	<0.05	5	<0.5	<0.2
104399	Soil	64	27	0.55	253	0.078	<1	1.69	0.010	0.21	0.1	0.03	6.4	0.2	<0.05	6	<0.5	<0.2
104400	Soil	53	14	0.28	168	0.023	<1	1.33	0.007	0.15	0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 3 of 10 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
104401	Soil	0.7	10.5	22.3	66	<0.1	10.3	6.8	264	3.45	2.0	2.3	0.7	53.1	12	<0.1	0.2	0.5	30	0.28	0.111
104402	Soil	0.8	13.7	22.2	82	<0.1	12.7	8.2	329	4.28	4.7	1.9	0.6	50.7	15	<0.1	0.3	0.4	41	0.30	0.096
104403	Soil	0.9	13.5	14.8	64	<0.1	15.6	8.3	262	3.31	8.9	1.4	1.8	36.4	10	<0.1	0.5	0.4	44	0.11	0.048
104404	Soil	0.6	10.4	17.4	73	<0.1	9.5	6.5	185	3.30	4.0	1.3	<0.5	35.0	7	<0.1	0.2	0.5	33	0.11	0.048
104405	Soil	0.5	15.7	15.3	85	<0.1	12.9	9.7	303	4.27	3.7	1.8	<0.5	50.7	10	<0.1	0.2	0.7	38	0.26	0.110
104406	Soil	0.8	19.1	18.3	102	<0.1	17.8	12.5	404	5.25	11.5	1.8	0.5	45.8	10	<0.1	0.4	0.6	54	0.14	0.058
104407	Soil	1.1	21.0	20.1	100	<0.1	14.5	10.8	369	5.09	4.5	3.8	0.6	69.3	17	<0.1	0.3	0.7	53	0.23	0.059
104408	Soil	0.5	11.8	10.3	56	<0.1	9.4	6.5	284	2.93	3.4	2.8	<0.5	52.7	13	<0.1	0.2	0.4	28	0.32	0.124
104409	Soil	0.6	9.9	15.1	58	<0.1	11.7	6.7	217	2.99	3.9	2.5	0.6	37.0	16	<0.1	0.4	0.2	32	0.23	0.048
104410	Soil	0.7	15.9	9.8	89	<0.1	13.2	9.7	339	4.59	3.9	2.2	<0.5	67.6	34	<0.1	0.3	0.2	54	0.23	0.064
108458	Soil	1.3	11.0	11.8	58	<0.1	12.6	6.1	268	3.51	11.5	0.6	1.2	3.5	9	0.1	0.7	0.5	67	0.09	0.057
108459	Soil	1.2	23.5	10.6	55	<0.1	20.6	8.1	266	2.73	33.6	1.1	<0.5	7.5	12	0.1	0.7	1.3	42	0.11	0.043
108460	Soil	1.5	26.0	12.2	62	<0.1	20.4	8.8	385	3.27	19.9	1.4	2.4	7.5	11	<0.1	0.7	2.5	59	0.10	0.051
108461	Soil	2.1	41.0	13.2	61	0.1	15.4	6.3	296	2.85	13.2	2.5	1.9	9.3	11	<0.1	0.6	4.4	50	0.09	0.029
108462	Soil	1.4	36.2	12.0	52	0.1	15.0	7.9	317	2.67	10.4	1.6	3.1	5.2	10	<0.1	0.5	1.9	55	0.09	0.053
108463	Soil	1.0	30.8	11.0	57	0.1	19.2	7.4	286	2.83	11.6	1.4	7.4	9.2	10	0.1	0.6	3.3	50	0.09	0.034
108464	Soil	1.4	18.4	10.6	53	<0.1	16.3	6.0	262	3.07	10.2	1.4	3.1	7.7	10	<0.1	0.6	1.9	51	0.10	0.049
108465	Soil	1.5	35.3	11.4	54	<0.1	17.9	6.3	230	2.74	8.8	2.3	9.6	14.1	9	<0.1	0.5	16.0	35	0.07	0.027
108466	Soil	0.9	19.5	10.5	55	<0.1	19.9	7.9	248	2.67	10.0	1.6	2.5	7.2	11	<0.1	0.7	1.6	41	0.11	0.043
108467	Soil	1.3	19.5	10.7	57	<0.1	21.5	6.9	225	2.75	10.3	1.4	0.9	6.4	11	0.1	0.7	0.8	49	0.09	0.034
108468	Soil	1.3	17.6	10.3	57	<0.1	17.2	7.5	256	3.01	12.8	0.9	3.5	4.3	9	0.2	0.7	1.6	53	0.08	0.049
108469	Soil	2.0	23.4	11.8	40	<0.1	10.5	4.6	255	2.58	9.4	2.3	1.4	8.2	10	<0.1	0.6	5.0	44	0.11	0.058
108470	Soil	1.0	22.3	9.8	51	<0.1	17.9	7.2	216	2.57	9.3	2.1	1.3	7.1	13	<0.1	0.6	1.6	48	0.13	0.030
108471	Soil	1.6	30.5	12.0	57	0.1	19.3	7.1	212	2.73	10.1	2.4	1.5	7.0	10	0.1	0.6	6.5	49	0.08	0.026
108472	Soil	1.5	16.8	10.1	43	0.1	11.3	4.4	197	2.26	7.2	0.9	0.7	4.0	8	<0.1	0.5	5.8	45	0.08	0.039
108473	Soil	1.8	33.7	15.2	93	<0.1	39.7	11.6	300	3.45	15.8	1.7	2.2	12.3	10	0.1	1.1	0.9	53	0.08	0.045
108474	Soil	1.2	22.7	11.4	78	0.1	19.8	7.5	470	2.89	10.6	1.2	1.2	5.5	12	0.2	0.6	6.9	48	0.12	0.130
108475	Soil	1.3	22.0	10.3	58	<0.1	21.9	7.5	231	2.55	12.7	1.6	1.3	7.5	11	<0.1	0.7	0.9	46	0.10	0.021
108476	Soil	1.1	20.0	10.0	58	<0.1	20.5	7.4	261	2.50	9.1	1.4	3.6	6.3	11	0.1	0.6	0.6	48	0.10	0.029
108477	Soil	1.4	25.5	12.4	56	<0.1	20.5	10.3	402	3.00	13.3	5.0	5.3	7.0	17	<0.1	0.7	0.5	54	0.13	0.028

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Project: Burnham
 Report Date: August 04, 2011

Page: 3 of 10 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
104401	Soil	66	18	0.56	106	0.009	<1	2.27	0.006	0.16	0.1	<0.01	2.7	0.1	<0.05	11	<0.5	<0.2
104402	Soil	22	22	0.57	176	0.118	<1	2.81	0.009	0.39	0.2	<0.01	3.7	0.3	<0.05	15	<0.5	<0.2
104403	Soil	22	26	0.52	180	0.096	<1	2.31	0.008	0.27	0.2	<0.01	2.9	0.3	<0.05	9	<0.5	<0.2
104404	Soil	38	18	0.38	269	0.046	<1	1.96	0.007	0.27	0.2	<0.01	2.8	0.3	<0.05	9	<0.5	<0.2
104405	Soil	26	22	0.55	190	0.207	<1	2.63	0.013	0.78	0.2	<0.01	5.3	0.6	<0.05	14	<0.5	<0.2
104406	Soil	34	30	0.68	224	0.327	<1	3.25	0.011	1.04	0.2	<0.01	7.3	0.9	<0.05	16	<0.5	<0.2
104407	Soil	116	29	0.60	236	0.104	<1	2.69	0.011	0.37	<0.1	<0.01	4.8	0.3	<0.05	15	<0.5	<0.2
104408	Soil	76	15	0.46	210	0.146	<1	1.77	0.008	0.51	0.1	<0.01	4.2	0.4	<0.05	9	<0.5	<0.2
104409	Soil	46	18	0.55	248	0.089	<1	2.03	0.008	0.16	<0.1	<0.01	2.9	0.1	<0.05	10	<0.5	<0.2
104410	Soil	95	25	0.70	215	0.313	<1	3.10	0.015	1.11	0.2	<0.01	7.5	0.8	<0.05	15	<0.5	<0.2
108458	Soil	13	27	0.40	137	0.053	<1	1.77	0.007	0.06	4.3	<0.01	2.1	0.1	<0.05	8	<0.5	<0.2
108459	Soil	16	25	0.47	137	0.033	1	1.94	0.008	0.07	1.3	0.02	2.1	0.1	<0.05	5	0.5	<0.2
108460	Soil	15	32	0.50	177	0.049	1	2.03	0.009	0.08	5.6	0.02	2.5	0.2	<0.05	6	0.6	<0.2
108461	Soil	18	28	0.44	164	0.034	<1	2.05	0.008	0.07	5.0	0.02	2.4	0.2	<0.05	7	<0.5	<0.2
108462	Soil	14	29	0.46	173	0.050	<1	1.83	0.008	0.05	3.7	0.02	2.6	0.1	<0.05	6	<0.5	<0.2
108463	Soil	17	31	0.49	157	0.061	1	2.01	0.009	0.08	3.9	0.05	2.9	0.2	<0.05	6	0.5	<0.2
108464	Soil	17	25	0.41	135	0.044	<1	1.83	0.007	0.11	2.8	0.01	1.9	0.2	<0.05	7	<0.5	<0.2
108465	Soil	21	23	0.41	140	0.043	<1	2.29	0.008	0.15	9.5	0.02	1.9	0.3	<0.05	6	<0.5	0.2
108466	Soil	16	27	0.47	125	0.056	1	1.85	0.007	0.12	1.7	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
108467	Soil	15	27	0.45	137	0.053	<1	2.10	0.008	0.11	1.2	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
108468	Soil	13	27	0.45	127	0.047	1	1.74	0.006	0.07	2.7	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
108469	Soil	18	20	0.32	120	0.051	<1	1.45	0.007	0.12	9.3	0.01	1.7	0.3	<0.05	6	<0.5	0.2
108470	Soil	20	27	0.48	167	0.060	1	1.65	0.008	0.07	8.0	0.02	2.7	0.2	<0.05	5	<0.5	0.2
108471	Soil	15	26	0.46	140	0.033	1	1.63	0.007	0.06	14.3	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
108472	Soil	11	19	0.28	126	0.022	1	1.40	0.006	0.07	12.4	0.01	1.4	0.2	<0.05	6	<0.5	0.3
108473	Soil	12	34	0.53	227	0.055	<1	2.39	0.011	0.15	3.0	0.02	3.0	0.3	<0.05	6	<0.5	<0.2
108474	Soil	10	24	0.41	226	0.022	<1	1.69	0.006	0.10	2.8	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
108475	Soil	14	30	0.47	172	0.037	<1	1.68	0.006	0.06	1.5	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
108476	Soil	13	29	0.48	175	0.049	1	1.70	0.007	0.06	0.9	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
108477	Soil	15	33	0.52	330	0.045	1	1.82	0.010	0.06	0.5	0.05	4.5	0.1	<0.05	5	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 4 of 10 Part 1

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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
108478	Soil		1.0	12.1	8.0	49	<0.1	8.2	2.9	154	2.01	5.9	2.9	2.5	8.5	6	<0.1	0.4	1.1	22	0.07	0.032
108479	Soil		1.4	8.8	10.9	58	0.1	13.0	5.1	308	2.71	12.5	1.1	0.6	3.2	9	<0.1	0.5	0.6	61	0.08	0.067
108480	Soil		1.6	25.0	11.1	55	<0.1	16.8	6.3	215	2.29	7.9	3.0	1.6	9.3	12	0.1	0.6	1.4	39	0.12	0.029
108481	Soil		1.5	26.0	12.4	62	<0.1	21.2	8.5	236	2.90	11.4	2.0	2.6	7.4	10	<0.1	0.7	1.0	47	0.10	0.028
108482	Soil		1.3	30.3	11.3	57	<0.1	23.2	9.0	266	2.84	10.5	3.2	3.6	13.7	11	<0.1	0.6	0.6	46	0.11	0.035
108483	Soil		0.9	17.5	8.5	46	<0.1	14.4	6.1	251	1.93	6.7	2.4	2.8	8.2	12	<0.1	0.4	0.6	31	0.14	0.036
108484	Soil		1.2	37.5	12.9	62	0.2	22.8	7.6	246	2.94	10.8	2.9	5.4	11.6	12	0.1	0.7	0.5	56	0.10	0.022
108485	Soil		1.4	25.3	14.4	50	<0.1	20.5	7.3	221	2.53	10.4	2.8	3.0	9.6	13	<0.1	0.6	0.5	43	0.13	0.027
108486	Soil		2.3	16.0	10.5	58	<0.1	14.9	6.4	291	1.99	5.2	3.9	6.2	7.3	15	<0.1	0.5	0.6	34	0.22	0.069
108487	Soil		1.2	22.8	11.3	57	<0.1	16.8	7.0	238	2.46	7.9	6.2	3.5	10.3	12	<0.1	0.6	0.5	42	0.11	0.024
108488	Soil		1.3	22.2	10.6	60	<0.1	18.9	7.9	270	2.69	8.9	2.7	3.9	9.3	19	<0.1	0.6	1.7	53	0.35	0.022
108489	Soil		1.2	45.2	21.6	95	<0.1	48.1	25.3	563	5.31	2.9	2.2	1.0	10.7	9	<0.1	0.3	0.7	42	0.13	0.041
108490	Soil		1.4	43.0	21.9	81	<0.1	53.1	29.4	728	5.13	2.7	2.4	0.6	11.3	9	<0.1	0.2	0.7	39	0.15	0.054
108491	Soil		1.4	38.6	11.2	125	<0.1	30.6	8.7	401	3.68	4.5	5.4	2.1	15.5	24	0.2	0.8	6.1	45	0.52	0.057
108492	Soil		0.4	48.4	8.4	65	<0.1	146.0	25.8	467	3.41	3.1	1.0	1.0	3.6	73	<0.1	0.2	0.6	66	1.05	0.223
108493	Soil		1.0	32.7	12.8	70	<0.1	51.5	11.2	293	3.99	6.5	0.8	<0.5	7.3	15	<0.1	0.3	0.4	76	0.17	0.042
108494	Soil		1.0	17.5	11.4	74	<0.1	66.3	17.9	250	3.19	9.0	0.6	2.2	5.2	13	<0.1	0.5	0.2	63	0.11	0.024
108495	Soil		0.3	27.9	24.1	93	<0.1	41.8	17.7	790	5.55	2.5	1.5	<0.5	14.6	48	0.1	<0.1	0.4	120	0.45	0.082
108496	Soil		1.7	44.0	8.6	78	<0.1	48.9	17.8	198	5.72	3.0	2.0	<0.5	8.4	13	<0.1	0.1	0.3	98	0.11	0.043
105340	Soil		1.3	19.5	10.6	81	<0.1	16.1	10.6	399	3.54	14.5	9.4	15.2	36.0	9	<0.1	0.4	4.6	39	0.23	0.132
105341	Soil		1.2	9.0	20.2	67	<0.1	12.0	6.4	337	3.55	8.3	4.6	0.6	14.5	7	0.1	0.5	0.3	41	0.07	0.047
105342	Soil		1.5	14.7	20.2	66	<0.1	16.4	6.0	241	3.03	6.5	2.5	0.8	18.5	14	<0.1	0.4	0.3	23	0.21	0.067
105343	Soil		1.0	13.0	14.3	56	<0.1	15.4	6.4	278	2.74	6.5	2.0	1.4	11.9	10	<0.1	0.4	0.2	42	0.11	0.031
105344	Soil		1.1	12.6	12.5	53	<0.1	17.9	8.1	258	2.78	10.0	1.2	2.6	12.2	9	0.1	0.6	0.2	47	0.08	0.032
105345	Soil		1.8	13.8	25.6	65	<0.1	21.2	7.9	376	3.57	8.2	3.6	1.7	17.4	8	<0.1	0.5	0.3	43	0.10	0.058
105346	Soil		1.5	7.7	18.6	93	<0.1	14.9	6.3	341	3.59	2.8	7.6	1.6	49.7	6	<0.1	0.2	0.3	30	0.13	0.081
105347	Soil		1.3	6.8	30.4	72	<0.1	12.9	4.9	329	2.71	3.3	2.5	0.8	19.6	5	<0.1	0.3	0.2	30	0.15	0.126
105348	Soil		1.5	19.9	15.0	63	<0.1	25.6	9.2	288	3.00	10.7	1.9	2.3	19.4	9	<0.1	0.7	0.2	43	0.08	0.035
105349	Soil		1.5	24.9	15.5	55	<0.1	18.6	7.8	281	2.45	9.9	4.4	0.9	14.6	8	<0.1	0.5	0.2	36	0.10	0.042
105350	Soil		1.3	16.1	13.7	63	<0.1	15.1	6.4	234	2.75	6.9	4.5	<0.5	21.5	10	<0.1	0.4	0.2	33	0.14	0.057

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Project: Burnham
 Report Date: August 04, 2011

Page: 4 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11000578.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
108478	Soil	13	12	0.22	76	0.022	<1	1.11	0.005	0.11	1.0	0.01	1.0	0.4	<0.05	4	<0.5	<0.2
108479	Soil	10	23	0.36	179	0.033	<1	1.31	0.006	0.06	0.5	0.01	1.7	0.1	<0.05	6	<0.5	<0.2
108480	Soil	14	21	0.38	132	0.045	<1	1.38	0.008	0.07	1.8	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
108481	Soil	10	29	0.50	212	0.034	<1	1.93	0.006	0.07	1.7	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
108482	Soil	15	32	0.49	246	0.049	1	2.00	0.007	0.10	0.4	0.03	3.1	0.3	<0.05	5	<0.5	<0.2
108483	Soil	16	19	0.35	146	0.040	<1	1.08	0.007	0.07	1.5	0.02	2.0	0.2	<0.05	4	<0.5	<0.2
108484	Soil	16	34	0.49	243	0.039	1	2.24	0.007	0.07	0.5	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
108485	Soil	20	29	0.46	240	0.035	<1	1.66	0.008	0.06	0.8	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
108486	Soil	17	20	0.37	135	0.044	<1	1.10	0.007	0.06	0.6	0.02	1.8	0.2	<0.05	4	<0.5	<0.2
108487	Soil	19	27	0.44	173	0.039	<1	1.60	0.009	0.06	0.7	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
108488	Soil	17	33	0.54	198	0.070	2	2.09	0.011	0.09	1.7	0.02	3.9	0.2	<0.05	6	0.7	<0.2
108489	Soil	31	49	0.81	181	0.009	<1	2.85	0.005	0.12	0.2	<0.01	4.0	0.3	<0.05	8	<0.5	<0.2
108490	Soil	31	46	0.80	158	0.013	<1	2.60	0.005	0.12	0.2	<0.01	4.1	0.3	<0.05	7	<0.5	<0.2
108491	Soil	42	33	0.54	172	0.006	<1	2.04	0.006	0.06	14.6	0.01	7.1	0.3	<0.05	7	0.6	<0.2
108492	Soil	21	216	1.69	248	0.156	<1	2.94	0.026	0.04	1.2	<0.01	4.7	<0.1	<0.05	11	<0.5	<0.2
108493	Soil	12	79	0.97	115	0.045	<1	2.32	0.005	0.08	0.4	<0.01	3.1	<0.1	<0.05	10	<0.5	<0.2
108494	Soil	12	65	0.76	198	0.101	2	2.33	0.009	0.18	0.2	0.01	3.0	0.1	<0.05	7	<0.5	<0.2
108495	Soil	18	144	1.55	869	0.263	<1	8.85	0.052	1.46	0.2	0.02	11.2	0.9	<0.05	21	<0.5	<0.2
108496	Soil	18	65	1.57	133	0.263	<1	3.52	0.009	0.73	<0.1	<0.01	6.5	0.4	<0.05	12	<0.5	<0.2
105340	Soil	64	24	0.44	110	0.090	<1	2.14	0.007	0.34	1.2	0.02	3.1	0.6	<0.05	8	<0.5	<0.2
105341	Soil	55	25	0.37	76	0.020	<1	1.50	0.005	0.10	0.1	0.02	2.1	0.1	<0.05	7	0.5	<0.2
105342	Soil	17	24	0.31	151	0.008	<1	1.66	0.005	0.07	0.1	0.01	2.1	0.1	<0.05	4	<0.5	<0.2
105343	Soil	26	23	0.41	141	0.030	<1	1.64	0.006	0.08	0.1	<0.01	2.5	0.2	<0.05	6	<0.5	<0.2
105344	Soil	17	30	0.48	139	0.042	<1	1.99	0.006	0.09	0.1	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
105345	Soil	26	34	0.46	109	0.085	<1	2.00	0.007	0.34	0.2	0.02	3.0	0.5	<0.05	8	<0.5	<0.2
105346	Soil	83	26	0.36	100	0.008	<1	2.34	0.006	0.20	0.5	<0.01	2.8	0.4	<0.05	10	<0.5	<0.2
105347	Soil	43	23	0.31	81	0.033	<1	1.88	0.007	0.25	0.1	0.02	2.4	0.5	<0.05	7	0.6	<0.2
105348	Soil	20	31	0.48	144	0.055	<1	2.21	0.006	0.18	0.2	0.01	3.2	0.4	<0.05	6	0.6	<0.2
105349	Soil	33	27	0.34	119	0.045	<1	1.49	0.006	0.14	0.8	0.02	3.2	0.3	<0.05	4	<0.5	<0.2
105350	Soil	60	25	0.31	110	0.027	<1	1.64	0.006	0.20	0.8	0.01	3.3	0.3	<0.05	5	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 5 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11000578.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
105351	Soil	1.3	12.2	16.1	67	<0.1	14.5	6.7	269	2.93	6.7	5.2	<0.5	29.2	7	<0.1	0.3	0.2	35	0.14	0.075
105352	Soil	1.2	7.4	12.0	52	<0.1	13.0	4.6	211	2.54	5.6	6.8	1.8	27.6	6	<0.1	0.2	1.1	25	0.16	0.099
105353	Soil	1.2	20.8	21.9	61	<0.1	14.8	6.3	277	2.98	6.7	7.6	2.3	37.8	17	<0.1	0.3	0.4	26	0.30	0.092
105354	Soil	1.2	13.3	15.1	49	<0.1	19.8	9.0	230	2.60	8.7	1.7	2.4	11.1	8	<0.1	0.4	0.2	36	0.08	0.038
105355	Soil	1.1	19.3	14.9	59	<0.1	20.1	8.4	364	2.60	9.5	3.9	7.9	13.5	13	<0.1	0.5	0.2	39	0.15	0.047
105356	Soil	1.1	12.7	13.1	51	<0.1	13.5	6.0	220	2.32	5.8	5.1	1.2	17.1	7	<0.1	0.4	0.2	32	0.09	0.030
105357	Soil	0.9	14.6	13.5	51	<0.1	14.0	6.5	213	2.37	6.2	2.6	3.9	12.4	10	<0.1	0.4	0.2	35	0.12	0.036
105358	Soil	1.4	16.6	11.7	52	<0.1	16.4	6.2	197	2.37	6.8	1.8	1.3	9.9	13	<0.1	0.6	0.2	38	0.15	0.041
105359	Soil	1.2	14.9	15.1	56	<0.1	15.2	6.5	208	2.61	7.7	2.0	1.2	13.6	9	<0.1	0.5	0.2	38	0.13	0.041
105360	Soil	1.3	16.2	12.6	60	<0.1	16.0	6.3	222	2.51	7.7	1.9	1.5	12.5	12	0.1	0.6	0.3	40	0.14	0.049
105361	Soil	1.2	20.7	16.4	62	<0.1	18.5	7.6	227	2.27	7.9	2.6	2.0	10.8	18	0.1	0.6	0.3	39	0.25	0.063
105362	Soil	1.0	21.1	16.4	69	<0.1	21.4	8.2	296	3.00	7.2	2.5	2.9	34.3	16	<0.1	0.5	0.3	42	0.22	0.064
105363	Soil	1.0	18.1	17.2	61	<0.1	18.5	9.2	274	3.18	7.9	1.8	1.9	35.1	10	<0.1	0.5	0.4	43	0.15	0.057
105364	Soil	1.5	10.7	14.5	64	<0.1	17.5	6.6	271	3.37	10.1	1.0	1.4	10.1	8	<0.1	0.5	0.4	63	0.10	0.098
105365	Soil	1.1	19.1	21.1	65	<0.1	21.2	10.4	322	3.18	11.1	3.2	2.5	25.6	12	<0.1	0.6	0.3	45	0.20	0.078
105366	Soil	1.8	17.3	18.5	100	<0.1	23.8	10.1	385	4.74	7.8	2.5	0.9	60.3	11	<0.1	0.4	0.3	61	0.24	0.123
105367	Soil	1.3	19.2	13.3	57	<0.1	19.2	9.2	268	2.89	11.6	1.0	2.4	10.3	9	<0.1	0.7	0.3	56	0.07	0.028
105368	Soil	1.0	17.4	10.3	51	<0.1	22.1	8.0	221	2.38	9.6	0.9	2.8	17.2	11	0.1	0.7	0.2	44	0.12	0.033
105369	Soil	1.3	7.9	13.3	45	<0.1	11.3	5.4	332	2.83	6.4	1.2	<0.5	14.1	9	<0.1	0.3	0.3	50	0.10	0.224
105370	Soil	0.8	10.4	22.0	79	<0.1	12.0	6.2	326	3.47	3.4	4.9	0.6	60.0	9	<0.1	0.2	0.5	31	0.25	0.113
105371	Soil	0.8	13.4	16.6	70	<0.1	14.9	8.0	346	3.56	4.5	3.6	0.9	50.9	7	<0.1	0.3	0.3	38	0.27	0.116
105372	Soil	0.8	17.7	10.9	51	<0.1	22.5	8.3	224	2.54	11.2	0.6	0.6	13.0	9	0.1	0.6	0.2	45	0.07	0.018
105373	Soil	0.7	10.1	27.0	67	<0.1	10.5	9.9	369	3.91	2.3	4.2	<0.5	86.0	7	<0.1	0.1	0.3	33	0.28	0.147
105374	Soil	1.5	12.0	15.2	89	<0.1	18.3	9.2	365	4.34	6.3	1.2	0.8	28.3	11	<0.1	0.3	0.3	52	0.19	0.087
105375	Soil	1.2	12.1	19.1	72	<0.1	18.2	9.3	330	4.17	6.4	1.9	0.6	37.4	12	<0.1	0.3	0.4	54	0.20	0.090
105376	Soil	1.1	14.3	13.3	52	<0.1	20.3	9.2	263	3.08	12.8	0.7	1.0	8.1	8	<0.1	0.7	0.2	55	0.06	0.028
105377	Soil	1.2	27.7	12.8	74	0.1	24.2	9.8	391	2.72	10.2	0.8	2.5	8.9	26	0.3	0.9	0.2	46	0.36	0.071
105378	Soil	1.5	10.3	12.2	66	<0.1	16.0	6.4	282	3.15	4.0	2.1	<0.5	23.2	10	<0.1	0.3	0.4	38	0.25	0.105
105379	Soil	0.9	15.4	17.8	78	<0.1	12.9	7.5	335	3.88	2.1	8.9	1.2	82.2	15	<0.1	0.2	0.5	36	0.41	0.140
105380	Soil	2.0	13.4	17.7	87	<0.1	21.2	9.2	337	4.39	7.8	2.6	<0.5	53.2	7	<0.1	0.3	0.4	45	0.15	0.089

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Page: 5 of 10 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	0.2
105351	Soil	51	24	0.34	98	0.062	<1	1.88	0.008	0.34	0.4	<0.01	3.3	0.6	<0.05	7	<0.5	<0.2
105352	Soil	74	22	0.24	90	0.034	<1	1.77	0.006	0.32	0.6	0.02	1.8	0.5	<0.05	6	<0.5	<0.2
105353	Soil	61	23	0.30	206	0.044	<1	1.47	0.010	0.24	0.3	0.01	3.3	0.5	<0.05	6	<0.5	<0.2
105354	Soil	14	27	0.31	130	0.013	<1	1.66	0.005	0.06	0.2	<0.01	1.8	0.2	<0.05	3	0.5	<0.2
105355	Soil	32	24	0.37	176	0.036	<1	1.30	0.012	0.07	0.2	0.02	4.2	0.1	<0.05	4	<0.5	<0.2
105356	Soil	42	22	0.29	112	0.027	<1	1.23	0.004	0.07	0.1	0.02	2.7	0.2	<0.05	4	<0.5	<0.2
105357	Soil	24	22	0.35	144	0.035	<1	1.29	0.005	0.07	0.2	0.01	2.6	0.2	<0.05	4	<0.5	<0.2
105358	Soil	22	25	0.35	181	0.035	<1	1.23	0.005	0.06	0.2	0.03	2.7	0.1	<0.05	4	<0.5	<0.2
105359	Soil	28	22	0.33	158	0.038	<1	1.39	0.006	0.08	0.2	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
105360	Soil	27	25	0.38	167	0.045	<1	1.35	0.007	0.08	0.2	0.02	2.4	0.2	<0.05	4	<0.5	<0.2
105361	Soil	24	26	0.41	229	0.052	<1	1.24	0.008	0.08	0.2	0.03	2.9	0.2	<0.05	4	<0.5	<0.2
105362	Soil	55	28	0.46	237	0.076	<1	1.84	0.008	0.20	0.2	0.03	4.4	0.3	<0.05	8	<0.5	<0.2
105363	Soil	56	28	0.47	151	0.065	<1	2.07	0.008	0.19	0.2	0.01	2.9	0.3	<0.05	8	<0.5	<0.2
105364	Soil	10	28	0.39	105	0.071	<1	1.69	0.005	0.15	0.2	0.02	2.3	0.2	<0.05	8	<0.5	<0.2
105365	Soil	20	32	0.49	201	0.080	<1	1.74	0.008	0.10	0.2	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
105366	Soil	20	38	0.59	174	0.176	<1	3.24	0.011	0.60	0.4	0.03	5.4	0.7	<0.05	14	<0.5	<0.2
105367	Soil	17	34	0.49	188	0.071	<1	1.96	0.007	0.10	0.2	0.01	3.6	0.2	<0.05	6	<0.5	<0.2
105368	Soil	29	28	0.47	142	0.048	<1	1.59	0.006	0.08	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
105369	Soil	10	20	0.41	96	0.051	<1	1.72	0.006	0.16	2.6	0.01	2.5	0.2	<0.05	10	<0.5	<0.2
105370	Soil	99	20	0.43	80	0.038	<1	1.95	0.007	0.22	0.2	<0.01	3.0	0.3	<0.05	10	<0.5	<0.2
105371	Soil	30	24	0.46	131	0.156	<1	2.36	0.009	0.35	0.2	<0.01	3.4	0.5	<0.05	11	<0.5	<0.2
105372	Soil	13	28	0.47	129	0.064	<1	1.80	0.005	0.08	0.3	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
105373	Soil	98	19	0.51	102	0.042	<1	2.19	0.008	0.30	<0.1	<0.01	2.7	0.3	<0.05	13	<0.5	<0.2
105374	Soil	24	32	0.56	174	0.191	<1	2.62	0.008	0.51	0.1	0.02	3.8	0.5	<0.05	13	<0.5	<0.2
105375	Soil	59	32	0.55	185	0.220	<1	2.93	0.010	0.71	0.2	0.02	4.8	0.6	<0.05	12	<0.5	<0.2
105376	Soil	11	34	0.48	178	0.047	<1	2.24	0.005	0.07	0.2	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
105377	Soil	23	28	0.52	381	0.062	<1	1.34	0.015	0.07	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
105378	Soil	32	27	0.44	93	0.128	<1	1.75	0.008	0.35	0.3	<0.01	2.6	0.4	<0.05	10	<0.5	<0.2
105379	Soil	148	23	0.46	152	0.144	<1	2.08	0.010	0.62	0.2	0.01	6.1	0.6	<0.05	12	<0.5	<0.2
105380	Soil	18	35	0.47	131	0.107	<1	3.07	0.009	0.50	0.3	0.01	3.8	0.6	<0.05	14	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 6 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11000578.1

Method Analyte	1DX15																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
105381	Soil	1.5	18.2	23.7	75	<0.1	18.7	7.9	278	4.00	5.9	2.5	1.8	60.7	9	<0.1	0.5	0.5	51	0.09	0.032
105382	Soil	1.2	10.2	15.2	58	<0.1	19.7	6.3	233	2.86	6.7	1.6	5.4	32.3	12	<0.1	0.3	0.4	47	0.14	0.048
105383	Soil	1.5	26.1	16.4	72	<0.1	25.3	9.9	321	3.26	8.1	3.4	3.7	45.9	18	0.1	0.7	0.3	52	0.26	0.070
105384	Soil	1.4	12.8	12.4	55	<0.1	20.9	9.2	249	3.16	8.5	1.3	21.8	24.3	10	<0.1	0.5	0.2	45	0.13	0.042
105385	Soil	0.9	27.2	14.1	53	<0.1	22.6	8.1	236	2.55	9.6	2.2	8.6	23.6	13	<0.1	0.6	0.2	43	0.15	0.038
105386	Soil	1.3	13.8	21.7	70	<0.1	17.0	7.0	251	3.65	5.7	2.5	1.1	40.0	8	<0.1	0.4	0.5	39	0.09	0.035
105387	Soil	1.5	12.9	24.7	80	<0.1	17.1	7.9	284	3.94	4.8	3.6	0.7	42.6	8	<0.1	0.3	0.3	37	0.23	0.109
105388	Soil	1.3	21.1	14.0	73	<0.1	20.3	8.5	332	3.96	5.2	1.9	<0.5	36.1	8	<0.1	0.3	0.3	39	0.20	0.084
105389	Soil	1.2	14.8	23.6	60	<0.1	16.6	7.4	282	3.55	4.0	2.3	1.0	52.8	10	0.2	0.3	0.3	38	0.24	0.088
105390	Soil	1.2	16.9	16.1	67	<0.1	18.5	7.5	300	3.92	5.0	2.2	<0.5	50.0	10	<0.1	0.3	0.3	34	0.12	0.043
105391	Soil	2.0	13.7	35.4	102	<0.1	18.5	8.2	386	4.87	5.5	2.7	0.8	65.7	13	<0.1	0.3	0.4	37	0.31	0.142
105392	Soil	1.9	9.9	18.6	96	<0.1	21.3	9.8	492	4.86	8.5	1.0	0.6	18.9	18	<0.1	0.3	0.3	53	0.22	0.112
105393	Soil	1.3	11.1	25.7	96	<0.1	17.9	7.8	322	4.00	5.2	2.0	0.9	43.6	15	<0.1	0.3	0.3	41	0.37	0.174
105394	Soil	1.4	12.3	28.4	121	<0.1	18.2	9.5	405	5.65	4.5	5.8	0.6	62.4	14	<0.1	0.2	0.4	48	0.57	0.312
105395	Soil	1.0	11.3	27.4	99	<0.1	16.6	9.0	398	4.81	4.3	4.0	5.8	66.8	11	<0.1	0.2	0.4	43	0.35	0.147
105396	Soil	0.7	6.9	8.2	32	<0.1	12.3	7.6	359	4.06	3.1	4.2	2.7	45.6	7	<0.1	0.2	0.3	38	0.28	0.112
105397	Soil	1.7	13.8	31.1	103	<0.1	23.1	12.1	430	5.14	7.2	3.9	4.6	42.5	8	<0.1	0.3	0.4	55	0.23	0.145
105398	Soil	1.7	16.6	29.7	90	<0.1	19.7	8.0	395	4.50	7.6	4.0	1.0	62.0	13	<0.1	0.2	0.9	41	0.30	0.132
112421	Soil	1.4	10.6	15.3	75	<0.1	15.9	6.7	282	3.30	10.1	1.0	2.1	3.7	9	<0.1	0.5	0.3	62	0.12	0.079
112422	Soil	0.8	98.6	109.0	127	<0.1	10.8	5.7	325	3.59	4.2	5.6	2.8	26.3	5	0.1	0.1	2.4	25	0.16	0.076
112423	Soil	1.0	22.3	16.6	48	<0.1	16.3	5.7	174	2.35	8.5	4.0	2.2	10.7	8	<0.1	0.4	0.5	40	0.09	0.020
112424	Soil	0.9	9.5	12.5	46	<0.1	13.6	5.7	203	2.52	6.0	1.1	0.6	7.5	6	<0.1	0.4	0.3	41	0.08	0.039
112425	Soil	1.4	11.6	14.4	56	<0.1	16.4	7.0	287	3.13	10.0	1.6	1.1	3.6	8	<0.1	0.4	0.3	50	0.09	0.064
112426	Soil	1.7	15.6	21.3	38	<0.1	16.0	4.3	153	1.95	5.5	2.0	1.9	10.8	12	<0.1	0.3	0.4	28	0.19	0.057
112427	Soil	1.0	22.2	16.2	63	<0.1	19.7	8.2	394	2.60	8.8	4.7	3.3	14.1	12	<0.1	0.5	1.1	37	0.16	0.053
112428	Soil	1.5	31.2	11.9	77	0.1	27.9	10.7	350	2.65	11.7	0.8	3.3	5.8	29	0.2	0.9	0.3	51	0.38	0.077
112429	Soil	1.7	33.1	17.7	89	0.2	32.7	11.3	470	3.08	12.2	1.4	4.6	8.3	28	0.2	0.9	0.3	55	0.37	0.070
112430	Soil	1.3	14.0	12.7	66	<0.1	11.3	6.3	601	2.52	5.4	14.7	1.5	18.6	6	0.1	0.3	0.9	18	0.13	0.090
112431	Soil	1.3	12.6	23.7	78	<0.1	15.5	6.6	379	2.66	6.8	9.7	2.4	21.2	9	<0.1	0.3	2.2	26	0.14	0.060
112441	Soil	1.6	13.8	13.8	55	<0.1	20.4	8.0	288	3.08	10.1	4.2	3.4	13.7	12	<0.1	0.5	0.7	47	0.13	0.059

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Project: Burnham
 Report Date: August 04, 2011

Page: 6 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11000578.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
105381	Soil	35	33	0.53	120	0.120	<1	2.53	0.008	0.36	0.3	0.02	5.6	0.5	<0.05	12	<0.5	<0.2
105382	Soil	20	29	0.58	154	0.041	<1	2.08	0.007	0.18	0.3	0.01	4.5	0.3	<0.05	9	<0.5	<0.2
105383	Soil	98	35	0.53	137	0.123	<1	1.85	0.009	0.26	0.2	<0.01	4.5	0.3	<0.05	8	<0.5	<0.2
105384	Soil	12	32	0.51	154	0.133	<1	1.97	0.008	0.34	0.2	0.02	3.1	0.4	<0.05	7	<0.5	<0.2
105385	Soil	37	30	0.49	176	0.089	<1	1.42	0.009	0.14	9.3	0.03	5.7	0.2	<0.05	5	<0.5	<0.2
105386	Soil	17	28	0.49	121	0.050	<1	2.30	0.008	0.24	0.2	0.02	2.9	0.3	<0.05	12	<0.5	<0.2
105387	Soil	18	26	0.46	165	0.117	<1	2.53	0.009	0.49	1.5	<0.01	3.4	0.7	<0.05	13	<0.5	<0.2
105388	Soil	29	29	0.53	160	0.230	<1	2.50	0.012	0.61	0.4	0.01	5.0	1.0	<0.05	14	<0.5	<0.2
105389	Soil	37	26	0.57	162	0.174	<1	2.54	0.011	0.53	0.4	0.01	5.1	0.9	<0.05	13	<0.5	<0.2
105390	Soil	27	25	0.51	191	0.182	<1	2.52	0.012	0.53	0.3	<0.01	5.0	0.6	<0.05	14	<0.5	<0.2
105391	Soil	34	30	0.51	173	0.132	<1	2.92	0.010	0.69	0.3	<0.01	3.9	0.8	<0.05	16	<0.5	<0.2
105392	Soil	9	36	0.60	305	0.341	<1	3.20	0.011	0.87	0.4	0.01	5.2	1.4	<0.05	17	<0.5	<0.2
105393	Soil	16	29	0.51	150	0.212	<1	2.84	0.012	0.73	0.3	<0.01	4.1	0.9	<0.05	13	<0.5	<0.2
105394	Soil	72	32	0.54	176	0.166	<1	3.18	0.010	0.33	0.5	0.01	3.6	0.3	<0.05	21	<0.5	<0.2
105395	Soil	31	27	0.52	155	0.124	<1	3.16	0.009	0.46	0.2	0.02	4.7	0.6	<0.05	17	<0.5	<0.2
105396	Soil	127	22	1.08	94	0.087	<1	2.44	0.005	0.17	0.1	<0.01	5.0	0.1	<0.05	17	<0.5	<0.2
105397	Soil	45	38	0.50	173	0.235	<1	3.28	0.010	0.77	0.4	0.02	5.9	1.1	<0.05	17	<0.5	<0.2
105398	Soil	77	33	0.50	164	0.161	<1	3.08	0.009	0.76	0.3	0.01	4.9	0.9	<0.05	15	<0.5	<0.2
112421	Soil	17	30	0.36	106	0.031	<1	1.72	0.005	0.07	0.1	0.02	1.9	0.2	<0.05	8	<0.5	<0.2
112422	Soil	44	18	0.27	58	0.004	<1	1.93	0.005	0.13	0.2	0.01	2.0	0.4	<0.05	8	<0.5	<0.2
112423	Soil	19	29	0.40	125	0.021	<1	1.75	0.006	0.05	0.1	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
112424	Soil	12	22	0.31	83	0.011	<1	1.60	0.004	0.07	0.2	0.01	2.1	0.2	<0.05	6	<0.5	<0.2
112425	Soil	17	27	0.36	89	0.018	<1	1.57	0.004	0.06	0.2	0.03	1.6	0.1	<0.05	6	<0.5	<0.2
112426	Soil	28	26	0.24	121	0.014	<1	1.07	0.005	0.08	0.1	0.02	2.0	0.1	<0.05	3	<0.5	<0.2
112427	Soil	49	25	0.35	198	0.040	<1	1.39	0.007	0.11	0.2	0.02	3.4	0.3	<0.05	5	<0.5	<0.2
112428	Soil	16	30	0.51	322	0.056	1	1.32	0.016	0.07	0.2	0.03	4.1	0.1	<0.05	4	<0.5	<0.2
112429	Soil	21	36	0.54	495	0.047	<1	1.69	0.016	0.07	0.2	0.05	4.5	0.1	<0.05	5	<0.5	<0.2
112430	Soil	27	15	0.18	73	0.018	<1	1.23	0.004	0.10	0.5	0.01	1.9	0.2	<0.05	4	<0.5	<0.2
112431	Soil	59	25	0.27	136	0.011	<1	1.91	0.007	0.14	0.4	0.02	2.9	0.3	<0.05	6	<0.5	<0.2
112441	Soil	34	33	0.39	144	0.044	<1	1.84	0.006	0.12	0.2	0.02	3.3	0.2	<0.05	7	0.6	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 7 of 10 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
112442	Soil	1.2	13.5	14.6	54	<0.1	14.6	6.6	245	3.03	9.3	3.2	2.6	8.4	9	<0.1	0.4	0.7	49	0.09	0.036
112443	Soil	0.8	10.5	12.8	65	<0.1	15.4	7.2	350	2.63	6.5	3.7	1.9	12.7	11	<0.1	0.3	0.3	38	0.18	0.073
112444	Soil	0.9	13.6	13.7	59	<0.1	15.2	7.1	299	2.60	6.8	6.9	2.6	18.0	12	<0.1	0.3	0.6	36	0.20	0.067
112445	Soil	1.0	18.2	12.6	65	<0.1	18.3	7.3	316	2.68	7.2	4.3	3.0	17.3	14	<0.1	0.5	0.3	39	0.21	0.067
112446	Soil	1.4	19.2	18.2	59	<0.1	16.0	5.9	259	2.39	7.1	7.4	7.8	9.0	14	0.1	0.4	0.6	36	0.18	0.053
112447	Soil	1.2	14.8	12.9	60	<0.1	16.5	7.0	242	2.59	7.8	3.3	8.4	8.9	12	<0.1	0.4	0.4	43	0.17	0.065
112448	Soil	1.0	18.9	13.6	66	<0.1	18.2	7.7	249	2.66	8.4	2.3	3.9	9.7	16	0.1	0.4	0.3	46	0.20	0.059
112449	Soil	1.2	19.4	11.5	65	<0.1	19.7	7.2	244	2.52	7.7	2.5	4.3	9.6	16	0.2	0.5	0.3	42	0.20	0.058
112450	Soil	1.1	17.4	13.9	65	<0.1	18.7	6.9	190	2.53	9.2	1.8	4.4	4.9	14	0.1	0.6	0.3	47	0.17	0.062
112451	Soil	0.9	15.5	11.8	66	0.1	17.5	7.6	183	2.61	8.8	1.9	3.2	5.3	14	0.1	0.4	0.5	46	0.18	0.061
112452	Soil	0.7	15.3	9.2	53	<0.1	13.8	6.7	185	2.20	7.3	2.4	10.8	5.6	14	<0.1	0.4	0.3	38	0.23	0.072
112453	Soil	0.9	12.4	10.7	60	<0.1	13.0	7.2	210	2.63	7.1	4.0	5.2	11.8	13	<0.1	0.4	0.2	37	0.22	0.089
112454	Soil	0.8	9.5	9.0	61	<0.1	12.8	7.9	295	2.74	6.3	2.9	3.9	12.9	12	0.1	0.4	0.4	38	0.25	0.104
112455	Soil	0.7	14.3	10.6	68	<0.1	13.0	7.2	279	2.82	7.1	4.1	3.2	14.4	14	0.1	0.4	0.6	36	0.28	0.116
112456	Soil	0.6	13.4	11.1	62	<0.1	13.0	7.0	248	2.43	5.4	4.0	4.1	18.6	15	0.2	0.4	0.3	31	0.29	0.107
112457	Soil	0.9	15.9	12.6	62	<0.1	15.1	7.4	265	2.56	7.8	3.5	3.4	8.5	15	<0.1	0.4	0.3	39	0.21	0.076
112458	Soil	1.0	18.5	11.8	64	<0.1	17.2	8.9	258	2.64	8.4	3.5	4.8	11.0	14	0.1	0.5	0.3	43	0.19	0.064
112459	Soil	1.2	17.9	13.0	62	<0.1	15.7	6.6	289	2.56	8.8	3.7	2.8	4.0	15	0.1	0.4	0.2	42	0.20	0.073
112460	Soil	1.0	21.4	11.9	65	<0.1	19.0	7.5	229	2.48	8.3	2.6	5.6	9.2	17	0.1	0.6	0.2	45	0.21	0.055
112461	Soil	1.0	20.1	11.4	56	<0.1	16.4	7.6	233	2.47	9.5	3.5	2.1	9.9	14	<0.1	0.5	0.2	43	0.14	0.029
112462	Soil	0.9	16.6	9.8	60	<0.1	17.0	8.3	272	3.55	8.3	1.5	1.3	28.0	13	<0.1	0.5	0.2	43	0.18	0.048
112463	Soil	0.8	9.6	12.3	55	<0.1	12.5	8.6	282	2.95	6.0	2.1	<0.5	32.6	13	<0.1	0.2	0.2	54	0.25	0.087
112464	Soil	0.8	13.0	11.4	59	<0.1	17.7	9.9	240	3.07	11.5	0.6	<0.5	9.2	8	<0.1	0.5	0.2	58	0.10	0.046
112465	Soil	1.0	15.6	12.0	65	<0.1	19.7	10.8	287	3.57	13.8	1.0	<0.5	18.8	9	<0.1	0.5	0.3	53	0.11	0.059
103364	Soil	2.0	17.5	12.2	89	<0.1	23.9	10.9	605	3.76	12.6	2.5	<0.5	9.9	9	0.1	0.8	0.4	57	0.10	0.059
103365	Soil	1.6	11.3	10.5	62	<0.1	8.9	5.3	204	3.68	6.0	9.2	1.0	13.7	5	<0.1	0.4	1.2	31	0.07	0.040
103366	Soil	1.2	13.5	10.6	81	<0.1	14.2	7.4	305	3.06	10.8	1.2	1.2	4.8	7	0.2	0.7	0.5	54	0.07	0.040
103367	Soil	1.5	19.3	14.4	76	<0.1	31.0	13.2	340	3.15	12.9	1.1	0.6	7.1	9	0.3	0.7	0.5	56	0.09	0.036
103368	Soil	1.3	18.4	13.1	72	<0.1	25.7	8.9	256	3.36	11.8	1.0	2.7	7.2	11	0.2	0.6	0.2	60	0.09	0.035
103369	Soil	1.0	20.2	11.8	56	<0.1	19.8	8.4	250	2.72	9.8	4.9	1.1	14.9	9	0.1	0.6	0.3	47	0.09	0.025

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Project: Burnham
 Report Date: August 04, 2011

Page: 7 of 10 Part 2

CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
112442	Soil	19	27	0.35	128	0.026	1	1.86	0.005	0.08	0.2	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
112443	Soil	38	23	0.37	84	0.036	<1	1.43	0.005	0.11	0.2	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
112444	Soil	34	23	0.33	141	0.056	<1	1.63	0.006	0.18	0.3	0.02	3.1	0.4	<0.05	6	<0.5	<0.2
112445	Soil	36	25	0.38	178	0.059	1	1.52	0.007	0.14	0.2	0.02	3.4	0.3	<0.05	5	<0.5	<0.2
112446	Soil	36	26	0.31	158	0.037	<1	1.47	0.006	0.12	0.2	0.03	2.9	0.3	<0.05	6	<0.5	<0.2
112447	Soil	24	25	0.33	130	0.048	<1	1.60	0.006	0.11	0.2	0.03	2.6	0.3	<0.05	6	<0.5	<0.2
112448	Soil	25	27	0.41	194	0.045	<1	1.69	0.007	0.10	0.2	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
112449	Soil	26	27	0.40	214	0.050	1	1.52	0.007	0.09	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
112450	Soil	19	27	0.38	186	0.037	1	1.73	0.007	0.08	0.2	0.05	2.7	0.2	<0.05	6	<0.5	<0.2
112451	Soil	21	27	0.39	214	0.036	<1	1.73	0.007	0.07	0.2	0.05	2.8	0.2	<0.05	5	0.8	<0.2
112452	Soil	23	20	0.33	199	0.033	<1	1.35	0.006	0.06	0.3	0.06	2.6	0.1	<0.05	5	<0.5	<0.2
112453	Soil	28	20	0.33	160	0.028	<1	1.34	0.005	0.07	0.4	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
112454	Soil	28	19	0.34	118	0.041	<1	1.43	0.006	0.12	0.3	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
112455	Soil	41	20	0.33	187	0.030	<1	1.53	0.006	0.11	0.3	0.04	2.5	0.2	<0.05	6	0.5	<0.2
112456	Soil	39	18	0.30	179	0.029	<1	1.21	0.005	0.07	0.2	0.02	2.4	0.1	<0.05	4	0.7	<0.2
112457	Soil	27	23	0.36	172	0.026	<1	1.42	0.006	0.06	0.2	0.03	2.5	0.1	<0.05	5	<0.5	<0.2
112458	Soil	30	25	0.39	196	0.036	1	1.60	0.007	0.06	0.2	0.05	3.0	0.1	<0.05	5	<0.5	<0.2
112459	Soil	31	23	0.29	177	0.022	1	1.53	0.006	0.07	0.1	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
112460	Soil	27	26	0.40	278	0.035	<1	1.53	0.007	0.06	0.2	0.04	3.6	0.1	<0.05	5	0.7	<0.2
112461	Soil	27	26	0.38	192	0.026	2	1.52	0.007	0.05	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
112462	Soil	29	25	0.70	205	0.119	1	2.18	0.009	0.48	0.2	<0.01	3.6	0.5	<0.05	9	<0.5	<0.2
112463	Soil	12	20	0.60	171	0.116	<1	2.24	0.009	0.45	0.2	<0.01	4.7	0.5	<0.05	11	<0.5	<0.2
112464	Soil	9	28	0.42	173	0.053	<1	1.93	0.007	0.16	0.2	0.01	2.5	0.2	<0.05	7	<0.5	<0.2
112465	Soil	12	29	0.51	164	0.136	1	2.32	0.007	0.42	0.3	0.01	3.7	0.5	<0.05	8	<0.5	<0.2
103364	Soil	10	33	0.47	146	0.059	1	2.23	0.006	0.15	0.2	0.02	2.9	0.3	<0.05	7	<0.5	<0.2
103365	Soil	21	14	0.27	107	0.015	<1	1.82	0.004	0.13	0.3	<0.01	1.9	0.3	<0.05	7	<0.5	<0.2
103366	Soil	9	23	0.33	129	0.031	<1	1.94	0.004	0.07	0.6	0.03	2.0	0.2	<0.05	7	<0.5	<0.2
103367	Soil	9	31	0.49	215	0.039	1	2.48	0.006	0.08	0.2	0.02	2.8	0.2	<0.05	6	<0.5	<0.2
103368	Soil	12	30	0.46	252	0.041	<1	2.51	0.005	0.08	0.2	0.03	2.7	0.2	<0.05	7	<0.5	<0.2
103369	Soil	33	27	0.41	157	0.034	<1	1.74	0.005	0.06	0.2	0.03	3.0	0.1	<0.05	5	<0.5	<0.2

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Page: 8 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11000578.1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
103370	Soil	1.1	16.1	12.8	49	<0.1	14.6	6.2	184	2.49	9.2	5.6	5.5	12.2	9	<0.1	0.5	0.4	46	0.09	0.034
103371	Soil	1.1	16.8	13.1	56	<0.1	17.7	7.3	280	2.62	9.6	4.4	2.0	9.2	11	<0.1	0.5	0.3	45	0.12	0.034
103372	Soil	1.0	15.0	12.5	54	<0.1	14.3	6.7	311	2.34	7.3	4.6	1.6	8.1	10	<0.1	0.6	0.2	35	0.11	0.031
103373	Soil	1.2	14.4	12.6	58	<0.1	14.3	7.9	496	2.43	6.7	6.5	2.1	15.5	9	<0.1	0.5	0.2	32	0.12	0.047
103374	Soil	1.4	13.8	14.4	59	<0.1	15.3	7.7	288	2.84	9.5	4.0	3.1	14.0	9	0.1	0.5	0.3	44	0.11	0.055
103375	Soil	1.1	11.4	11.9	56	<0.1	13.1	7.4	291	2.72	8.2	3.4	1.0	11.1	8	<0.1	0.5	0.3	38	0.11	0.043
103376	Soil	0.9	19.1	10.4	55	<0.1	15.5	7.4	301	2.46	7.1	5.1	1.3	13.5	11	<0.1	0.5	0.3	37	0.12	0.032
103377	Soil	1.4	17.3	14.3	54	<0.1	18.2	9.5	382	2.75	12.5	5.0	3.6	8.7	12	<0.1	0.6	0.2	48	0.11	0.047
103378	Soil	1.5	11.0	15.7	71	<0.1	16.0	8.0	368	3.55	12.5	3.4	2.7	8.3	8	0.1	0.6	0.4	51	0.08	0.063
103379	Soil	1.3	18.3	15.0	58	<0.1	17.9	8.6	362	2.93	12.6	6.8	1.6	11.9	10	<0.1	0.7	0.5	49	0.10	0.033
103380	Soil	1.3	17.8	14.3	63	<0.1	17.3	7.5	311	2.64	9.8	9.2	1.4	10.2	13	<0.1	0.6	0.4	45	0.13	0.046
103381	Soil	1.1	19.2	11.7	55	<0.1	17.4	6.8	212	2.33	8.6	7.5	2.6	8.1	12	<0.1	0.6	0.3	44	0.13	0.034
103382	Soil	1.0	17.2	10.7	60	<0.1	17.3	6.6	256	2.39	8.7	4.1	3.3	7.8	14	0.1	0.6	0.3	43	0.16	0.049
103383	Soil	0.9	15.3	10.7	51	<0.1	13.5	5.6	262	1.97	6.7	6.0	2.1	8.4	14	<0.1	0.6	0.4	30	0.18	0.052
103384	Soil	1.0	20.1	10.9	58	<0.1	16.5	6.6	242	2.31	8.1	5.6	1.8	9.3	13	<0.1	0.6	0.3	38	0.16	0.047
103385	Soil	0.9	19.1	10.2	54	<0.1	15.6	5.6	193	2.05	7.6	4.4	3.6	7.0	15	<0.1	0.6	0.3	33	0.20	0.054
103386	Soil	0.9	17.1	9.8	52	<0.1	14.8	5.5	182	2.00	7.1	4.2	2.1	7.5	12	0.1	0.6	0.5	34	0.17	0.054
103387	Soil	0.7	16.5	9.2	46	<0.1	14.0	5.2	188	1.89	7.3	4.2	2.9	5.8	14	<0.1	0.6	0.4	32	0.17	0.046
103388	Soil	1.0	20.0	10.9	53	<0.1	15.7	6.2	216	2.18	8.3	4.2	3.3	6.4	16	0.1	0.6	0.4	39	0.19	0.055
103389	Soil	1.0	18.0	10.2	54	<0.1	15.2	6.6	221	2.05	7.8	4.5	1.2	6.3	16	0.1	0.6	0.3	39	0.20	0.050
103390	Soil	1.0	16.5	10.0	51	<0.1	15.5	6.4	209	2.04	7.6	3.7	4.2	4.4	16	0.1	0.6	0.3	37	0.20	0.051
103391	Soil	1.0	21.7	10.4	66	0.1	19.5	7.6	249	2.29	9.5	3.4	1.9	6.4	21	<0.1	0.7	0.3	44	0.27	0.065
103392	Soil	1.0	19.2	10.0	58	0.1	17.6	6.9	200	2.19	8.6	2.8	8.1	3.6	17	0.2	0.6	0.3	42	0.22	0.063
103393	Soil	1.0	15.4	10.1	59	<0.1	16.5	7.6	255	2.25	9.2	1.9	3.9	3.3	14	0.1	0.6	0.3	42	0.19	0.066
103394	Soil	0.8	20.0	10.4	66	0.1	19.0	6.9	160	2.28	9.0	2.5	9.6	5.5	17	0.2	0.6	0.3	43	0.23	0.072
103395	Soil	0.8	15.2	9.3	60	0.1	14.9	7.5	192	2.08	7.5	1.8	5.5	4.0	15	0.1	0.5	0.3	39	0.20	0.072
103396	Soil	0.7	12.5	9.2	55	0.1	12.8	5.7	148	1.93	7.7	1.4	4.1	2.8	13	0.2	0.5	0.3	37	0.18	0.063
103397	Soil	0.7	23.1	9.7	59	<0.1	21.9	8.9	227	2.40	10.2	0.7	1.8	6.8	15	0.1	0.7	0.2	41	0.21	0.054
105399	Soil	0.5	16.1	22.6	83	<0.1	10.0	7.0	338	4.13	6.4	6.2	<0.5	60.5	15	<0.1	0.3	0.5	30	0.35	0.124
105400	Soil	0.9	16.6	19.3	99	<0.1	14.6	8.8	408	4.47	5.6	7.2	<0.5	59.0	15	<0.1	0.3	0.4	40	0.22	0.078

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Page: 8 of 10 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
103370	Soil	25	24	0.34	146	0.025	2	1.62	0.005	0.05	0.2	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
103371	Soil	21	25	0.36	158	0.030	1	1.48	0.006	0.06	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
103372	Soil	28	21	0.32	157	0.015	1	1.31	0.005	0.06	0.2	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
103373	Soil	36	18	0.29	144	0.023	<1	1.24	0.004	0.07	0.2	0.02	2.2	0.2	<0.05	4	<0.5	<0.2
103374	Soil	23	24	0.33	126	0.021	<1	1.87	0.005	0.09	0.2	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
103375	Soil	20	21	0.32	130	0.029	<1	1.68	0.005	0.12	0.2	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
103376	Soil	33	21	0.38	171	0.045	1	1.38	0.005	0.09	0.2	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
103377	Soil	27	30	0.40	197	0.024	1	1.89	0.007	0.05	0.2	0.03	3.6	0.2	<0.05	5	<0.5	<0.2
103378	Soil	13	25	0.32	119	0.018	<1	2.00	0.005	0.07	0.2	0.02	2.0	0.2	<0.05	6	<0.5	<0.2
103379	Soil	22	27	0.36	193	0.022	<1	1.87	0.006	0.06	0.2	0.05	3.4	0.2	<0.05	5	<0.5	<0.2
103380	Soil	24	26	0.38	163	0.029	<1	1.56	0.007	0.06	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
103381	Soil	20	27	0.40	178	0.037	<1	1.47	0.006	0.05	0.2	0.04	3.1	0.2	<0.05	4	<0.5	<0.2
103382	Soil	16	25	0.41	166	0.041	<1	1.39	0.007	0.05	0.2	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
103383	Soil	21	18	0.30	156	0.029	<1	0.99	0.005	0.05	0.1	0.02	2.2	0.1	<0.05	3	<0.5	<0.2
103384	Soil	22	22	0.36	193	0.033	<1	1.27	0.006	0.06	0.2	0.03	2.9	0.1	<0.05	4	<0.5	<0.2
103385	Soil	19	19	0.33	195	0.031	<1	1.13	0.006	0.05	0.2	0.04	2.2	0.1	<0.05	3	<0.5	<0.2
103386	Soil	19	19	0.32	158	0.033	<1	1.14	0.006	0.05	0.2	0.03	2.0	0.1	<0.05	3	<0.5	<0.2
103387	Soil	19	19	0.29	178	0.031	<1	1.05	0.005	0.05	0.2	0.03	2.1	0.1	<0.05	3	<0.5	<0.2
103388	Soil	19	21	0.32	198	0.034	<1	1.30	0.007	0.05	0.2	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
103389	Soil	21	22	0.34	257	0.035	<1	1.26	0.007	0.05	0.2	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
103390	Soil	20	21	0.33	226	0.034	<1	1.23	0.007	0.04	0.2	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
103391	Soil	19	25	0.39	356	0.037	<1	1.34	0.009	0.05	0.3	0.04	3.2	0.1	<0.05	4	<0.5	<0.2
103392	Soil	18	23	0.34	296	0.024	<1	1.29	0.008	0.05	0.3	0.06	2.5	0.1	<0.05	4	<0.5	<0.2
103393	Soil	16	22	0.33	205	0.029	<1	1.24	0.006	0.05	0.3	0.03	2.0	0.1	<0.05	4	<0.5	<0.2
103394	Soil	20	25	0.37	312	0.028	1	1.48	0.007	0.05	0.3	0.05	3.0	0.1	<0.05	4	<0.5	<0.2
103395	Soil	16	22	0.35	250	0.021	<1	1.25	0.006	0.04	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
103396	Soil	13	21	0.32	187	0.022	1	1.22	0.006	0.05	0.2	0.05	1.8	0.1	<0.05	4	<0.5	<0.2
103397	Soil	14	24	0.42	151	0.050	1	1.17	0.010	0.09	0.3	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
105399	Soil	92	16	0.41	113	0.065	<1	2.21	0.010	0.49	0.1	<0.01	4.6	0.5	<0.05	13	<0.5	<0.2
105400	Soil	83	24	0.43	127	0.118	<1	2.35	0.007	0.37	<0.1	<0.01	3.7	0.4	<0.05	14	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 9 of 10 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
105401	Soil	0.9	7.6	16.5	74	<0.1	12.6	6.6	258	3.40	5.1	3.2	0.7	33.1	14	<0.1	0.3	0.3	36	0.18	0.076
112466	Soil	1.8	12.8	16.9	84	<0.1	17.5	9.4	386	4.54	8.3	1.2	<0.5	28.3	9	<0.1	0.4	0.4	55	0.10	0.057
112467	Soil	1.3	8.7	11.4	40	<0.1	11.4	5.2	154	2.05	5.5	1.8	1.8	17.4	10	<0.1	0.4	0.2	31	0.17	0.043
112468	Soil	0.7	16.9	10.7	50	<0.1	17.8	8.0	198	2.60	9.3	2.1	1.2	30.0	12	<0.1	0.5	0.2	38	0.17	0.044
112469	Soil	0.9	12.8	11.8	54	0.2	18.5	8.4	210	3.27	10.4	0.8	2.0	11.7	7	0.1	0.5	0.2	52	0.09	0.094
112470	Soil	1.1	15.4	11.8	65	<0.1	22.6	10.0	240	3.27	12.8	0.8	1.3	13.6	11	<0.1	0.6	0.2	55	0.13	0.039
107398	Soil	1.0	13.1	13.1	53	<0.1	14.7	7.2	301	2.91	7.5	2.5	3.8	12.5	9	<0.1	0.5	0.6	38	0.10	0.046
107399	Soil	1.0	20.9	11.6	64	<0.1	20.1	8.4	321	2.72	10.0	2.5	4.5	8.7	15	0.1	0.7	0.3	50	0.19	0.054
107400	Soil	0.7	17.7	8.7	54	<0.1	17.1	7.2	252	2.30	7.6	1.6	3.5	6.1	13	0.1	0.5	0.3	42	0.17	0.048
107401	Soil	1.0	12.7	10.0	56	<0.1	12.8	7.0	323	2.67	6.8	2.1	1.3	9.1	12	<0.1	0.3	0.2	43	0.23	0.078
107402	Soil	1.0	20.7	15.5	103	<0.1	16.3	10.5	710	4.19	4.4	4.7	<0.5	50.4	14	<0.1	0.2	0.3	39	0.49	0.185
107403	Soil	0.9	17.1	10.7	59	<0.1	15.3	8.1	298	2.73	7.2	2.0	2.6	11.3	12	<0.1	0.4	0.2	42	0.21	0.069
107404	Soil	1.0	15.7	10.7	62	<0.1	14.4	7.2	258	2.74	7.7	2.7	2.6	12.0	11	0.1	0.3	0.2	45	0.19	0.067
107405	Soil	1.1	21.6	9.4	69	<0.1	19.9	9.1	366	2.87	6.7	4.9	2.5	17.7	11	0.1	0.5	0.2	43	0.18	0.065
107406	Soil	0.8	15.5	10.1	56	<0.1	17.1	9.3	327	2.53	9.2	3.8	3.3	10.6	16	<0.1	0.5	0.2	43	0.19	0.055
107407	Soil	0.7	22.6	11.0	65	<0.1	18.2	9.7	458	3.21	6.4	3.0	2.0	22.5	15	<0.1	0.5	0.2	41	0.18	0.045
107408	Soil	0.6	11.9	14.5	60	<0.1	14.1	8.6	349	3.14	5.2	3.8	0.9	25.2	7	<0.1	0.3	0.4	49	0.14	0.071
107409	Soil	1.0	60.3	13.1	46	<0.1	66.2	28.0	436	6.03	1.9	2.9	1.7	22.0	16	<0.1	0.1	0.3	65	0.17	0.091
107410	Soil	0.8	44.2	17.1	113	<0.1	439.4	44.6	585	6.17	17.2	1.9	0.6	7.2	36	<0.1	0.1	0.3	75	0.39	0.122
107411	Soil	0.2	8.7	13.0	51	<0.1	260.1	18.0	483	2.41	1.6	3.4	<0.5	38.0	34	<0.1	<0.1	0.2	29	0.84	0.188
107412	Soil	0.8	17.2	11.0	42	<0.1	14.8	6.2	213	2.45	11.0	1.2	4.8	4.8	11	<0.1	0.5	0.2	49	0.10	0.043
107413	Soil	0.8	15.6	12.0	55	<0.1	17.5	10.2	413	2.82	9.6	1.5	2.1	12.4	13	<0.1	0.5	0.2	47	0.14	0.045
107414	Soil	1.0	35.7	11.9	75	<0.1	25.5	12.0	485	2.81	11.0	2.1	3.6	10.6	11	0.1	0.7	0.3	54	0.10	0.029
107415	Soil	0.7	15.4	10.3	54	<0.1	13.8	7.5	272	2.56	5.0	2.1	2.0	17.5	9	<0.1	0.3	0.2	34	0.16	0.054
107416	Soil	0.8	16.3	8.9	56	<0.1	15.8	7.5	334	2.80	4.1	3.0	1.4	28.0	12	<0.1	0.3	0.3	31	0.20	0.058
107417	Soil	1.0	13.3	18.5	86	<0.1	13.5	8.5	338	3.97	5.0	3.5	<0.5	36.6	9	0.1	0.4	0.3	36	0.25	0.126
107418	Soil	0.9	20.0	12.4	58	<0.1	17.0	8.1	294	2.92	8.8	2.3	2.5	14.2	9	0.1	0.5	0.3	47	0.10	0.056
107419	Soil	1.0	7.3	14.8	61	<0.1	7.8	4.6	200	3.24	2.6	7.0	<0.5	36.1	6	0.1	0.2	0.6	18	0.14	0.111
107420	Soil	0.8	10.6	16.0	111	<0.1	13.6	8.4	365	3.65	5.6	2.2	<0.5	26.8	8	<0.1	0.3	0.7	44	0.15	0.076
107421	Soil	0.5	7.7	16.0	69	<0.1	9.2	5.1	254	3.29	3.4	4.2	1.0	35.4	9	<0.1	0.2	0.2	28	0.15	0.053

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Report Date: August 04, 2011

Page: 9 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11000578.1

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
105401	Soil	55	19	0.32	105	0.053	<1	1.94	0.007	0.28	0.1	<0.01	3.1	0.3	<0.05	10	<0.5	<0.2
112466	Soil	10	29	0.54	145	0.208	<1	2.83	0.008	0.79	0.3	<0.01	5.8	1.0	<0.05	14	<0.5	<0.2
112467	Soil	47	18	0.32	121	0.017	<1	1.21	0.005	0.09	0.1	0.01	1.9	0.2	<0.05	4	<0.5	<0.2
112468	Soil	67	23	0.40	187	0.056	<1	1.71	0.006	0.16	0.2	0.01	2.8	0.3	<0.05	6	<0.5	<0.2
112469	Soil	13	25	0.39	136	0.058	<1	2.07	0.005	0.20	0.2	0.01	2.5	0.3	<0.05	6	<0.5	<0.2
112470	Soil	12	28	0.46	223	0.052	<1	2.33	0.006	0.16	0.1	0.02	2.7	0.3	<0.05	7	<0.5	<0.2
107398	Soil	23	21	0.33	142	0.011	<1	1.70	0.005	0.06	1.8	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
107399	Soil	26	28	0.45	224	0.049	<1	1.63	0.007	0.08	0.3	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
107400	Soil	21	22	0.42	173	0.049	1	1.35	0.007	0.07	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
107401	Soil	20	22	0.40	170	0.070	<1	1.66	0.006	0.22	0.1	0.03	2.7	0.3	<0.05	7	<0.5	<0.2
107402	Soil	52	23	0.57	139	0.114	<1	2.38	0.008	0.54	0.1	0.01	3.9	0.7	<0.05	11	<0.5	<0.2
107403	Soil	33	23	0.42	151	0.062	<1	1.67	0.007	0.12	0.2	0.02	2.8	0.2	<0.05	6	<0.5	<0.2
107404	Soil	36	24	0.40	144	0.061	<1	1.63	0.006	0.13	0.2	0.03	2.6	0.2	<0.05	6	<0.5	<0.2
107405	Soil	64	26	0.50	195	0.113	<1	1.67	0.006	0.22	0.2	0.02	3.7	0.4	<0.05	7	<0.5	<0.2
107406	Soil	35	24	0.46	232	0.046	<1	1.54	0.007	0.07	0.2	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
107407	Soil	48	23	0.45	284	0.042	<1	1.83	0.006	0.11	0.2	0.03	4.6	0.2	<0.05	6	<0.5	<0.2
107408	Soil	68	26	0.42	146	0.026	<1	2.17	0.005	0.10	0.3	0.02	3.8	0.1	<0.05	9	<0.5	<0.2
107409	Soil	83	72	1.17	231	0.123	<1	3.24	0.007	0.75	0.2	<0.01	8.2	0.6	<0.05	9	<0.5	<0.2
107410	Soil	51	509	4.97	377	0.110	<1	5.06	0.016	1.03	<0.1	0.01	7.8	0.5	0.08	18	<0.5	<0.2
107411	Soil	61	302	3.30	405	0.059	<1	3.49	0.020	1.03	0.1	<0.01	4.6	0.8	<0.05	11	<0.5	<0.2
107412	Soil	19	22	0.35	142	0.033	1	1.53	0.006	0.04	0.1	0.04	2.9	0.1	<0.05	5	<0.5	<0.2
107413	Soil	25	27	0.43	190	0.053	<1	1.90	0.006	0.12	0.2	0.04	4.3	0.2	<0.05	6	<0.5	<0.2
107414	Soil	45	32	0.47	250	0.047	1	1.96	0.008	0.06	0.2	0.05	5.3	0.2	<0.05	5	<0.5	<0.2
107415	Soil	39	20	0.37	182	0.067	<1	1.56	0.006	0.17	0.2	0.02	3.3	0.3	<0.05	6	<0.5	<0.2
107416	Soil	62	19	0.34	199	0.077	<1	1.47	0.006	0.19	0.2	0.02	3.1	0.4	<0.05	6	<0.5	<0.2
107417	Soil	37	19	0.33	113	0.036	1	2.10	0.006	0.20	0.1	0.01	3.1	0.3	<0.05	8	<0.5	<0.2
107418	Soil	39	27	0.38	157	0.034	<1	1.82	0.006	0.07	0.1	0.02	2.6	0.1	<0.05	6	<0.5	<0.2
107419	Soil	145	11	0.15	80	0.003	<1	1.67	0.004	0.07	0.8	<0.01	2.0	0.2	<0.05	4	<0.5	<0.2
107420	Soil	10	23	0.42	145	0.026	<1	2.32	0.005	0.16	<0.1	0.01	2.7	0.3	<0.05	10	<0.5	<0.2
107421	Soil	90	17	0.38	76	0.011	<1	2.12	0.004	0.14	<0.1	0.01	2.0	0.2	<0.05	10	0.6	<0.2



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Page: 10 of 10 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
107422	Soil	0.5	9.0	11.3	78	<0.1	9.5	6.2	430	3.20	3.5	2.1	0.5	32.0	10	<0.1	0.2	0.3	30	0.26	0.102
107423	Soil	0.7	11.9	9.2	95	<0.1	20.8	12.2	378	5.17	6.4	3.0	1.0	26.4	9	<0.1	0.3	0.2	54	0.12	0.054
107424	Soil	0.8	16.6	13.1	85	<0.1	17.5	10.4	478	4.49	5.6	2.9	<0.5	38.3	8	<0.1	0.3	0.4	51	0.25	0.134
107425	Soil	0.7	11.5	8.8	109	<0.1	14.6	9.2	350	4.17	5.4	3.7	<0.5	28.4	9	<0.1	0.3	0.3	53	0.20	0.112
107426	Soil	1.3	26.8	11.4	89	<0.1	20.9	12.6	439	4.69	9.2	2.8	0.7	25.5	9	<0.1	0.4	1.0	70	0.21	0.112
107427	Soil	0.5	18.9	16.9	77	<0.1	13.4	8.5	364	3.75	3.4	4.7	0.6	48.4	16	<0.1	0.2	0.4	40	0.39	0.112
106019	Soil	1.0	17.5	12.5	47	<0.1	15.7	7.7	228	2.87	10.2	1.4	4.9	10.0	11	<0.1	0.6	0.3	43	0.10	0.039
106020	Soil	1.2	21.3	13.1	55	<0.1	20.9	8.8	300	2.79	12.7	1.7	4.2	9.7	11	<0.1	0.8	0.2	47	0.09	0.035
106021	Soil	1.1	17.0	12.9	65	<0.1	21.4	8.4	251	3.04	12.2	0.7	10.3	7.0	9	<0.1	0.7	0.3	52	0.08	0.041
106022	Soil	1.4	12.7	15.3	63	<0.1	18.0	7.3	290	3.46	11.9	1.0	1.4	3.4	10	0.2	0.7	0.3	54	0.09	0.042
106023	Soil	1.0	19.3	12.6	57	<0.1	21.2	11.1	349	2.91	11.3	1.5	2.4	10.8	14	0.1	0.6	0.3	47	0.16	0.048
106024	Soil	1.0	13.1	12.5	48	<0.1	15.4	7.2	231	2.78	11.5	1.5	3.3	7.8	10	0.1	0.7	0.3	46	0.10	0.046
106025	Soil	1.6	10.5	13.2	51	<0.1	10.6	5.1	229	3.15	9.6	3.3	1.8	2.8	8	0.1	0.5	0.3	52	0.06	0.067
106026	Soil	1.2	20.5	12.9	54	<0.1	18.5	8.2	290	2.82	10.2	2.8	1.9	8.8	10	<0.1	0.6	0.9	45	0.09	0.038
106027	Soil	1.3	12.2	13.2	66	<0.1	17.5	8.7	275	3.09	13.1	1.2	1.9	5.3	8	0.2	0.7	0.4	47	0.07	0.046
106028	Soil	1.0	15.2	13.4	54	<0.1	14.4	6.4	230	2.48	11.2	1.7	2.5	5.2	8	<0.1	0.7	0.4	44	0.06	0.025
106029	Soil	1.0	10.8	11.4	47	<0.1	14.3	5.5	176	2.59	10.3	1.8	3.8	5.2	8	0.1	0.6	0.2	43	0.08	0.033
106030	Soil	1.2	8.9	13.7	46	<0.1	11.3	4.7	205	2.72	8.9	3.0	1.2	4.0	8	<0.1	0.5	0.4	45	0.06	0.045
106031	Soil	1.0	19.6	11.0	58	<0.1	18.7	7.9	308	2.40	10.4	6.3	2.0	5.7	15	<0.1	0.6	0.4	41	0.15	0.045
106032	Soil	0.8	15.9	12.2	60	<0.1	18.4	10.2	383	2.73	11.0	6.2	4.6	12.2	10	0.1	0.6	0.5	41	0.10	0.033
106033	Soil	1.0	16.8	11.1	50	<0.1	15.2	6.3	213	2.44	8.9	4.2	2.7	7.9	11	<0.1	0.5	0.6	43	0.10	0.029
106034	Soil	1.1	11.6	13.8	47	<0.1	9.6	4.1	205	2.29	5.9	6.0	0.5	8.5	5	<0.1	0.4	0.6	26	0.07	0.035
106035	Soil	1.3	10.1	13.2	49	<0.1	11.3	4.6	230	2.64	9.2	3.5	1.5	7.3	7	<0.1	0.6	0.5	45	0.06	0.023
106036	Soil	1.0	16.7	11.7	55	<0.1	15.9	6.6	229	2.55	8.4	3.8	2.5	10.3	12	<0.1	0.6	0.2	42	0.13	0.039
106037	Soil	0.9	12.2	14.6	57	<0.1	13.8	7.9	289	2.60	6.2	4.7	1.1	17.1	9	0.2	0.4	0.3	31	0.12	0.046
106038	Soil	0.9	14.9	13.3	53	<0.1	13.2	6.7	251	2.48	9.0	5.5	1.6	9.2	10	0.1	0.5	0.2	37	0.11	0.044
106039	Soil	1.2	10.4	14.7	48	<0.1	12.6	5.4	242	2.49	6.8	4.5	1.2	8.4	9	<0.1	0.4	0.3	34	0.12	0.064



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Project: Burnham
 Report Date: August 04, 2011

Page: 10 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11000578.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
107422	Soil	27	15	0.42	104	0.084	<1	2.28	0.005	0.30	0.1	0.01	2.9	0.5	<0.05	10	<0.5	<0.2
107423	Soil	37	24	1.06	190	0.173	<1	3.44	0.007	0.95	0.3	<0.01	7.0	1.2	<0.05	15	<0.5	<0.2
107424	Soil	39	26	0.65	132	0.217	1	2.79	0.007	0.68	0.2	<0.01	4.5	0.9	<0.05	14	<0.5	<0.2
107425	Soil	43	26	0.57	154	0.174	1	2.77	0.006	0.58	0.2	0.03	4.2	0.7	<0.05	12	<0.5	<0.2
107426	Soil	30	34	0.74	206	0.264	<1	3.21	0.008	0.95	1.2	0.02	7.7	0.9	<0.05	12	<0.5	<0.2
107427	Soil	43	23	0.67	121	0.185	<1	2.62	0.007	0.58	0.2	<0.01	4.8	0.7	<0.05	11	0.9	<0.2
106019	Soil	19	27	0.38	182	0.027	<1	1.82	0.007	0.06	0.2	0.04	3.0	0.1	<0.05	5	<0.5	<0.2
106020	Soil	58	29	0.45	226	0.033	1	1.96	0.007	0.05	0.2	0.04	4.1	0.1	<0.05	5	0.7	<0.2
106021	Soil	13	29	0.45	164	0.040	<1	2.14	0.005	0.06	0.2	0.04	2.8	0.1	<0.05	6	<0.5	<0.2
106022	Soil	11	26	0.37	122	0.033	2	1.77	0.005	0.05	0.2	0.02	2.0	0.1	<0.05	7	0.6	<0.2
106023	Soil	23	29	0.47	238	0.040	1	1.94	0.007	0.07	0.5	0.04	3.5	0.1	<0.05	5	<0.5	<0.2
106024	Soil	16	28	0.37	135	0.041	1	1.82	0.007	0.05	0.2	0.03	2.4	0.2	<0.05	5	0.9	<0.2
106025	Soil	22	17	0.22	85	0.027	1	1.28	0.004	0.07	0.3	0.02	1.7	0.2	<0.05	7	<0.5	<0.2
106026	Soil	18	27	0.39	168	0.040	1	1.85	0.007	0.06	0.2	0.03	3.2	0.2	<0.05	5	<0.5	<0.2
106027	Soil	15	27	0.39	134	0.031	1	1.89	0.005	0.05	0.2	0.04	2.2	0.1	<0.05	5	0.6	<0.2
106028	Soil	14	25	0.36	122	0.039	<1	1.63	0.004	0.04	0.2	0.03	2.9	0.1	<0.05	5	0.7	<0.2
106029	Soil	17	23	0.35	106	0.034	<1	1.59	0.005	0.05	0.2	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
106030	Soil	20	22	0.27	103	0.031	<1	1.73	0.005	0.09	0.2	0.03	1.7	0.2	<0.05	7	0.6	<0.2
106031	Soil	17	25	0.42	211	0.040	1	1.54	0.009	0.06	0.3	0.03	3.2	0.1	<0.05	4	<0.5	<0.2
106032	Soil	25	27	0.41	176	0.054	1	1.88	0.008	0.11	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
106033	Soil	18	26	0.37	137	0.044	<1	1.55	0.006	0.07	0.2	0.02	2.8	0.2	<0.05	5	<0.5	<0.2
106034	Soil	27	16	0.21	73	0.018	<1	1.23	0.004	0.08	0.2	0.01	1.6	0.2	<0.05	5	<0.5	<0.2
106035	Soil	12	20	0.25	80	0.032	1	1.49	0.005	0.06	0.2	<0.01	1.8	0.2	<0.05	6	<0.5	<0.2
106036	Soil	26	25	0.37	150	0.051	2	1.53	0.007	0.07	0.3	0.02	2.9	0.2	<0.05	6	0.8	<0.2
106037	Soil	23	20	0.32	126	0.045	<1	1.55	0.006	0.13	0.2	0.02	2.4	0.3	<0.05	6	<0.5	<0.2
106038	Soil	26	23	0.32	143	0.025	<1	1.46	0.005	0.05	0.2	0.04	2.4	0.2	<0.05	5	<0.5	<0.2
106039	Soil	28	21	0.28	118	0.021	<1	1.48	0.004	0.07	0.2	0.02	1.8	0.2	<0.05	5	0.9	<0.2



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Project: Burnham
 Report Date: August 04, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000578.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
104373	Soil	0.8	43.7	7.9	61	<0.1	49.6	15.4	287	3.35	5.9	1.0	1.3	6.7	22	<0.1	0.3	2.5	76	0.23	0.023
REP 104373	QC	0.7	41.6	7.8	59	<0.1	47.6	15.3	269	3.28	5.3	0.9	1.0	6.4	20	<0.1	0.3	2.4	72	0.23	0.022
104388	Soil	1.0	15.3	12.5	47	<0.1	11.4	6.4	205	2.33	6.6	3.1	2.0	21.7	14	0.1	0.5	0.8	28	0.15	0.028
REP 104388	QC	1.0	14.1	11.6	44	<0.1	11.2	6.3	197	2.21	6.1	2.9	1.6	20.8	13	<0.1	0.4	0.8	27	0.15	0.027
108469	Soil	2.0	23.4	11.8	40	<0.1	10.5	4.6	255	2.58	9.4	2.3	1.4	8.2	10	<0.1	0.6	5.0	44	0.11	0.058
REP 108469	QC	2.1	24.0	12.1	42	<0.1	11.7	4.8	258	2.67	9.7	2.2	1.8	8.0	10	0.1	0.5	5.1	45	0.11	0.058
108487	Soil	1.2	22.8	11.3	57	<0.1	16.8	7.0	238	2.46	7.9	6.2	3.5	10.3	12	<0.1	0.6	0.5	42	0.11	0.024
REP 108487	QC	1.2	22.6	10.5	55	<0.1	17.1	7.1	232	2.47	7.6	6.0	3.3	9.9	12	<0.1	0.6	0.5	42	0.11	0.023
105348	Soil	1.5	19.9	15.0	63	<0.1	25.6	9.2	288	3.00	10.7	1.9	2.3	19.4	9	<0.1	0.7	0.2	43	0.08	0.035
REP 105348	QC	1.4	19.1	14.8	64	<0.1	26.2	9.5	291	3.03	10.9	1.8	0.7	19.8	9	<0.1	0.6	0.2	44	0.09	0.035
105367	Soil	1.3	19.2	13.3	57	<0.1	19.2	9.2	268	2.89	11.6	1.0	2.4	10.3	9	<0.1	0.7	0.3	56	0.07	0.028
REP 105367	QC	1.4	19.7	13.7	59	<0.1	19.4	9.7	278	2.97	11.5	1.1	1.1	10.5	9	<0.1	0.7	0.2	58	0.07	0.031
105394	Soil	1.4	12.3	28.4	121	<0.1	18.2	9.5	405	5.65	4.5	5.8	0.6	62.4	14	<0.1	0.2	0.4	48	0.57	0.312
REP 105394	QC	1.7	13.0	29.4	128	<0.1	19.1	9.7	437	5.56	4.3	6.0	<0.5	63.6	15	<0.1	0.2	0.4	49	0.57	0.301
112424	Soil	0.9	9.5	12.5	46	<0.1	13.6	5.7	203	2.52	6.0	1.1	0.6	7.5	6	<0.1	0.4	0.3	41	0.08	0.039
REP 112424	QC	0.9	8.9	12.5	46	<0.1	13.8	5.8	202	2.53	6.3	1.1	0.6	7.2	6	<0.1	0.4	0.3	42	0.08	0.037
112449	Soil	1.2	19.4	11.5	65	<0.1	19.7	7.2	244	2.52	7.7	2.5	4.3	9.6	16	0.2	0.5	0.3	42	0.20	0.058
REP 112449	QC	1.2	19.9	10.9	65	<0.1	19.1	7.2	245	2.52	7.6	2.5	3.5	9.7	15	<0.1	0.5	0.3	42	0.20	0.058
112465	Soil	1.0	15.6	12.0	65	<0.1	19.7	10.8	287	3.57	13.8	1.0	<0.5	18.8	9	<0.1	0.5	0.3	53	0.11	0.059
REP 112465	QC	0.9	16.0	11.5	65	<0.1	20.2	10.8	285	3.54	14.4	1.0	1.4	18.4	9	<0.1	0.5	0.3	55	0.11	0.056
103379	Soil	1.3	18.3	15.0	58	<0.1	17.9	8.6	362	2.93	12.6	6.8	1.6	11.9	10	<0.1	0.7	0.5	49	0.10	0.033
REP 103379	QC	1.2	18.5	15.1	59	<0.1	18.6	9.0	354	2.98	12.3	6.7	2.3	12.1	11	<0.1	0.7	0.5	47	0.10	0.034
112470	Soil	1.1	15.4	11.8	65	<0.1	22.6	10.0	240	3.27	12.8	0.8	1.3	13.6	11	<0.1	0.6	0.2	55	0.13	0.039
REP 112470	QC	1.0	15.2	12.0	62	<0.1	22.0	9.7	236	3.16	12.9	0.8	1.8	13.5	11	0.1	0.6	0.2	53	0.12	0.038
107407	Soil	0.7	22.6	11.0	65	<0.1	18.2	9.7	458	3.21	6.4	3.0	2.0	22.5	15	<0.1	0.5	0.2	41	0.18	0.045
REP 107407	QC	0.6	22.3	10.8	66	<0.1	18.7	10.0	452	3.17	6.4	2.9	2.3	22.5	15	<0.1	0.5	0.3	41	0.18	0.046
106025	Soil	1.6	10.5	13.2	51	<0.1	10.6	5.1	229	3.15	9.6	3.3	1.8	2.8	8	0.1	0.5	0.3	52	0.06	0.067
REP 106025	QC	1.4	9.7	12.3	48	<0.1	10.3	5.1	228	3.07	9.7	3.2	0.6	2.6	8	<0.1	0.6	0.3	52	0.07	0.064

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.



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Project: Burnham
 Report Date: August 04, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000578.1

Method	Analyte	Unit	MDL	1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
Pulp Duplicates																				
104373	Soil			18	82	1.04	245	0.192	<1	2.54	0.012	0.19	4.2	0.01	4.7	0.2	<0.05	8	<0.5	<0.2
REP 104373	QC			17	78	0.99	240	0.183	<1	2.39	0.011	0.18	4.2	<0.01	4.6	0.2	<0.05	8	<0.5	<0.2
104388	Soil			62	18	0.31	152	0.015	<1	1.52	0.008	0.07	1.1	0.01	2.6	0.2	<0.05	6	<0.5	<0.2
REP 104388	QC			61	17	0.30	150	0.014	<1	1.48	0.008	0.06	1.1	0.01	2.5	0.2	<0.05	6	<0.5	<0.2
108469	Soil			18	20	0.32	120	0.051	<1	1.45	0.007	0.12	9.3	0.01	1.7	0.3	<0.05	6	<0.5	0.2
REP 108469	QC			18	20	0.32	117	0.048	<1	1.45	0.007	0.12	9.2	0.02	1.7	0.3	<0.05	6	<0.5	0.4
108487	Soil			19	27	0.44	173	0.039	<1	1.60	0.009	0.06	0.7	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
REP 108487	QC			19	27	0.42	166	0.043	1	1.59	0.007	0.06	0.7	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
105348	Soil			20	31	0.48	144	0.055	<1	2.21	0.006	0.18	0.2	0.01	3.2	0.4	<0.05	6	0.6	<0.2
REP 105348	QC			21	32	0.49	143	0.061	<1	2.19	0.006	0.19	0.2	0.02	3.4	0.4	<0.05	6	<0.5	<0.2
105367	Soil			17	34	0.49	188	0.071	<1	1.96	0.007	0.10	0.2	0.01	3.6	0.2	<0.05	6	<0.5	<0.2
REP 105367	QC			17	35	0.50	200	0.074	<1	2.04	0.008	0.11	0.2	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
105394	Soil			72	32	0.54	176	0.166	<1	3.18	0.010	0.33	0.5	0.01	3.6	0.3	<0.05	21	<0.5	<0.2
REP 105394	QC			73	33	0.60	183	0.218	<1	3.24	0.010	0.35	0.9	0.02	4.0	0.3	<0.05	21	<0.5	<0.2
112424	Soil			12	22	0.31	83	0.011	<1	1.60	0.004	0.07	0.2	0.01	2.1	0.2	<0.05	6	<0.5	<0.2
REP 112424	QC			13	23	0.31	85	0.013	<1	1.59	0.004	0.07	0.2	0.01	2.2	0.2	<0.05	6	<0.5	<0.2
112449	Soil			26	27	0.40	214	0.050	1	1.52	0.007	0.09	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
REP 112449	QC			27	27	0.40	215	0.054	<1	1.53	0.007	0.09	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
112465	Soil			12	29	0.51	164	0.136	1	2.32	0.007	0.42	0.3	0.01	3.7	0.5	<0.05	8	<0.5	<0.2
REP 112465	QC			12	28	0.49	161	0.136	1	2.28	0.006	0.41	0.2	0.01	3.8	0.5	<0.05	9	<0.5	<0.2
103379	Soil			22	27	0.36	193	0.022	<1	1.87	0.006	0.06	0.2	0.05	3.4	0.2	<0.05	5	<0.5	<0.2
REP 103379	QC			21	27	0.37	187	0.021	<1	1.90	0.006	0.06	0.2	0.05	3.2	0.2	<0.05	5	<0.5	<0.2
112470	Soil			12	28	0.46	223	0.052	<1	2.33	0.006	0.16	0.1	0.02	2.7	0.3	<0.05	7	<0.5	<0.2
REP 112470	QC			12	29	0.46	217	0.058	<1	2.35	0.006	0.16	0.2	0.01	2.8	0.2	<0.05	7	<0.5	<0.2
107407	Soil			48	23	0.45	284	0.042	<1	1.83	0.006	0.11	0.2	0.03	4.6	0.2	<0.05	6	<0.5	<0.2
REP 107407	QC			49	22	0.45	293	0.045	<1	1.80	0.006	0.11	0.1	0.02	4.4	0.2	<0.05	6	<0.5	<0.2
106025	Soil			22	17	0.22	85	0.027	1	1.28	0.004	0.07	0.3	0.02	1.7	0.2	<0.05	7	<0.5	<0.2
REP 106025	QC			22	18	0.23	84	0.031	<1	1.22	0.004	0.07	0.3	0.01	1.8	0.2	<0.05	7	<0.5	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.

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

Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000578.1

		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
Reference Materials																					
STD DS8	Standard	12.3	99.6	116.2	280	1.6	34.6	6.7	555	2.25	25.5	2.5	99.6	6.0	59	2.0	4.8	5.6	38	0.63	0.073
STD DS8	Standard	12.0	101.7	116.6	286	1.7	36.2	7.1	541	2.27	24.8	2.5	99.6	5.9	56	2.1	4.9	5.8	38	0.61	0.073
STD DS8	Standard	11.8	101.2	125.8	307	1.9	35.5	7.0	590	2.37	26.3	2.9	104.4	7.1	65	2.3	5.8	6.9	38	0.69	0.078
STD DS8	Standard	12.2	103.5	130.9	305	1.8	35.7	7.2	589	2.40	25.9	3.1	106.0	7.4	69	2.3	5.7	7.1	38	0.67	0.081
STD DS8	Standard	12.4	111.7	128.3	301	1.8	37.4	7.4	596	2.38	27.9	2.6	106.7	6.4	59	2.3	5.6	6.5	43	0.65	0.076
STD DS8	Standard	13.3	108.5	126.3	306	1.8	36.5	7.4	585	2.36	26.7	2.7	105.0	6.9	62	2.1	5.7	6.4	41	0.67	0.080
STD DS8	Standard	12.0	112.5	125.4	319	1.9	38.5	7.7	607	2.49	26.9	2.8	106.1	6.6	64	2.4	5.5	6.5	41	0.64	0.081
STD DS8	Standard	13.6	108.0	123.9	308	1.8	37.3	7.4	595	2.41	26.4	2.8	114.1	6.7	65	2.2	5.6	6.3	41	0.64	0.074
STD DS8	Standard	12.9	104.3	120.6	302	1.8	36.3	7.2	589	2.39	26.7	2.7	111.6	6.7	66	2.1	5.6	6.6	42	0.65	0.076
STD DS8	Standard	12.5	101.6	115.8	289	1.5	34.4	6.9	551	2.25	24.4	2.5	114.4	6.5	64	2.1	5.2	6.1	38	0.62	0.072
STD DS8	Standard	12.4	104.7	116.2	299	1.7	35.7	7.3	599	2.41	25.6	2.6	110.1	6.5	71	2.3	5.7	6.6	41	0.67	0.078
STD DS8	Standard	12.3	109.0	119.4	313	1.8	36.0	7.5	626	2.50	26.7	2.8	121.9	6.8	72	2.2	6.1	6.8	42	0.70	0.082
STD DS8	Standard	12.9	113.0	129.2	311	1.8	38.5	8.1	621	2.51	27.7	2.8	176.0	7.1	63	2.2	5.4	6.5	44	0.71	0.080
STD DS8	Standard	13.5	115.5	130.5	316	1.9	38.4	8.0	628	2.55	27.0	2.7	114.9	7.1	64	2.3	5.4	6.6	44	0.71	0.079
STD DS8	Standard	13.7	108.1	122.3	306	1.8	38.9	7.8	604	2.45	26.7	2.8	115.5	6.8	65	2.0	5.3	6.0	44	0.72	0.078
STD DS8	Standard	14.1	101.6	125.0	305	1.8	38.2	7.9	617	2.48	26.3	2.7	110.9	7.0	64	2.3	5.2	6.1	43	0.66	0.078
STD DS8	Standard	12.6	105.5	127.5	303	1.8	36.9	7.1	587	2.39	26.3	2.7	170.8	6.6	64	2.3	5.6	6.5	41	0.70	0.080
STD DS8	Standard	12.7	106.4	120.6	295	1.7	36.0	7.1	588	2.40	24.9	2.6	107.0	6.4	62	2.4	5.4	6.3	39	0.65	0.073
STD DS8	Standard	12.6	108.4	121.2	297	1.7	35.1	7.0	584	2.36	26.1	2.9	116.4	7.4	68	2.3	5.7	6.7	41	0.67	0.077
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	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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 Val D'Or QC J9P 1S5 Canada

Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000578.1

		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	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	
Reference Materials																			
STD DS8	Standard	13	106	0.55	256	0.104	2	0.83	0.086	0.39	2.8	0.20	1.9	5.0	0.13	4	4.8	5.2	
STD DS8	Standard	12	107	0.56	242	0.096	2	0.81	0.081	0.39	2.4	0.18	1.8	4.9	0.13	4	4.7	4.7	
STD DS8	Standard	14	111	0.62	274	0.104	3	0.89	0.091	0.42	3.0	0.22	1.9	5.3	0.17	4	5.8	5.3	
STD DS8	Standard	15	114	0.60	283	0.110	3	0.91	0.094	0.41	2.9	0.21	2.0	5.3	0.16	4	5.1	4.7	
STD DS8	Standard	13	116	0.58	256	0.108	3	0.86	0.080	0.40	2.9	0.20	1.8	5.3	0.16	5	4.8	5.1	
STD DS8	Standard	14	113	0.59	271	0.113	3	0.88	0.084	0.41	2.9	0.20	2.1	5.3	0.19	5	5.0	4.6	
STD DS8	Standard	13	118	0.62	257	0.113	3	0.87	0.080	0.40	2.8	0.19	1.9	5.3	0.17	4	5.5	4.8	
STD DS8	Standard	14	115	0.59	258	0.115	3	0.88	0.081	0.39	2.9	0.18	1.9	5.3	0.17	5	4.8	4.8	
STD DS8	Standard	14	118	0.59	270	0.119	3	0.86	0.081	0.41	3.0	0.21	1.9	5.0	0.17	4	5.0	4.6	
STD DS8	Standard	13	107	0.56	260	0.112	2	0.83	0.074	0.37	2.6	0.19	1.8	4.8	0.15	4	4.7	4.6	
STD DS8	Standard	14	116	0.60	274	0.118	3	0.90	0.093	0.41	2.8	0.16	2.1	5.4	0.18	5	5.3	4.9	
STD DS8	Standard	15	119	0.63	275	0.125	2	0.94	0.093	0.44	3.1	0.21	2.2	5.4	0.19	5	5.6	5.2	
STD DS8	Standard	15	119	0.62	269	0.114	3	0.91	0.084	0.40	2.9	0.21	2.1	5.3	0.17	5	5.2	4.9	
STD DS8	Standard	16	123	0.63	280	0.118	3	0.94	0.086	0.42	3.1	0.23	2.3	5.5	0.16	5	5.0	4.8	
STD DS8	Standard	16	117	0.59	278	0.119	3	0.93	0.089	0.42	3.0	0.21	2.2	5.1	0.12	5	5.2	4.8	
STD DS8	Standard	16	119	0.61	271	0.116	2	0.95	0.090	0.41	3.1	0.21	1.9	5.1	0.11	5	5.0	5.2	
STD DS8	Standard	14	111	0.60	271	0.107	3	0.88	0.085	0.41	2.7	0.18	2.0	5.3	0.16	5	6.0	4.7	
STD DS8	Standard	14	109	0.56	281	0.108	2	0.85	0.081	0.40	2.9	0.19	2.0	5.3	0.12	4	5.3	4.6	
STD DS8	Standard	16	111	0.60	280	0.118	2	0.88	0.084	0.41	2.8	0.20	2.1	5.3	0.13	5	4.7	5.1	
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	

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Val D'Or QC J9P 1S5 Canada

Project: Burnham

Report Date: August 04, 2011

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

WHI11000578.1

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



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Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000578.1

		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	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 14, 2011
Report Date: August 02, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000589.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 20110703
P.O. Number
Number of Samples: 317

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

ADDITIONAL COMMENTS



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 Val D'Or QC J9P 1S5 Canada

Project: Burnham
 Report Date: August 02, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
106040	Soil	0.9	7.5	12.5	43	<0.1	10.2	4.0	148	2.37	8.0	2.5	1.8	6.4	9	<0.1	0.5	0.4	38	0.10	0.041
106041	Soil	1.5	13.5	15.8	52	<0.1	13.6	5.4	218	3.10	11.1	4.6	4.9	10.7	10	<0.1	0.6	0.5	49	0.11	0.045
106042	Soil	1.3	20.9	12.1	50	<0.1	14.6	7.5	274	2.92	10.6	6.4	5.4	7.7	10	<0.1	0.7	0.3	56	0.09	0.034
106043	Soil	1.1	26.6	14.0	55	0.1	17.0	8.5	332	2.97	10.5	5.9	4.5	17.8	11	<0.1	0.7	0.3	53	0.08	0.023
106044	Soil	0.9	16.9	12.4	52	<0.1	14.7	7.2	234	2.81	10.9	1.9	2.3	8.3	12	<0.1	0.5	0.4	50	0.10	0.025
106045	Soil	0.8	17.3	12.1	47	<0.1	16.4	7.4	249	2.40	8.1	1.2	2.8	9.3	11	<0.1	0.6	0.3	48	0.09	0.020
120441	Soil	0.9	27.0	9.6	58	<0.1	24.1	10.5	306	2.76	11.1	1.2	2.7	11.2	14	<0.1	0.7	0.3	49	0.15	0.041
120442	Soil	0.9	18.4	10.2	57	<0.1	18.4	8.2	289	2.59	9.3	1.6	2.6	9.4	11	<0.1	0.6	0.4	42	0.11	0.033
120443	Soil	1.3	23.7	17.4	52	0.2	15.0	7.2	321	2.90	7.8	3.2	1.3	13.0	14	<0.1	0.5	0.3	60	0.13	0.033
120444	Soil	1.2	19.4	11.8	62	<0.1	23.7	10.7	284	2.89	14.2	0.9	2.9	6.1	12	0.1	0.9	0.2	55	0.11	0.033
120445	Soil	0.7	8.8	9.8	37	<0.1	11.4	4.6	151	2.36	10.1	0.5	9.0	2.5	8	<0.1	0.5	0.2	47	0.07	0.022
120446	Soil	1.5	10.8	12.4	47	<0.1	13.1	5.1	244	3.08	13.1	1.2	1.3	2.3	8	<0.1	0.6	0.4	66	0.07	0.046
120447	Soil	1.0	9.0	10.7	55	<0.1	12.8	5.7	282	2.70	8.5	2.1	<0.5	10.7	9	0.1	0.5	0.2	42	0.09	0.040
120448	Soil	1.3	14.4	13.3	68	<0.1	16.8	11.3	444	3.13	7.4	3.8	5.1	18.9	11	<0.1	0.5	0.2	40	0.16	0.076
120449	Soil	1.2	19.7	12.0	51	<0.1	15.8	7.2	263	2.61	9.6	4.1	5.4	7.8	12	<0.1	0.7	0.2	46	0.11	0.042
120450	Soil	1.3	10.0	12.9	41	<0.1	12.1	5.1	198	3.16	10.2	1.7	0.7	3.2	10	<0.1	0.6	0.3	61	0.08	0.036
120451	Soil	1.1	10.6	10.2	43	<0.1	11.7	5.6	216	2.42	7.0	2.9	2.5	10.6	8	<0.1	0.5	1.8	38	0.07	0.027
120452	Soil	1.2	13.6	14.8	69	0.1	15.8	9.0	348	2.94	7.9	2.3	1.4	5.6	13	0.1	0.5	0.7	58	0.11	0.049
120453	Soil	1.2	10.8	13.5	50	<0.1	13.9	6.5	234	2.96	10.7	2.3	1.6	5.8	9	<0.1	0.6	0.4	50	0.07	0.036
120454	Soil	1.2	10.1	12.9	48	<0.1	12.8	5.5	210	3.57	12.4	1.3	1.0	4.2	10	<0.1	0.7	0.3	65	0.08	0.034
120455	Soil	1.2	15.3	11.2	53	<0.1	15.7	6.9	240	2.71	11.4	3.4	1.8	3.5	12	0.1	0.6	0.7	46	0.10	0.031
120456	Soil	0.8	19.1	10.9	52	<0.1	16.3	6.1	227	2.32	9.8	6.7	4.0	1.8	13	<0.1	0.6	0.8	42	0.12	0.056
120457	Soil	1.0	16.8	9.4	51	<0.1	15.3	6.6	268	2.27	8.2	4.6	2.2	6.5	12	<0.1	0.5	0.4	40	0.14	0.054
120458	Soil	1.0	17.6	9.7	52	<0.1	16.1	6.6	265	2.32	8.3	4.5	5.3	6.1	12	<0.1	0.5	0.3	40	0.14	0.051
120459	Soil	1.2	18.4	10.3	61	<0.1	18.9	7.8	320	2.51	9.1	4.0	1.7	8.0	12	0.1	0.6	0.5	43	0.13	0.048
120460	Soil	1.5	15.3	15.2	65	<0.1	18.3	7.8	302	3.07	9.3	5.3	1.3	15.8	9	0.1	0.6	0.5	47	0.08	0.030
120461	Soil	1.4	17.2	12.5	63	<0.1	19.8	9.3	296	2.84	9.8	4.1	1.9	13.2	13	<0.1	0.6	0.3	49	0.13	0.031
120462	Soil	0.9	24.3	12.1	62	<0.1	20.8	10.0	353	2.79	9.9	4.2	2.7	9.6	12	<0.1	0.8	0.2	49	0.11	0.037
120463	Soil	1.0	12.9	13.6	55	<0.1	14.0	7.2	291	2.71	8.4	4.6	5.1	14.3	9	<0.1	0.6	0.3	39	0.10	0.041
120464	Soil	0.9	8.8	11.5	46	<0.1	11.4	5.1	214	2.51	6.8	3.6	1.7	8.4	9	<0.1	0.5	0.4	38	0.09	0.039

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 Report Date: August 02, 2011

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
106040	Soil	18	19	0.30	89	0.025	2	1.33	0.005	0.04	0.2	0.03	1.6	0.2	<0.05	5	0.7	<0.2
106041	Soil	22	28	0.35	131	0.025	<1	1.82	0.007	0.05	0.2	0.04	2.3	0.2	<0.05	6	0.7	<0.2
106042	Soil	20	29	0.43	164	0.045	<1	1.84	0.006	0.06	0.2	0.04	2.8	0.1	<0.05	6	<0.5	<0.2
106043	Soil	57	31	0.46	178	0.040	<1	1.88	0.009	0.05	0.2	0.06	4.8	0.2	<0.05	5	<0.5	<0.2
106044	Soil	19	29	0.45	150	0.045	1	1.77	0.006	0.06	0.1	0.03	3.4	0.1	<0.05	5	<0.5	<0.2
106045	Soil	19	29	0.45	195	0.046	2	1.78	0.012	0.05	<0.1	0.03	3.8	0.2	<0.05	5	<0.5	<0.2
120441	Soil	27	32	0.53	197	0.061	1	1.86	0.009	0.09	0.2	0.04	3.5	0.2	<0.05	5	<0.5	<0.2
120442	Soil	22	25	0.47	131	0.039	2	1.55	0.006	0.07	0.3	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
120443	Soil	56	29	0.44	219	0.032	<1	2.01	0.009	0.05	0.2	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
120444	Soil	13	30	0.54	191	0.047	1	1.98	0.008	0.06	0.2	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
120445	Soil	12	20	0.34	91	0.037	1	1.26	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
120446	Soil	11	23	0.29	77	0.047	<1	1.21	0.005	0.06	0.3	0.02	1.6	0.1	<0.05	8	<0.5	<0.2
120447	Soil	23	20	0.37	98	0.050	1	1.45	0.006	0.12	0.2	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
120448	Soil	45	25	0.44	111	0.033	<1	1.75	0.007	0.08	0.3	0.04	2.6	0.2	<0.05	6	<0.5	<0.2
120449	Soil	21	26	0.44	135	0.041	<1	1.59	0.007	0.06	0.2	0.04	3.0	0.2	<0.05	5	<0.5	<0.2
120450	Soil	16	25	0.38	118	0.044	1	1.67	0.006	0.05	0.3	0.02	2.4	0.2	<0.05	7	<0.5	<0.2
120451	Soil	14	19	0.29	88	0.046	<1	1.65	0.005	0.11	0.3	0.01	2.0	0.3	<0.05	6	0.6	<0.2
120452	Soil	21	26	0.36	180	0.045	1	1.91	0.006	0.06	0.2	0.03	2.2	0.2	<0.05	7	<0.5	<0.2
120453	Soil	17	25	0.37	139	0.038	<1	1.77	0.005	0.05	0.2	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
120454	Soil	14	28	0.37	142	0.045	<1	1.78	0.005	0.05	1.0	0.03	2.2	0.2	<0.05	7	0.7	<0.2
120455	Soil	14	25	0.40	132	0.039	<1	1.69	0.006	0.06	0.3	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
120456	Soil	19	25	0.40	160	0.035	<1	1.46	0.008	0.07	0.2	0.04	2.0	0.2	<0.05	5	<0.5	<0.2
120457	Soil	20	36	0.40	154	0.051	5	1.34	0.007	0.07	0.2	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
120458	Soil	20	24	0.40	155	0.054	<1	1.37	0.007	0.07	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
120459	Soil	18	25	0.42	141	0.060	<1	1.36	0.007	0.08	0.2	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
120460	Soil	24	28	0.42	130	0.039	1	2.16	0.006	0.10	0.2	0.02	3.0	0.3	<0.05	6	<0.5	<0.2
120461	Soil	24	29	0.48	199	0.051	<1	1.81	0.007	0.07	0.2	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
120462	Soil	20	29	0.49	221	0.042	<1	1.78	0.008	0.05	0.1	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
120463	Soil	26	24	0.39	117	0.027	<1	1.68	0.006	0.06	0.2	0.02	2.2	0.3	<0.05	5	<0.5	<0.2
120464	Soil	18	19	0.33	106	0.030	<1	1.40	0.005	0.05	0.2	0.01	1.8	0.2	<0.05	5	<0.5	<0.2

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Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
120465	Soil	1.4	9.5	12.6	52	<0.1	13.4	6.4	285	2.96	9.3	2.5	4.2	7.7	9	<0.1	0.7	0.4	49	0.09	0.039
120466	Soil	1.2	6.0	10.9	37	<0.1	8.0	3.8	209	2.06	5.4	3.1	4.0	1.4	5	<0.1	0.4	0.6	31	0.05	0.082
120467	Soil	0.9	11.4	11.4	48	<0.1	14.1	8.0	265	3.31	10.1	3.2	2.1	20.9	8	<0.1	0.5	0.2	42	0.12	0.063
120468	Soil	1.1	7.6	12.5	54	<0.1	11.7	5.7	286	3.22	8.3	1.6	<0.5	11.8	7	<0.1	0.4	0.3	49	0.11	0.065
120469	Soil	1.1	16.9	13.0	54	<0.1	14.9	6.8	184	2.83	7.5	10.9	2.3	10.8	13	<0.1	0.5	0.2	32	0.15	0.059
120470	Soil	0.9	22.8	12.1	52	<0.1	17.3	8.5	287	2.97	9.7	2.3	2.2	9.1	11	<0.1	0.5	0.5	52	0.12	0.038
120471	Soil	0.7	22.8	9.0	46	<0.1	17.1	6.8	198	2.25	8.1	2.7	6.3	6.4	12	<0.1	0.5	0.2	46	0.12	0.021
120472	Soil	0.9	17.0	10.7	45	<0.1	16.3	7.1	188	2.36	9.4	1.1	3.9	9.1	11	<0.1	0.4	0.2	44	0.11	0.018
120473	Soil	1.2	13.0	9.5	67	<0.1	16.4	7.9	297	2.97	10.1	2.1	0.8	10.2	7	0.1	0.6	0.2	52	0.09	0.051
120474	Soil	0.9	12.2	10.6	57	<0.1	16.7	9.3	317	2.70	10.7	1.8	1.6	9.8	8	<0.1	0.5	0.2	43	0.09	0.052
120475	Soil	1.5	11.5	9.8	56	<0.1	8.5	5.1	262	3.12	7.2	4.0	<0.5	10.5	4	<0.1	0.3	0.2	40	0.05	0.049
120476	Soil	0.8	15.8	9.6	66	<0.1	12.9	6.7	375	3.26	6.3	5.9	1.7	28.0	6	<0.1	0.3	1.6	39	0.10	0.064
120477	Soil	1.3	12.0	11.3	61	<0.1	14.5	8.7	323	3.18	11.9	1.5	1.0	3.9	7	<0.1	0.5	0.3	56	0.06	0.046
120478	Soil	1.0	11.8	11.4	46	<0.1	11.1	6.4	361	2.38	7.9	3.8	2.2	6.6	6	<0.1	0.3	0.2	39	0.09	0.069
120479	Soil	1.2	11.4	12.4	74	<0.1	12.6	6.7	329	4.05	10.3	2.9	1.6	14.7	6	0.1	0.5	0.3	61	0.06	0.053
120480	Soil	1.1	15.5	10.8	55	<0.1	19.1	8.9	258	2.90	13.2	0.8	0.7	5.8	8	<0.1	0.7	0.2	54	0.07	0.029
120481	Soil	1.4	16.2	11.0	61	<0.1	18.1	7.0	263	4.21	14.4	1.1	2.2	4.9	8	<0.1	0.7	0.2	65	0.07	0.065
120482	Soil	0.9	14.9	9.7	47	<0.1	17.6	7.5	198	2.63	12.1	1.3	2.9	6.3	7	<0.1	0.6	0.2	49	0.05	0.023
109360	Soil	1.5	9.1	10.8	43	<0.1	11.3	5.0	196	3.26	12.3	0.8	1.3	6.4	8	0.1	0.5	0.5	59	0.07	0.034
109361	Soil	0.9	24.3	10.7	55	<0.1	21.2	9.7	261	2.62	10.7	1.0	3.4	13.6	10	<0.1	0.5	0.3	46	0.09	0.030
109362	Soil	1.0	16.9	14.8	65	<0.1	11.2	6.0	275	3.03	9.5	2.0	4.2	13.4	8	0.2	0.4	1.8	47	0.12	0.083
109363	Soil	0.8	9.9	16.2	64	<0.1	10.3	7.1	283	4.25	5.8	2.5	1.8	30.2	7	0.1	0.2	1.7	49	0.07	0.040
109364	Soil	0.7	15.0	16.7	82	<0.1	12.0	9.3	364	3.57	4.9	4.5	1.0	43.8	9	0.1	0.2	0.4	36	0.20	0.097
109365	Soil	0.7	12.6	10.5	52	<0.1	16.8	8.6	216	3.20	6.6	2.0	3.9	27.1	10	<0.1	0.3	0.4	40	0.13	0.051
109366	Soil	0.9	18.6	12.2	56	<0.1	16.8	8.6	229	3.05	9.1	2.3	2.6	22.8	8	<0.1	0.5	0.4	52	0.11	0.047
109367	Soil	1.1	16.0	10.6	57	<0.1	15.1	7.7	243	3.06	9.0	1.5	2.0	20.5	9	<0.1	0.5	0.3	52	0.13	0.060
109368	Soil	1.2	12.2	11.2	56	<0.1	19.3	10.3	239	2.94	13.2	0.5	2.6	6.8	8	<0.1	0.6	0.2	49	0.07	0.041
109369	Soil	0.5	10.4	11.4	65	<0.1	8.6	6.9	216	3.32	3.3	1.8	2.0	29.5	20	<0.1	0.2	0.3	24	0.36	0.099
109370	Soil	0.9	9.8	9.8	64	<0.1	10.8	10.6	368	3.40	7.5	1.7	0.5	23.0	8	<0.1	0.2	0.3	39	0.16	0.119
109371	Soil	0.9	10.7	10.7	62	<0.1	12.3	7.6	232	2.94	6.8	1.2	2.0	15.1	8	0.1	0.3	0.4	48	0.16	0.072

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Page: 3 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
120465	Soil	17	23	0.37	119	0.034	<1	1.59	0.006	0.05	0.2	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
120466	Soil	18	16	0.17	63	0.014	<1	1.13	0.005	0.06	0.1	0.02	0.7	0.2	<0.05	5	<0.5	<0.2
120467	Soil	32	25	0.46	117	0.055	<1	2.10	0.006	0.17	0.2	0.02	2.3	0.2	<0.05	7	<0.5	<0.2
120468	Soil	13	22	0.39	98	0.078	<1	1.78	0.006	0.13	0.1	0.02	2.2	0.2	<0.05	8	<0.5	<0.2
120469	Soil	44	20	0.30	161	0.019	<1	1.39	0.006	0.08	0.1	0.04	3.2	0.2	<0.05	4	<0.5	<0.2
120470	Soil	27	30	0.46	190	0.081	1	1.96	0.007	0.20	0.3	0.03	3.7	0.3	<0.05	6	<0.5	<0.2
120471	Soil	19	27	0.41	236	0.062	1	1.57	0.007	0.08	0.2	0.02	3.7	0.1	<0.05	4	<0.5	<0.2
120472	Soil	28	27	0.40	218	0.036	1	1.55	0.007	0.05	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
120473	Soil	21	25	0.42	142	0.072	<1	1.93	0.006	0.19	0.2	0.03	2.8	0.4	<0.05	7	<0.5	<0.2
120474	Soil	29	24	0.42	123	0.041	1	1.76	0.005	0.10	0.1	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
120475	Soil	22	17	0.23	51	0.022	<1	1.52	0.004	0.11	0.2	0.01	2.1	0.3	<0.05	6	<0.5	<0.2
120476	Soil	58	20	0.40	128	0.104	1	2.05	0.007	0.44	0.6	<0.01	3.6	0.8	<0.05	8	0.5	<0.2
120477	Soil	14	27	0.40	106	0.032	<1	1.70	0.005	0.06	0.2	0.02	1.9	0.1	<0.05	6	0.5	<0.2
120478	Soil	34	18	0.26	100	0.014	<1	1.47	0.005	0.07	0.2	0.01	1.4	0.2	<0.05	5	<0.5	<0.2
120479	Soil	20	24	0.33	122	0.068	<1	2.12	0.005	0.19	0.3	0.01	2.7	0.4	<0.05	10	<0.5	<0.2
120480	Soil	13	27	0.45	135	0.056	1	1.88	0.005	0.08	0.3	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
120481	Soil	11	29	0.46	102	0.077	<1	1.89	0.007	0.22	0.2	0.03	2.4	0.4	<0.05	8	<0.5	<0.2
120482	Soil	16	26	0.37	98	0.047	<1	1.80	0.006	0.05	0.2	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
109360	Soil	14	24	0.33	86	0.052	<1	1.37	0.005	0.08	0.9	0.03	1.8	0.2	<0.05	7	<0.5	<0.2
109361	Soil	23	27	0.41	188	0.066	<1	1.87	0.008	0.13	0.2	0.05	3.4	0.2	<0.05	5	<0.5	<0.2
109362	Soil	38	20	0.34	81	0.067	<1	1.57	0.006	0.19	1.0	0.01	2.4	0.3	<0.05	7	<0.5	<0.2
109363	Soil	34	20	0.40	125	0.139	<1	2.60	0.007	0.52	2.1	<0.01	4.2	0.8	<0.05	14	<0.5	<0.2
109364	Soil	96	21	0.39	130	0.046	<1	1.92	0.007	0.26	0.7	0.02	4.2	0.2	<0.05	9	0.5	<0.2
109365	Soil	51	23	0.44	179	0.101	<1	2.25	0.009	0.36	0.3	0.02	3.1	0.5	<0.05	9	<0.5	<0.2
109366	Soil	25	30	0.42	143	0.071	<1	2.38	0.007	0.12	0.2	0.02	3.5	0.1	<0.05	8	<0.5	<0.2
109367	Soil	22	26	0.42	139	0.098	1	2.25	0.007	0.27	0.4	0.02	3.5	0.4	<0.05	8	<0.5	<0.2
109368	Soil	14	32	0.43	126	0.043	1	2.35	0.006	0.07	0.2	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
109369	Soil	84	13	0.40	139	0.054	<1	2.42	0.006	0.35	1.4	0.01	2.4	0.5	<0.05	13	<0.5	<0.2
109370	Soil	35	20	0.37	124	0.085	<1	2.36	0.006	0.37	0.4	<0.01	3.0	0.5	<0.05	10	<0.5	<0.2
109371	Soil	19	23	0.34	124	0.097	<1	1.93	0.006	0.21	0.2	0.01	2.3	0.3	<0.05	8	<0.5	<0.2

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Project: Burnham
 Report Date: August 02, 2011

Page: 4 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000589.1

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	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001	
109372	Soil		1.3	23.8	10.3	68	<0.1	23.3	10.1	305	3.23	11.1	1.7	2.1	14.1	11	<0.1	0.5	0.3	64	0.11	0.032
109373	Soil		1.7	12.5	11.0	66	<0.1	18.4	10.5	369	4.58	13.4	0.7	1.8	7.2	10	<0.1	0.5	0.4	80	0.11	0.061
109374	Soil		1.3	14.8	10.2	64	<0.1	20.9	11.2	279	3.28	13.1	0.9	3.8	8.0	9	<0.1	0.5	0.2	59	0.09	0.033
109375	Soil		1.0	17.4	10.6	61	<0.1	20.4	9.8	260	3.43	12.0	1.0	1.5	11.1	10	<0.1	0.6	0.2	61	0.09	0.028
109376	Soil		1.1	26.5	10.8	66	<0.1	20.9	11.6	432	3.66	9.5	2.5	4.1	19.6	12	<0.1	0.5	0.2	66	0.15	0.051
109377	Soil		1.3	10.3	10.7	74	<0.1	10.6	13.9	484	2.73	6.0	0.6	2.8	5.3	8	0.1	0.3	0.2	65	0.08	0.062
109378	Soil		1.0	17.8	11.9	68	<0.1	17.8	8.9	359	3.29	7.1	2.4	2.1	26.9	11	0.1	0.4	0.2	57	0.13	0.034
109379	Soil		1.4	21.4	10.2	51	<0.1	20.2	10.2	269	2.99	10.9	1.5	2.9	21.6	10	<0.1	0.6	0.2	58	0.10	0.033
109380	Soil		1.5	19.9	9.5	76	<0.1	24.8	12.1	387	4.53	7.6	2.0	1.9	22.5	15	<0.1	0.4	0.2	77	0.24	0.089
109382	Soil		1.3	11.8	12.5	86	<0.1	17.6	11.9	502	3.74	7.1	1.0	1.5	15.0	11	0.2	0.3	0.2	60	0.13	0.054
109383	Soil		1.2	12.4	11.7	59	<0.1	18.0	8.9	324	3.52	11.9	0.6	0.8	8.4	9	<0.1	0.6	0.3	64	0.09	0.049
109384	Soil		1.0	7.7	11.2	60	<0.1	13.8	6.9	219	3.02	8.0	0.5	1.2	4.6	9	0.1	0.6	0.2	61	0.09	0.065
109385	Soil		1.2	16.5	11.8	44	0.1	18.1	7.8	218	2.84	11.2	0.6	2.0	7.5	9	<0.1	0.6	0.2	52	0.08	0.037
109386	Soil		0.8	22.7	12.1	98	<0.1	15.4	10.4	447	5.70	6.1	1.3	<0.5	20.5	10	<0.1	0.2	0.2	79	0.22	0.110
109387	Soil		1.4	23.7	18.8	126	<0.1	25.6	16.4	567	7.03	13.0	3.4	<0.5	53.0	12	<0.1	0.3	0.4	111	0.27	0.142
109388	Soil		1.0	14.8	10.9	53	<0.1	21.8	10.1	280	3.33	9.5	1.2	1.7	21.3	14	<0.1	0.5	0.2	62	0.16	0.050
109389	Soil		1.4	22.3	12.6	74	<0.1	21.8	11.4	391	4.33	10.3	2.7	1.5	27.7	18	<0.1	0.5	0.4	73	0.28	0.098
109390	Soil		1.2	20.0	12.1	72	<0.1	22.1	11.5	366	4.21	11.0	1.7	3.9	20.1	16	<0.1	0.6	0.3	70	0.22	0.073
109391	Soil		1.1	18.6	11.9	65	<0.1	20.9	10.6	373	3.81	10.4	1.3	<0.5	20.5	13	<0.1	0.6	0.3	67	0.15	0.064
109392	Soil		1.1	19.6	11.1	61	<0.1	25.1	11.4	268	3.34	12.3	1.9	0.7	16.4	11	<0.1	0.7	0.2	56	0.11	0.035
109393	Soil		0.7	20.2	12.0	73	<0.1	17.4	9.5	303	3.85	6.3	4.3	1.7	41.5	15	<0.1	0.5	0.4	57	0.18	0.057
109394	Soil		0.9	11.8	17.5	87	<0.1	14.1	8.9	755	4.15	5.0	1.5	<0.5	31.9	20	0.2	0.3	0.5	59	0.21	0.167
109395	Soil		1.2	15.7	14.4	72	<0.1	20.3	11.4	320	4.42	7.1	2.8	1.7	42.8	8	<0.1	0.4	0.4	66	0.23	0.117
109396	Soil		1.0	12.8	13.1	65	<0.1	17.1	9.3	289	3.85	9.4	1.2	<0.5	20.4	8	<0.1	0.5	0.3	62	0.11	0.055
109397	Soil		0.7	14.5	12.4	61	<0.1	13.2	8.6	344	3.60	4.2	2.0	<0.5	31.8	11	<0.1	0.3	0.4	42	0.26	0.111
109398	Soil		0.9	31.7	7.9	72	<0.1	30.1	10.0	235	3.05	5.6	1.2	1.9	8.7	24	<0.1	0.3	0.5	63	0.33	0.040
109399	Soil		1.1	15.9	11.9	66	<0.1	15.3	8.6	285	3.45	12.2	1.3	0.6	14.9	7	0.1	0.5	0.2	47	0.11	0.101
109400	Soil		1.3	15.0	14.9	62	<0.1	14.4	7.4	278	3.24	6.6	2.2	1.8	23.1	8	<0.1	0.5	0.2	41	0.07	0.030
109401	Soil		0.8	58.4	16.7	94	<0.1	81.8	23.7	361	5.48	8.5	2.4	<0.5	15.5	141	0.2	0.3	0.4	71	0.46	0.066
109402	Soil		0.8	66.3	11.5	122	<0.1	69.4	26.8	582	5.96	2.5	1.3	<0.5	6.5	17	<0.1	0.1	0.2	51	0.27	0.097

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Project: Burnham
 Report Date: August 02, 2011

Page: 4 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
109372	Soil	41	36	0.55	207	0.092	<1	2.36	0.009	0.17	0.2	0.02	4.8	0.3	<0.05	7	<0.5	<0.2
109373	Soil	13	33	0.56	207	0.129	<1	2.18	0.007	0.25	0.3	0.01	3.9	0.4	<0.05	9	<0.5	<0.2
109374	Soil	15	32	0.52	200	0.082	<1	2.21	0.008	0.15	0.2	0.02	3.5	0.3	<0.05	6	<0.5	<0.2
109375	Soil	20	31	0.51	174	0.088	1	2.07	0.007	0.15	0.2	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
109376	Soil	41	34	0.63	250	0.162	<1	2.49	0.010	0.37	0.2	0.04	7.5	0.4	<0.05	10	<0.5	<0.2
109377	Soil	11	26	0.29	143	0.054	<1	2.13	0.006	0.08	0.1	0.01	2.7	0.2	<0.05	8	<0.5	<0.2
109378	Soil	93	28	0.51	221	0.058	<1	2.07	0.007	0.13	0.2	0.02	4.5	0.3	<0.05	8	<0.5	<0.2
109379	Soil	19	34	0.48	225	0.059	<1	2.30	0.007	0.08	0.2	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
109380	Soil	19	39	0.86	236	0.254	<1	3.02	0.010	0.61	0.2	0.01	7.1	0.7	<0.05	13	<0.5	<0.2
109382	Soil	12	29	0.45	201	0.081	<1	2.52	0.006	0.28	0.2	0.02	3.5	0.4	<0.05	10	<0.5	<0.2
109383	Soil	10	29	0.48	174	0.090	2	2.07	0.005	0.18	0.2	0.03	2.9	0.3	<0.05	8	<0.5	<0.2
109384	Soil	10	23	0.35	129	0.053	<1	1.75	0.005	0.10	0.2	0.02	1.9	0.2	<0.05	7	<0.5	<0.2
109385	Soil	13	27	0.44	159	0.060	1	1.80	0.005	0.09	0.2	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
109386	Soil	25	27	0.73	202	0.360	<1	3.13	0.010	1.00	0.4	0.01	13.1	0.5	<0.05	14	<0.5	<0.2
109387	Soil	26	54	0.84	174	0.294	<1	3.43	0.010	0.82	0.6	0.01	8.7	0.5	<0.05	19	<0.5	<0.2
109388	Soil	19	31	0.51	207	0.113	<1	2.00	0.006	0.25	0.2	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
109389	Soil	43	42	0.66	239	0.264	<1	2.54	0.008	0.72	0.3	0.02	8.7	0.6	<0.05	11	<0.5	<0.2
109390	Soil	30	38	0.63	224	0.221	<1	2.48	0.007	0.57	0.3	0.02	6.6	0.5	<0.05	9	<0.5	<0.2
109391	Soil	35	36	0.55	225	0.187	<1	2.43	0.007	0.45	0.2	0.02	4.9	0.4	<0.05	8	<0.5	<0.2
109392	Soil	21	32	0.58	170	0.139	<1	2.25	0.006	0.27	0.2	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
109393	Soil	66	30	0.56	172	0.176	<1	2.16	0.008	0.51	0.9	0.03	6.7	0.5	<0.05	11	<0.5	<0.2
109394	Soil	22	27	0.50	253	0.135	<1	2.23	0.008	0.46	0.3	0.02	5.0	0.5	<0.05	14	<0.5	<0.2
109395	Soil	29	32	0.60	182	0.204	<1	2.91	0.007	0.48	0.2	0.01	5.8	0.4	<0.05	14	<0.5	<0.2
109396	Soil	12	28	0.51	152	0.139	<1	2.26	0.007	0.37	0.2	0.01	4.4	0.4	<0.05	10	<0.5	<0.2
109397	Soil	33	20	0.50	185	0.191	<1	1.97	0.008	0.48	0.3	<0.01	4.5	0.6	<0.05	12	<0.5	<0.2
109398	Soil	29	49	0.79	225	0.107	<1	2.06	0.011	0.06	0.3	0.01	5.0	<0.1	<0.05	7	<0.5	<0.2
109399	Soil	18	23	0.33	97	0.022	<1	1.75	0.005	0.08	0.3	0.02	2.6	0.1	<0.05	6	<0.5	<0.2
109400	Soil	54	23	0.30	107	0.025	<1	1.21	0.010	0.06	0.2	0.03	4.0	0.1	<0.05	5	<0.5	<0.2
109401	Soil	38	90	1.09	442	0.117	<1	4.50	0.054	0.36	0.4	0.03	11.4	0.3	<0.05	13	<0.5	<0.2
109402	Soil	25	49	0.91	67	0.064	<1	2.25	0.006	0.50	<0.1	0.01	8.7	0.4	<0.05	8	<0.5	<0.2

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 Report Date: August 02, 2011

Page: 5 of 12 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	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	%
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
109403	Soil	1.2	8.7	19.6	56	<0.1	10.9	4.8	268	2.82	5.4	1.6	<0.5	5.3	6	0.1	0.5	0.4	43	0.08	0.079	
109404	Soil	0.9	12.0	18.5	65	<0.1	14.2	7.0	281	2.98	6.5	2.4	1.1	14.5	7	<0.1	0.4	0.5	39	0.08	0.039	
109405	Soil	1.0	14.6	13.9	58	<0.1	20.5	9.7	268	2.72	11.5	1.4	1.5	10.8	9	<0.1	0.7	0.3	44	0.07	0.029	
109406	Soil	0.8	8.4	10.7	43	<0.1	11.7	5.0	177	2.21	8.0	2.6	<0.5	7.0	7	<0.1	0.4	0.4	31	0.08	0.031	
109407	Soil	1.3	21.2	14.8	74	0.1	20.0	12.4	519	3.10	11.7	4.6	1.6	11.7	10	0.1	0.7	0.3	62	0.07	0.028	
109408	Soil	1.0	22.6	12.9	55	<0.1	19.3	9.2	368	2.83	11.8	2.3	3.0	8.7	11	<0.1	0.7	0.3	48	0.08	0.022	
109409	Soil	0.9	11.1	13.6	55	<0.1	12.7	5.7	239	2.45	8.5	3.6	1.1	8.6	6	0.1	0.5	0.7	37	0.06	0.024	
109410	Soil	1.1	15.7	11.1	52	<0.1	17.6	7.6	315	2.39	8.8	3.3	1.7	11.0	12	<0.1	0.6	0.6	38	0.11	0.022	
109411	Soil	0.9	7.4	12.7	39	<0.1	10.3	4.9	167	2.08	17.7	5.5	2.5	12.3	9	<0.1	0.5	1.4	25	0.07	0.024	
109412	Soil	1.2	14.0	14.2	52	<0.1	16.5	7.8	299	2.89	12.6	2.0	1.5	5.3	8	<0.1	0.8	0.6	43	0.09	0.047	
109413	Soil	0.9	11.4	11.3	54	<0.1	16.9	8.3	294	2.63	12.6	1.7	<0.5	3.4	7	<0.1	0.7	0.4	42	0.06	0.043	
109414	Soil	0.9	13.8	12.8	56	<0.1	14.8	6.9	256	2.76	7.8	2.4	1.6	6.1	8	<0.1	0.5	0.5	56	0.08	0.029	
109415	Soil	1.0	12.6	11.6	52	<0.1	17.0	8.1	243	2.69	11.8	1.4	<0.5	7.0	9	<0.1	0.8	0.4	46	0.06	0.023	
109416	Soil	0.8	15.2	11.8	57	<0.1	15.8	7.4	273	2.63	9.1	3.0	<0.5	14.4	9	0.1	0.6	0.3	40	0.11	0.049	
109417	Soil	0.8	9.5	20.1	83	<0.1	15.7	8.3	415	3.67	8.0	7.6	2.4	27.0	8	<0.1	0.4	0.4	45	0.14	0.091	
109418	Soil	0.3	11.0	16.5	61	<0.1	5.8	4.6	96	2.90	4.0	10.2	1.7	30.0	5	<0.1	0.2	0.3	15	0.14	0.067	
109419	Soil	0.6	18.7	10.3	58	<0.1	17.1	7.2	218	2.59	8.7	2.9	4.2	16.6	7	<0.1	0.6	0.2	37	0.09	0.038	
109420	Soil	0.4	3.9	8.5	55	<0.1	6.5	4.3	182	2.52	3.2	6.5	2.5	21.6	5	<0.1	0.1	0.3	22	0.11	0.061	
109421	Soil	0.6	11.4	17.4	82	<0.1	11.9	8.2	491	4.06	4.6	2.1	1.5	38.4	16	<0.1	0.2	0.4	37	0.27	0.123	
109422	Soil	0.9	10.1	11.1	52	<0.1	14.9	7.1	211	2.54	8.3	0.7	3.5	6.7	9	0.1	0.4	0.2	47	0.09	0.038	
109423	Soil	0.8	27.7	10.0	52	<0.1	19.3	6.8	254	2.34	10.5	1.4	4.4	7.4	18	<0.1	0.7	0.3	39	0.25	0.059	
109424	Soil	0.8	10.0	10.8	42	<0.1	8.3	7.9	274	1.93	5.3	6.5	5.5	15.6	6	<0.1	0.3	1.2	19	0.17	0.077	
109425	Soil	1.0	13.3	11.4	49	<0.1	18.6	6.9	179	2.60	11.4	1.9	4.8	8.0	9	<0.1	0.5	0.6	41	0.10	0.056	
109426	Soil	1.2	13.3	23.1	57	<0.1	11.8	8.8	390	2.43	11.8	6.1	2.6	18.3	6	<0.1	0.4	2.2	22	0.15	0.076	
109427	Soil	1.2	12.1	17.0	47	<0.1	11.1	3.7	133	2.38	12.7	5.7	4.7	13.1	7	<0.1	0.4	1.0	27	0.09	0.047	
109428	Soil	1.0	12.0	17.7	75	<0.1	17.6	7.4	246	3.15	8.1	1.4	1.1	20.0	8	<0.1	0.5	0.3	45	0.12	0.072	
109429	Soil	0.7	14.2	11.7	49	<0.1	17.1	6.1	207	2.36	7.9	2.0	6.5	10.9	10	<0.1	0.5	0.4	37	0.09	0.024	
102177	Soil	1.3	19.6	12.8	60	<0.1	22.2	9.5	268	2.97	11.1	0.9	5.4	7.1	10	0.1	0.7	0.2	53	0.10	0.038	
102178	Soil	0.7	12.4	30.3	84	<0.1	9.6	9.0	362	3.47	3.5	3.0	1.2	37.0	8	0.1	0.3	0.5	38	0.18	0.085	
102179	Soil	0.9	17.7	10.9	52	<0.1	17.3	6.6	219	2.38	6.9	1.4	2.9	7.4	15	<0.1	0.4	0.3	44	0.19	0.052	

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.



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Project: Burnham
Report Date: August 02, 2011

Page: 5 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
109403	Soil	26	20	0.27	98	0.014	<1	1.56	0.006	0.08	0.2	0.03	1.2	0.2	<0.05	9	<0.5	<0.2
109404	Soil	33	22	0.43	120	0.024	<1	2.02	0.006	0.12	0.2	0.02	2.3	0.4	<0.05	7	<0.5	<0.2
109405	Soil	18	26	0.49	144	0.037	<1	1.82	0.006	0.07	0.2	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
109406	Soil	15	17	0.31	97	0.027	<1	1.36	0.005	0.08	0.2	0.02	1.7	0.3	<0.05	5	<0.5	<0.2
109407	Soil	39	34	0.47	218	0.042	<1	2.39	0.007	0.05	0.2	0.05	3.7	0.3	<0.05	7	<0.5	<0.2
109408	Soil	27	31	0.51	178	0.052	<1	1.88	0.009	0.05	0.2	0.06	4.7	0.2	<0.05	5	<0.5	<0.2
109409	Soil	14	21	0.34	122	0.020	<1	1.74	0.005	0.06	0.3	0.02	1.8	0.3	<0.05	5	<0.5	<0.2
109410	Soil	27	23	0.43	200	0.048	<1	1.53	0.007	0.08	0.2	0.02	3.4	0.2	<0.05	5	<0.5	<0.2
109411	Soil	21	15	0.27	109	0.012	<1	1.33	0.006	0.08	0.2	0.01	1.4	0.4	<0.05	4	<0.5	<0.2
109412	Soil	14	27	0.45	138	0.028	<1	2.03	0.006	0.06	0.2	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
109413	Soil	10	22	0.39	129	0.024	<1	1.78	0.005	0.07	0.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
109414	Soil	13	29	0.39	186	0.042	<1	2.09	0.007	0.07	0.2	0.02	2.7	0.3	<0.05	7	<0.5	<0.2
109415	Soil	14	27	0.47	152	0.046	<1	1.78	0.007	0.06	0.2	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
109416	Soil	32	24	0.42	114	0.049	<1	1.72	0.006	0.10	0.2	0.03	3.0	0.2	<0.05	6	<0.5	<0.2
109417	Soil	53	26	0.51	117	0.037	<1	2.13	0.007	0.14	0.1	0.02	3.2	0.1	<0.05	12	<0.5	<0.2
109418	Soil	64	10	0.14	98	0.006	<1	1.63	0.005	0.09	0.1	0.01	2.1	0.3	<0.05	4	<0.5	<0.2
109419	Soil	23	23	0.36	97	0.081	1	1.65	0.005	0.20	0.2	0.01	2.6	0.4	<0.05	5	<0.5	<0.2
109420	Soil	30	11	0.21	89	0.057	<1	1.71	0.005	0.34	0.2	<0.01	2.2	0.5	<0.05	7	<0.5	<0.2
109421	Soil	26	19	0.44	135	0.100	<1	2.56	0.007	0.60	0.3	<0.01	3.3	0.9	<0.05	12	<0.5	<0.2
109422	Soil	13	26	0.34	134	0.035	<1	1.56	0.005	0.08	0.3	0.01	2.1	0.1	<0.05	5	<0.5	<0.2
109423	Soil	19	24	0.36	226	0.043	<1	1.10	0.021	0.05	0.3	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
109424	Soil	15	12	0.15	83	0.015	<1	0.98	0.004	0.08	0.3	<0.01	1.3	0.1	<0.05	3	<0.5	<0.2
109425	Soil	12	22	0.32	143	0.038	<1	1.66	0.005	0.13	0.2	0.01	2.1	0.3	<0.05	5	<0.5	<0.2
109426	Soil	22	14	0.18	70	0.011	<1	1.16	0.004	0.08	0.1	<0.01	1.7	0.2	<0.05	3	<0.5	<0.2
109427	Soil	18	15	0.20	102	0.013	<1	1.21	0.004	0.07	0.2	<0.01	1.7	0.2	<0.05	4	<0.5	<0.2
109428	Soil	20	24	0.37	108	0.036	<1	2.07	0.005	0.17	0.1	0.01	2.7	0.2	<0.05	7	<0.5	<0.2
109429	Soil	17	23	0.33	152	0.029	<1	1.36	0.005	0.06	0.2	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
102177	Soil	14	33	0.41	197	0.049	<1	2.25	0.006	0.05	0.2	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
102178	Soil	90	19	0.34	98	0.010	<1	2.38	0.006	0.13	1.0	0.01	2.3	0.1	<0.05	9	<0.5	<0.2
102179	Soil	24	25	0.40	176	0.054	<1	1.44	0.007	0.06	0.4	0.03	2.9	0.1	<0.05	5	<0.5	<0.2



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 Report Date: August 02, 2011

Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
102180	Soil	0.7	20.4	9.8	54	<0.1	18.5	7.2	229	2.29	7.1	1.5	4.2	4.7	17	<0.1	0.5	0.2	45	0.22	0.062
102181	Soil	1.1	34.4	11.8	65	<0.1	24.2	10.3	459	2.94	9.4	1.7	4.3	13.7	17	<0.1	0.7	0.3	54	0.19	0.057
102182	Soil	1.0	18.7	22.4	63	<0.1	16.9	8.4	299	2.95	8.5	2.2	2.7	26.9	14	<0.1	0.5	0.3	37	0.17	0.043
102183	Soil	0.9	29.3	11.6	66	<0.1	22.6	11.3	429	3.02	8.1	1.4	2.6	13.9	19	0.2	0.6	0.2	49	0.18	0.028
102184	Soil	0.8	25.2	10.0	62	<0.1	22.7	9.5	299	2.77	8.7	1.1	3.7	14.7	15	0.1	0.6	0.2	50	0.17	0.043
102185	Soil	0.8	15.9	18.2	79	<0.1	11.0	7.0	201	3.76	5.0	2.2	1.9	44.8	10	<0.1	0.3	0.3	26	0.16	0.057
102186	Soil	0.4	6.9	12.3	40	<0.1	7.9	6.8	184	3.63	1.8	1.3	2.0	25.9	5	<0.1	0.1	0.2	21	0.12	0.061
102187	Soil	0.9	18.0	10.7	62	<0.1	20.1	10.6	276	2.94	9.1	1.4	2.3	17.2	11	<0.1	0.5	0.2	49	0.11	0.033
102188	Soil	1.4	26.9	12.2	79	0.1	25.2	10.9	518	2.91	9.8	1.3	3.6	12.0	27	0.3	0.8	0.3	50	0.45	0.068
102189	Soil	1.1	12.0	7.6	55	<0.1	13.2	6.6	248	1.73	4.3	3.0	12.4	6.8	19	0.2	0.3	0.4	28	0.43	0.117
102190	Soil	0.5	9.7	16.9	67	<0.1	14.0	7.8	232	3.55	2.3	4.4	1.8	28.6	9	<0.1	0.2	0.4	41	0.14	0.063
102191	Soil	0.7	10.1	17.0	73	<0.1	13.4	8.0	254	3.84	2.7	4.4	<0.5	30.2	9	<0.1	0.2	0.4	41	0.14	0.058
102192	Soil	1.2	11.6	15.3	66	<0.1	11.3	6.4	316	3.68	3.5	4.0	2.6	20.7	7	0.1	0.2	0.6	30	0.09	0.063
102193	Soil	0.9	21.3	11.1	72	<0.1	15.4	6.6	344	3.23	5.3	5.8	4.8	27.8	15	0.1	0.4	0.6	29	0.25	0.082
102194	Soil	1.0	19.8	12.1	56	<0.1	14.4	7.4	262	2.79	9.0	4.1	4.6	11.7	13	<0.1	0.6	0.3	38	0.14	0.051
102195	Soil	0.9	18.2	11.6	62	<0.1	19.0	9.0	321	2.83	10.6	3.2	4.0	16.4	9	0.1	0.5	0.2	45	0.09	0.034
102196	Soil	0.5	16.0	12.6	79	<0.1	15.1	9.6	424	3.75	5.9	2.6	2.3	33.9	10	<0.1	0.3	0.2	41	0.19	0.083
102197	Soil	0.6	15.7	17.9	89	<0.1	8.9	4.4	216	4.12	8.7	6.4	1.7	35.7	20	<0.1	0.2	0.4	14	0.27	0.088
102198	Soil	0.8	12.5	13.8	65	<0.1	15.5	7.1	257	2.91	9.2	1.6	3.6	17.0	9	0.1	0.6	0.4	38	0.10	0.031
102199	Soil	0.6	5.9	17.6	71	<0.1	5.6	4.1	365	3.12	2.9	2.3	0.6	30.5	5	<0.1	0.2	0.4	23	0.14	0.069
102200	Soil	0.6	15.6	18.3	40	<0.1	8.5	3.8	193	1.67	4.0	5.6	1.3	11.1	14	<0.1	0.3	2.0	15	0.15	0.028
102201	Soil	1.2	11.7	11.6	68	<0.1	12.7	7.7	291	3.64	18.2	3.0	1.7	11.3	5	<0.1	0.5	1.2	36	0.07	0.043
102202	Soil	1.0	22.1	10.6	67	<0.1	21.2	9.6	276	3.05	10.4	2.2	2.8	16.2	10	<0.1	0.5	0.3	43	0.10	0.032
102203	Soil	0.8	19.3	9.9	58	<0.1	19.2	11.4	282	3.88	7.8	1.7	2.4	20.0	7	<0.1	0.4	0.2	49	0.09	0.037
102204	Soil	1.1	18.3	10.9	66	<0.1	19.4	9.8	383	3.44	10.2	1.4	1.1	16.4	6	<0.1	0.4	0.2	46	0.08	0.051
102205	Soil	1.0	23.3	10.8	57	<0.1	18.2	10.8	384	3.39	8.9	2.0	2.6	21.0	10	<0.1	0.4	0.2	48	0.11	0.032
102206	Soil	1.0	22.2	10.9	103	<0.1	17.6	13.2	603	5.28	6.2	3.9	<0.5	44.9	8	<0.1	0.2	0.4	55	0.27	0.123
102207	Soil	1.0	21.3	8.3	69	<0.1	23.9	11.1	434	3.50	12.5	1.5	1.6	19.4	9	0.1	0.5	0.2	53	0.11	0.055
102208	Soil	0.9	19.7	10.2	63	<0.1	18.8	10.9	293	3.57	8.7	1.5	1.4	15.2	8	<0.1	0.4	0.3	45	0.08	0.030
102209	Soil	0.8	18.2	11.0	69	<0.1	15.7	8.7	366	3.62	5.5	2.0	1.3	26.8	9	<0.1	0.3	0.3	45	0.09	0.029

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Page: 6 of 12 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
102180	Soil	19	25	0.40	243	0.047	<1	1.32	0.007	0.05	0.3	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
102181	Soil	37	33	0.43	309	0.060	<1	1.88	0.009	0.07	0.2	0.06	5.3	0.2	<0.05	6	<0.5	<0.2
102182	Soil	73	22	0.37	194	0.034	<1	1.65	0.005	0.09	0.2	0.05	5.4	0.1	<0.05	5	<0.5	<0.2
102183	Soil	44	28	0.43	256	0.052	<1	1.62	0.007	0.07	0.2	0.06	4.6	0.1	<0.05	5	<0.5	<0.2
102184	Soil	31	28	0.45	241	0.090	1	1.67	0.008	0.14	0.3	0.03	5.4	0.2	<0.05	6	<0.5	<0.2
102185	Soil	57	15	0.29	158	0.021	<1	2.05	0.006	0.15	0.2	<0.01	3.2	0.2	<0.05	7	<0.5	<0.2
102186	Soil	22	10	0.42	74	0.011	<1	2.31	0.003	0.16	<0.1	<0.01	1.6	0.1	<0.05	11	<0.5	<0.2
102187	Soil	33	28	0.41	184	0.083	<1	2.04	0.007	0.13	0.3	0.03	4.4	0.2	<0.05	6	<0.5	<0.2
102188	Soil	28	28	0.47	387	0.065	<1	1.57	0.015	0.07	0.3	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
102189	Soil	26	16	0.29	180	0.053	<1	1.09	0.010	0.09	0.7	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
102190	Soil	76	20	0.42	128	0.036	<1	2.68	0.005	0.16	0.2	0.02	3.5	0.3	<0.05	9	<0.5	<0.2
102191	Soil	74	21	0.43	135	0.038	<1	2.65	0.006	0.17	0.3	<0.01	3.7	0.3	<0.05	10	<0.5	<0.2
102192	Soil	25	16	0.23	75	0.011	<1	1.67	0.005	0.12	0.3	0.02	2.6	0.3	<0.05	6	<0.5	<0.2
102193	Soil	48	16	0.30	234	0.062	<1	1.45	0.009	0.18	0.3	<0.01	4.1	0.4	<0.05	6	<0.5	<0.2
102194	Soil	32	20	0.34	170	0.039	<1	1.36	0.006	0.08	0.2	0.05	3.5	0.2	<0.05	5	<0.5	<0.2
102195	Soil	28	25	0.40	111	0.048	<1	1.75	0.005	0.08	0.1	0.05	2.8	0.2	<0.05	4	<0.5	<0.2
102196	Soil	28	24	0.48	181	0.185	<1	2.60	0.009	0.55	0.2	0.01	4.0	1.1	<0.05	10	<0.5	<0.2
102197	Soil	69	8	0.25	155	0.004	<1	1.68	0.005	0.06	<0.1	0.01	3.2	0.1	<0.05	4	<0.5	<0.2
102198	Soil	27	23	0.38	128	0.039	<1	2.08	0.004	0.13	0.2	0.02	2.6	0.3	<0.05	6	<0.5	<0.2
102199	Soil	13	12	0.27	76	0.006	<1	2.49	0.004	0.11	0.1	0.01	1.9	0.3	<0.05	10	<0.5	<0.2
102200	Soil	34	8	0.17	143	0.008	<1	0.80	0.005	0.05	<0.1	0.03	2.3	<0.1	<0.05	2	<0.5	<0.2
102201	Soil	13	19	0.26	107	0.023	1	1.57	0.004	0.15	0.2	0.02	2.8	0.4	<0.05	5	<0.5	<0.2
102202	Soil	18	26	0.44	224	0.057	<1	1.88	0.008	0.15	0.2	0.01	3.9	0.3	<0.05	6	<0.5	<0.2
102203	Soil	14	27	0.57	153	0.094	<1	2.53	0.008	0.33	0.2	0.02	3.9	0.4	<0.05	8	<0.5	<0.2
102204	Soil	15	27	0.46	120	0.061	<1	2.27	0.006	0.20	0.2	0.02	3.0	0.3	<0.05	7	<0.5	<0.2
102205	Soil	37	30	0.44	174	0.045	<1	2.19	0.007	0.13	0.2	0.03	3.8	0.3	<0.05	7	0.6	<0.2
102206	Soil	33	27	0.72	169	0.267	<1	3.13	0.008	1.01	0.3	<0.01	6.3	1.2	<0.05	14	<0.5	<0.2
102207	Soil	13	32	0.59	190	0.135	1	2.39	0.007	0.30	0.2	0.02	4.1	0.3	<0.05	8	<0.5	<0.2
102208	Soil	12	28	0.48	202	0.111	1	2.46	0.006	0.41	0.2	<0.01	4.6	0.5	<0.05	8	<0.5	<0.2
102209	Soil	71	25	0.50	177	0.112	<1	2.28	0.006	0.27	0.2	0.02	4.9	0.4	<0.05	11	0.7	<0.2

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Project: Burnham
 Report Date: August 02, 2011

Page: 7 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
102210	Soil	0.6	13.5	18.1	88	<0.1	18.2	11.1	515	4.78	7.7	0.8	<0.5	19.7	4	<0.1	0.3	0.3	50	0.10	0.053
102211	Soil	1.2	18.1	11.9	94	<0.1	17.3	13.1	575	5.34	7.2	1.7	<0.5	27.5	8	0.2	0.3	0.2	65	0.28	0.141
102212	Soil	0.3	7.0	16.0	54	<0.1	9.0	4.9	230	2.79	2.4	1.2	0.5	23.1	13	<0.1	0.1	0.2	19	0.20	0.040
102213	Soil	0.8	19.1	9.6	83	<0.1	19.9	11.1	447	4.99	6.7	2.0	<0.5	26.0	8	<0.1	0.3	0.2	56	0.18	0.081
102214	Soil	0.9	19.8	9.4	68	<0.1	17.4	9.8	338	3.60	8.7	1.2	1.2	13.4	11	<0.1	0.4	0.3	51	0.12	0.035
122102	Soil	0.9	15.2	7.4	78	<0.1	19.2	9.9	390	4.10	10.0	2.7	1.6	25.4	10	<0.1	0.3	0.2	54	0.21	0.115
122103	Soil	0.9	12.1	10.3	91	<0.1	16.0	9.0	370	4.54	7.6	5.0	<0.5	32.0	7	<0.1	0.2	0.2	46	0.25	0.144
122104	Soil	1.2	14.0	13.3	52	<0.1	10.7	5.5	231	2.65	6.5	5.7	1.7	25.4	4	<0.1	0.3	0.3	25	0.11	0.070
122105	Soil	1.0	16.0	12.9	75	<0.1	17.5	8.1	432	3.40	9.8	3.2	0.9	24.6	8	0.1	0.5	0.2	43	0.14	0.111
122106	Soil	0.9	16.6	16.2	65	<0.1	8.8	7.9	280	3.16	6.5	7.2	1.6	36.2	5	<0.1	0.2	0.2	20	0.10	0.079
122107	Soil	0.7	17.4	13.0	63	<0.1	10.3	6.7	366	2.88	6.1	3.4	1.1	26.1	6	<0.1	0.3	0.2	34	0.07	0.050
122108	Soil	0.5	18.2	10.8	76	<0.1	12.8	7.1	329	3.66	4.6	3.2	1.2	39.9	8	<0.1	0.3	0.2	45	0.08	0.042
122109	Soil	0.5	14.0	9.6	73	<0.1	11.2	6.5	374	3.24	5.3	4.6	<0.5	28.7	6	<0.1	0.2	0.2	38	0.19	0.132
122110	Soil	0.5	13.3	9.4	57	<0.1	11.5	6.8	249	2.81	5.5	4.6	<0.5	25.7	4	<0.1	0.2	0.2	33	0.06	0.041
122111	Soil	0.7	18.1	12.7	77	<0.1	11.2	7.8	594	3.79	6.4	4.3	<0.5	32.9	4	<0.1	0.3	0.2	38	0.08	0.066
122112	Soil	0.4	20.9	10.4	76	<0.1	8.7	5.3	233	3.35	4.5	4.7	0.5	31.8	6	<0.1	0.2	0.1	32	0.08	0.044
122113	Soil	0.8	10.1	13.8	60	<0.1	7.4	6.1	295	2.73	5.6	4.3	<0.5	29.0	3	<0.1	0.2	0.2	19	0.05	0.053
122114	Soil	0.8	26.7	14.6	63	<0.1	14.5	9.5	459	3.11	6.8	4.5	2.7	24.7	9	<0.1	0.4	0.2	38	0.08	0.040
122115	Soil	0.8	17.6	15.2	91	<0.1	9.9	7.8	484	3.68	5.8	3.7	<0.5	32.3	4	<0.1	0.2	0.3	34	0.09	0.097
122116	Soil	0.8	9.8	14.9	76	<0.1	12.7	8.6	368	3.48	5.8	3.1	0.5	21.0	6	<0.1	0.2	0.2	40	0.07	0.032
122117	Soil	0.8	18.2	12.8	74	<0.1	16.6	9.2	483	3.35	6.1	3.0	1.8	21.2	10	<0.1	0.4	0.2	44	0.12	0.035
122118	Soil	0.9	11.3	13.5	81	<0.1	14.2	8.3	379	3.66	5.6	2.1	1.0	20.4	4	<0.1	0.3	0.2	45	0.08	0.051
122119	Soil	1.0	8.1	10.0	55	<0.1	11.8	6.6	378	3.04	6.7	1.0	0.8	7.8	7	<0.1	0.3	0.2	57	0.09	0.055
122120	Soil	1.0	18.5	10.2	65	<0.1	16.9	7.9	295	3.07	8.5	1.7	1.9	18.1	6	<0.1	0.5	0.2	46	0.08	0.033
122121	Soil	0.8	16.1	8.5	51	<0.1	19.8	8.0	224	2.41	11.5	0.8	4.1	8.9	8	<0.1	0.5	0.2	44	0.09	0.027
122122	Soil	1.0	12.8	11.1	65	<0.1	15.5	8.6	341	3.66	9.7	1.1	1.3	13.4	7	<0.1	0.5	0.3	52	0.08	0.033
122123	Soil	0.7	20.3	9.2	53	<0.1	23.2	8.6	262	2.50	9.8	0.9	2.0	6.9	11	0.1	0.6	0.3	40	0.15	0.051
122124	Soil	0.6	20.0	9.3	54	<0.1	23.2	9.0	411	2.22	11.3	1.4	6.2	9.7	14	<0.1	0.6	0.2	35	0.20	0.079
122125	Soil	0.9	17.9	12.1	48	<0.1	16.1	8.3	318	2.62	10.1	1.6	0.7	7.6	8	<0.1	0.4	0.3	49	0.08	0.035
122126	Soil	1.3	14.4	13.0	55	<0.1	12.0	6.4	476	2.84	6.9	3.3	5.7	2.1	9	0.1	0.3	1.7	42	0.11	0.052

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Project: Burnham
 Report Date: August 02, 2011

Page: 7 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
102210	Soil	9	28	0.65	162	0.073	<1	3.22	0.007	0.23	0.2	<0.01	3.8	0.4	<0.05	13	<0.5	<0.2
102211	Soil	13	33	0.68	173	0.276	<1	3.48	0.012	0.82	0.4	<0.01	5.6	1.1	<0.05	14	<0.5	<0.2
102212	Soil	37	12	0.38	93	0.002	<1	2.22	0.005	0.07	<0.1	<0.01	1.8	0.2	<0.05	8	<0.5	<0.2
102213	Soil	13	32	0.71	227	0.248	<1	3.11	0.008	0.84	0.2	<0.01	6.6	1.1	<0.05	13	<0.5	<0.2
102214	Soil	15	29	0.55	214	0.134	<1	2.43	0.006	0.41	0.2	<0.01	4.1	0.6	<0.05	9	<0.5	<0.2
122102	Soil	15	27	0.58	151	0.215	1	2.77	0.008	0.69	0.3	0.02	4.5	0.9	<0.05	11	<0.5	<0.2
122103	Soil	26	23	0.46	125	0.093	1	2.53	0.009	0.42	0.2	<0.01	3.5	0.5	<0.05	12	<0.5	<0.2
122104	Soil	66	17	0.20	66	0.015	<1	1.06	0.004	0.07	0.1	<0.01	2.8	0.1	<0.05	3	<0.5	<0.2
122105	Soil	31	26	0.40	135	0.028	<1	2.18	0.005	0.17	0.2	0.03	2.4	0.2	<0.05	8	<0.5	<0.2
122106	Soil	67	12	0.12	88	0.005	<1	1.17	0.004	0.07	0.4	<0.01	2.8	0.2	<0.05	3	<0.5	<0.2
122107	Soil	59	20	0.31	107	0.029	<1	1.48	0.007	0.10	0.6	0.01	4.2	0.1	<0.05	6	<0.5	<0.2
122108	Soil	79	23	0.48	115	0.125	<1	2.49	0.009	0.53	0.4	0.01	6.5	0.8	<0.05	11	<0.5	<0.2
122109	Soil	54	20	0.36	110	0.104	<1	2.26	0.008	0.45	0.3	0.01	3.7	0.6	<0.05	9	<0.5	<0.2
122110	Soil	48	16	0.33	121	0.088	<1	2.32	0.007	0.43	1.2	<0.01	4.2	0.7	<0.05	8	<0.5	<0.2
122111	Soil	83	20	0.34	95	0.034	<1	2.34	0.006	0.25	1.0	<0.01	3.9	0.3	<0.05	9	<0.5	<0.2
122112	Soil	103	17	0.34	88	0.031	<1	1.94	0.006	0.22	0.5	0.01	4.4	0.3	<0.05	9	<0.5	<0.2
122113	Soil	54	11	0.10	65	0.002	<1	1.33	0.005	0.06	0.1	<0.01	2.0	0.2	<0.05	3	<0.5	<0.2
122114	Soil	62	20	0.37	117	0.045	<1	1.60	0.008	0.16	0.3	0.03	4.7	0.3	<0.05	7	<0.5	<0.2
122115	Soil	97	19	0.32	96	0.007	<1	2.19	0.005	0.11	0.1	0.01	2.8	0.2	<0.05	9	<0.5	<0.2
122116	Soil	23	21	0.42	120	0.053	<1	1.93	0.005	0.24	0.1	0.01	3.9	0.5	<0.05	8	<0.5	<0.2
122117	Soil	35	24	0.48	170	0.077	<1	1.80	0.007	0.23	0.2	0.02	5.9	0.4	<0.05	8	<0.5	<0.2
122118	Soil	13	22	0.42	108	0.058	<1	2.11	0.005	0.31	0.2	<0.01	4.4	0.5	<0.05	8	<0.5	<0.2
122119	Soil	14	22	0.34	101	0.060	<1	1.58	0.006	0.16	0.2	<0.01	3.0	0.3	<0.05	8	<0.5	<0.2
122120	Soil	26	25	0.43	130	0.073	<1	1.91	0.006	0.18	0.2	0.01	3.8	0.4	<0.05	7	0.5	<0.2
122121	Soil	15	26	0.41	170	0.042	1	1.67	0.007	0.06	0.2	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
122122	Soil	10	27	0.48	133	0.091	<1	2.15	0.005	0.21	0.2	0.03	4.0	0.4	<0.05	9	<0.5	<0.2
122123	Soil	15	24	0.40	146	0.044	1	1.53	0.005	0.07	0.3	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
122124	Soil	22	21	0.39	109	0.038	1	1.20	0.006	0.07	0.2	0.01	2.5	0.1	<0.05	3	0.6	<0.2
122125	Soil	19	26	0.34	150	0.030	1	1.60	0.007	0.05	0.2	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
122126	Soil	29	18	0.30	89	0.030	<1	1.39	0.005	0.17	0.2	0.02	1.5	0.3	<0.05	7	<0.5	<0.2

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Page: 8 of 12 Part 1

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
122127	Soil	1.1	14.0	9.7	55	<0.1	17.1	7.2	263	2.79	10.9	1.1	<0.5	5.9	7	<0.1	0.6	1.2	44	0.07	0.035
122128	Soil	1.2	9.7	11.9	82	<0.1	12.5	6.1	251	3.31	9.2	2.4	<0.5	13.4	6	<0.1	0.5	0.3	49	0.06	0.049
122129	Soil	0.9	13.0	9.4	53	<0.1	16.9	6.9	202	2.50	11.0	1.0	1.3	6.3	7	<0.1	0.6	0.2	40	0.07	0.027
122130	Soil	0.9	10.1	10.5	42	<0.1	9.6	4.5	309	2.62	8.9	1.2	1.6	1.3	6	<0.1	0.4	0.2	50	0.07	0.059
119536	Soil	1.0	11.4	10.4	53	<0.1	15.8	7.9	207	2.92	10.7	0.9	1.5	7.9	9	<0.1	0.5	0.2	47	0.10	0.032
119537	Soil	1.1	13.2	10.3	54	<0.1	16.2	8.5	286	2.91	8.3	1.4	6.8	21.0	8	<0.1	0.4	0.3	44	0.10	0.034
119538	Soil	1.1	13.0	9.9	54	<0.1	14.3	7.1	198	2.60	5.7	2.1	<0.5	12.6	10	<0.1	0.3	0.3	41	0.15	0.050
119539	Soil	1.2	9.7	8.4	51	<0.1	14.4	7.5	251	2.37	6.9	1.1	1.3	7.8	11	<0.1	0.4	0.3	40	0.18	0.053
119540	Soil	0.9	11.2	7.2	49	<0.1	15.2	8.1	258	2.21	6.6	1.2	6.0	10.2	13	<0.1	0.4	0.2	35	0.21	0.068
119541	Soil	0.9	16.1	8.7	52	<0.1	15.6	7.5	206	2.41	6.8	1.4	0.7	8.9	12	0.1	0.3	0.2	41	0.17	0.047
119542	Soil	0.9	9.7	10.3	47	<0.1	11.8	5.8	178	2.67	8.3	1.0	<0.5	13.6	7	<0.1	0.4	0.2	50	0.08	0.023
119543	Soil	1.0	8.5	9.5	52	<0.1	13.0	6.0	215	2.71	7.2	1.4	1.7	15.1	9	<0.1	0.3	0.2	43	0.12	0.052
119544	Soil	1.1	13.2	13.8	63	<0.1	15.1	8.6	327	3.62	10.2	1.6	1.3	33.2	8	<0.1	0.4	0.3	56	0.08	0.033
119545	Soil	0.6	7.5	10.4	51	<0.1	7.5	6.1	247	3.13	4.2	2.8	0.9	39.6	7	<0.1	0.2	0.3	41	0.17	0.092
119546	Soil	0.9	7.0	11.5	38	<0.1	10.0	4.4	160	2.41	7.2	0.7	0.7	6.8	7	<0.1	0.3	0.2	50	0.06	0.033
119547	Soil	0.9	13.7	17.9	47	<0.1	10.2	5.3	218	3.29	6.6	2.4	<0.5	23.3	6	<0.1	0.2	0.5	39	0.08	0.076
119548	Soil	0.7	20.1	10.3	49	<0.1	16.2	6.9	222	2.43	7.9	2.6	4.0	14.1	10	<0.1	0.6	0.2	45	0.08	0.019
119549	Soil	0.6	13.2	8.1	47	<0.1	13.3	6.5	189	2.24	4.6	1.6	2.6	18.0	15	<0.1	0.4	0.1	38	0.18	0.049
119550	Soil	0.9	22.9	10.4	57	<0.1	17.8	8.1	219	2.52	7.5	1.3	1.9	14.5	10	<0.1	0.6	0.2	42	0.12	0.027
119551	Soil	0.9	19.0	9.7	51	<0.1	16.8	7.1	272	2.36	7.1	1.6	2.4	13.0	17	<0.1	0.5	0.2	41	0.21	0.039
119552	Soil	1.4	12.5	23.9	68	<0.1	14.1	6.6	356	2.80	12.5	0.8	<0.5	17.9	8	<0.1	0.4	0.3	41	0.13	0.085
119553	Soil	1.4	11.3	11.0	60	<0.1	17.7	7.5	390	2.63	9.8	0.4	1.0	7.5	11	0.1	0.6	0.3	47	0.13	0.044
119554	Soil	1.0	9.0	12.8	48	<0.1	11.1	6.6	237	2.89	6.4	0.9	<0.5	14.5	8	<0.1	0.3	0.2	50	0.07	0.033
119555	Soil	0.5	10.9	11.5	53	<0.1	8.9	6.2	199	2.77	3.9	2.8	<0.5	49.2	8	<0.1	0.3	0.2	24	0.16	0.054
119556	Soil	0.8	13.5	12.8	71	<0.1	15.0	9.6	295	3.89	7.5	1.4	2.4	30.5	7	<0.1	0.3	0.4	53	0.10	0.036
119557	Soil	0.6	17.0	25.5	54	<0.1	9.3	5.9	218	2.89	4.3	2.5	0.8	39.7	5	<0.1	0.3	0.4	26	0.14	0.071
119558	Soil	0.8	9.0	10.2	55	<0.1	14.1	7.6	205	2.49	6.5	0.7	1.3	11.1	8	<0.1	0.4	0.2	49	0.07	0.021
119559	Soil	1.2	11.0	12.9	68	<0.1	16.1	8.5	324	3.36	8.4	0.6	<0.5	8.1	14	<0.1	0.5	0.2	66	0.17	0.086
119560	Soil	0.8	21.8	10.9	52	<0.1	21.7	9.7	238	2.66	9.6	1.0	2.9	12.6	10	<0.1	0.6	0.2	47	0.10	0.019
119561	Soil	0.8	7.0	9.5	44	<0.1	10.6	5.0	116	2.41	6.3	0.4	<0.5	3.7	7	<0.1	0.4	0.2	53	0.09	0.071

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Project: Burnham
 Report Date: August 02, 2011

Page: 8 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
122127	Soil	13	22	0.37	73	0.049	<1	1.31	0.005	0.10	0.3	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
122128	Soil	20	19	0.31	107	0.069	<1	1.75	0.004	0.20	0.2	0.03	2.6	0.5	<0.05	8	0.5	<0.2
122129	Soil	12	21	0.36	85	0.041	<1	1.60	0.004	0.08	0.2	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
122130	Soil	17	19	0.22	79	0.031	<1	1.22	0.005	0.08	0.1	0.03	1.2	0.2	<0.05	6	<0.5	<0.2
119536	Soil	14	26	0.36	130	0.046	<1	1.67	0.006	0.07	0.2	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
119537	Soil	17	23	0.37	146	0.076	<1	1.86	0.006	0.14	0.2	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
119538	Soil	32	21	0.37	170	0.083	<1	1.66	0.007	0.17	0.2	0.01	3.0	0.2	<0.05	7	0.5	<0.2
119539	Soil	16	21	0.33	137	0.060	<1	1.39	0.007	0.08	0.2	0.01	2.2	0.1	<0.05	5	<0.5	<0.2
119540	Soil	16	19	0.32	116	0.062	<1	1.20	0.006	0.11	0.2	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
119541	Soil	22	22	0.37	210	0.069	<1	1.49	0.007	0.10	0.2	0.01	2.9	0.2	<0.05	6	<0.5	<0.2
119542	Soil	15	22	0.32	119	0.079	<1	1.74	0.006	0.14	0.2	<0.01	2.7	0.2	<0.05	7	<0.5	<0.2
119543	Soil	32	21	0.34	112	0.071	<1	1.52	0.006	0.14	0.5	0.01	2.7	0.2	<0.05	7	<0.5	<0.2
119544	Soil	22	29	0.45	140	0.108	<1	2.39	0.006	0.26	0.2	0.02	4.1	0.3	<0.05	9	0.7	<0.2
119545	Soil	71	15	0.32	87	0.088	<1	1.98	0.006	0.42	0.2	0.01	4.1	0.4	<0.05	11	<0.5	<0.2
119546	Soil	15	22	0.26	93	0.044	<1	1.50	0.007	0.06	0.1	0.01	2.1	0.1	<0.05	6	<0.5	<0.2
119547	Soil	62	17	0.29	83	0.017	<1	1.90	0.005	0.12	0.1	<0.01	2.4	0.1	<0.05	9	0.5	<0.2
119548	Soil	36	26	0.36	134	0.060	<1	1.54	0.006	0.08	0.2	0.04	5.1	0.1	<0.05	5	0.6	<0.2
119549	Soil	31	21	0.36	140	0.068	<1	1.44	0.007	0.15	0.2	0.01	2.9	0.2	<0.05	5	0.9	<0.2
119550	Soil	29	24	0.36	180	0.053	<1	1.37	0.007	0.08	0.2	0.05	3.8	0.1	<0.05	5	0.7	<0.2
119551	Soil	28	24	0.36	244	0.066	<1	1.38	0.008	0.10	0.3	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
119552	Soil	16	21	0.31	131	0.018	<1	1.64	0.005	0.10	0.2	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
119553	Soil	10	25	0.36	155	0.040	<1	1.49	0.005	0.10	0.2	<0.01	2.1	<0.1	<0.05	5	0.5	<0.2
119554	Soil	15	23	0.33	133	0.026	<1	1.93	0.005	0.05	0.1	<0.01	2.8	<0.1	<0.05	8	<0.5	<0.2
119555	Soil	282	15	0.38	117	0.036	<1	1.83	0.005	0.17	<0.1	<0.01	3.8	0.2	<0.05	9	1.0	<0.2
119556	Soil	23	25	0.49	186	0.158	<1	2.65	0.007	0.37	0.3	0.01	4.9	0.6	<0.05	13	<0.5	<0.2
119557	Soil	36	15	0.25	100	0.004	<1	1.85	0.004	0.07	0.1	<0.01	3.7	0.1	<0.05	11	0.7	<0.2
119558	Soil	12	26	0.36	161	0.066	2	1.81	0.007	0.10	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
119559	Soil	10	27	0.36	187	0.057	<1	2.15	0.005	0.15	0.2	0.01	2.6	0.2	<0.05	9	0.6	<0.2
119560	Soil	16	30	0.44	191	0.058	<1	1.93	0.007	0.08	0.1	0.01	3.3	0.1	<0.05	5	0.6	<0.2
119561	Soil	10	19	0.22	114	0.036	<1	1.32	0.004	0.07	0.2	<0.01	1.9	0.1	<0.05	6	0.5	<0.2

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Project: Burnham
 Report Date: August 02, 2011

Page: 9 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	Unit	MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
119562	Soil			1.3	42.2	12.5	56	0.1	26.5	11.3	323	3.10	13.6	2.3	3.8	21.0	12	<0.1	1.0	0.3	61	0.09	0.031
119563	Soil			0.8	19.8	11.5	81	<0.1	17.3	9.7	304	3.23	8.2	1.7	1.8	21.9	11	<0.1	0.6	0.3	50	0.11	0.044
119564	Soil			0.7	11.4	16.2	71	<0.1	7.6	6.0	133	3.72	4.3	2.8	0.6	44.0	7	<0.1	0.4	0.4	23	0.13	0.069
119565	Soil			0.9	9.8	8.5	51	<0.1	9.8	5.4	183	2.70	4.6	1.6	<0.5	18.4	9	<0.1	0.3	0.2	41	0.11	0.059
119566	Soil			1.0	10.4	11.7	59	<0.1	12.6	6.5	184	2.89	7.5	1.1	1.9	17.6	9	<0.1	0.5	0.3	49	0.11	0.054
119567	Soil			0.5	8.0	6.2	39	<0.1	8.9	4.6	151	2.02	3.6	1.7	1.4	19.6	15	<0.1	0.2	0.3	35	0.27	0.099
119568	Soil			0.6	14.7	8.5	53	<0.1	11.8	6.1	197	2.14	5.1	2.2	0.8	19.0	19	0.1	0.4	0.3	37	0.28	0.079
119569	Soil			0.8	7.5	9.8	48	<0.1	7.4	5.0	192	3.07	4.1	1.0	0.6	10.4	5	<0.1	0.2	0.2	43	0.08	0.043
119570	Soil			1.2	14.7	18.3	61	<0.1	15.8	7.4	217	3.40	12.4	0.7	<0.5	12.8	8	<0.1	0.6	0.2	51	0.06	0.039
119571	Soil			1.0	19.3	13.5	52	<0.1	17.9	7.9	245	2.63	11.2	1.4	2.2	12.3	8	<0.1	0.7	0.2	44	0.07	0.026
119572	Soil			1.2	5.3	19.8	43	<0.1	5.0	3.1	133	3.09	6.1	2.1	<0.5	8.8	4	<0.1	0.3	0.2	31	0.05	0.049
119573	Soil			1.3	9.2	13.0	45	<0.1	12.4	5.4	164	3.09	11.8	0.5	1.0	4.2	7	<0.1	0.6	0.3	59	0.06	0.060
119574	Soil			0.5	4.6	10.2	17	<0.1	4.9	2.1	62	1.14	3.0	0.5	2.4	4.5	8	<0.1	0.2	0.2	27	0.07	0.013
119575	Soil			0.9	5.7	7.6	23	<0.1	7.0	2.4	77	1.25	4.1	0.7	<0.5	5.3	7	<0.1	0.3	0.2	27	0.07	0.013
119576	Soil			0.7	20.1	9.5	42	<0.1	17.2	7.0	167	2.34	9.2	1.5	5.6	17.5	13	<0.1	0.6	0.2	41	0.14	0.036
119577	Soil			1.2	15.0	14.6	49	<0.1	17.2	6.5	194	2.87	9.4	1.3	4.5	25.9	10	<0.1	0.6	0.3	51	0.10	0.032
119578	Soil			1.2	9.1	45.3	66	<0.1	6.9	3.0	99	2.92	5.2	1.6	<0.5	10.5	6	0.1	0.3	0.3	30	0.07	0.055
119579	Soil			1.2	5.6	8.4	33	<0.1	5.7	3.0	140	2.22	4.1	1.5	<0.5	9.0	8	<0.1	0.2	0.2	29	0.11	0.070
119580	Soil			1.2	17.0	12.4	48	<0.1	21.0	8.5	173	2.74	12.1	0.9	1.0	10.4	10	0.1	0.6	0.2	54	0.09	0.037
119581	Soil			1.2	11.9	11.4	47	<0.1	17.5	7.1	154	2.81	10.5	0.7	2.7	7.9	9	<0.1	0.5	0.2	54	0.09	0.038
119582	Soil			1.0	15.0	11.0	52	<0.1	19.9	8.0	203	2.54	11.2	0.6	1.1	7.4	11	<0.1	0.6	0.2	48	0.10	0.028
119583	Soil			0.4	3.4	6.0	22	<0.1	6.7	3.6	98	1.25	2.6	0.9	<0.5	15.6	10	<0.1	0.1	0.1	22	0.27	0.158
119584	Soil			0.9	18.1	11.1	50	<0.1	19.5	6.9	186	2.42	11.3	0.9	5.0	10.7	12	<0.1	0.7	0.2	49	0.10	0.023
119585	Soil			0.9	16.1	11.5	52	<0.1	22.7	7.2	167	2.57	14.7	0.7	0.8	12.1	11	<0.1	0.6	0.2	50	0.10	0.045
119586	Soil			0.9	11.6	10.3	60	<0.1	17.0	7.2	220	3.02	9.4	1.0	2.6	15.7	13	<0.1	0.4	0.2	46	0.14	0.058
119587	Soil			0.7	7.0	9.8	45	<0.1	14.3	7.2	168	2.29	4.6	0.5	<0.5	6.9	10	<0.1	0.4	0.2	44	0.11	0.058
119588	Soil			0.8	10.7	9.7	48	<0.1	16.1	6.9	171	2.42	7.3	0.8	2.0	12.7	11	<0.1	0.4	0.2	42	0.15	0.064
119589	Soil			1.0	21.9	13.1	57	<0.1	20.7	7.2	241	2.72	12.1	1.7	3.5	14.8	14	0.1	0.8	0.2	46	0.11	0.027
119590	Soil			0.9	19.8	12.6	52	<0.1	18.2	7.1	325	2.51	10.4	1.6	11.9	15.5	14	<0.1	0.7	0.2	41	0.13	0.034
119591	Soil			1.6	6.7	12.9	31	<0.1	6.0	3.5	90	1.91	11.3	8.1	2.4	24.3	9	<0.1	1.0	0.3	16	0.29	0.116

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Page: 9 of 12 Part 2

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
119562	Soil	35	39	0.45	287	0.064	1	2.36	0.011	0.06	0.3	0.03	6.9	0.1	<0.05	6	<0.5	<0.2
119563	Soil	36	29	0.47	254	0.055	<1	2.16	0.006	0.11	0.2	0.02	4.9	0.1	<0.05	8	<0.5	<0.2
119564	Soil	83	13	0.26	98	0.027	<1	2.23	0.006	0.21	0.2	0.01	3.2	0.3	<0.05	8	<0.5	<0.2
119565	Soil	34	17	0.34	95	0.118	<1	1.55	0.006	0.26	0.5	0.02	3.2	0.3	<0.05	8	<0.5	<0.2
119566	Soil	24	22	0.37	121	0.098	<1	1.93	0.006	0.16	0.7	0.02	2.9	0.3	<0.05	8	<0.5	<0.2
119567	Soil	44	15	0.34	98	0.103	<1	1.38	0.007	0.22	4.8	0.02	3.4	0.3	<0.05	7	<0.5	<0.2
119568	Soil	52	18	0.35	177	0.114	<1	1.37	0.009	0.24	3.9	0.02	3.8	0.3	<0.05	6	<0.5	<0.2
119569	Soil	12	15	0.30	123	0.107	<1	1.93	0.006	0.34	0.2	0.01	3.3	0.6	<0.05	10	<0.5	<0.2
119570	Soil	13	24	0.41	127	0.034	<1	2.12	0.007	0.10	0.2	<0.01	2.8	0.2	<0.05	7	0.6	<0.2
119571	Soil	18	27	0.33	151	0.038	<1	1.71	0.007	0.05	0.2	0.01	3.6	0.1	<0.05	5	<0.5	<0.2
119572	Soil	7	9	0.10	92	0.006	<1	1.46	0.004	0.04	0.2	0.01	1.6	0.2	<0.05	6	<0.5	<0.2
119573	Soil	11	25	0.31	142	0.042	<1	1.73	0.005	0.05	0.2	0.02	1.9	0.1	<0.05	6	<0.5	<0.2
119574	Soil	16	10	0.15	87	0.034	<1	0.87	0.004	0.04	0.1	0.02	1.1	0.1	<0.05	4	<0.5	<0.2
119575	Soil	26	11	0.18	68	0.028	<1	0.72	0.005	0.04	0.2	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
119576	Soil	48	25	0.39	149	0.044	<1	1.49	0.007	0.04	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
119577	Soil	17	26	0.39	133	0.051	<1	1.69	0.007	0.08	0.2	0.01	2.3	0.2	<0.05	6	<0.5	<0.2
119578	Soil	13	11	0.18	80	0.007	<1	1.70	0.005	0.10	0.4	0.01	1.9	0.3	<0.05	7	<0.5	<0.2
119579	Soil	5	10	0.16	107	0.014	<1	1.57	0.006	0.13	0.9	0.02	2.3	0.3	<0.05	7	<0.5	<0.2
119580	Soil	14	26	0.35	216	0.047	<1	1.98	0.006	0.05	0.4	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
119581	Soil	13	27	0.33	184	0.047	<1	1.93	0.006	0.05	0.2	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
119582	Soil	12	28	0.39	186	0.045	<1	1.80	0.006	0.05	0.2	0.01	2.5	0.1	<0.05	5	<0.5	<0.2
119583	Soil	7	9	0.18	78	0.024	<1	1.17	0.005	0.06	0.4	<0.01	1.7	0.1	<0.05	5	<0.5	<0.2
119584	Soil	21	31	0.41	114	0.064	<1	1.70	0.006	0.07	0.3	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
119585	Soil	15	28	0.42	142	0.047	<1	1.88	0.006	0.08	0.2	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
119586	Soil	12	25	0.42	129	0.099	<1	1.99	0.007	0.29	0.2	0.01	3.1	0.5	<0.05	8	<0.5	<0.2
119587	Soil	9	22	0.33	145	0.039	<1	1.68	0.005	0.07	0.2	<0.01	2.1	0.1	<0.05	6	<0.5	<0.2
119588	Soil	12	23	0.37	145	0.074	<1	1.70	0.008	0.20	0.2	0.02	2.6	0.3	<0.05	7	<0.5	<0.2
119589	Soil	36	31	0.39	157	0.066	<1	1.62	0.007	0.10	0.2	0.02	6.2	<0.1	<0.05	5	<0.5	<0.2
119590	Soil	36	29	0.35	151	0.059	<1	1.41	0.007	0.10	0.4	0.02	5.6	0.1	<0.05	5	<0.5	<0.2
119591	Soil	28	9	0.13	71	0.010	<1	0.77	0.003	0.09	0.3	<0.01	1.3	0.1	<0.05	4	0.6	<0.2

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Project: Burnham
 Report Date: August 02, 2011

Page: 10 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
119592	Soil	1.0	6.6	19.6	72	<0.1	11.4	9.0	484	3.89	4.8	1.7	<0.5	29.5	15	<0.1	0.4	0.3	41	0.33	0.145
119593	Soil	0.9	14.7	13.6	75	<0.1	14.3	8.2	289	3.85	5.1	1.5	1.4	36.1	12	0.1	0.4	0.2	46	0.18	0.061
119594	Soil	0.6	13.9	9.9	98	<0.1	14.4	10.0	396	4.70	2.7	2.6	<0.5	46.8	11	<0.1	0.3	0.2	55	0.28	0.121
119595	Soil	0.8	14.4	11.6	65	<0.1	16.9	8.3	249	3.49	5.2	1.5	2.0	20.7	12	<0.1	0.4	0.2	46	0.14	0.068
119596	Soil	1.0	28.8	8.8	53	<0.1	23.3	8.2	238	2.46	10.3	1.9	2.8	10.8	21	<0.1	0.7	0.2	45	0.24	0.034
119597	Soil	0.8	10.0	9.6	44	<0.1	15.0	6.3	183	2.20	6.0	1.3	3.4	12.1	11	<0.1	0.4	0.3	40	0.16	0.020
119598	Soil	1.2	15.8	10.3	100	<0.1	17.0	10.7	410	5.12	4.8	1.5	3.3	26.1	11	<0.1	0.3	0.5	60	0.25	0.090
119599	Soil	1.2	18.7	14.5	79	<0.1	17.3	8.8	244	4.42	6.4	2.4	5.9	38.5	11	<0.1	0.4	0.3	41	0.17	0.051
119600	Soil	1.1	20.5	10.5	62	<0.1	21.3	9.7	277	3.62	7.6	1.3	5.4	15.6	13	<0.1	0.5	0.2	57	0.17	0.038
119601	Soil	0.7	32.7	12.4	70	<0.1	23.7	11.1	317	3.54	10.1	1.8	3.4	26.7	14	<0.1	0.5	0.3	56	0.19	0.048
119602	Soil	1.0	16.2	12.1	71	<0.1	17.1	10.0	376	3.47	6.0	3.5	3.1	26.9	16	<0.1	0.4	0.4	42	0.23	0.050
119603	Soil	0.8	13.8	11.0	54	<0.1	16.0	8.1	343	2.61	6.7	1.6	2.6	16.3	15	0.1	0.4	0.3	46	0.27	0.080
119604	Soil	0.8	20.4	11.1	66	<0.1	18.3	9.5	309	3.65	7.6	2.3	1.7	29.6	14	<0.1	0.4	0.3	51	0.25	0.068
119605	Soil	1.1	21.1	12.7	60	<0.1	20.6	11.3	357	2.65	8.0	2.1	2.7	18.4	17	<0.1	0.5	0.2	45	0.27	0.070
119606	Soil	1.0	19.1	10.6	61	<0.1	20.6	8.7	277	2.73	9.7	2.1	2.8	15.4	21	<0.1	0.4	0.2	50	0.29	0.063
117508	Soil	0.8	10.8	14.1	60	<0.1	9.8	4.9	215	3.14	7.1	3.5	<0.5	25.0	5	<0.1	0.3	0.3	25	0.14	0.070
117509	Soil	1.1	18.6	10.8	55	<0.1	24.4	8.9	218	2.72	12.7	0.6	1.9	7.8	12	<0.1	0.6	0.2	58	0.11	0.046
117510	Soil	1.1	22.7	12.9	58	<0.1	22.2	9.4	271	3.00	12.0	2.6	2.4	11.3	12	<0.1	0.7	0.2	60	0.10	0.022
117511	Soil	1.7	6.9	15.1	50	<0.1	5.5	3.5	167	2.51	5.0	2.8	<0.5	16.6	5	<0.1	0.1	0.2	9	0.16	0.062
117512	Soil	1.3	16.4	15.3	69	<0.1	17.1	7.8	220	2.86	7.1	3.2	<0.5	24.6	13	<0.1	0.4	0.2	33	0.21	0.067
117513	Soil	0.4	10.9	39.1	53	<0.1	4.0	2.8	136	2.10	6.4	2.3	1.6	53.4	6	<0.1	0.1	0.3	10	0.25	0.105
117514	Soil	1.6	10.7	11.9	58	<0.1	7.9	5.8	184	3.85	2.8	1.8	2.0	19.4	5	<0.1	0.1	1.0	23	0.09	0.039
117515	Soil	2.1	20.9	18.0	73	<0.1	8.0	5.3	230	3.41	3.0	2.6	28.9	24.8	6	<0.1	0.2	5.9	25	0.17	0.095
117516	Soil	2.5	9.2	9.0	52	<0.1	6.9	4.6	209	4.10	4.2	5.9	<0.5	16.2	4	<0.1	0.2	0.4	15	0.10	0.073
117517	Soil	1.7	11.9	10.0	75	<0.1	10.4	5.7	280	3.61	8.1	2.6	<0.5	13.4	6	<0.1	0.3	0.5	31	0.08	0.065
117518	Soil	1.3	7.6	15.0	59	<0.1	5.4	3.9	252	2.50	2.7	3.5	<0.5	8.9	4	<0.1	0.2	0.3	13	0.08	0.044
117519	Soil	1.3	7.9	8.6	51	<0.1	5.7	3.9	178	2.94	2.5	2.6	<0.5	10.4	4	<0.1	0.2	0.9	13	0.05	0.037
117520	Soil	1.6	9.7	11.1	81	<0.1	3.7	3.1	186	2.92	1.8	2.9	<0.5	14.8	3	<0.1	0.1	0.5	9	0.06	0.037
117521	Soil	2.2	10.2	19.5	266	0.3	8.6	3.4	173	3.67	4.7	5.2	<0.5	16.1	5	0.5	0.2	0.6	18	0.21	0.146
117522	Soil	1.3	6.5	9.7	62	<0.1	3.2	1.7	112	2.02	10.2	3.4	<0.5	16.6	3	0.1	0.2	0.5	8	0.12	0.092

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Project: Burnham
 Report Date: August 02, 2011

Page: 10 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
119592	Soil	16	18	0.44	126	0.073	<1	1.90	0.007	0.37	0.3	0.01	3.9	0.4	<0.05	12	<0.5	<0.2
119593	Soil	24	24	0.50	180	0.155	<1	2.16	0.008	0.59	0.2	<0.01	5.1	0.7	<0.05	12	<0.5	<0.2
119594	Soil	46	24	0.58	156	0.265	<1	2.54	0.010	0.85	0.2	<0.01	7.6	0.9	<0.05	17	<0.5	<0.2
119595	Soil	18	22	0.46	179	0.105	<1	1.94	0.008	0.30	0.2	<0.01	4.1	0.4	<0.05	11	<0.5	<0.2
119596	Soil	26	30	0.44	243	0.068	<1	1.34	0.012	0.08	0.2	0.04	5.4	0.1	<0.05	4	<0.5	<0.2
119597	Soil	19	21	0.38	128	0.065	1	1.38	0.007	0.13	0.2	0.02	1.9	0.1	0.23	5	<0.5	<0.2
119598	Soil	14	28	0.60	160	0.319	<1	2.59	0.011	1.08	0.4	<0.01	5.9	1.2	<0.05	15	0.7	<0.2
119599	Soil	29	22	0.45	152	0.065	<1	2.24	0.008	0.34	0.1	<0.01	3.7	0.3	0.40	10	<0.5	<0.2
119600	Soil	20	32	0.48	207	0.107	<1	1.99	0.008	0.26	0.3	0.01	4.2	0.3	<0.05	8	1.1	<0.2
119601	Soil	53	33	0.49	242	0.099	<1	2.06	0.013	0.24	0.3	0.04	4.5	0.2	<0.05	8	<0.5	<0.2
119602	Soil	35	26	0.45	227	0.117	<1	1.88	0.009	0.35	0.5	0.02	4.4	0.4	<0.05	9	0.6	<0.2
119603	Soil	38	22	0.40	149	0.077	<1	1.59	0.008	0.23	0.4	0.03	2.8	0.2	0.29	7	<0.5	<0.2
119604	Soil	67	26	0.51	211	0.114	<1	1.95	0.009	0.28	0.4	0.01	4.1	0.3	<0.05	9	1.0	<0.2
119605	Soil	29	26	0.39	216	0.078	1	1.62	0.010	0.19	0.6	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
119606	Soil	36	31	0.44	263	0.067	2	1.82	0.009	0.12	0.4	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
117508	Soil	22	16	0.22	100	0.027	1	2.09	0.008	0.18	0.3	0.02	2.0	0.3	0.15	8	<0.5	<0.2
117509	Soil	13	31	0.46	163	0.056	2	1.96	0.008	0.08	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
117510	Soil	35	39	0.47	180	0.061	<1	2.04	0.011	0.06	0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
117511	Soil	10	8	0.08	60	0.006	<1	1.28	0.005	0.13	0.3	<0.01	1.2	0.1	<0.05	4	0.9	<0.2
117512	Soil	17	24	0.34	165	0.043	<1	1.78	0.007	0.14	0.2	<0.01	2.3	0.2	0.07	7	<0.5	<0.2
117513	Soil	72	7	0.17	33	0.016	<1	1.35	0.005	0.18	0.2	<0.01	2.7	0.2	<0.05	6	<0.5	<0.2
117514	Soil	12	12	0.31	57	0.052	1	2.66	0.007	0.43	0.4	<0.01	2.5	0.6	<0.05	11	<0.5	<0.2
117515	Soil	19	13	0.27	72	0.046	<1	2.56	0.008	0.38	0.4	<0.01	2.3	0.6	<0.05	11	<0.5	<0.2
117516	Soil	8	9	0.19	72	0.036	<1	1.83	0.006	0.38	0.3	0.01	1.6	0.6	<0.05	6	<0.5	<0.2
117517	Soil	8	16	0.27	120	0.065	<1	2.57	0.009	0.44	0.4	0.02	2.4	0.8	<0.05	9	<0.5	<0.2
117518	Soil	6	8	0.18	73	0.026	<1	1.53	0.008	0.34	0.4	<0.01	1.6	0.6	<0.05	6	<0.5	<0.2
117519	Soil	6	7	0.20	69	0.046	<1	2.20	0.007	0.43	3.0	<0.01	1.5	0.8	<0.05	9	<0.5	<0.2
117520	Soil	10	6	0.22	43	0.034	<1	2.19	0.006	0.43	0.6	0.01	1.6	0.8	<0.05	9	0.6	<0.2
117521	Soil	12	12	0.11	59	0.011	2	1.77	0.006	0.18	1.1	<0.01	1.6	0.3	<0.05	7	<0.5	<0.2
117522	Soil	15	6	0.05	34	0.006	2	1.07	0.005	0.13	0.5	<0.01	1.2	0.2	<0.05	4	<0.5	<0.2

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Project: Burnham
 Report Date: August 02, 2011

Page: 11 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000589.1

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	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	2	0.01	0.001	
117523	Soil		0.9	3.9	7.2	68	<0.1	5.0	2.7	246	2.01	1.7	2.0	<0.5	14.6	8	<0.1	0.1	0.4	12	0.25	0.158
117524	Soil		1.1	22.1	17.2	59	0.2	26.4	7.4	174	2.65	13.6	0.9	<0.5	7.2	10	<0.1	0.7	0.3	58	0.10	0.035
117525	Soil		1.1	20.9	11.2	58	<0.1	23.8	8.4	210	2.70	12.4	0.8	1.4	7.0	11	0.1	0.7	0.2	53	0.09	0.037
117526	Soil		1.3	16.6	12.0	67	0.2	18.2	6.8	234	2.53	9.9	1.9	<0.5	8.5	12	0.1	0.5	0.4	47	0.14	0.046
117527	Soil		0.8	11.8	10.0	63	<0.1	6.0	3.1	176	2.43	3.5	4.0	0.7	16.0	6	0.2	0.2	0.4	13	0.16	0.112
117528	Soil		1.0	6.2	22.9	35	0.2	4.7	2.5	124	1.45	2.3	3.3	<0.5	14.2	14	<0.1	0.3	1.1	16	0.20	0.103
117529	Soil		1.5	22.4	11.2	59	0.1	20.9	7.6	192	2.64	11.5	3.6	<0.5	9.7	15	0.2	0.7	0.7	50	0.18	0.056
117530	Soil		1.2	23.0	15.3	61	<0.1	21.0	8.8	265	2.51	12.2	4.0	0.8	11.3	19	0.2	0.6	1.3	41	0.37	0.065
117531	Soil		1.7	38.5	12.7	60	0.2	33.1	9.6	259	2.55	12.5	2.9	3.2	9.4	23	0.2	0.5	0.7	52	0.46	0.045
117532	Soil		0.9	24.1	20.1	79	0.2	6.4	2.5	117	2.06	9.5	2.7	1.0	10.5	9	<0.1	0.6	2.4	11	0.41	0.111
117533	Soil		1.1	17.8	10.8	53	0.1	24.1	10.2	301	2.68	12.7	0.9	2.2	6.1	16	<0.1	0.6	0.4	52	0.21	0.028
117534	Soil		1.8	66.2	15.7	80	0.3	49.6	12.6	227	4.60	25.3	1.3	<0.5	11.7	17	<0.1	0.6	2.4	72	0.32	0.044
117535	Soil		0.1	15.6	24.2	159	0.4	16.1	3.8	245	0.55	18.1	2.1	1.8	3.8	315	1.3	1.6	0.4	10	7.99	0.092
117536	Soil		1.9	35.5	8.4	70	<0.1	26.4	14.3	339	5.51	9.4	4.4	<0.5	21.3	17	<0.1	0.1	0.4	37	0.12	0.090
117537	Soil		1.0	28.9	12.2	72	0.2	31.8	18.9	538	4.05	21.9	1.7	<0.5	11.3	15	0.3	0.2	0.3	42	0.24	0.055
117538	Soil		1.2	7.2	13.7	36	<0.1	5.4	2.1	85	1.19	6.0	4.9	<0.5	10.6	6	<0.1	0.2	0.7	13	0.17	0.060
117539	Soil		1.2	18.8	10.2	53	<0.1	22.5	7.2	217	2.18	9.7	1.8	9.7	7.0	15	0.1	0.6	0.4	43	0.24	0.044
117540	Soil		1.4	19.4	13.6	52	<0.1	21.6	7.0	149	2.06	10.5	2.8	1.4	9.6	14	<0.1	0.6	0.6	36	0.23	0.048
117541	Soil		1.0	12.9	11.6	53	<0.1	17.7	6.3	191	2.11	9.4	2.7	1.9	8.7	13	<0.1	0.5	0.4	39	0.18	0.026
117442	Soil		1.1	10.4	13.7	59	<0.1	7.3	2.5	107	1.52	8.5	11.4	<0.5	20.1	8	<0.1	0.3	0.8	16	0.21	0.087
117343	Soil		1.2	27.0	13.2	70	0.2	27.6	8.6	221	2.78	13.3	7.4	1.3	10.6	16	<0.1	0.6	0.8	54	0.18	0.038
117244	Soil		1.4	15.3	12.7	66	<0.1	23.0	8.4	220	3.42	16.3	1.4	0.7	5.6	13	0.2	0.8	0.5	64	0.13	0.032
117145	Soil		1.6	32.1	13.8	82	<0.1	30.1	12.8	496	3.33	15.4	4.5	2.8	7.9	22	<0.1	1.0	0.3	70	0.20	0.045
117046	Soil		1.0	18.4	11.8	66	<0.1	20.3	10.2	369	3.01	9.5	4.1	2.1	22.0	13	<0.1	0.5	0.6	48	0.13	0.027
116947	Soil		1.1	33.0	11.6	68	<0.1	23.6	10.7	421	3.25	12.9	2.2	2.4	14.7	14	<0.1	0.8	0.4	61	0.13	0.028
116848	Soil		0.6	21.1	11.0	58	<0.1	18.5	7.2	292	2.58	10.1	3.5	3.7	17.4	10	<0.1	0.6	0.4	34	0.13	0.039
116749	Soil		1.6	23.4	12.6	63	<0.1	19.3	8.6	283	3.17	12.5	1.6	2.7	7.5	11	<0.1	0.8	0.3	67	0.10	0.034
116650	Soil		1.2	14.1	10.9	62	<0.1	17.5	7.8	258	3.24	10.8	1.7	<0.5	16.7	8	<0.1	0.6	0.2	56	0.08	0.033
116551	Soil		0.9	21.0	11.0	59	<0.1	21.7	10.4	244	2.83	12.7	1.3	1.5	7.6	12	<0.1	0.7	0.2	56	0.12	0.019
116452	Soil		1.2	44.5	13.6	62	0.2	31.4	11.3	466	3.62	12.8	3.7	3.5	26.9	16	<0.1	1.1	0.3	68	0.14	0.020

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Project: Burnham
 Report Date: August 02, 2011

Page: 11 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
117523	Soil	15	9	0.13	81	0.016	<1	1.45	0.006	0.22	0.7	0.02	1.3	0.4	<0.05	6	<0.5	<0.2
117524	Soil	14	34	0.44	105	0.055	1	1.91	0.006	0.11	0.2	0.01	2.9	0.1	<0.05	5	<0.5	<0.2
117525	Soil	15	32	0.43	111	0.064	2	1.69	0.006	0.12	0.3	0.01	2.9	<0.1	<0.05	4	0.6	<0.2
117526	Soil	14	27	0.37	111	0.061	2	1.66	0.008	0.16	0.3	0.01	2.4	0.2	<0.05	5	<0.5	<0.2
117527	Soil	15	7	0.18	51	0.048	1	1.65	0.007	0.40	0.6	<0.01	2.1	0.8	<0.05	8	<0.5	<0.2
117528	Soil	20	8	0.10	83	0.013	1	0.87	0.005	0.15	0.7	<0.01	1.1	0.3	<0.05	3	0.5	<0.2
117529	Soil	19	28	0.40	154	0.047	2	1.82	0.007	0.12	0.6	0.01	2.3	0.2	<0.05	5	<0.5	<0.2
117530	Soil	17	28	0.41	144	0.051	3	1.45	0.008	0.13	6.4	<0.01	3.1	0.2	<0.05	4	<0.5	<0.2
117531	Soil	19	34	0.50	173	0.063	3	1.43	0.017	0.10	0.5	0.05	3.8	0.1	<0.05	5	<0.5	<0.2
117532	Soil	7	8	0.14	51	0.007	2	1.40	0.005	0.18	3.0	<0.01	1.6	0.5	<0.05	5	<0.5	<0.2
117533	Soil	12	32	0.49	215	0.054	3	1.69	0.008	0.11	0.7	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
117534	Soil	11	60	1.41	70	0.081	2	3.27	0.004	0.16	2.0	<0.01	4.6	0.4	<0.05	11	<0.5	<0.2
117535	Soil	26	9	0.95	13	0.040	19	0.85	0.005	<0.01	7.8	0.04	1.4	<0.1	<0.05	2	<0.5	<0.2
117536	Soil	94	43	0.99	87	0.059	1	2.50	0.005	0.44	0.2	<0.01	5.6	0.4	0.08	7	<0.5	<0.2
117537	Soil	12	39	0.90	166	0.054	1	2.38	0.006	0.32	0.4	<0.01	3.7	0.4	<0.05	7	<0.5	<0.2
117538	Soil	12	8	0.10	54	0.018	2	0.60	0.004	0.12	3.8	0.01	0.9	0.3	<0.05	2	<0.5	<0.2
117539	Soil	13	25	0.42	143	0.053	2	1.26	0.008	0.10	1.0	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
117540	Soil	14	23	0.36	135	0.044	2	1.15	0.010	0.12	1.8	<0.01	2.3	0.1	<0.05	3	<0.5	<0.2
117541	Soil	16	23	0.40	120	0.044	1	1.18	0.009	0.08	0.6	0.01	2.1	0.1	<0.05	4	<0.5	<0.2
117442	Soil	25	10	0.13	69	0.023	<1	0.75	0.005	0.14	1.5	<0.01	1.4	0.3	<0.05	3	<0.5	<0.2
117343	Soil	16	34	0.46	250	0.047	<1	1.92	0.008	0.09	0.6	0.01	4.3	0.1	<0.05	5	<0.5	<0.2
117244	Soil	15	31	0.49	193	0.046	2	2.09	0.007	0.07	0.2	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
117145	Soil	30	37	0.67	319	0.065	8	2.09	0.014	0.11	0.5	0.06	6.6	0.1	<0.05	6	0.8	<0.2
117046	Soil	41	28	0.48	201	0.066	<1	2.18	0.008	0.17	1.3	0.02	4.2	0.4	<0.05	7	<0.5	<0.2
116947	Soil	37	33	0.56	216	0.089	2	2.09	0.010	0.14	0.8	0.06	6.7	0.3	<0.05	7	<0.5	<0.2
116848	Soil	33	21	0.38	154	0.037	<1	1.59	0.006	0.09	0.3	0.03	3.4	0.2	<0.05	5	<0.5	<0.2
116749	Soil	19	38	0.47	201	0.066	1	2.41	0.009	0.07	0.2	0.03	5.0	0.2	<0.05	6	0.5	<0.2
116650	Soil	22	29	0.54	119	0.094	<1	2.26	0.006	0.16	0.2	0.02	3.6	0.3	<0.05	8	<0.5	<0.2
116551	Soil	22	31	0.48	170	0.071	1	1.83	0.012	0.07	0.1	0.03	4.2	0.1	<0.05	5	<0.5	<0.2
116452	Soil	179	40	0.58	356	0.088	1	2.74	0.014	0.15	0.1	0.05	8.2	0.3	<0.05	8	<0.5	<0.2

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Project: Burnham
 Report Date: August 02, 2011

Page: 12 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
116353	Soil	1.0	17.1	11.6	66	<0.1	21.4	9.7	293	3.51	12.3	1.5	1.1	17.6	9	<0.1	0.5	0.2	48	0.11	0.030
121418	Soil	0.9	12.5	10.7	59	<0.1	18.4	12.0	314	3.10	10.9	1.5	2.9	11.2	11	<0.1	0.6	0.2	51	0.14	0.064
121419	Soil	1.3	16.2	11.6	65	<0.1	17.1	7.4	250	3.15	10.5	2.5	1.7	26.3	13	<0.1	0.6	0.3	54	0.15	0.034
121420	Soil	1.5	8.6	12.0	56	<0.1	10.8	6.4	288	3.25	10.4	2.1	1.3	12.7	10	<0.1	0.5	0.4	55	0.14	0.091
121421	Soil	0.9	9.4	13.5	55	<0.1	11.9	5.7	194	3.04	11.0	1.2	1.2	15.1	10	<0.1	0.5	0.3	54	0.12	0.040
121422	Soil	1.2	15.4	14.5	67	<0.1	19.8	10.0	274	3.32	12.0	1.7	2.1	18.1	12	<0.1	0.6	0.3	52	0.18	0.074
121423	Soil	1.2	16.0	12.3	67	<0.1	20.7	9.5	256	3.29	12.1	0.9	1.2	13.9	10	<0.1	0.7	0.3	54	0.11	0.064
121424	Soil	0.9	9.6	15.1	67	<0.1	8.1	7.3	348	3.77	5.7	1.8	1.3	32.3	9	<0.1	0.2	0.4	37	0.33	0.187
121425	Soil	1.0	17.4	14.7	58	<0.1	12.4	6.4	199	2.89	7.4	3.4	2.1	33.5	14	<0.1	0.4	0.3	42	0.18	0.049
121426	Soil	0.6	8.6	14.4	67	<0.1	6.9	6.0	283	2.88	4.4	1.9	<0.5	26.3	5	<0.1	0.2	0.3	20	0.27	0.123
121427	Soil	1.0	13.4	17.7	62	<0.1	13.9	7.0	306	2.82	10.3	1.6	0.7	21.1	10	<0.1	0.4	0.3	36	0.16	0.051
121428	Soil	1.5	20.9	15.8	79	<0.1	20.3	9.1	275	3.17	11.5	1.8	0.9	29.2	15	<0.1	0.6	0.3	53	0.17	0.042
121429	Soil	1.0	14.2	16.0	68	<0.1	15.2	7.6	324	2.87	8.8	1.6	0.9	33.1	12	<0.1	0.4	0.3	41	0.19	0.058
121430	Soil	1.0	13.5	15.3	68	<0.1	14.8	8.1	326	3.17	9.9	1.4	2.4	29.2	11	<0.1	0.4	0.4	46	0.18	0.057
121431	Soil	0.7	10.2	15.5	69	<0.1	7.3	6.4	312	3.18	4.6	1.8	0.6	23.1	6	<0.1	0.2	0.3	27	0.29	0.140
121432	Soil	0.6	14.4	12.3	61	<0.1	11.8	6.4	271	2.77	5.3	2.1	2.2	30.9	10	<0.1	0.3	0.3	30	0.22	0.076
121433	Soil	1.0	11.8	15.2	51	<0.1	10.7	5.3	190	2.77	8.1	1.1	1.4	12.5	9	<0.1	0.4	0.4	47	0.11	0.043



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 Report Date: August 02, 2011

Page: 12 of 12 Part 2

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WHI11000589.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
116353	Soil	16	26	0.55	141	0.117	2	2.44	0.007	0.32	0.2	0.02	3.8	0.5	<0.05	8	<0.5	<0.2
121418	Soil	28	29	0.45	202	0.079	<1	2.15	0.007	0.17	0.2	<0.01	3.2	0.3	<0.05	7	<0.5	<0.2
121419	Soil	40	28	0.48	189	0.092	1	2.19	0.008	0.16	0.2	0.02	3.5	0.3	<0.05	8	<0.5	<0.2
121420	Soil	39	23	0.31	109	0.073	<1	1.84	0.007	0.18	0.2	<0.01	2.4	0.3	<0.05	9	<0.5	<0.2
121421	Soil	22	24	0.37	128	0.092	1	1.97	0.007	0.20	0.2	<0.01	3.0	0.4	<0.05	8	<0.5	<0.2
121422	Soil	19	28	0.47	163	0.048	<1	2.34	0.007	0.13	0.2	0.02	3.1	0.2	<0.05	8	<0.5	<0.2
121423	Soil	13	29	0.44	154	0.067	<1	2.29	0.007	0.14	0.2	0.02	2.8	0.2	<0.05	7	<0.5	<0.2
121424	Soil	29	17	0.49	116	0.103	<1	2.46	0.006	0.46	0.3	<0.01	3.6	0.6	<0.05	13	0.5	<0.2
121425	Soil	61	24	0.39	186	0.064	<1	2.02	0.008	0.19	3.1	0.03	4.4	0.3	<0.05	8	<0.5	<0.2
121426	Soil	18	11	0.28	115	0.019	<1	1.52	0.004	0.11	0.2	<0.01	1.9	0.2	<0.05	9	<0.5	<0.2
121427	Soil	21	21	0.37	122	0.020	<1	1.78	0.005	0.07	0.2	0.01	2.3	0.1	<0.05	7	<0.5	<0.2
121428	Soil	49	29	0.52	159	0.039	<1	2.08	0.009	0.10	0.2	0.02	3.8	0.2	<0.05	8	<0.5	<0.2
121429	Soil	32	23	0.41	131	0.035	<1	1.94	0.007	0.11	0.2	0.01	2.7	0.2	<0.05	7	<0.5	<0.2
121430	Soil	26	23	0.43	124	0.050	<1	1.96	0.010	0.14	0.2	0.02	2.7	0.3	<0.05	8	<0.5	<0.2
121431	Soil	19	13	0.31	101	0.041	<1	1.93	0.005	0.21	0.2	<0.01	2.4	0.3	<0.05	11	<0.5	<0.2
121432	Soil	61	18	0.35	157	0.060	1	1.52	0.007	0.19	0.2	<0.01	2.7	0.3	<0.05	7	<0.5	<0.2
121433	Soil	23	19	0.30	104	0.034	<1	1.64	0.006	0.09	0.3	0.01	2.2	0.2	<0.05	8	<0.5	<0.2



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Report Date: August 02, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000589.1

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	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %
Pulp Duplicates																				
120445 Soil	0.7	8.8	9.8	37	<0.1	11.4	4.6	151	2.36	10.1	0.5	9.0	2.5	8	<0.1	0.5	0.2	47	0.07	0.022
REP 120445 QC	0.8	8.3	9.8	37	<0.1	11.6	4.3	146	2.29	9.5	0.4	1.6	2.4	8	0.1	0.5	0.2	46	0.07	0.022
120460 Soil	1.5	15.3	15.2	65	<0.1	18.3	7.8	302	3.07	9.3	5.3	1.3	15.8	9	0.1	0.6	0.5	47	0.08	0.030
REP 120460 QC	1.4	14.7	14.1	61	<0.1	17.6	7.3	293	2.99	8.8	5.0	2.1	14.9	9	<0.1	0.6	0.5	45	0.07	0.028
120477 Soil	1.3	12.0	11.3	61	<0.1	14.5	8.7	323	3.18	11.9	1.5	1.0	3.9	7	<0.1	0.5	0.3	56	0.06	0.046
REP 120477 QC	1.2	12.0	11.5	62	<0.1	15.2	8.9	326	3.23	11.9	1.5	5.0	3.9	7	<0.1	0.5	0.2	56	0.07	0.048
109375 Soil	1.0	17.4	10.6	61	<0.1	20.4	9.8	260	3.43	12.0	1.0	1.5	11.1	10	<0.1	0.6	0.2	61	0.09	0.028
REP 109375 QC	1.1	17.9	10.6	61	<0.1	20.9	9.6	266	3.48	12.1	1.0	1.9	11.3	10	0.1	0.6	0.2	62	0.09	0.028
109387 Soil	1.4	23.7	18.8	126	<0.1	25.6	16.4	567	7.03	13.0	3.4	<0.5	53.0	12	<0.1	0.3	0.4	111	0.27	0.142
REP 109387 QC	1.5	24.1	19.2	128	<0.1	25.9	16.2	560	7.07	13.3	3.6	0.5	54.8	13	<0.1	0.4	0.4	109	0.27	0.134
109405 Soil	1.0	14.6	13.9	58	<0.1	20.5	9.7	268	2.72	11.5	1.4	1.5	10.8	9	<0.1	0.7	0.3	44	0.07	0.029
REP 109405 QC	0.8	14.6	13.6	56	<0.1	20.8	9.6	271	2.72	12.4	1.4	1.5	10.5	9	0.1	0.7	0.3	45	0.08	0.029
102178 Soil	0.7	12.4	30.3	84	<0.1	9.6	9.0	362	3.47	3.5	3.0	1.2	37.0	8	0.1	0.3	0.5	38	0.18	0.085
REP 102178 QC	0.6	13.0	30.4	85	<0.1	10.0	9.0	336	3.41	3.1	2.9	1.4	36.0	8	0.1	0.2	0.5	37	0.17	0.076
102189 Soil	1.1	12.0	7.6	55	<0.1	13.2	6.6	248	1.73	4.3	3.0	12.4	6.8	19	0.2	0.3	0.4	28	0.43	0.117
REP 102189 QC	1.4	11.9	8.0	57	<0.1	12.6	6.9	260	1.88	4.3	3.1	1.8	7.0	20	0.2	0.3	0.2	30	0.42	0.104
102200 Soil	0.6	15.6	18.3	40	<0.1	8.5	3.8	193	1.67	4.0	5.6	1.3	11.1	14	<0.1	0.3	2.0	15	0.15	0.028
REP 102200 QC	0.6	15.6	17.5	38	<0.1	8.7	3.9	199	1.68	4.0	5.3	1.0	10.5	13	<0.1	0.3	1.8	16	0.14	0.028
122111 Soil	0.7	18.1	12.7	77	<0.1	11.2	7.8	594	3.79	6.4	4.3	<0.5	32.9	4	<0.1	0.3	0.2	38	0.08	0.066
REP 122111 QC	0.7	17.8	12.6	75	<0.1	10.9	7.6	576	3.64	6.2	4.2	1.0	31.7	4	<0.1	0.3	0.2	36	0.08	0.064
119538 Soil	1.1	13.0	9.9	54	<0.1	14.3	7.1	198	2.60	5.7	2.1	<0.5	12.6	10	<0.1	0.3	0.3	41	0.15	0.050
REP 119538 QC	1.1	12.9	9.9	55	<0.1	14.5	7.2	201	2.63	5.7	2.2	1.1	12.8	10	<0.1	0.3	0.4	42	0.15	0.051
119556 Soil	0.8	13.5	12.8	71	<0.1	15.0	9.6	295	3.89	7.5	1.4	2.4	30.5	7	<0.1	0.3	0.4	53	0.10	0.036
REP 119556 QC	0.9	13.1	12.9	73	<0.1	15.3	9.8	296	3.99	7.5	1.4	<0.5	29.2	8	<0.1	0.3	0.4	53	0.08	0.036
119576 Soil	0.7	20.1	9.5	42	<0.1	17.2	7.0	167	2.34	9.2	1.5	5.6	17.5	13	<0.1	0.6	0.2	41	0.14	0.036
REP 119576 QC	0.6	19.5	9.1	41	<0.1	17.8	7.0	168	2.27	9.0	1.5	2.9	17.2	13	<0.1	0.6	0.2	41	0.14	0.036
119579 Soil	1.2	5.6	8.4	33	<0.1	5.7	3.0	140	2.22	4.1	1.5	<0.5	9.0	8	<0.1	0.2	0.2	29	0.11	0.070
REP 119579 QC	1.2	6.0	8.4	33	<0.1	5.5	2.9	137	2.18	3.9	1.5	<0.5	8.9	8	<0.1	0.2	0.2	29	0.11	0.064

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Project: Burnham
 Report Date: August 02, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000589.1

Method	Analyte	Unit	MDL	1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
Pulp Duplicates																				
120445	Soil			12	20	0.34	91	0.037	1	1.26	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
REP 120445	QC			11	20	0.33	87	0.035	<1	1.27	0.005	0.03	0.2	0.02	1.6	<0.1	<0.05	5	0.5	<0.2
120460	Soil			24	28	0.42	130	0.039	1	2.16	0.006	0.10	0.2	0.02	3.0	0.3	<0.05	6	<0.5	<0.2
REP 120460	QC			23	26	0.40	121	0.036	<1	2.02	0.005	0.09	0.2	0.02	2.9	0.3	<0.05	6	<0.5	<0.2
120477	Soil			14	27	0.40	106	0.032	<1	1.70	0.005	0.06	0.2	0.02	1.9	0.1	<0.05	6	0.5	<0.2
REP 120477	QC			15	28	0.41	106	0.033	<1	1.75	0.005	0.06	0.1	0.02	1.9	0.1	<0.05	6	<0.5	<0.2
109375	Soil			20	31	0.51	174	0.088	1	2.07	0.007	0.15	0.2	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
REP 109375	QC			19	32	0.51	175	0.090	1	2.08	0.006	0.16	0.2	0.03	3.4	0.3	<0.05	7	<0.5	<0.2
109387	Soil			26	54	0.84	174	0.294	<1	3.43	0.010	0.82	0.6	0.01	8.7	0.5	<0.05	19	<0.5	<0.2
REP 109387	QC			27	54	0.83	181	0.298	<1	3.39	0.010	0.83	0.6	<0.01	8.8	0.5	<0.05	19	<0.5	<0.2
109405	Soil			18	26	0.49	144	0.037	<1	1.82	0.006	0.07	0.2	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
REP 109405	QC			19	27	0.48	144	0.040	<1	1.83	0.006	0.07	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
102178	Soil			90	19	0.34	98	0.010	<1	2.38	0.006	0.13	1.0	0.01	2.3	0.1	<0.05	9	<0.5	<0.2
REP 102178	QC			90	20	0.34	97	0.010	<1	2.38	0.006	0.13	1.0	0.01	2.4	0.1	<0.05	9	<0.5	<0.2
102189	Soil			26	16	0.29	180	0.053	<1	1.09	0.010	0.09	0.7	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
REP 102189	QC			27	16	0.29	184	0.053	<1	1.08	0.009	0.10	0.8	0.03	1.9	0.1	<0.05	4	<0.5	<0.2
102200	Soil			34	8	0.17	143	0.008	<1	0.80	0.005	0.05	<0.1	0.03	2.3	<0.1	<0.05	2	<0.5	<0.2
REP 102200	QC			33	9	0.18	140	0.007	<1	0.78	0.005	0.05	<0.1	0.02	2.2	<0.1	<0.05	2	<0.5	<0.2
122111	Soil			83	20	0.34	95	0.034	<1	2.34	0.006	0.25	1.0	<0.01	3.9	0.3	<0.05	9	<0.5	<0.2
REP 122111	QC			79	20	0.33	93	0.033	<1	2.23	0.006	0.25	1.1	<0.01	3.9	0.3	<0.05	9	<0.5	<0.2
119538	Soil			32	21	0.37	170	0.083	<1	1.66	0.007	0.17	0.2	0.01	3.0	0.2	<0.05	7	0.5	<0.2
REP 119538	QC			32	22	0.37	173	0.084	<1	1.71	0.007	0.17	0.2	<0.01	3.2	0.2	<0.05	7	0.6	<0.2
119556	Soil			23	25	0.49	186	0.158	<1	2.65	0.007	0.37	0.3	0.01	4.9	0.6	<0.05	13	<0.5	<0.2
REP 119556	QC			22	27	0.47	187	0.160	<1	2.62	0.009	0.38	0.3	<0.01	4.7	0.5	<0.05	13	0.8	<0.2
119576	Soil			48	25	0.39	149	0.044	<1	1.49	0.007	0.04	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
REP 119576	QC			49	24	0.38	153	0.045	<1	1.47	0.007	0.04	0.2	0.03	2.6	0.1	<0.05	4	0.6	<0.2
119579	Soil			5	10	0.16	107	0.014	<1	1.57	0.006	0.13	0.9	0.02	2.3	0.3	<0.05	7	<0.5	<0.2
REP 119579	QC			5	11	0.16	106	0.015	<1	1.54	0.006	0.13	0.8	<0.01	2.4	0.3	<0.05	7	<0.5	<0.2

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Project: Burnham
 Report Date: August 02, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000589.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
119597	Soil	0.8	10.0	9.6	44	<0.1	15.0	6.3	183	2.20	6.0	1.3	3.4	12.1	11	<0.1	0.4	0.3	40	0.16	0.020
REP 119597	QC	1.0	10.7	9.9	46	<0.1	14.3	6.5	193	2.28	6.7	1.3	2.6	12.7	12	0.1	0.5	0.3	41	0.16	0.017
117516	Soil	2.5	9.2	9.0	52	<0.1	6.9	4.6	209	4.10	4.2	5.9	<0.5	16.2	4	<0.1	0.2	0.4	15	0.10	0.073
REP 117516	QC	2.4	8.8	9.1	52	<0.1	6.7	4.3	197	3.84	3.9	5.5	1.3	15.3	4	<0.1	0.2	0.3	15	0.10	0.067
117244	Soil	1.4	15.3	12.7	66	<0.1	23.0	8.4	220	3.42	16.3	1.4	0.7	5.6	13	0.2	0.8	0.5	64	0.13	0.032
REP 117244	QC	1.4	15.1	12.6	66	<0.1	22.8	8.8	217	3.39	16.0	1.4	2.4	5.5	13	0.2	0.8	0.4	64	0.13	0.032
121418	Soil	0.9	12.5	10.7	59	<0.1	18.4	12.0	314	3.10	10.9	1.5	2.9	11.2	11	<0.1	0.6	0.2	51	0.14	0.064
REP 121418	QC	1.2	11.9	10.4	59	<0.1	17.4	12.3	311	3.05	10.9	1.5	1.5	11.3	10	<0.1	0.6	0.2	50	0.15	0.065
Reference Materials																					
STD DS8	Standard	11.3	108.4	128.3	317	1.8	37.8	7.3	612	2.48	27.2	2.8	112.9	6.9	68	2.2	5.8	7.1	41	0.69	0.080
STD DS8	Standard	12.4	111.3	126.9	319	1.8	37.2	7.4	603	2.44	27.3	2.8	107.1	6.7	68	2.4	5.8	7.0	36	0.66	0.078
STD DS8	Standard	12.1	112.4	120.2	315	1.7	38.9	7.6	603	2.50	26.5	2.6	111.5	6.4	62	2.4	5.7	6.4	42	0.65	0.077
STD DS8	Standard	13.0	106.9	124.6	312	1.8	37.6	7.5	616	2.45	26.3	2.7	101.8	6.7	66	2.5	6.2	6.7	41	0.66	0.076
STD DS8	Standard	13.7	113.1	125.3	320	1.8	37.1	7.8	627	2.55	27.5	2.9	113.4	6.9	73	2.3	6.2	7.1	44	0.70	0.077
STD DS8	Standard	12.9	107.6	120.9	309	1.7	36.2	7.6	596	2.41	25.3	2.8	109.4	6.8	70	2.0	5.9	6.8	40	0.68	0.076
STD DS8	Standard	12.1	106.1	115.7	304	1.8	35.2	7.3	570	2.34	27.7	2.5	108.7	5.9	63	2.3	5.6	6.7	41	0.64	0.079
STD DS8	Standard	12.4	102.3	119.6	290	1.8	34.6	6.8	561	2.23	25.3	2.7	97.8	6.3	63	2.5	5.5	6.8	39	0.64	0.073
STD DS8	Standard	13.6	109.9	113.5	302	1.8	37.6	7.4	620	2.40	26.4	2.5	111.2	6.2	61	2.4	5.0	6.0	44	0.68	0.083
STD DS8	Standard	12.4	105.2	110.6	291	1.8	36.1	7.4	567	2.34	25.7	2.4	114.1	5.9	60	2.2	5.0	6.0	41	0.64	0.077
STD DS8	Standard	13.5	109.4	119.1	322	1.8	38.4	7.2	615	2.50	26.8	2.4	116.1	6.4	60	2.0	5.2	6.5	42	0.68	0.079
STD DS8	Standard	12.9	107.9	121.4	304	1.7	35.6	7.0	609	2.38	24.8	2.6	110.7	6.9	62	2.2	5.3	6.3	40	0.67	0.074
STD DS8	Standard	11.6	101.7	116.3	290	1.6	36.3	6.9	567	2.30	24.7	2.4	102.9	6.4	59	2.2	5.1	5.9	38	0.63	0.073
STD DS8	Standard	11.7	98.6	115.7	281	1.6	35.2	6.8	559	2.22	22.5	2.5	90.9	6.7	57	1.8	4.7	5.4	38	0.63	0.066
STD DS8	Standard	13.9	109.5	132.5	311	1.9	38.5	7.6	621	2.45	27.5	2.8	121.3	7.2	69	2.2	5.7	6.7	43	0.72	0.078
STD DS8	Standard	14.3	108.6	124.5	308	1.8	36.8	7.5	617	2.45	27.3	2.9	109.3	7.2	69	2.5	5.8	6.2	44	0.75	0.079
STD DS8	Standard	13.2	112.5	109.4	302	1.7	37.5	7.6	607	2.43	26.8	2.3	101.3	5.9	60	2.3	4.8	6.0	44	0.67	0.079
STD DS8	Standard	13.4	108.4	103.6	299	1.7	36.2	7.5	602	2.40	26.3	2.3	103.5	5.7	61	2.4	4.8	5.7	43	0.67	0.076
STD DS8	Standard	13.9	112.1	124.4	309	1.8	42.1	7.5	587	2.41	24.2	2.7	119.9	6.7	67	2.3	5.3	6.0	41	0.69	0.079
STD DS8	Standard	13.6	112.3	124.1	308	1.7	38.4	7.4	622	2.44	25.3	2.9	148.3	6.7	67	2.2	5.2	6.1	47	0.70	0.080

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Project: Burnham
 Report Date: August 02, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000589.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
119597	Soil	19	21	0.38	128	0.065	1	1.38	0.007	0.13	0.2	0.02	1.9	0.1	0.23	5	<0.5	<0.2
REP 119597	QC	20	23	0.38	134	0.067	<1	1.44	0.007	0.13	0.2	0.02	2.3	0.2	0.25	5	<0.5	<0.2
117516	Soil	8	9	0.19	72	0.036	<1	1.83	0.006	0.38	0.3	0.01	1.6	0.6	<0.05	6	<0.5	<0.2
REP 117516	QC	8	8	0.18	70	0.034	1	1.75	0.005	0.36	0.3	<0.01	1.4	0.6	<0.05	7	0.6	<0.2
117244	Soil	15	31	0.49	193	0.046	2	2.09	0.007	0.07	0.2	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
REP 117244	QC	15	31	0.49	190	0.048	<1	2.10	0.007	0.07	0.2	0.03	2.7	0.2	<0.05	7	0.7	<0.2
121418	Soil	28	29	0.45	202	0.079	<1	2.15	0.007	0.17	0.2	<0.01	3.2	0.3	<0.05	7	<0.5	<0.2
REP 121418	QC	28	28	0.45	199	0.081	1	2.17	0.007	0.17	0.2	0.01	3.1	0.3	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	118	0.61	272	0.114	3	0.89	0.099	0.45	2.9	0.21	2.5	5.5	0.16	5	4.9	5.7
STD DS8	Standard	13	115	0.59	272	0.114	2	0.87	0.096	0.43	3.0	0.18	2.5	5.4	0.15	5	4.7	5.0
STD DS8	Standard	13	120	0.59	265	0.120	2	0.87	0.083	0.40	2.9	0.19	1.8	5.3	0.17	5	5.4	4.9
STD DS8	Standard	14	118	0.60	278	0.122	2	0.85	0.081	0.41	2.9	0.19	2.0	5.5	0.13	5	5.0	5.2
STD DS8	Standard	15	125	0.62	285	0.123	3	0.91	0.098	0.43	2.9	0.21	2.1	5.5	0.18	5	5.5	5.1
STD DS8	Standard	14	115	0.61	280	0.117	2	0.90	0.090	0.40	2.9	0.19	2.1	5.5	0.17	5	5.6	4.4
STD DS8	Standard	12	112	0.59	267	0.115	2	0.84	0.080	0.42	3.0	0.18	2.1	5.3	0.20	4	4.7	4.4
STD DS8	Standard	14	110	0.56	270	0.115	2	0.84	0.081	0.40	2.9	0.18	2.1	5.4	0.15	4	5.1	4.5
STD DS8	Standard	14	115	0.61	295	0.112	3	0.96	0.111	0.48	2.9	0.20	2.4	5.3	0.18	5	5.0	4.9
STD DS8	Standard	14	113	0.58	282	0.105	3	0.87	0.095	0.43	3.0	0.21	2.0	5.5	0.15	5	5.1	5.1
STD DS8	Standard	14	118	0.61	270	0.116	2	0.88	0.085	0.44	3.0	0.19	2.3	5.1	0.19	5	4.4	4.9
STD DS8	Standard	14	112	0.58	277	0.113	1	0.86	0.082	0.42	2.9	0.19	2.2	5.4	0.13	5	4.9	5.1
STD DS8	Standard	12	106	0.56	263	0.098	1	0.85	0.092	0.39	2.7	0.17	2.2	4.9	0.13	4	5.0	4.9
STD DS8	Standard	13	105	0.54	245	0.102	3	0.83	0.084	0.39	2.8	0.19	2.1	4.8	0.11	4	5.4	4.9
STD DS8	Standard	16	118	0.62	295	0.120	2	0.93	0.101	0.43	3.0	0.20	2.4	5.5	0.16	5	5.3	5.0
STD DS8	Standard	17	118	0.63	293	0.123	3	0.97	0.105	0.46	3.0	0.19	2.6	5.4	0.16	5	5.0	4.9
STD DS8	Standard	14	119	0.60	276	0.113	2	0.91	0.086	0.43	2.8	0.22	2.4	5.1	0.18	5	5.3	4.7
STD DS8	Standard	13	118	0.60	275	0.109	3	0.91	0.091	0.40	2.8	0.18	2.4	5.1	0.17	5	5.1	4.7
STD DS8	Standard	15	119	0.58	272	0.120	3	0.96	0.075	0.43	3.3	0.18	2.2	5.3	0.17	5	5.6	4.4
STD DS8	Standard	16	125	0.57	292	0.126	4	0.96	0.088	0.43	3.0	0.21	2.4	5.2	0.08	5	5.8	4.2

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.



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Project: Burnham

Report Date: August 02, 2011

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

WHI11000589.1

		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 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Burnham

Report Date: August 02, 2011

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000589.1

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



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Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 04, 2011
Page: 1 of 11

CERTIFICATE OF ANALYSIS

WHI11000622.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 20110705100704
P.O. Number
Number of Samples: 286

SAMPLE DISPOSAL

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

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

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

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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: Burnham
 Report Date: August 04, 2011

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
102225	Soil	0.7	13.5	9.8	73	<0.1	14.8	8.0	311	3.61	8.4	5.9	0.8	26.5	7	<0.1	0.3	0.5	44	0.14	0.100
102226	Soil	0.5	13.7	9.9	76	<0.1	8.7	6.7	311	3.29	3.7	5.5	<0.5	51.1	7	<0.1	0.2	0.6	28	0.18	0.102
102227	Soil	0.6	10.7	14.8	68	<0.1	8.3	6.1	385	3.05	3.8	6.2	0.6	34.9	8	<0.1	0.2	0.6	20	0.27	0.152
102228	Soil	0.6	12.6	9.5	79	<0.1	12.4	7.6	297	4.15	4.0	3.5	<0.5	51.3	7	<0.1	0.2	0.3	35	0.23	0.132
102229	Soil	1.3	13.5	13.6	100	<0.1	16.7	10.6	476	4.88	10.8	8.2	<0.5	50.8	11	<0.1	0.2	0.5	66	0.30	0.178
102230	Soil	0.5	11.9	9.9	67	<0.1	10.6	8.0	345	3.27	5.4	3.9	<0.5	37.3	7	<0.1	0.3	0.3	33	0.21	0.115
102231	Soil	0.6	8.1	13.9	51	<0.1	13.1	10.6	488	4.33	3.7	1.8	<0.5	54.2	8	<0.1	0.1	0.3	49	0.37	0.176
102232	Soil	0.3	4.8	18.3	125	<0.1	13.4	15.1	879	7.32	2.2	2.2	<0.5	26.6	14	<0.1	<0.1	0.6	111	0.37	0.167
102233	Soil	0.7	5.7	16.0	55	<0.1	15.4	7.7	430	3.26	2.9	2.3	<0.5	44.1	17	<0.1	0.1	0.3	42	0.40	0.158
102234	Soil	1.0	9.8	25.8	56	<0.1	12.7	6.1	283	2.89	4.2	4.5	<0.5	55.8	5	<0.1	0.2	0.5	31	0.14	0.076
102235	Soil	1.0	20.5	11.9	40	<0.1	14.9	4.4	78	3.03	37.4	1.9	12.1	10.7	13	<0.1	0.7	1.5	23	0.15	0.039
102236	Soil	1.0	27.7	9.8	88	<0.1	58.6	18.9	402	4.61	8.1	0.8	<0.5	10.3	20	<0.1	<0.1	0.4	83	0.37	0.094
102237	Soil	1.1	41.1	9.7	110	<0.1	61.2	25.3	677	5.21	3.6	1.3	<0.5	8.6	8	<0.1	<0.1	0.6	29	0.14	0.057
102238	Soil	0.7	10.7	24.1	73	<0.1	10.1	6.1	253	4.05	2.2	4.4	<0.5	33.3	7	0.1	0.1	0.5	30	0.20	0.111
102239	Soil	1.1	50.5	8.4	89	<0.1	53.2	25.2	492	6.41	3.6	2.4	<0.5	18.6	15	<0.1	0.2	0.3	47	0.22	0.115
102240	Soil	0.8	5.0	28.9	74	<0.1	10.3	5.3	194	3.55	3.5	5.6	<0.5	65.3	9	<0.1	0.2	0.3	17	0.24	0.127
102241	Soil	0.8	5.2	24.2	82	<0.1	9.5	5.6	218	3.68	3.5	6.5	<0.5	68.3	9	<0.1	0.2	0.3	18	0.28	0.153
102242	Soil	0.8	10.8	23.1	71	<0.1	9.9	6.3	262	3.43	3.4	5.4	<0.5	51.4	8	<0.1	0.2	0.3	27	0.21	0.125
102243	Soil	1.2	8.6	19.5	73	<0.1	6.4	4.3	221	3.17	4.7	8.6	0.8	39.8	6	0.1	0.1	0.4	17	0.21	0.140
102244	Soil	0.6	13.3	15.6	80	<0.1	9.6	7.5	348	3.91	3.7	8.8	0.6	62.6	8	<0.1	<0.1	0.8	22	0.30	0.171
104411	Soil	0.9	24.2	18.3	96	<0.1	21.7	12.3	452	4.78	6.8	3.4	1.4	47.4	19	<0.1	0.4	0.4	64	0.28	0.099
104412	Soil	1.0	20.2	15.2	100	<0.1	18.6	11.1	503	5.22	3.2	3.7	1.7	59.9	14	<0.1	0.2	0.3	61	0.31	0.129
104413	Soil	0.8	25.9	13.4	77	<0.1	17.6	11.8	433	4.28	4.4	3.4	<0.5	37.6	14	<0.1	0.3	0.4	56	0.24	0.094
104414	Soil	0.8	22.1	12.4	66	<0.1	19.9	9.9	332	3.26	7.5	2.7	2.1	24.5	12	0.1	0.5	0.4	44	0.18	0.071
104415	Soil	1.2	7.9	12.5	41	<0.1	10.4	4.7	203	2.33	9.2	3.0	6.2	7.6	10	<0.1	0.4	0.3	48	0.08	0.031
104416	Soil	0.8	10.1	12.8	54	<0.1	16.9	9.5	251	2.58	9.8	2.0	3.9	8.2	9	0.2	0.5	0.5	43	0.08	0.029
104417	Soil	1.2	20.9	13.8	60	<0.1	16.2	8.6	312	2.89	8.4	8.8	3.4	16.3	10	<0.1	0.5	0.7	44	0.12	0.044
104418	Soil	1.0	18.7	13.0	54	<0.1	15.1	7.8	326	2.47	8.0	12.3	3.3	15.8	14	<0.1	0.6	0.6	32	0.17	0.056
104419	Soil	1.3	20.5	20.3	108	<0.1	18.9	8.0	613	2.74	9.1	9.6	2.7	25.1	17	0.2	0.6	0.9	35	0.19	0.050
104420	Soil	1.2	22.3	14.3	72	<0.1	19.3	8.8	343	2.81	10.6	5.1	3.6	14.7	18	<0.1	0.7	0.4	49	0.16	0.031

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.



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Page: 2 of 11 Part 2

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
102225	Soil	26	22	0.48	126	0.176	1	2.31	0.007	0.49	1.1	0.01	3.8	0.7	<0.05	10	<0.5	<0.2
102226	Soil	86	15	0.38	84	0.100	<1	1.86	0.007	0.35	0.2	<0.01	3.5	0.5	<0.05	10	<0.5	<0.2
102227	Soil	55	13	0.27	98	0.004	<1	1.57	0.006	0.10	0.4	<0.01	2.0	0.1	<0.05	8	<0.5	<0.2
102228	Soil	66	19	0.47	88	0.081	<1	2.49	0.007	0.47	1.0	<0.01	3.8	0.5	<0.05	11	<0.5	<0.2
102229	Soil	136	32	0.69	120	0.321	1	2.79	0.010	0.91	0.2	0.01	6.7	0.9	<0.05	14	<0.5	<0.2
102230	Soil	54	17	0.40	114	0.110	2	2.03	0.008	0.42	0.2	<0.01	3.1	0.6	<0.05	9	<0.5	<0.2
102231	Soil	26	25	0.65	135	0.095	<1	2.52	0.008	0.53	0.4	<0.01	5.5	0.4	<0.05	11	<0.5	<0.2
102232	Soil	70	45	1.09	133	0.127	<1	3.82	0.008	0.42	0.2	<0.01	11.3	0.4	<0.05	21	<0.5	<0.2
102233	Soil	58	22	0.53	101	0.004	<1	1.88	0.006	0.08	0.1	<0.01	2.9	<0.1	<0.05	8	<0.5	<0.2
102234	Soil	96	18	0.56	92	0.008	<1	1.75	0.005	0.10	0.2	<0.01	3.5	0.2	<0.05	7	<0.5	<0.2
102235	Soil	39	20	0.16	102	0.007	<1	0.76	0.004	0.09	0.1	<0.01	2.2	0.2	<0.05	4	<0.5	<0.2
102236	Soil	12	83	2.54	466	0.103	<1	4.40	0.010	0.75	0.3	<0.01	5.3	0.6	<0.05	16	<0.5	<0.2
102237	Soil	59	39	0.88	110	0.004	<1	2.69	0.004	0.10	0.1	<0.01	3.6	0.2	<0.05	9	<0.5	<0.2
102238	Soil	42	17	0.44	69	0.003	<1	2.41	0.005	0.10	1.0	<0.01	2.6	0.2	<0.05	10	<0.5	<0.2
102239	Soil	49	46	0.94	92	0.042	<1	2.62	0.006	0.21	0.3	<0.01	6.0	0.2	<0.05	8	<0.5	<0.2
102240	Soil	112	14	0.31	83	0.003	<1	1.81	0.005	0.11	<0.1	<0.01	1.9	0.2	<0.05	9	<0.5	<0.2
102241	Soil	104	14	0.31	81	0.003	<1	1.87	0.005	0.12	<0.1	<0.01	2.0	0.2	<0.05	9	<0.5	<0.2
102242	Soil	79	16	0.31	81	0.017	<1	2.06	0.006	0.24	0.2	<0.01	2.8	0.2	<0.05	11	<0.5	<0.2
102243	Soil	60	12	0.19	81	0.010	<1	1.78	0.006	0.18	0.3	<0.01	1.6	0.3	<0.05	9	<0.5	<0.2
102244	Soil	75	15	0.35	96	0.018	<1	1.93	0.005	0.23	0.4	<0.01	2.0	0.2	<0.05	10	<0.5	<0.2
104411	Soil	70	34	0.75	284	0.156	<1	2.72	0.011	0.60	4.3	0.01	6.5	0.5	<0.05	12	<0.5	<0.2
104412	Soil	90	30	0.74	207	0.197	<1	3.20	0.010	0.73	0.5	0.01	7.4	0.7	<0.05	13	<0.5	<0.2
104413	Soil	105	29	0.72	197	0.210	<1	2.67	0.009	0.62	2.0	0.03	6.8	0.7	<0.05	11	<0.5	<0.2
104414	Soil	49	26	0.55	223	0.140	1	2.07	0.008	0.33	1.8	0.02	4.4	0.4	<0.05	7	<0.5	<0.2
104415	Soil	19	23	0.34	94	0.036	<1	1.38	0.006	0.05	0.5	0.01	2.0	0.2	<0.05	6	<0.5	<0.2
104416	Soil	17	27	0.48	121	0.046	<1	1.89	0.006	0.07	0.4	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
104417	Soil	41	26	0.46	170	0.078	<1	1.93	0.008	0.14	0.5	0.03	4.5	0.4	<0.05	6	<0.5	<0.2
104418	Soil	34	20	0.38	193	0.071	<1	1.43	0.007	0.14	0.7	0.02	3.3	0.3	<0.05	5	<0.5	<0.2
104419	Soil	63	22	0.39	244	0.047	<1	1.65	0.008	0.11	1.6	0.02	3.9	0.3	<0.05	5	<0.5	<0.2
104420	Soil	43	32	0.49	256	0.041	<1	1.82	0.008	0.07	0.4	0.04	4.6	0.2	<0.05	6	<0.5	<0.2

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 Report Date: August 04, 2011

Page: 3 of 11 Part 1

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WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
104421	Soil	1.1	15.9	13.7	65	<0.1	16.9	8.7	462	2.65	8.7	7.7	4.0	14.8	11	0.1	0.5	1.1	39	0.14	0.057
104422	Soil	1.6	15.9	17.7	63	<0.1	20.5	8.0	284	3.04	11.3	3.3	2.2	16.6	10	<0.1	0.7	0.7	52	0.09	0.032
104423	Soil	1.1	15.3	12.4	57	<0.1	18.6	6.9	236	2.52	7.6	3.0	4.7	11.4	11	0.1	0.6	0.5	42	0.11	0.030
104424	Soil	1.1	19.5	13.2	64	<0.1	18.5	8.3	381	2.65	9.0	3.0	4.2	13.9	14	0.2	0.7	0.8	36	0.21	0.068
104425	Soil	1.4	22.3	14.3	60	<0.1	20.5	8.1	288	2.67	9.1	5.8	5.8	15.6	14	<0.1	0.7	0.5	42	0.15	0.039
104426	Soil	1.0	17.0	11.6	54	<0.1	15.8	6.4	259	2.20	7.1	3.3	2.8	9.3	11	0.1	0.4	0.3	37	0.16	0.051
104427	Soil	1.5	20.5	11.7	59	<0.1	23.2	7.9	329	2.44	9.1	4.3	6.3	10.5	16	0.1	0.5	0.5	41	0.22	0.053
104428	Soil	0.9	17.3	11.5	50	<0.1	15.4	6.3	188	2.22	7.8	2.8	1.4	8.6	11	0.1	0.4	0.4	41	0.16	0.045
104429	Soil	1.1	17.2	10.3	56	<0.1	18.5	7.4	223	2.39	8.8	2.9	4.7	8.8	14	<0.1	0.4	0.3	42	0.19	0.049
104430	Soil	1.1	14.7	11.9	51	0.1	16.4	6.2	159	2.39	9.9	2.4	2.2	4.3	10	0.1	0.4	0.3	47	0.14	0.055
104431	Soil	0.8	11.0	8.5	42	<0.1	11.4	6.3	144	1.83	6.1	1.5	2.4	6.4	10	0.1	0.3	0.2	34	0.14	0.042
104432	Soil	0.5	17.8	8.2	37	<0.1	12.9	4.5	75	1.52	5.3	3.6	2.2	0.5	11	0.2	0.3	0.2	24	0.14	0.060
104433	Soil	0.7	15.0	10.0	52	<0.1	15.5	6.6	150	2.11	8.0	2.5	<0.5	6.0	13	<0.1	0.3	0.3	40	0.17	0.045
104434	Soil	0.8	17.5	9.6	57	<0.1	15.2	6.1	145	2.03	7.6	2.5	3.2	4.8	14	0.1	0.3	0.2	36	0.20	0.063
104435	Soil	0.6	17.7	9.7	52	<0.1	15.5	5.6	118	1.95	6.8	2.6	2.8	3.5	13	0.1	0.4	0.2	36	0.18	0.053
104436	Soil	0.7	17.7	9.2	50	<0.1	16.2	6.0	126	1.98	9.0	1.9	1.4	3.9	17	0.1	0.4	0.2	39	0.24	0.052
105402	Soil	1.1	14.9	16.2	77	<0.1	14.6	9.0	364	4.05	6.9	2.2	1.6	20.3	7	<0.1	0.3	0.3	59	0.14	0.068
105403	Soil	0.7	15.7	11.8	64	<0.1	16.0	7.0	328	3.06	6.0	5.8	0.7	35.7	8	<0.1	0.3	0.3	36	0.14	0.065
105404	Soil	0.7	7.8	12.7	51	<0.1	11.2	6.6	389	2.66	6.0	4.1	0.8	16.9	5	<0.1	0.2	0.6	27	0.16	0.082
105405	Soil	0.8	17.5	9.6	58	<0.1	17.3	10.3	399	2.71	6.4	3.7	2.3	17.4	10	<0.1	0.3	0.2	41	0.19	0.059
105406	Soil	0.8	9.5	11.2	51	<0.1	13.2	6.6	299	2.39	6.8	2.6	4.3	12.7	6	<0.1	0.3	0.6	35	0.12	0.053
105407	Soil	0.8	14.0	11.1	52	<0.1	14.9	8.3	357	2.46	7.1	3.0	1.9	17.7	7	<0.1	0.3	0.3	36	0.12	0.054
105408	Soil	0.6	13.2	10.7	46	<0.1	13.3	6.6	324	2.14	6.8	4.5	0.7	16.7	11	<0.1	0.3	0.3	32	0.18	0.055
105409	Soil	1.0	19.5	11.7	50	<0.1	16.2	7.1	252	2.49	10.2	3.3	3.2	11.4	9	<0.1	0.4	0.2	50	0.11	0.039
105410	Soil	0.7	16.9	9.1	54	<0.1	18.9	8.9	325	2.26	8.8	3.1	3.5	11.6	13	<0.1	0.5	0.4	38	0.17	0.057
105411	Soil	1.0	26.5	11.4	59	<0.1	21.8	8.9	374	2.43	7.9	2.1	14.3	9.8	15	0.1	0.6	0.3	46	0.21	0.048
105412	Soil	0.8	11.1	10.1	56	<0.1	12.6	6.8	285	2.53	7.4	4.4	1.7	15.7	7	<0.1	0.3	0.7	42	0.13	0.057
105413	Soil	0.9	15.0	9.5	47	<0.1	14.1	7.2	275	2.19	7.5	4.5	2.7	9.9	11	<0.1	0.4	0.4	40	0.15	0.048
105414	Soil	0.6	17.7	10.2	52	<0.1	13.7	8.1	370	2.25	7.7	5.4	6.3	11.4	13	<0.1	0.4	0.3	35	0.20	0.071
105415	Soil	0.8	18.5	9.2	53	<0.1	15.9	7.8	327	2.39	7.8	2.3	2.8	13.2	13	<0.1	0.4	0.3	41	0.23	0.065

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Project: Burnham
 Report Date: August 04, 2011

Page: 3 of 11 Part 2

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
104421	Soil	34	24	0.39	195	0.051	<1	1.59	0.007	0.10	1.3	0.02	3.3	0.3	<0.05	6	<0.5	<0.2
104422	Soil	20	33	0.44	167	0.043	<1	2.00	0.008	0.07	0.9	0.02	2.8	0.3	<0.05	6	<0.5	<0.2
104423	Soil	21	26	0.42	127	0.047	<1	1.63	0.008	0.06	0.7	0.01	2.4	0.2	<0.05	5	<0.5	<0.2
104424	Soil	25	22	0.39	312	0.055	<1	1.38	0.010	0.10	1.3	0.03	3.5	0.2	<0.05	5	<0.5	<0.2
104425	Soil	28	27	0.41	226	0.059	<1	1.68	0.008	0.08	0.4	0.04	3.5	0.2	<0.05	5	<0.5	<0.2
104426	Soil	19	20	0.31	197	0.043	1	1.23	0.009	0.07	0.4	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
104427	Soil	21	30	0.37	327	0.041	1	1.34	0.009	0.07	0.5	0.04	3.2	0.2	<0.05	5	0.7	<0.2
104428	Soil	20	24	0.34	207	0.041	1	1.35	0.007	0.06	0.4	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
104429	Soil	19	26	0.39	251	0.039	1	1.49	0.008	0.06	0.4	0.04	3.0	0.1	<0.05	5	0.7	<0.2
104430	Soil	17	23	0.32	203	0.033	1	1.46	0.008	0.05	0.4	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
104431	Soil	14	18	0.29	147	0.033	<1	1.17	0.006	0.05	0.2	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
104432	Soil	16	17	0.21	169	0.017	<1	1.11	0.006	0.08	0.2	0.04	0.8	0.1	<0.05	4	<0.5	<0.2
104433	Soil	17	23	0.36	223	0.035	1	1.42	0.008	0.05	0.3	0.04	2.5	0.2	<0.05	4	<0.5	<0.2
104434	Soil	17	22	0.32	208	0.036	<1	1.27	0.007	0.06	0.3	0.05	2.2	0.1	<0.05	4	<0.5	<0.2
104435	Soil	16	22	0.32	202	0.032	<1	1.32	0.007	0.05	0.3	0.04	2.1	0.1	<0.05	4	<0.5	<0.2
104436	Soil	15	22	0.35	226	0.034	<1	1.27	0.009	0.04	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
105402	Soil	23	26	0.56	106	0.108	<1	2.40	0.006	0.51	0.2	0.01	4.1	0.6	<0.05	10	<0.5	<0.2
105403	Soil	65	21	0.43	154	0.065	<1	2.00	0.007	0.25	0.5	<0.01	3.5	0.4	<0.05	8	0.7	<0.2
105404	Soil	23	15	0.26	104	0.024	<1	1.55	0.005	0.15	0.4	0.02	1.7	0.3	<0.05	6	<0.5	<0.2
105405	Soil	34	23	0.48	201	0.100	<1	1.66	0.007	0.22	0.8	<0.01	3.5	0.3	<0.05	6	<0.5	<0.2
105406	Soil	17	20	0.32	100	0.048	<1	1.48	0.006	0.13	0.4	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2
105407	Soil	22	22	0.36	143	0.056	<1	1.79	0.008	0.16	0.4	0.03	2.6	0.4	<0.05	5	<0.5	<0.2
105408	Soil	31	18	0.32	189	0.059	<1	1.27	0.006	0.15	0.3	<0.01	2.9	0.3	<0.05	5	<0.5	<0.2
105409	Soil	24	28	0.37	198	0.043	<1	1.68	0.007	0.07	0.3	0.03	3.7	0.2	<0.05	6	<0.5	<0.2
105410	Soil	22	21	0.39	216	0.057	1	1.33	0.007	0.11	0.4	0.02	3.8	0.2	<0.05	4	<0.5	<0.2
105411	Soil	19	25	0.40	286	0.071	1	1.45	0.009	0.10	0.4	0.04	3.7	0.2	<0.05	5	<0.5	<0.2
105412	Soil	23	22	0.37	124	0.046	<1	1.62	0.007	0.14	0.2	0.02	2.1	0.3	<0.05	6	<0.5	<0.2
105413	Soil	23	22	0.36	196	0.046	<1	1.36	0.007	0.09	0.3	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
105414	Soil	24	20	0.33	208	0.046	<1	1.26	0.008	0.10	0.8	0.03	3.2	0.2	<0.05	4	<0.5	<0.2
105415	Soil	22	22	0.38	251	0.079	1	1.44	0.010	0.18	0.3	0.03	3.2	0.3	<0.05	5	<0.5	<0.2

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Page: 4 of 11 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
105416	Soil	0.7	10.7	11.0	70	<0.1	11.0	6.7	336	3.24	7.8	3.5	<0.5	31.8	7	<0.1	0.2	0.2	40	0.22	0.115
105417	Soil	0.8	14.2	11.7	56	<0.1	15.6	8.5	284	2.45	7.3	1.7	1.8	16.8	9	<0.1	0.3	0.3	38	0.16	0.057
105418	Soil	0.9	28.1	10.9	70	<0.1	23.2	8.2	295	2.65	9.6	1.4	3.7	11.2	19	0.1	0.5	0.2	46	0.26	0.061
105419	Soil	1.0	20.3	14.8	52	<0.1	19.1	8.4	254	2.34	7.5	3.4	2.1	10.4	10	<0.1	0.4	0.3	44	0.13	0.025
105420	Soil	0.9	17.9	11.0	53	<0.1	14.7	7.3	279	2.19	6.4	3.1	1.6	11.0	10	<0.1	0.4	0.3	37	0.15	0.039
105421	Soil	0.7	14.3	11.1	54	<0.1	12.0	4.4	229	2.60	8.1	8.6	2.9	25.8	14	<0.1	0.3	0.2	16	0.34	0.107
105422	Soil	1.5	14.1	28.1	59	<0.1	14.1	6.5	1033	2.86	8.7	10.6	2.6	17.0	14	0.1	0.5	0.3	21	0.26	0.075
105423	Soil	0.5	6.7	7.8	41	<0.1	9.1	4.2	130	1.49	4.6	5.1	2.8	3.7	13	<0.1	0.2	0.2	27	0.32	0.102
108563	Soil	0.8	18.1	13.1	74	<0.1	18.5	9.1	327	3.89	8.0	1.4	4.7	24.5	6	<0.1	0.3	0.2	63	0.07	0.030
108564	Soil	0.8	12.2	11.2	45	<0.1	19.4	7.1	153	2.50	5.4	1.0	1.4	10.6	10	<0.1	0.2	0.7	43	0.12	0.036
108565	Soil	0.8	24.8	17.9	104	<0.1	19.3	11.6	554	5.19	7.4	4.2	1.6	46.8	14	<0.1	0.3	0.8	71	0.20	0.076
108566	Soil	1.0	16.4	13.1	73	<0.1	16.4	9.2	342	3.81	9.2	2.1	1.9	16.5	13	<0.1	0.5	0.4	60	0.17	0.065
108567	Soil	1.0	13.0	10.2	44	<0.1	12.1	6.0	201	2.33	9.8	1.1	2.4	3.2	11	0.1	0.4	0.3	46	0.12	0.045
108568	Soil	1.0	10.5	12.3	58	<0.1	14.7	7.7	273	3.06	10.4	2.5	1.8	12.0	10	<0.1	0.5	0.3	49	0.09	0.043
108569	Soil	0.9	18.3	10.1	79	<0.1	16.4	10.2	355	4.12	6.2	2.9	0.8	30.0	8	<0.1	0.3	0.5	46	0.10	0.043
108570	Soil	0.8	19.3	11.7	60	<0.1	16.4	9.4	348	3.46	7.9	2.2	1.8	26.1	12	<0.1	0.5	0.4	45	0.12	0.037
108571	Soil	0.3	6.5	10.7	70	<0.1	7.0	7.1	343	2.92	4.4	9.8	0.5	50.9	9	<0.1	<0.1	1.0	21	0.24	0.114
108572	Soil	0.9	13.8	11.7	72	<0.1	15.9	9.2	304	3.59	10.2	2.1	<0.5	19.5	9	<0.1	0.5	0.5	52	0.08	0.040
108573	Soil	0.7	15.5	13.3	77	<0.1	15.5	9.1	277	4.08	6.5	1.9	<0.5	25.4	8	<0.1	0.3	0.3	42	0.15	0.084
108574	Soil	0.9	16.6	9.0	72	<0.1	20.0	12.6	452	4.92	8.0	2.1	<0.5	24.6	10	<0.1	0.4	0.2	75	0.21	0.088
108575	Soil	1.7	29.4	31.4	145	<0.1	26.3	18.3	759	6.77	23.3	2.2	<0.5	56.8	11	<0.1	0.3	0.3	81	0.21	0.120
108576	Soil	0.9	10.8	11.8	36	<0.1	6.0	2.6	91	1.43	13.0	8.6	<0.5	23.1	5	<0.1	0.6	0.1	11	0.08	0.038
108577	Soil	1.3	11.9	12.5	52	<0.1	15.9	6.3	220	2.58	8.4	1.2	0.6	18.7	10	<0.1	0.4	0.2	27	0.18	0.110
108578	Soil	0.8	9.3	27.5	43	<0.1	7.6	5.1	368	2.41	4.5	0.8	<0.5	33.9	6	<0.1	0.2	0.2	14	0.14	0.055
108579	Soil	0.7	14.4	24.3	52	<0.1	8.4	5.8	286	2.62	10.1	1.4	4.3	28.5	7	<0.1	0.3	0.6	20	0.10	0.050
108580	Soil	0.4	10.9	17.4	41	<0.1	5.3	4.9	379	1.95	1.9	2.6	<0.5	46.4	11	<0.1	0.1	0.2	10	0.33	0.150
108581	Soil	0.6	14.1	13.0	36	<0.1	13.4	5.8	187	1.95	6.8	1.4	1.0	17.3	8	<0.1	0.4	0.2	26	0.12	0.047
108582	Soil	1.0	27.0	17.7	75	0.1	21.7	9.9	848	2.45	29.0	0.6	<0.5	13.1	431	0.5	0.7	0.3	25	7.94	0.260
108583	Soil	0.8	31.9	6.8	104	<0.1	68.5	16.0	497	3.90	1.1	1.1	<0.5	14.1	13	<0.1	0.1	<0.1	39	0.34	0.057
108584	Soil	0.7	39.6	5.8	80	<0.1	38.5	18.0	1377	4.96	0.7	0.9	1.3	11.4	14	<0.1	<0.1	0.3	13	0.11	0.029

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Project: Burnham
 Report Date: August 04, 2011

Page: 4 of 11 Part 2

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WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
105416	Soil	63	20	0.39	100	0.099	<1	1.90	0.007	0.42	0.4	0.01	2.9	0.7	<0.05	8	<0.5	<0.2
105417	Soil	21	23	0.37	130	0.061	<1	1.63	0.007	0.15	0.3	0.01	2.2	0.3	<0.05	5	<0.5	<0.2
105418	Soil	23	25	0.43	297	0.059	<1	1.44	0.010	0.12	0.4	0.03	3.4	0.2	<0.05	5	<0.5	<0.2
105419	Soil	21	26	0.37	206	0.051	<1	1.58	0.009	0.07	0.2	0.04	3.1	0.2	<0.05	5	<0.5	<0.2
105420	Soil	22	21	0.32	172	0.051	<1	1.27	0.008	0.08	0.2	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
105421	Soil	27	11	0.23	268	0.036	<1	1.18	0.009	0.20	0.7	0.02	2.0	0.4	<0.05	5	<0.5	<0.2
105422	Soil	32	14	0.19	307	0.015	<1	0.89	0.007	0.07	0.3	0.02	2.1	0.1	<0.05	3	<0.5	<0.2
105423	Soil	17	14	0.23	146	0.028	<1	1.01	0.006	0.06	1.3	0.04	1.5	0.1	<0.05	3	<0.5	<0.2
108563	Soil	26	32	0.61	106	0.100	<1	2.59	0.007	0.27	0.2	0.02	4.2	0.3	<0.05	9	<0.5	<0.2
108564	Soil	13	23	0.46	163	0.071	<1	2.41	0.008	0.15	>100	*	2.8	0.2	<0.05	7	<0.5	<0.2
108565	Soil	97	34	0.77	231	0.214	<1	3.03	0.011	0.55	0.1	0.01	7.6	0.6	<0.05	14	<0.5	<0.2
108566	Soil	27	29	0.55	187	0.117	1	2.28	0.008	0.24	0.3	0.02	3.8	0.4	<0.05	10	<0.5	<0.2
108567	Soil	15	23	0.39	165	0.036	<1	1.44	0.007	0.05	0.2	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
108568	Soil	29	28	0.48	160	0.037	<1	2.01	0.008	0.08	0.4	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
108569	Soil	35	26	0.61	145	0.192	<1	2.66	0.009	0.56	1.3	<0.01	4.0	0.9	<0.05	11	<0.5	<0.2
108570	Soil	39	25	0.52	185	0.120	<1	2.02	0.008	0.32	0.2	0.03	4.8	0.4	<0.05	8	<0.5	<0.2
108571	Soil	99	12	0.35	69	0.020	<1	1.80	0.006	0.18	1.2	<0.01	2.4	0.2	<0.05	9	<0.5	<0.2
108572	Soil	23	28	0.54	161	0.132	<1	2.43	0.008	0.33	0.4	0.02	3.3	0.5	<0.05	8	<0.5	<0.2
108573	Soil	23	23	0.52	113	0.053	<1	2.57	0.007	0.32	0.1	0.01	3.1	0.3	<0.05	10	<0.5	<0.2
108574	Soil	22	36	0.90	192	0.371	<1	2.99	0.008	0.93	0.2	<0.01	7.4	0.7	<0.05	13	<0.5	<0.2
108575	Soil	75	42	0.93	135	0.053	<1	3.19	0.007	0.30	0.1	<0.01	7.6	0.2	<0.05	13	<0.5	<0.2
108576	Soil	73	7	0.13	66	0.005	<1	0.73	0.003	0.07	<0.1	<0.01	0.9	0.2	<0.05	3	<0.5	<0.2
108577	Soil	12	17	0.31	104	0.010	<1	1.44	0.005	0.09	0.1	<0.01	1.6	0.2	<0.05	5	<0.5	<0.2
108578	Soil	24	9	0.30	109	0.002	<1	1.51	0.003	0.07	<0.1	<0.01	1.8	0.1	<0.05	4	<0.5	<0.2
108579	Soil	31	12	0.34	122	0.006	<1	1.59	0.005	0.08	<0.1	0.01	2.2	0.1	<0.05	5	<0.5	<0.2
108580	Soil	95	6	0.24	127	0.002	<1	1.19	0.003	0.10	<0.1	<0.01	1.6	0.1	<0.05	3	<0.5	<0.2
108581	Soil	21	17	0.34	128	0.024	<1	1.16	0.005	0.07	0.1	0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
108582	Soil	49	19	0.52	267	0.002	1	1.43	0.004	0.13	0.3	0.05	7.0	0.2	<0.05	3	<0.5	<0.2
108583	Soil	58	71	0.74	164	0.046	<1	1.47	0.005	0.13	<0.1	0.04	9.9	0.2	<0.05	6	<0.5	<0.2
108584	Soil	26	12	0.09	103	<0.001	<1	0.48	0.003	0.04	<0.1	0.03	11.8	0.1	<0.05	1	<0.5	<0.2

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 Report Date: August 04, 2011

Page: 5 of 11 Part 1

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P
		ppm	ppm	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	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
108585	Soil	1.3	72.0	13.0	112	<0.1	103.1	31.9	511	6.00	1.4	1.4	<0.5	16.4	26	<0.1	<0.1	0.4	108	0.41	0.106		
108586	Soil	0.1	39.2	20.4	94	<0.1	52.7	19.6	997	4.72	0.9	0.9	1.8	16.6	115	<0.1	<0.1	0.6	35	1.38	0.063		
108587	Soil	0.3	56.9	9.9	96	<0.1	56.7	22.0	451	4.71	0.9	1.6	0.9	20.2	8	<0.1	0.1	0.4	24	0.05	0.032		
108588	Soil	0.4	34.1	7.5	89	<0.1	35.5	18.3	370	4.69	5.5	0.9	0.6	14.5	13	<0.1	<0.1	0.3	28	0.07	0.043		
108589	Soil	1.2	26.8	10.3	48	<0.1	25.6	10.3	227	3.42	4.5	2.4	0.8	20.3	7	<0.1	0.2	0.2	24	0.05	0.022		
108590	Soil	2.3	31.0	7.8	103	<0.1	53.5	20.7	477	4.30	18.5	2.0	0.8	20.3	6	<0.1	0.2	0.3	19	0.03	0.023		
108591	Soil	0.6	38.0	9.7	109	<0.1	49.3	18.5	385	4.93	5.9	2.8	0.7	20.9	7	<0.1	0.2	0.3	26	0.04	0.018		
108592	Soil	0.7	26.4	15.2	73	<0.1	31.2	10.7	254	3.82	3.4	1.3	0.6	15.5	19	<0.1	0.3	0.4	42	0.21	0.028		
108593	Soil	0.2	26.4	14.2	58	<0.1	31.6	15.3	643	3.39	0.9	0.8	1.9	21.7	71	<0.1	0.2	0.4	20	1.28	0.039		
108594	Soil	0.7	18.6	11.5	59	<0.1	17.0	8.7	309	3.24	10.1	2.8	<0.5	27.2	8	<0.1	0.5	0.3	42	0.12	0.057		
108595	Soil	0.3	19.3	10.8	78	<0.1	14.6	11.1	443	4.91	3.5	7.4	<0.5	52.0	13	<0.1	0.2	0.3	64	0.28	0.124		
108596	Soil	0.5	12.7	15.4	91	<0.1	13.6	13.4	398	5.33	3.7	5.9	<0.5	61.7	10	<0.1	0.2	0.3	55	0.32	0.190		
108597	Soil	0.5	11.0	18.4	91	<0.1	21.1	15.9	689	6.28	2.8	5.0	<0.5	69.9	11	<0.1	0.2	1.1	86	0.40	0.192		
108598	Soil	0.9	17.2	14.8	54	<0.1	14.9	7.0	692	2.37	8.3	1.2	0.7	16.9	8	<0.1	0.5	0.2	38	0.09	0.036		
108599	Soil	0.9	10.8	15.2	55	<0.1	14.1	6.5	226	2.59	8.2	1.3	<0.5	19.0	6	<0.1	0.4	0.3	31	0.07	0.043		
108600	Soil	0.7	8.7	18.7	76	<0.1	8.4	6.0	374	2.92	7.1	2.3	0.9	22.4	7	0.1	0.2	0.6	26	0.17	0.172		
108601	Soil	0.6	5.7	16.1	51	<0.1	7.3	4.1	219	2.69	6.9	3.1	0.8	22.5	4	<0.1	0.2	1.1	17	0.09	0.062		
108602	Soil	1.3	16.9	13.2	64	<0.1	19.9	7.3	216	2.71	12.1	1.2	2.4	12.3	8	<0.1	0.7	0.3	43	0.08	0.031		
108603	Soil	0.9	5.7	14.5	31	<0.1	5.6	3.5	200	1.28	5.0	9.3	1.5	36.4	4	<0.1	0.1	0.8	8	0.24	0.134		
108604	Soil	1.5	3.9	11.7	31	<0.1	2.6	1.3	70	1.90	3.9	9.3	1.0	38.1	7	<0.1	0.1	0.6	10	0.12	0.070		
108605	Soil	1.5	7.2	12.3	33	<0.1	4.5	2.3	55	2.14	5.2	6.6	0.8	40.8	3	<0.1	0.2	0.4	12	0.05	0.064		
108606	Soil	1.4	9.5	13.5	50	<0.1	8.8	4.2	117	2.31	5.8	7.6	0.6	30.6	5	<0.1	0.3	1.2	19	0.07	0.058		
108607	Soil	2.3	6.2	15.1	58	<0.1	8.5	4.4	119	2.26	61.5	11.4	9.6	35.0	6	<0.1	0.5	0.4	15	0.11	0.064		
108608	Soil	0.8	7.0	12.9	54	<0.1	5.3	5.0	219	2.03	4.0	7.1	<0.5	31.5	6	<0.1	0.2	0.3	19	0.19	0.119		
108609	Soil	1.7	5.6	11.4	31	<0.1	7.4	3.5	140	1.78	7.5	5.2	0.9	15.8	6	<0.1	0.3	0.5	27	0.09	0.091		
108610	Soil	0.9	18.1	12.1	55	<0.1	18.7	7.1	222	2.65	14.3	1.3	5.1	9.2	8	<0.1	0.8	0.2	45	0.06	0.033		
108611	Soil	1.4	8.1	14.8	47	<0.1	6.3	3.2	127	2.46	5.7	7.1	4.3	24.2	4	<0.1	0.3	0.5	14	0.10	0.065		
108612	Soil	0.6	5.4	13.0	36	<0.1	5.2	2.5	139	1.71	4.8	2.2	1.1	17.7	7	<0.1	0.3	0.3	22	0.11	0.145		
108613	Soil	0.9	17.9	13.2	51	<0.1	18.6	7.0	196	2.38	9.8	1.5	3.9	16.2	11	<0.1	0.7	0.4	37	0.11	0.036		
108614	Soil	0.8	9.3	18.8	51	<0.1	8.3	4.4	139	2.31	5.8	5.1	1.1	30.7	11	<0.1	0.3	0.5	18	0.12	0.048		

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Page: 5 of 11 Part 2

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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
108585	Soil	71	138	1.63	374	0.074	<1	3.17	0.008	0.22	<0.1	<0.01	8.2	0.1	<0.05	13	<0.5	<0.2
108586	Soil	66	58	0.99	157	0.108	<1	2.51	0.013	0.43	<0.1	0.02	6.8	0.3	<0.05	8	<0.5	<0.2
108587	Soil	54	26	0.18	96	0.002	<1	0.97	0.004	0.06	<0.1	0.04	5.8	0.1	<0.05	4	<0.5	<0.2
108588	Soil	34	17	0.09	57	<0.001	<1	0.47	0.004	0.06	<0.1	0.04	8.6	0.2	<0.05	2	<0.5	<0.2
108589	Soil	48	20	0.18	85	0.014	<1	0.72	0.004	0.12	<0.1	0.02	4.4	0.1	<0.05	2	<0.5	<0.2
108590	Soil	51	15	0.15	70	0.009	<1	0.76	0.003	0.04	0.2	0.01	4.8	0.1	<0.05	2	<0.5	<0.2
108591	Soil	54	27	0.39	104	0.007	<1	1.27	0.004	0.06	<0.1	0.01	4.1	0.2	<0.05	3	<0.5	<0.2
108592	Soil	34	33	0.31	186	0.018	<1	1.24	0.006	0.08	<0.1	0.02	6.5	0.1	<0.05	4	<0.5	<0.2
108593	Soil	59	20	0.34	84	0.023	<1	1.06	0.011	0.15	<0.1	0.01	5.6	0.1	<0.05	3	<0.5	<0.2
108594	Soil	33	24	0.53	149	0.122	<1	1.98	0.007	0.34	0.2	0.01	3.1	0.4	<0.05	7	<0.5	<0.2
108595	Soil	84	29	0.62	121	0.241	<1	2.61	0.009	0.63	0.1	<0.01	6.0	0.4	<0.05	14	<0.5	<0.2
108596	Soil	96	28	0.57	110	0.078	<1	2.56	0.007	0.14	0.2	<0.01	3.8	<0.1	<0.05	13	<0.5	<0.2
108597	Soil	126	43	0.71	156	0.146	<1	3.22	0.009	0.17	<0.1	<0.01	7.7	<0.1	<0.05	15	<0.5	<0.2
108598	Soil	35	22	0.37	120	0.034	<1	1.56	0.009	0.06	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
108599	Soil	28	18	0.34	107	0.014	<1	1.69	0.004	0.07	0.1	<0.01	1.7	0.2	<0.05	5	<0.5	<0.2
108600	Soil	45	15	0.30	93	0.005	1	1.87	0.005	0.10	0.1	0.02	1.6	0.2	<0.05	7	<0.5	<0.2
108601	Soil	13	9	0.24	59	0.003	1	1.91	0.004	0.10	0.1	0.01	1.3	0.2	<0.05	6	<0.5	<0.2
108602	Soil	14	25	0.44	110	0.023	2	2.03	0.005	0.06	0.2	0.02	2.6	0.1	<0.05	6	<0.5	<0.2
108603	Soil	39	6	0.06	49	0.003	<1	0.96	0.004	0.08	0.1	0.01	1.0	0.1	<0.05	2	<0.5	<0.2
108604	Soil	44	5	0.08	68	0.002	<1	1.42	0.004	0.07	0.9	0.02	1.3	0.2	<0.05	4	<0.5	<0.2
108605	Soil	57	9	0.06	50	0.003	1	1.09	0.003	0.08	0.1	0.02	1.2	0.1	<0.05	3	<0.5	<0.2
108606	Soil	63	12	0.15	72	0.005	<1	1.27	0.003	0.07	0.2	0.02	1.5	0.2	<0.05	4	<0.5	<0.2
108607	Soil	73	9	0.16	70	0.005	<1	1.32	0.004	0.09	0.2	<0.01	1.5	0.2	<0.05	5	<0.5	<0.2
108608	Soil	53	10	0.15	76	0.008	<1	1.12	0.005	0.08	0.7	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
108609	Soil	32	14	0.18	88	0.010	1	1.10	0.004	0.08	0.5	0.02	1.0	0.1	<0.05	4	<0.5	<0.2
108610	Soil	16	28	0.42	107	0.046	<1	1.63	0.006	0.06	0.2	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
108611	Soil	33	10	0.11	63	0.007	<1	1.09	0.004	0.08	0.2	<0.01	1.1	0.1	<0.05	3	<0.5	<0.2
108612	Soil	26	9	0.15	132	0.010	<1	1.10	0.004	0.06	0.2	0.01	1.2	0.2	<0.05	6	<0.5	<0.2
108613	Soil	34	24	0.39	126	0.034	<1	1.55	0.005	0.07	0.3	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
108614	Soil	92	11	0.22	128	0.010	<1	1.27	0.006	0.10	0.2	<0.01	1.8	0.1	<0.05	5	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 6 of 11 Part 1

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
108615	Soil	0.9	12.4	14.6	42	<0.1	11.7	5.3	160	1.98	7.2	1.9	1.6	14.8	10	<0.1	0.5	0.3	29	0.10	0.040
108616	Soil	1.0	11.2	18.4	38	<0.1	9.4	5.1	179	1.86	6.7	4.1	0.8	20.0	13	<0.1	0.4	0.5	24	0.13	0.043
108617	Soil	1.2	17.5	14.9	52	<0.1	14.9	7.0	219	2.48	12.4	3.7	1.7	21.4	16	<0.1	0.6	0.3	36	0.25	0.033
108618	Soil	1.0	16.0	12.7	50	<0.1	15.1	7.1	212	2.28	10.0	1.8	2.5	16.4	12	<0.1	0.6	0.4	30	0.19	0.075
108619	Soil	0.6	7.5	20.0	41	<0.1	5.2	3.5	140	1.83	5.8	3.7	0.7	28.1	6	<0.1	0.2	0.4	12	0.13	0.075
108620	Soil	0.7	15.1	17.7	58	<0.1	8.9	5.0	356	2.21	4.8	2.3	1.7	35.5	11	0.2	0.2	0.4	15	0.34	0.145
108621	Soil	1.0	12.7	13.1	45	<0.1	13.3	6.5	173	2.07	7.8	1.7	2.5	14.9	11	0.1	0.4	0.5	31	0.17	0.078
108622	Soil	0.8	12.1	16.7	39	<0.1	8.8	4.4	196	1.60	5.5	3.9	6.5	16.7	13	<0.1	0.3	0.7	24	0.20	0.062
108623	Soil	0.4	11.1	23.9	41	<0.1	4.4	2.2	137	1.34	2.5	8.6	1.6	20.7	15	0.1	0.2	1.4	8	0.31	0.102
112471	Soil	0.8	8.7	8.4	35	0.1	12.3	4.7	126	2.13	7.3	0.6	1.4	7.6	7	<0.1	0.4	0.2	37	0.07	0.058
112472	Soil	0.7	6.0	9.1	46	<0.1	6.3	3.1	207	2.15	4.0	0.6	0.5	2.8	9	<0.1	0.3	0.2	33	0.10	0.110
112473	Soil	0.9	14.8	11.2	52	<0.1	16.4	8.2	240	2.74	9.2	1.0	3.5	11.9	10	<0.1	0.5	0.3	40	0.10	0.039
112474	Soil	0.8	23.0	11.5	49	<0.1	17.7	6.8	227	2.39	9.6	2.2	2.9	16.2	16	<0.1	0.5	0.2	38	0.17	0.030
112475	Soil	1.0	22.2	11.3	47	<0.1	16.9	8.1	260	2.63	9.1	4.0	3.2	22.8	14	<0.1	0.6	0.5	43	0.17	0.047
112476	Soil	0.9	11.9	10.7	49	<0.1	15.4	6.5	210	2.43	7.4	1.6	3.0	26.6	12	<0.1	0.5	0.2	35	0.15	0.045
112477	Soil	0.8	10.4	10.1	46	<0.1	10.8	5.4	185	2.45	5.6	1.7	1.7	18.5	9	<0.1	0.4	0.2	36	0.13	0.044
112478	Soil	1.3	9.2	12.1	43	<0.1	8.8	3.8	144	2.11	7.8	1.7	1.1	10.1	9	<0.1	0.4	0.3	37	0.12	0.049
112479	Soil	1.4	13.4	19.5	58	<0.1	12.6	5.6	200	2.63	7.5	1.9	2.4	12.3	12	<0.1	0.5	0.3	40	0.14	0.051
112480	Soil	1.2	17.5	13.0	59	<0.1	16.6	6.7	244	2.47	8.2	1.9	2.4	11.2	18	<0.1	0.6	0.3	41	0.20	0.047
112481	Soil	0.9	13.8	12.6	49	<0.1	11.6	5.0	179	2.11	6.2	2.7	2.3	11.8	13	<0.1	0.5	0.3	33	0.18	0.058
112482	Soil	1.2	25.1	12.8	64	<0.1	18.9	7.9	240	2.54	8.9	4.8	3.7	13.6	19	0.2	0.7	0.5	45	0.27	0.060
112483	Soil	1.4	18.3	15.6	57	<0.1	16.3	9.2	282	2.59	9.7	5.0	4.3	13.0	17	<0.1	0.4	0.3	48	0.30	0.064
112484	Soil	1.0	13.8	11.5	50	<0.1	13.3	5.6	131	2.05	5.9	3.1	3.2	8.6	19	0.1	0.4	0.3	37	0.33	0.072
112485	Soil	2.2	12.6	14.0	54	0.2	9.1	5.3	232	2.10	5.7	27.0	3.3	17.5	27	0.2	0.4	0.8	21	0.67	0.135
112486	Soil	1.0	14.7	10.2	48	0.1	13.5	6.4	209	1.87	5.6	3.2	6.7	6.2	24	<0.1	0.4	0.2	36	0.47	0.077
112487	Soil	1.1	15.0	10.7	53	0.1	14.9	6.4	147	2.34	7.4	2.8	1.7	5.9	22	<0.1	0.3	0.2	45	0.33	0.078
112488	Soil	0.8	13.1	8.1	48	<0.1	13.4	7.3	224	2.06	7.0	1.5	1.6	9.0	15	<0.1	0.4	0.1	37	0.26	0.077
112489	Soil	1.1	17.0	11.9	69	<0.1	25.0	11.8	317	3.67	11.1	1.4	1.6	13.7	10	0.4	0.8	0.4	59	0.10	0.037
112490	Soil	1.1	16.8	10.9	78	<0.1	25.5	12.2	353	3.90	8.2	1.9	1.7	18.8	9	0.4	0.7	0.4	59	0.14	0.050
112491	Soil	0.6	7.9	14.7	49	<0.1	7.3	5.2	467	2.23	4.2	4.5	<0.5	24.9	4	<0.1	0.2	0.9	14	0.12	0.077

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Project: Burnham
 Report Date: August 04, 2011

Page: 6 of 11 Part 2

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
108615	Soil	24	19	0.30	97	0.029	<1	1.24	0.006	0.08	0.2	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
108616	Soil	43	15	0.24	106	0.016	<1	1.01	0.007	0.07	0.2	0.02	1.9	0.1	<0.05	3	<0.5	<0.2
108617	Soil	49	23	0.35	185	0.036	1	1.53	0.007	0.09	0.2	0.01	2.9	0.1	<0.05	5	<0.5	<0.2
108618	Soil	24	19	0.33	129	0.025	<1	1.34	0.005	0.07	0.2	0.01	2.2	<0.1	<0.05	4	0.6	<0.2
108619	Soil	52	8	0.13	104	0.006	<1	1.10	0.005	0.11	0.2	<0.01	0.9	0.1	<0.05	3	<0.5	<0.2
108620	Soil	23	10	0.18	224	0.011	1	1.19	0.005	0.13	0.2	<0.01	1.8	0.1	<0.05	5	<0.5	<0.2
108621	Soil	19	17	0.26	110	0.027	<1	1.35	0.006	0.10	0.2	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
108622	Soil	36	13	0.23	84	0.030	1	0.95	0.006	0.08	0.2	0.01	1.6	0.1	<0.05	3	<0.5	<0.2
108623	Soil	40	6	0.13	85	0.005	<1	0.93	0.005	0.15	0.7	0.01	1.5	0.2	<0.05	3	<0.5	<0.2
112471	Soil	7	16	0.28	71	0.037	<1	1.63	0.006	0.10	1.2	0.02	1.9	0.1	<0.05	6	<0.5	<0.2
112472	Soil	7	10	0.18	136	0.057	<1	1.42	0.006	0.19	0.3	0.02	1.5	0.6	<0.05	9	<0.5	<0.2
112473	Soil	13	25	0.40	187	0.036	1	1.94	0.007	0.09	0.2	0.01	2.3	0.2	<0.05	6	<0.5	<0.2
112474	Soil	47	24	0.42	194	0.046	<1	1.47	0.008	0.07	0.3	0.03	4.5	0.1	<0.05	5	<0.5	<0.2
112475	Soil	59	24	0.41	244	0.047	1	1.75	0.008	0.08	0.3	0.05	5.4	0.2	<0.05	6	0.6	<0.2
112476	Soil	24	22	0.40	129	0.036	<1	1.62	0.007	0.09	0.3	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
112477	Soil	29	19	0.36	110	0.057	<1	1.60	0.006	0.14	0.3	0.02	2.3	0.3	<0.05	5	<0.5	<0.2
112478	Soil	19	14	0.24	86	0.058	<1	1.24	0.005	0.14	0.3	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
112479	Soil	31	21	0.35	129	0.050	<1	1.62	0.007	0.12	0.2	0.02	2.3	0.2	<0.05	6	0.5	<0.2
112480	Soil	25	23	0.43	230	0.061	1	1.46	0.009	0.08	0.3	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
112481	Soil	30	19	0.35	143	0.052	<1	1.21	0.008	0.08	0.3	0.03	2.5	0.2	<0.05	4	0.5	<0.2
112482	Soil	37	28	0.38	288	0.050	<1	1.54	0.008	0.08	0.4	0.04	4.4	0.1	<0.05	5	<0.5	<0.2
112483	Soil	29	28	0.37	259	0.049	<1	1.57	0.008	0.07	0.5	0.03	4.4	0.1	<0.05	5	<0.5	<0.2
112484	Soil	29	21	0.32	230	0.039	<1	1.42	0.008	0.07	0.5	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
112485	Soil	71	13	0.19	145	0.016	<1	1.18	0.007	0.11	0.7	0.03	2.3	0.2	<0.05	4	0.5	<0.2
112486	Soil	28	20	0.30	280	0.033	<1	1.32	0.009	0.06	0.4	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
112487	Soil	28	22	0.35	285	0.036	<1	1.50	0.009	0.06	0.3	0.04	3.0	0.1	<0.05	5	<0.5	<0.2
112488	Soil	17	21	0.29	174	0.055	<1	1.24	0.008	0.07	0.7	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
112489	Soil	16	32	0.56	206	0.121	1	2.65	0.007	0.21	0.2	0.03	4.0	0.3	<0.05	8	<0.5	<0.2
112490	Soil	19	31	0.65	212	0.154	<1	2.68	0.007	0.30	0.2	0.01	4.7	0.5	<0.05	10	<0.5	<0.2
112491	Soil	33	11	0.15	69	0.005	<1	1.40	0.005	0.09	0.1	<0.01	1.4	0.1	<0.05	3	<0.5	<0.2

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Page: 7 of 11 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
112492	Soil	0.7	14.6	12.1	73	<0.1	14.7	8.5	295	3.76	5.9	1.2	1.3	23.7	7	<0.1	0.3	1.6	42	0.16	0.088
112493	Soil	1.3	17.6	12.1	60	<0.1	22.2	11.9	280	3.39	12.7	0.9	2.0	9.6	10	<0.1	0.7	0.2	71	0.10	0.044
112504	Soil	0.9	10.5	16.3	86	<0.1	11.6	7.4	362	3.97	5.8	5.5	<0.5	26.8	8	0.2	0.3	0.6	55	0.19	0.100
112505	Soil	0.5	11.8	15.6	88	<0.1	10.7	8.3	337	3.97	2.9	7.0	<0.5	47.8	7	<0.1	0.1	0.5	39	0.16	0.089
112506	Soil	1.2	14.7	12.5	69	<0.1	20.9	9.3	226	3.07	9.6	1.5	1.2	11.5	9	0.2	0.6	0.3	56	0.09	0.037
112507	Soil	1.1	10.2	12.9	49	<0.1	12.1	6.8	271	3.06	7.2	1.0	4.0	11.0	13	0.3	0.5	0.4	57	0.16	0.065
112508	Soil	0.9	12.9	9.6	64	<0.1	17.1	9.5	305	3.75	7.2	1.6	1.1	15.3	7	0.3	0.6	0.4	66	0.11	0.032
112509	Soil	1.5	17.7	12.3	65	<0.1	21.8	10.2	397	3.22	10.3	0.8	0.9	9.2	13	<0.1	0.6	0.2	70	0.13	0.051
112510	Soil	0.9	9.4	11.7	53	<0.1	13.4	6.1	204	3.26	8.1	0.7	0.5	8.5	10	<0.1	0.5	0.2	64	0.11	0.120
112511	Soil	0.8	26.0	8.8	52	<0.1	34.2	14.0	245	3.38	5.9	0.8	0.7	6.4	9	<0.1	0.4	0.2	48	0.09	0.024
112512	Soil	0.8	46.8	9.0	92	<0.1	33.1	9.7	212	2.97	7.6	0.9	1.8	9.2	19	0.2	0.6	0.2	84	0.26	0.073
112513	Soil	1.2	46.9	9.6	71	<0.1	51.9	18.8	419	4.61	5.4	2.2	1.0	9.4	19	<0.1	0.1	0.4	41	0.22	0.070
112514	Soil	0.8	12.9	11.9	74	<0.1	11.5	8.1	318	4.22	4.9	2.4	0.9	27.5	10	0.2	0.4	0.4	52	0.19	0.103
112515	Soil	0.5	15.4	11.0	58	<0.1	15.1	10.5	342	3.56	3.7	5.4	3.5	44.2	10	0.1	0.3	0.4	42	0.27	0.120
112516	Soil	0.8	29.0	11.9	52	<0.1	20.9	10.1	342	2.89	7.4	2.4	2.4	13.1	13	0.4	0.8	0.4	57	0.13	0.035
112517	Soil	0.9	14.4	13.5	58	<0.1	19.2	10.8	255	3.25	8.5	1.8	2.8	15.7	10	0.4	1.0	0.4	55	0.11	0.034
112518	Soil	0.7	62.7	13.2	90	<0.1	36.8	16.7	404	5.85	3.1	1.9	2.2	7.9	18	0.2	0.4	0.3	37	0.16	0.065
112519	Soil	0.2	15.0	11.5	65	<0.1	9.6	7.7	240	3.46	1.5	5.1	<0.5	59.9	10	<0.1	0.2	0.7	29	0.24	0.111
112520	Soil	1.1	13.2	12.6	60	<0.1	19.7	9.4	265	3.15	11.8	1.1	1.4	12.2	10	0.2	0.6	0.3	54	0.10	0.066
112521	Soil	0.9	14.1	10.6	58	<0.1	19.4	8.2	219	2.79	9.0	0.9	<0.5	9.7	11	<0.1	0.6	0.2	52	0.10	0.046
112522	Soil	0.9	18.4	12.6	55	<0.1	19.6	8.4	248	2.91	10.7	3.1	3.8	10.8	10	<0.1	0.7	0.2	54	0.09	0.024
112523	Soil	0.4	6.9	8.7	58	<0.1	4.7	3.6	201	2.49	1.9	2.4	<0.5	26.0	7	<0.1	0.2	0.5	15	0.17	0.094
112524	Soil	1.0	17.2	11.1	65	<0.1	19.2	8.3	202	2.72	10.1	1.5	2.8	11.8	10	<0.1	0.7	0.4	51	0.11	0.032
112525	Soil	0.7	12.0	11.1	62	<0.1	12.5	8.6	318	2.99	4.1	6.0	<0.5	34.4	8	0.1	0.3	0.3	34	0.19	0.103
112526	Soil	0.7	13.0	11.6	70	<0.1	13.8	8.3	367	3.37	6.6	3.6	1.1	31.5	11	<0.1	0.4	0.3	44	0.19	0.094
112527	Soil	1.0	12.5	13.6	55	<0.1	17.6	7.8	268	2.96	11.3	1.0	2.0	9.4	11	<0.1	0.7	0.4	54	0.11	0.061
112528	Soil	1.1	12.8	15.6	60	<0.1	16.3	8.7	266	3.31	10.7	1.2	1.1	13.3	8	<0.1	0.7	0.3	52	0.07	0.054
112529	Soil	1.2	10.0	14.0	44	<0.1	12.8	6.1	196	3.12	9.8	0.9	2.0	9.6	8	<0.1	0.5	0.4	61	0.07	0.059
112530	Soil	1.1	7.4	11.0	52	<0.1	8.0	3.9	190	2.45	5.1	1.2	2.8	2.7	10	<0.1	0.3	0.6	36	0.12	0.036
112531	Soil	0.8	16.1	13.9	59	<0.1	21.7	10.3	257	2.91	10.8	1.1	3.7	15.2	14	0.2	0.7	0.4	47	0.12	0.032

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 Report Date: August 04, 2011

Page: 7 of 11 Part 2

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
112492	Soil	20	23	0.43	122	0.065	<1	2.58	0.006	0.34	0.2	<0.01	3.4	0.5	<0.05	10	<0.5	<0.2
112493	Soil	16	36	0.52	182	0.078	<1	2.47	0.007	0.12	0.2	<0.01	3.7	0.2	<0.05	7	<0.5	<0.2
112504	Soil	53	26	0.38	109	0.044	<1	2.39	0.007	0.09	0.1	0.02	3.5	0.2	<0.05	13	<0.5	<0.2
112505	Soil	98	21	0.43	101	0.059	<1	2.28	0.009	0.23	0.1	0.01	3.9	0.3	<0.05	12	<0.5	<0.2
112506	Soil	15	30	0.45	144	0.031	<1	2.32	0.006	0.08	0.2	0.01	3.0	0.2	<0.05	6	<0.5	<0.2
112507	Soil	25	21	0.39	131	0.020	<1	1.93	0.005	0.07	0.1	0.01	2.5	0.1	<0.05	8	<0.5	<0.2
112508	Soil	19	28	0.59	126	0.166	<1	2.69	0.006	0.21	0.2	0.02	4.9	0.3	<0.05	10	<0.5	<0.2
112509	Soil	12	37	0.51	221	0.058	<1	2.46	0.006	0.08	0.2	0.02	3.2	0.1	<0.05	7	<0.5	<0.2
112510	Soil	19	24	0.37	119	0.057	<1	1.94	0.005	0.11	0.2	0.02	2.8	0.2	<0.05	9	<0.5	<0.2
112511	Soil	20	35	0.60	140	0.043	1	2.26	0.006	0.13	0.4	<0.01	3.0	0.2	<0.05	6	<0.5	<0.2
112512	Soil	20	42	0.75	153	0.040	<1	2.36	0.008	0.07	0.2	<0.01	4.0	0.1	<0.05	6	<0.5	<0.2
112513	Soil	29	37	0.69	111	0.022	<1	2.14	0.004	0.24	<0.1	<0.01	6.7	0.3	<0.05	6	<0.5	<0.2
112514	Soil	46	24	0.49	101	0.010	<1	2.59	0.004	0.11	<0.1	0.01	3.1	0.2	<0.05	11	<0.5	<0.2
112515	Soil	71	23	0.45	164	0.090	<1	2.28	0.006	0.19	<0.1	<0.01	4.2	0.2	<0.05	9	<0.5	<0.2
112516	Soil	24	32	0.45	186	0.055	<1	2.22	0.009	0.07	0.4	0.03	5.2	0.2	<0.05	6	<0.5	<0.2
112517	Soil	24	33	0.54	155	0.077	1	2.54	0.006	0.11	0.2	0.01	3.9	0.2	<0.05	7	<0.5	<0.2
112518	Soil	30	40	0.79	127	0.012	<1	2.49	0.006	0.10	<0.1	0.01	6.5	0.2	<0.05	7	<0.5	<0.2
112519	Soil	81	13	0.35	122	0.085	<1	2.08	0.007	0.36	0.5	<0.01	4.7	0.5	<0.05	11	<0.5	<0.2
112520	Soil	16	28	0.43	136	0.048	<1	2.18	0.007	0.09	0.3	0.02	2.7	0.1	<0.05	7	<0.5	<0.2
112521	Soil	15	26	0.43	134	0.057	<1	1.99	0.006	0.11	0.2	<0.01	2.5	0.2	<0.05	7	<0.5	<0.2
112522	Soil	30	32	0.47	155	0.056	<1	1.94	0.006	0.07	0.2	0.02	5.0	0.1	<0.05	5	<0.5	<0.2
112523	Soil	35	6	0.20	69	0.044	<1	1.71	0.006	0.32	0.4	<0.01	2.0	0.4	<0.05	8	<0.5	<0.2
112524	Soil	20	27	0.43	121	0.066	<1	2.02	0.006	0.12	0.2	0.02	2.8	0.3	<0.05	6	<0.5	<0.2
112525	Soil	47	18	0.31	116	0.068	<1	1.95	0.007	0.20	<0.1	<0.01	2.7	0.2	<0.05	9	<0.5	<0.2
112526	Soil	53	22	0.40	157	0.104	<1	2.30	0.007	0.41	0.3	0.01	3.2	0.6	<0.05	10	<0.5	<0.2
112527	Soil	12	27	0.40	159	0.057	2	1.94	0.005	0.11	0.2	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
112528	Soil	14	27	0.42	114	0.031	<1	2.19	0.006	0.09	0.2	0.02	2.1	0.1	<0.05	7	<0.5	<0.2
112529	Soil	15	24	0.38	115	0.037	1	1.98	0.005	0.07	0.3	0.02	2.0	0.1	<0.05	7	<0.5	<0.2
112530	Soil	13	13	0.31	94	0.018	<1	1.41	0.005	0.07	1.2	0.01	1.1	0.2	<0.05	7	<0.5	<0.2
112531	Soil	20	26	0.45	215	0.037	1	1.89	0.007	0.05	0.6	0.02	2.0	0.1	<0.05	5	<0.5	<0.2

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Page: 8 of 11 Part 1

CERTIFICATE OF ANALYSIS

WHI11000622.1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
112532	Soil	0.6	7.5	7.0	69	<0.1	10.9	8.0	416	4.06	5.6	5.0	0.6	41.8	9	<0.1	0.3	0.7	36	0.20	0.138
112533	Soil	0.7	13.2	19.0	68	<0.1	15.1	9.7	343	3.87	15.8	2.5	1.1	33.6	10	<0.1	0.5	0.6	47	0.17	0.092
112534	Soil	0.6	8.7	12.6	61	<0.1	13.7	9.8	279	4.62	5.2	7.8	0.5	52.8	9	<0.1	0.3	5.7	43	0.13	0.087
112535	Soil	0.8	13.1	10.8	60	<0.1	14.6	9.7	381	3.13	8.4	2.3	3.6	14.3	8	<0.1	0.4	0.3	46	0.12	0.062
112536	Soil	0.9	10.1	14.2	71	<0.1	9.9	5.7	275	2.96	5.3	2.4	<0.5	24.0	6	<0.1	0.3	0.8	32	0.08	0.059
112537	Soil	0.7	21.0	14.3	62	<0.1	18.9	9.3	295	3.13	9.2	1.7	3.1	22.4	12	<0.1	0.7	0.4	41	0.10	0.032
112538	Soil	1.3	11.7	17.3	62	<0.1	13.4	7.3	313	3.31	10.0	3.9	0.5	24.4	9	<0.1	0.5	0.3	41	0.11	0.087
112539	Soil	0.5	12.7	19.7	90	<0.1	13.6	9.1	421	4.39	5.0	3.3	<0.5	40.1	7	<0.1	0.2	0.5	53	0.14	0.100
112540	Soil	0.5	10.5	20.3	89	<0.1	13.0	9.8	478	4.49	3.3	3.9	<0.5	44.1	10	<0.1	0.2	0.5	51	0.20	0.108
112541	Soil	1.0	14.0	14.6	64	<0.1	20.6	10.0	300	3.31	13.1	0.7	1.4	10.7	8	<0.1	0.8	0.3	52	0.07	0.041
112542	Soil	0.8	11.4	19.2	97	<0.1	17.3	10.3	358	4.91	6.7	2.6	0.6	34.1	8	<0.1	0.4	1.1	66	0.16	0.075
112543	Soil	1.8	18.0	15.7	65	<0.1	18.4	11.9	533	3.28	11.6	1.6	2.9	7.0	12	0.1	0.8	0.4	67	0.09	0.051
112544	Soil	0.9	8.5	15.9	94	<0.1	13.5	9.4	423	4.67	7.4	3.5	0.6	35.9	10	<0.1	0.4	0.4	54	0.22	0.150
112545	Soil	1.1	9.2	11.6	45	<0.1	11.5	5.8	243	2.62	7.8	1.3	0.6	7.5	8	<0.1	0.5	0.5	46	0.07	0.027
112546	Soil	0.9	28.9	12.1	62	<0.1	24.2	9.5	456	2.69	11.4	2.0	3.2	6.1	21	<0.1	0.9	0.2	48	0.20	0.046
112547	Soil	0.9	19.7	11.6	63	<0.1	20.3	8.8	285	2.89	9.0	1.7	2.8	11.1	16	<0.1	0.6	0.2	52	0.17	0.055
112548	Soil	1.3	10.8	12.3	54	<0.1	21.0	10.6	306	3.32	11.1	0.8	1.2	7.5	10	<0.1	0.5	0.5	60	0.12	0.083
112549	Soil	1.5	12.7	15.8	92	<0.1	15.2	9.5	442	5.02	10.4	1.6	<0.5	20.8	10	<0.1	0.6	0.3	87	0.10	0.061
112550	Soil	1.2	10.1	12.7	60	<0.1	12.6	6.2	270	3.95	8.1	0.8	<0.5	10.2	7	<0.1	0.6	0.3	61	0.05	0.033
112551	Soil	0.8	9.1	10.5	56	<0.1	7.0	4.5	273	3.54	4.6	5.9	<0.5	21.9	8	<0.1	0.2	4.1	39	0.14	0.090
112552	Soil	0.8	14.6	12.3	59	<0.1	18.7	9.8	336	2.96	10.0	2.6	1.9	16.0	10	<0.1	0.8	0.3	48	0.08	0.037
112553	Soil	0.7	11.7	16.1	72	<0.1	17.6	9.9	301	3.35	6.1	2.0	1.3	21.5	8	0.1	0.4	0.7	38	0.10	0.045
112554	Soil	1.0	21.9	13.1	66	<0.1	23.4	11.6	426	3.07	9.8	2.7	2.2	11.5	19	<0.1	0.7	0.3	50	0.15	0.033
112555	Soil	0.9	24.4	12.5	61	<0.1	22.3	9.3	346	2.77	10.7	2.3	3.3	10.5	15	<0.1	0.7	0.3	48	0.14	0.034
115538	Soil	1.5	12.2	13.9	70	<0.1	15.1	9.4	509	4.43	12.0	0.9	1.6	10.4	10	0.1	0.7	0.3	80	0.08	0.068
115539	Soil	1.5	14.3	14.7	85	<0.1	17.3	18.3	678	4.57	8.1	2.1	0.8	19.0	9	<0.1	0.5	0.3	79	0.14	0.082
115540	Soil	1.0	16.8	13.1	67	<0.1	19.3	8.8	279	3.30	10.0	1.8	1.6	14.8	11	<0.1	0.7	0.3	60	0.08	0.031
115541	Soil	1.0	26.0	10.5	72	<0.1	23.9	8.7	378	2.50	9.7	1.1	3.0	7.5	23	0.2	0.9	0.2	43	0.26	0.074
115542	Soil	1.3	17.7	13.1	63	<0.1	20.2	12.7	400	3.04	12.1	2.7	2.2	11.0	11	0.1	0.7	0.9	50	0.08	0.032
115543	Soil	0.7	11.3	10.3	65	<0.1	15.5	7.1	255	2.86	7.5	2.6	1.1	23.6	9	<0.1	0.5	0.4	40	0.08	0.034

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Page: 8 of 11 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
112532	Soil	61	17	0.40	113	0.140	<1	2.38	0.007	0.54	0.8	<0.01	2.8	0.7	<0.05	11	<0.5	<0.2
112533	Soil	52	27	0.50	131	0.036	1	2.34	0.007	0.16	0.3	0.02	3.4	0.1	<0.05	10	<0.5	<0.2
112534	Soil	173	19	0.51	110	0.093	<1	2.63	0.006	0.32	0.1	0.01	4.2	0.3	<0.05	14	<0.5	<0.2
112535	Soil	24	26	0.50	134	0.147	<1	2.05	0.007	0.39	0.2	0.01	3.4	0.5	<0.05	8	0.6	<0.2
112536	Soil	31	17	0.33	90	0.010	<1	1.71	0.004	0.08	0.2	0.01	1.7	0.2	<0.05	7	<0.5	<0.2
112537	Soil	33	25	0.46	168	0.041	<1	2.07	0.006	0.12	0.2	0.03	3.0	0.3	<0.05	6	<0.5	<0.2
112538	Soil	35	21	0.37	95	0.008	<1	2.07	0.005	0.08	0.2	0.02	1.8	0.2	<0.05	7	<0.5	<0.2
112539	Soil	58	29	0.55	102	0.023	<1	2.65	0.006	0.20	0.2	<0.01	3.1	0.2	<0.05	13	<0.5	<0.2
112540	Soil	75	27	0.55	118	0.037	<1	2.66	0.007	0.28	0.2	0.01	3.7	0.3	<0.05	13	<0.5	<0.2
112541	Soil	15	28	0.45	125	0.042	2	2.01	0.005	0.09	0.3	0.03	2.1	0.2	<0.05	6	0.5	<0.2
112542	Soil	31	33	0.65	137	0.077	<1	3.02	0.007	0.35	0.6	0.01	4.6	0.6	<0.05	15	<0.5	<0.2
112543	Soil	16	38	0.47	165	0.069	1	2.39	0.009	0.06	0.3	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
112544	Soil	71	27	0.53	104	0.024	<1	2.37	0.006	0.15	0.1	<0.01	3.1	0.2	<0.05	11	0.6	<0.2
112545	Soil	13	21	0.36	115	0.037	<1	1.71	0.005	0.07	0.4	0.03	1.8	0.2	<0.05	6	<0.5	<0.2
112546	Soil	22	29	0.46	374	0.049	1	1.51	0.008	0.05	0.5	0.06	3.9	<0.1	<0.05	5	0.6	<0.2
112547	Soil	28	27	0.53	167	0.083	<1	1.87	0.011	0.14	1.2	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
112548	Soil	12	29	0.53	117	0.083	<1	2.76	0.006	0.14	19.1	0.02	2.9	0.2	<0.05	8	<0.5	<0.2
112549	Soil	14	33	0.63	125	0.132	<1	2.81	0.007	0.30	0.2	0.02	4.2	0.4	<0.05	13	<0.5	<0.2
112550	Soil	11	27	0.52	96	0.090	<1	2.07	0.005	0.18	0.4	0.03	2.7	0.3	<0.05	10	0.5	<0.2
112551	Soil	51	14	0.34	80	0.100	<1	1.87	0.007	0.33	4.1	0.02	2.6	0.6	<0.05	11	<0.5	<0.2
112552	Soil	29	28	0.47	158	0.073	1	2.24	0.006	0.14	0.8	0.04	2.9	0.3	<0.05	6	0.5	<0.2
112553	Soil	23	21	0.44	168	0.105	<1	2.41	0.007	0.30	2.5	0.02	2.9	0.6	<0.05	8	<0.5	<0.2
112554	Soil	36	28	0.55	274	0.073	<1	2.04	0.008	0.13	0.3	0.04	4.4	0.2	<0.05	6	0.5	<0.2
112555	Soil	32	28	0.48	249	0.054	<1	1.69	0.008	0.07	0.3	0.04	4.1	0.2	<0.05	6	<0.5	<0.2
115538	Soil	12	30	0.52	124	0.166	1	2.24	0.007	0.30	0.3	0.03	3.7	0.4	<0.05	10	<0.5	<0.2
115539	Soil	19	34	0.64	187	0.171	1	3.10	0.008	0.36	0.4	0.03	4.9	0.5	<0.05	12	0.6	<0.2
115540	Soil	25	30	0.50	161	0.087	1	2.20	0.008	0.12	0.2	0.02	3.4	0.2	<0.05	8	<0.5	<0.2
115541	Soil	21	25	0.47	243	0.066	2	1.24	0.010	0.07	0.3	0.03	3.1	0.1	<0.05	4	<0.5	<0.2
115542	Soil	19	30	0.46	173	0.047	1	2.13	0.007	0.08	0.2	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
115543	Soil	34	24	0.47	103	0.059	<1	1.96	0.006	0.20	0.4	0.02	2.6	0.3	<0.05	7	0.7	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 9 of 11 Part 1

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P
		ppm	ppm	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	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
115544	Soil	0.8	12.9	12.0	65	<0.1	16.3	9.4	280	3.48	7.4	1.7	0.7	17.4	6	<0.1	0.4	0.3	46	0.08	0.033		
115545	Soil	1.4	13.6	12.8	57	<0.1	15.1	8.5	265	3.65	10.7	0.9	<0.5	8.9	8	<0.1	0.7	0.3	55	0.08	0.057		
115546	Soil	0.8	22.4	13.2	53	<0.1	18.1	7.5	174	2.48	12.7	1.9	2.8	13.3	9	<0.1	0.7	0.8	38	0.06	0.017		
115547	Soil	0.6	13.2	11.2	58	<0.1	12.4	6.5	171	2.99	5.6	3.7	<0.5	33.0	7	<0.1	0.3	0.6	27	0.14	0.075		
115548	Soil	0.7	18.2	17.8	76	<0.1	8.8	7.2	498	3.97	3.4	11.8	<0.5	58.2	8	<0.1	0.1	0.8	25	0.22	0.129		
115549	Soil	1.5	25.0	14.1	114	<0.1	24.7	16.4	524	6.24	25.5	4.1	<0.5	85.6	9	<0.1	0.2	0.3	101	0.17	0.056		
115550	Soil	1.0	9.7	10.4	51	<0.1	15.0	7.6	219	3.17	7.2	2.0	<0.5	24.7	7	<0.1	0.4	0.2	42	0.12	0.065		
115551	Soil	0.8	12.6	19.0	96	<0.1	8.9	9.1	407	3.82	4.1	5.8	<0.5	61.6	9	<0.1	0.1	0.3	26	0.25	0.136		
115552	Soil	0.2	8.8	5.3	183	0.1	29.4	15.3	1815	4.50	1.5	0.5	1.4	1.7	31	0.1	0.1	0.7	22	1.01	0.112		
115553	Soil	0.6	16.4	17.6	88	<0.1	12.2	10.1	626	4.25	4.6	5.4	<0.5	45.5	13	<0.1	0.3	0.3	37	0.33	0.160		
115554	Soil	0.6	14.0	16.8	100	<0.1	13.8	9.6	468	4.76	12.3	3.5	<0.5	47.7	6	<0.1	0.2	0.3	44	0.24	0.140		
115555	Soil	0.6	32.7	10.5	84	<0.1	90.4	23.9	349	5.23	6.5	0.7	<0.5	10.7	8	<0.1	0.1	0.3	87	0.14	0.049		
115556	Soil	0.7	11.2	12.6	69	<0.1	8.4	6.4	272	3.25	4.1	2.1	<0.5	45.2	10	<0.1	0.2	0.2	19	0.22	0.100		
117554	Soil	0.6	9.6	10.6	60	<0.1	11.6	6.5	230	3.36	6.7	1.8	<0.5	19.6	7	<0.1	0.2	0.5	35	0.08	0.053		
117555	Soil	0.9	25.0	10.6	57	<0.1	22.2	8.8	215	2.59	10.8	1.1	2.4	9.3	9	<0.1	0.8	0.2	45	0.08	0.019		
117556	Soil	0.7	21.8	12.8	66	<0.1	16.5	7.2	249	2.94	6.5	3.8	0.8	27.7	8	<0.1	0.4	1.0	35	0.11	0.042		
117557	Soil	0.3	14.9	21.2	94	<0.1	12.0	8.9	391	4.96	4.4	11.6	1.0	58.7	7	<0.1	0.1	0.4	39	0.33	0.220		
117558	Soil	0.4	7.1	16.4	70	<0.1	10.6	7.6	347	3.73	3.3	5.9	<0.5	42.3	5	<0.1	0.1	0.8	31	0.25	0.131		
117559	Soil	0.4	14.1	13.7	78	<0.1	8.3	6.6	343	3.50	1.9	9.2	<0.5	51.7	11	<0.1	0.1	0.3	24	0.22	0.100		
117560	Soil	1.0	16.0	9.0	55	<0.1	19.0	8.9	210	3.02	14.5	0.6	0.7	6.4	8	<0.1	0.7	0.2	51	0.08	0.039		
117561	Soil	0.5	10.9	8.5	68	<0.1	18.5	14.1	528	5.62	2.2	3.1	<0.5	40.4	8	<0.1	<0.1	0.2	88	0.23	0.096		
117562	Soil	0.3	5.1	13.4	63	<0.1	10.4	9.6	317	3.84	2.1	3.2	<0.5	56.4	9	<0.1	0.1	0.2	36	0.23	0.102		
117563	Soil	0.3	10.4	16.5	68	<0.1	7.2	6.8	469	3.32	2.2	4.3	0.9	57.7	12	<0.1	0.1	0.3	27	0.28	0.117		
117564	Soil	0.5	3.1	18.2	82	<0.1	4.2	5.1	403	2.51	4.4	4.7	1.3	37.7	6	0.1	0.2	0.4	7	0.25	0.140		
117565	Soil	0.6	44.5	7.5	74	<0.1	59.9	26.6	430	4.51	2.6	0.9	<0.5	5.7	6	<0.1	0.2	0.5	32	0.09	0.058		
117566	Soil	1.4	64.9	9.6	85	<0.1	141.2	27.8	326	5.32	7.6	1.6	<0.5	11.5	10	<0.1	0.3	0.3	128	0.27	0.117		
117567	Soil	0.4	7.3	10.8	67	<0.1	7.6	6.0	331	3.43	4.6	4.9	0.7	45.1	7	<0.1	0.1	0.3	21	0.24	0.155		
117568	Soil	0.4	16.3	12.8	94	<0.1	17.5	12.5	470	5.35	5.0	2.7	<0.5	48.2	10	<0.1	0.1	0.4	80	0.33	0.155		
117569	Soil	0.4	7.7	13.3	56	<0.1	10.5	11.7	444	3.77	3.2	5.2	<0.5	51.8	12	<0.1	<0.1	0.5	27	0.34	0.192		
117570	Soil	0.1	6.8	9.1	87	<0.1	36.7	12.8	470	5.46	2.9	11.3	1.4	131.1	27	<0.1	<0.1	0.6	51	0.85	0.311		

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Project: Burnham
 Report Date: August 04, 2011

Page: 9 of 11 Part 2

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
115544	Soil	14	26	0.52	140	0.086	<1	2.35	0.006	0.29	1.1	0.02	3.8	0.5	<0.05	9	0.6	<0.2
115545	Soil	13	30	0.42	133	0.063	1	2.22	0.006	0.14	0.3	0.01	2.6	0.2	<0.05	7	0.5	<0.2
115546	Soil	21	26	0.39	152	0.034	<1	1.81	0.007	0.07	0.3	0.02	3.2	0.2	<0.05	5	<0.5	<0.2
115547	Soil	43	17	0.34	88	0.034	<1	1.81	0.013	0.19	1.2	<0.01	3.1	0.3	<0.05	7	<0.5	<0.2
115548	Soil	141	16	0.31	98	0.021	<1	2.15	0.009	0.25	0.6	<0.01	3.3	0.3	<0.05	10	0.6	<0.2
115549	Soil	50	52	0.93	182	0.440	<1	3.45	0.013	1.24	0.2	<0.01	13.7	0.7	<0.05	18	<0.5	<0.2
115550	Soil	37	25	0.72	145	0.070	<1	2.30	0.009	0.27	0.2	0.01	4.9	0.3	<0.05	8	0.5	<0.2
115551	Soil	110	14	0.28	120	0.023	<1	1.63	0.006	0.24	0.4	<0.01	4.6	0.2	<0.05	8	<0.5	<0.2
115552	Soil	6	24	1.10	109	0.016	<1	1.19	0.003	<0.01	0.4	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
115553	Soil	78	21	0.40	154	0.015	<1	1.80	0.006	0.19	<0.1	0.02	4.4	0.1	<0.05	9	<0.5	<0.2
115554	Soil	114	25	0.48	166	0.016	<1	2.33	0.010	0.22	<0.1	0.01	4.5	0.2	<0.05	13	0.7	<0.2
115555	Soil	11	145	2.43	156	0.145	1	4.23	0.008	0.41	0.2	<0.01	6.8	0.2	<0.05	15	<0.5	<0.2
115556	Soil	71	15	0.35	116	0.023	<1	2.18	0.006	0.20	<0.1	<0.01	2.8	0.3	<0.05	9	<0.5	<0.2
117554	Soil	17	17	0.36	117	0.038	<1	2.18	0.008	0.19	0.2	0.02	2.6	0.4	<0.05	10	0.6	<0.2
117555	Soil	15	31	0.47	131	0.061	<1	1.91	0.009	0.06	0.2	0.02	3.1	0.1	<0.05	5	0.6	<0.2
117556	Soil	41	25	0.42	109	0.047	1	1.91	0.008	0.10	0.3	0.02	3.1	0.1	<0.05	8	0.7	<0.2
117557	Soil	85	23	0.52	85	0.038	<1	3.05	0.010	0.17	0.3	0.02	3.3	0.2	<0.05	15	0.8	<0.2
117558	Soil	62	20	0.40	70	0.055	<1	2.08	0.011	0.11	0.2	<0.01	3.2	0.1	<0.05	12	<0.5	<0.2
117559	Soil	99	13	0.36	72	0.005	<1	2.05	0.005	0.12	0.1	<0.01	4.2	0.2	<0.05	9	0.8	<0.2
117560	Soil	11	27	0.48	116	0.078	<1	1.82	0.006	0.15	0.2	0.01	3.0	0.2	<0.05	6	<0.5	<0.2
117561	Soil	57	41	1.51	224	0.398	<1	3.89	0.009	1.11	0.2	<0.01	12.4	0.6	<0.05	18	<0.5	<0.2
117562	Soil	84	25	0.69	88	0.020	<1	2.49	0.006	0.16	0.5	<0.01	3.7	0.2	<0.05	12	<0.5	<0.2
117563	Soil	103	14	0.38	118	0.032	<1	1.87	0.006	0.24	0.1	<0.01	3.8	0.2	<0.05	11	0.6	<0.2
117564	Soil	38	5	0.16	52	0.002	<1	1.21	0.007	0.07	0.4	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
117565	Soil	17	35	0.66	122	0.012	<1	2.10	0.007	0.16	1.1	<0.01	3.1	0.2	<0.05	5	<0.5	<0.2
117566	Soil	28	249	2.31	265	0.203	<1	3.83	0.018	1.03	0.1	<0.01	10.9	0.6	<0.05	14	0.5	<0.2
117567	Soil	65	13	0.32	115	0.103	<1	2.20	0.008	0.45	0.2	<0.01	3.0	0.5	<0.05	11	0.5	<0.2
117568	Soil	33	37	0.75	138	0.227	<1	3.16	0.010	0.68	0.2	<0.01	9.5	0.7	<0.05	16	<0.5	<0.2
117569	Soil	94	16	0.43	98	0.022	<1	2.36	0.007	0.22	0.1	<0.01	2.8	0.2	<0.05	10	0.7	<0.2
117570	Soil	211	24	0.78	132	0.089	<1	2.89	0.005	0.78	0.3	0.01	11.1	0.6	<0.05	17	0.7	<0.2

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Page: 10 of 11 Part 1

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	2	0.01	0.001	
117571	Soil		0.9	14.8	12.8	71	<0.1	18.6	9.7	224	4.34	10.8	2.0	1.3	27.4	8	<0.1	0.5	0.3	51	0.10	0.059
117572	Soil		0.5	12.0	12.1	74	<0.1	10.6	7.8	366	3.72	5.1	8.4	1.5	57.2	10	<0.1	0.2	0.3	37	0.29	0.142
117573	Soil		0.5	11.4	16.6	94	<0.1	13.4	8.9	400	4.69	7.1	11.6	1.0	72.4	13	<0.1	0.3	0.4	48	0.31	0.169
118593	Soil		0.6	6.0	12.2	44	<0.1	8.6	4.9	210	2.49	5.0	1.8	1.2	22.7	5	<0.1	0.2	0.3	26	0.12	0.052
118594	Soil		1.1	10.1	14.8	34	<0.1	10.5	4.4	164	3.13	11.3	1.6	2.8	5.5	9	<0.1	0.5	0.3	62	0.07	0.036
118595	Soil		1.0	11.6	15.0	62	<0.1	18.5	9.9	252	3.42	9.8	1.7	3.5	21.4	9	0.1	0.4	0.3	45	0.08	0.035
118596	Soil		0.7	13.5	11.8	48	<0.1	16.7	7.6	189	2.72	10.6	0.9	2.6	9.4	9	<0.1	0.5	0.3	47	0.08	0.020
118597	Soil		0.6	26.4	14.4	59	<0.1	23.1	9.9	264	2.71	11.3	1.7	4.8	13.2	11	<0.1	0.6	0.4	44	0.10	0.038
118598	Soil		0.5	14.8	10.9	38	<0.1	12.7	5.2	141	1.92	6.5	2.3	2.2	6.3	13	<0.1	0.3	0.2	36	0.15	0.050
118599	Soil		1.1	36.5	19.5	75	<0.1	28.6	12.4	344	3.42	12.9	1.8	2.2	39.5	10	<0.1	0.9	0.3	49	0.11	0.037
118600	Soil		1.3	17.2	15.4	67	<0.1	20.5	9.9	292	3.49	12.9	0.8	2.3	9.6	11	0.1	0.7	0.3	66	0.11	0.041
118601	Soil		1.0	46.1	17.5	76	<0.1	41.0	24.0	346	4.87	9.0	3.3	2.4	6.2	18	<0.1	0.5	0.3	50	0.12	0.073
118602	Soil		1.0	18.5	12.8	72	<0.1	28.2	13.4	297	3.41	12.0	0.9	1.6	13.1	11	<0.1	0.7	0.3	58	0.10	0.041
118603	Soil		1.4	12.4	12.8	58	<0.1	16.3	8.2	226	3.43	12.0	1.0	1.4	10.1	8	<0.1	0.6	0.2	65	0.07	0.032
118604	Soil		0.7	16.2	18.0	85	<0.1	16.6	11.1	394	4.28	6.5	3.3	<0.5	45.2	8	0.1	0.4	0.3	43	0.22	0.127
118605	Soil		0.4	14.0	13.1	73	<0.1	13.8	10.0	322	4.15	6.1	1.6	1.1	29.2	7	<0.1	0.2	0.7	43	0.18	0.092
118606	Soil		0.7	33.2	8.5	64	<0.1	40.0	19.6	296	4.43	7.7	1.9	5.1	8.0	7	<0.1	0.3	0.3	46	0.13	0.059
118607	Soil		0.5	28.3	14.6	168	<0.1	81.2	20.9	723	6.81	7.4	1.0	<0.5	14.8	8	0.1	0.2	1.3	92	0.16	0.056
118608	Soil		0.9	21.5	11.4	65	<0.1	23.6	10.9	170	3.45	11.7	0.5	2.5	3.9	12	0.1	0.6	0.3	39	0.12	0.036
118609	Soil		1.5	12.8	14.2	61	<0.1	20.5	9.4	227	3.32	16.8	0.7	5.8	6.7	7	0.1	0.6	0.4	38	0.05	0.052
118610	Soil		0.9	17.4	14.1	53	<0.1	17.1	7.5	201	3.25	11.0	1.1	1.6	10.6	8	<0.1	0.6	0.3	44	0.07	0.029
118611	Soil		1.0	8.4	10.3	50	<0.1	11.9	7.2	225	3.86	7.7	1.7	3.4	27.5	5	<0.1	0.4	0.4	38	0.07	0.064
118612	Soil		0.6	9.0	15.7	61	<0.1	11.0	8.3	327	4.85	3.2	2.3	1.4	48.5	4	<0.1	0.2	0.4	40	0.12	0.085
118613	Soil		0.6	11.8	7.8	51	<0.1	14.9	9.9	362	4.91	6.5	2.2	3.6	19.1	7	<0.1	0.3	0.2	45	0.13	0.057
118614	Soil		0.4	8.4	25.0	80	<0.1	13.8	12.1	488	6.50	4.7	4.6	<0.5	75.9	6	<0.1	0.2	0.4	53	0.24	0.138
118615	Soil		0.7	13.4	12.9	55	<0.1	8.5	6.6	257	4.51	4.9	5.6	<0.5	57.0	12	<0.1	0.2	0.7	31	0.29	0.128
118616	Soil		0.6	15.3	11.4	52	<0.1	14.0	6.8	218	3.71	8.2	2.0	3.5	29.0	9	<0.1	0.5	0.5	39	0.13	0.042
115557	Soil		0.5	71.5	15.9	101	<0.1	83.7	25.7	644	6.34	14.1	19.7	4.4	16.6	12	<0.1	0.1	0.4	56	0.35	0.072
115558	Soil		1.3	57.2	12.3	91	<0.1	48.6	24.8	361	6.35	3.8	1.2	0.5	5.6	11	<0.1	0.2	0.3	24	0.32	0.135
115559	Soil		1.4	5.7	15.2	48	<0.1	6.0	3.1	287	1.86	4.8	6.5	2.8	41.9	5	<0.1	0.2	0.2	13	0.15	0.173

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Project: Burnham
 Report Date: August 04, 2011

Page: 10 of 11 Part 2

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.01	0.05	1	0.5	0.2
117571	Soil	25	25	0.65	112	0.058	<1	2.86	0.005	0.27	0.2	0.01	3.1	0.3	<0.05	11	0.6	<0.2
117572	Soil	78	19	0.42	117	0.220	<1	2.36	0.009	0.88	0.9	<0.01	4.3	1.1	<0.05	12	<0.5	<0.2
117573	Soil	103	21	0.50	119	0.216	<1	2.82	0.010	0.86	0.2	<0.01	5.2	1.1	<0.05	15	<0.5	<0.2
118593	Soil	22	13	0.24	86	0.007	<1	1.35	0.004	0.06	0.2	<0.01	1.6	0.2	<0.05	6	<0.5	<0.2
118594	Soil	14	26	0.25	101	0.027	<1	1.47	0.005	0.04	0.2	0.02	1.7	0.2	<0.05	6	0.6	<0.2
118595	Soil	19	27	0.35	149	0.015	<1	2.49	0.006	0.07	0.2	0.02	2.7	0.3	<0.05	7	<0.5	<0.2
118596	Soil	16	27	0.37	135	0.032	<1	1.73	0.006	0.05	0.1	0.03	2.4	0.1	<0.05	5	0.7	<0.2
118597	Soil	32	26	0.38	145	0.039	<1	1.45	0.006	0.07	0.1	0.02	3.9	0.1	<0.05	5	<0.5	<0.2
118598	Soil	20	21	0.35	103	0.028	<1	1.15	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
118599	Soil	33	30	0.53	163	0.025	1	2.26	0.007	0.08	0.1	0.03	5.0	0.1	<0.05	7	1.1	<0.2
118600	Soil	18	35	0.47	201	0.036	2	2.45	0.006	0.05	0.2	0.01	3.6	0.1	<0.05	7	<0.5	<0.2
118601	Soil	23	39	0.63	123	0.025	<1	2.16	0.006	0.08	<0.1	0.03	5.2	0.1	<0.05	6	0.7	<0.2
118602	Soil	15	35	0.55	230	0.061	<1	2.72	0.007	0.11	0.2	0.03	3.1	0.2	<0.05	7	0.6	<0.2
118603	Soil	16	34	0.41	130	0.058	1	2.23	0.005	0.10	0.2	0.01	3.6	0.2	<0.05	7	<0.5	<0.2
118604	Soil	83	24	0.45	136	0.016	<1	2.56	0.007	0.15	<0.1	0.01	2.7	0.2	<0.05	10	<0.5	<0.2
118605	Soil	22	24	0.57	121	0.061	<1	2.91	0.006	0.36	0.1	<0.01	3.8	0.5	<0.05	10	<0.5	<0.2
118606	Soil	23	37	0.63	134	0.034	1	2.45	0.005	0.17	0.4	0.01	3.2	0.2	<0.05	6	<0.5	<0.2
118607	Soil	62	87	1.87	156	0.007	<1	3.93	0.006	0.06	1.8	0.01	6.3	0.2	<0.05	13	<0.5	<0.2
118608	Soil	11	33	0.51	198	0.048	<1	2.17	0.006	0.06	0.7	<0.01	2.6	0.1	<0.05	6	<0.5	<0.2
118609	Soil	13	27	0.36	123	0.026	<1	2.26	0.004	0.05	0.5	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
118610	Soil	20	30	0.38	147	0.037	1	2.18	0.006	0.05	0.2	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
118611	Soil	34	20	0.41	112	0.073	<1	2.46	0.004	0.27	0.6	0.03	2.9	0.3	<0.05	10	<0.5	<0.2
118612	Soil	25	19	0.44	120	0.069	<1	2.85	0.006	0.41	0.3	<0.01	4.9	0.5	<0.05	15	<0.5	<0.2
118613	Soil	48	26	0.91	145	0.254	<1	2.78	0.007	1.00	0.3	0.01	7.0	0.8	<0.05	13	<0.5	<0.2
118614	Soil	84	27	0.57	126	0.060	<1	3.04	0.008	0.28	0.6	<0.01	4.2	0.2	<0.05	19	1.1	<0.2
118615	Soil	48	17	0.41	114	0.107	<1	2.70	0.006	0.47	0.4	<0.01	4.5	0.6	<0.05	14	<0.5	<0.2
118616	Soil	39	23	0.43	94	0.053	<1	1.86	0.006	0.14	0.4	<0.01	3.1	0.2	<0.05	8	<0.5	<0.2
115557	Soil	41	112	1.66	46	0.005	<1	3.16	0.003	0.09	<0.1	<0.01	4.2	0.1	<0.05	15	0.6	<0.2
115558	Soil	19	34	0.62	105	0.007	<1	2.40	0.004	0.09	<0.1	<0.01	4.1	0.2	<0.05	6	0.7	<0.2
115559	Soil	103	12	0.07	78	0.004	<1	1.12	0.004	0.07	0.2	<0.01	1.2	0.1	<0.05	3	<0.5	<0.2

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Project: Burnham
 Report Date: August 04, 2011

Page: 11 of 11 Part 1

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
115560	Soil	1.0	7.0	12.2	49	<0.1	9.7	4.7	275	2.62	6.1	1.6	<0.5	14.5	7	<0.1	0.3	0.2	31	0.15	0.087
115561	Soil	1.6	12.6	22.9	32	<0.1	5.9	2.3	83	2.85	21.7	7.7	5.8	33.6	7	<0.1	1.0	0.4	9	0.07	0.071
115562	Soil	1.4	16.1	14.5	51	<0.1	17.6	8.4	240	2.64	9.7	1.1	1.0	9.6	7	<0.1	0.5	0.2	33	0.10	0.041
115563	Soil	1.5	6.4	11.8	49	<0.1	7.6	4.6	245	2.45	6.2	2.7	2.0	8.7	7	<0.1	0.4	0.2	27	0.13	0.071
115564	Soil	1.3	9.1	21.2	37	<0.1	7.2	4.8	252	2.49	6.7	6.2	2.8	21.5	10	<0.1	0.4	0.4	13	0.16	0.068
115565	Soil	1.2	13.8	17.5	42	<0.1	11.2	4.6	373	2.67	5.3	5.4	4.5	45.1	9	<0.1	0.5	0.3	15	0.27	0.100
115566	Soil	0.8	5.2	16.5	23	<0.1	4.8	5.3	110	0.91	3.9	6.0	2.7	39.9	4	<0.1	0.3	0.3	10	0.24	0.122
115567	Soil	1.4	11.6	15.6	73	<0.1	10.6	6.8	245	3.96	3.9	4.2	1.4	33.3	6	0.1	0.3	0.3	18	0.20	0.096
115568	Soil	1.5	8.9	16.8	52	<0.1	7.2	5.8	349	3.30	4.9	5.4	0.9	37.4	9	0.1	0.2	0.3	17	0.29	0.180
115569	Soil	1.7	9.7	15.1	51	<0.1	8.4	10.7	418	3.02	7.8	7.0	<0.5	43.9	6	<0.1	0.3	0.4	11	0.23	0.139
115570	Soil	0.9	11.1	11.9	68	<0.1	9.4	6.3	341	3.43	6.3	2.0	2.5	15.4	5	<0.1	0.2	0.3	24	0.25	0.133
109430	Soil	0.5	7.6	17.1	79	<0.1	10.4	6.3	327	3.89	6.3	6.2	1.6	38.7	9	<0.1	0.2	0.6	23	0.19	0.131
109431	Soil	0.8	8.5	15.7	58	<0.1	13.0	5.6	196	3.27	7.7	4.1	1.5	20.0	11	<0.1	0.3	0.2	27	0.19	0.093
109432	Soil	0.7	13.7	13.8	45	<0.1	16.5	6.0	152	2.49	9.2	2.1	3.2	10.1	7	<0.1	0.5	0.3	30	0.08	0.026
109433	Soil	1.0	10.4	12.9	56	<0.1	13.2	6.0	212	3.02	9.2	3.5	1.5	12.3	8	<0.1	0.4	0.2	31	0.10	0.051
109434	Soil	0.7	16.1	14.5	59	<0.1	15.6	6.6	262	3.02	8.4	2.2	2.4	19.4	15	<0.1	0.5	0.2	28	0.24	0.069



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Project: Burnham
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Page: 11 of 11 Part 2

CERTIFICATE OF ANALYSIS

WHI11000622.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
115560	Soil	28	17	0.24	103	0.013	<1	1.29	0.004	0.05	0.1	0.01	1.4	0.1	<0.05	5	<0.5	<0.2
115561	Soil	71	9	0.08	68	0.005	<1	0.79	0.003	0.07	0.1	0.03	1.7	0.2	<0.05	3	0.7	<0.2
115562	Soil	12	28	0.32	147	0.025	<1	1.79	0.006	0.07	0.1	0.02	1.9	0.1	<0.05	4	<0.5	<0.2
115563	Soil	12	14	0.16	75	0.023	<1	0.98	0.006	0.06	0.1	<0.01	1.0	0.1	<0.05	5	<0.5	<0.2
115564	Soil	42	11	0.15	150	0.014	<1	0.93	0.006	0.08	0.2	0.01	1.8	0.1	<0.05	3	<0.5	<0.2
115565	Soil	82	9	0.14	122	0.015	<1	0.96	0.004	0.09	0.2	0.03	2.6	0.2	<0.05	4	0.7	<0.2
115566	Soil	65	7	0.06	57	0.005	<1	0.82	0.004	0.06	0.2	<0.01	1.3	0.1	<0.05	2	1.0	<0.2
115567	Soil	37	12	0.17	122	0.015	<1	1.25	0.005	0.14	0.2	<0.01	3.1	0.2	<0.05	4	<0.5	<0.2
115568	Soil	52	11	0.16	103	0.009	1	1.26	0.004	0.10	0.1	<0.01	1.7	0.1	<0.05	5	<0.5	<0.2
115569	Soil	86	8	0.09	69	0.004	<1	1.20	0.005	0.09	<0.1	0.01	1.9	0.2	<0.05	5	0.8	<0.2
115570	Soil	8	16	0.23	110	0.009	1	1.62	0.006	0.09	0.1	<0.01	1.8	0.1	<0.05	6	<0.5	<0.2
109430	Soil	45	14	0.29	152	0.026	<1	1.82	0.005	0.24	0.2	0.02	2.2	0.4	<0.05	9	<0.5	<0.2
109431	Soil	20	17	0.28	137	0.015	<1	1.62	0.007	0.10	0.2	<0.01	1.9	0.2	<0.05	6	<0.5	<0.2
109432	Soil	17	21	0.28	108	0.022	<1	1.40	0.007	0.08	0.2	<0.01	1.8	0.1	<0.05	4	0.6	<0.2
109433	Soil	16	19	0.29	132	0.024	<1	1.39	0.004	0.10	0.2	0.01	1.7	0.2	<0.05	5	0.5	<0.2
109434	Soil	27	23	0.34	181	0.027	<1	1.39	0.006	0.10	0.2	0.01	3.1	0.1	<0.05	5	1.3	<0.2



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Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000622.1

Method	Analyte	Unit	MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
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	0.001
102230	Soil			0.5	11.9	9.9	67	<0.1	10.6	8.0	345	3.27	5.4	3.9	<0.5	37.3	7	<0.1	0.3	0.3	33	0.21	0.115
REP 102230	QC			0.6	11.9	10.2	68	<0.1	11.2	8.2	362	3.36	5.3	4.1	<0.5	38.6	7	<0.1	0.3	0.3	36	0.23	0.121
104413	Soil			0.8	25.9	13.4	77	<0.1	17.6	11.8	433	4.28	4.4	3.4	<0.5	37.6	14	<0.1	0.3	0.4	56	0.24	0.094
REP 104413	QC			0.9	27.1	13.9	82	<0.1	18.2	12.0	447	4.41	4.8	3.5	1.9	39.7	15	0.1	0.3	0.4	59	0.26	0.095
105404	Soil			0.7	7.8	12.7	51	<0.1	11.2	6.6	389	2.66	6.0	4.1	0.8	16.9	5	<0.1	0.2	0.6	27	0.16	0.082
REP 105404	QC			0.7	7.8	12.7	49	<0.1	10.4	6.2	368	2.50	5.8	4.1	<0.5	17.2	5	0.1	0.2	0.6	25	0.15	0.077
105423	Soil			0.5	6.7	7.8	41	<0.1	9.1	4.2	130	1.49	4.6	5.1	2.8	3.7	13	<0.1	0.2	0.2	27	0.32	0.102
REP 105423	QC			0.5	6.5	7.7	40	<0.1	9.3	4.2	130	1.45	4.5	4.9	2.8	3.4	13	0.2	0.2	0.2	26	0.32	0.103
108576	Soil			0.9	10.8	11.8	36	<0.1	6.0	2.6	91	1.43	13.0	8.6	<0.5	23.1	5	<0.1	0.6	0.1	11	0.08	0.038
REP 108576	QC			0.9	10.9	12.3	36	<0.1	6.0	2.5	90	1.41	12.7	8.6	<0.5	22.9	5	<0.1	0.6	0.1	10	0.09	0.038
108582	Soil			1.0	27.0	17.7	75	0.1	21.7	9.9	848	2.45	29.0	0.6	<0.5	13.1	431	0.5	0.7	0.3	25	7.94	0.260
REP 108582	QC			0.9	26.3	17.7	73	0.1	21.3	9.2	811	2.43	28.2	0.6	1.0	13.0	428	0.6	0.6	0.3	24	7.91	0.263
108604	Soil			1.5	3.9	11.7	31	<0.1	2.6	1.3	70	1.90	3.9	9.3	1.0	38.1	7	<0.1	0.1	0.6	10	0.12	0.070
REP 108604	QC			1.3	3.8	11.3	29	<0.1	2.6	1.3	69	1.80	3.8	8.9	<0.5	38.9	6	<0.1	0.1	0.6	9	0.13	0.074
108619	Soil			0.6	7.5	20.0	41	<0.1	5.2	3.5	140	1.83	5.8	3.7	0.7	28.1	6	<0.1	0.2	0.4	12	0.13	0.075
REP 108619	QC			0.7	7.5	19.4	42	<0.1	5.4	3.6	141	1.84	5.7	3.7	0.9	27.6	6	<0.1	0.2	0.4	12	0.14	0.076
112508	Soil			0.9	12.9	9.6	64	<0.1	17.1	9.5	305	3.75	7.2	1.6	1.1	15.3	7	0.3	0.6	0.4	66	0.11	0.032
REP 112508	QC			0.9	12.4	9.9	66	<0.1	17.2	9.5	299	3.73	6.4	1.6	2.2	15.9	7	<0.1	0.4	0.3	66	0.10	0.032
112515	Soil			0.5	15.4	11.0	58	<0.1	15.1	10.5	342	3.56	3.7	5.4	3.5	44.2	10	0.1	0.3	0.4	42	0.27	0.120
REP 112515	QC			0.4	15.1	10.9	58	<0.1	14.9	10.0	337	3.49	3.8	5.3	3.1	43.4	9	0.3	0.4	0.5	41	0.28	0.119
112530	Soil			1.1	7.4	11.0	52	<0.1	8.0	3.9	190	2.45	5.1	1.2	2.8	2.7	10	<0.1	0.3	0.6	36	0.12	0.036
REP 112530	QC			1.0	7.6	11.5	53	<0.1	7.8	3.9	173	2.43	5.3	1.2	0.6	3.2	10	<0.1	0.4	0.7	37	0.11	0.038
115539	Soil			1.5	14.3	14.7	85	<0.1	17.3	18.3	678	4.57	8.1	2.1	0.8	19.0	9	<0.1	0.5	0.3	79	0.14	0.082
REP 115539	QC			1.5	14.7	14.3	86	<0.1	17.0	18.3	674	4.62	8.3	2.1	0.8	19.2	9	0.2	0.5	0.3	78	0.14	0.081
115548	Soil			0.7	18.2	17.8	76	<0.1	8.8	7.2	498	3.97	3.4	11.8	<0.5	58.2	8	<0.1	0.1	0.8	25	0.22	0.129
REP 115548	QC			0.6	17.1	18.0	76	<0.1	8.4	7.0	478	3.78	3.4	11.7	<0.5	57.4	8	<0.1	0.1	0.8	25	0.23	0.129
117559	Soil			0.4	14.1	13.7	78	<0.1	8.3	6.6	343	3.50	1.9	9.2	<0.5	51.7	11	<0.1	0.1	0.3	24	0.22	0.100
REP 117559	QC			0.4	13.6	13.2	76	<0.1	7.9	6.6	328	3.34	1.7	8.5	0.7	48.9	11	<0.1	0.1	0.3	26	0.21	0.098



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Project: Burnham
 Report Date: August 04, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000622.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
102230	Soil	54	17	0.40	114	0.110	2	2.03	0.008	0.42	0.2	<0.01	3.1	0.6	<0.05	9	<0.5	<0.2
REP 102230	QC	55	18	0.42	115	0.121	<1	2.17	0.008	0.45	0.3	0.01	3.5	0.6	<0.05	9	<0.5	<0.2
104413	Soil	105	29	0.72	197	0.210	<1	2.67	0.009	0.62	2.0	0.03	6.8	0.7	<0.05	11	<0.5	<0.2
REP 104413	QC	110	29	0.74	209	0.220	<1	2.79	0.009	0.66	2.1	0.03	7.0	0.7	<0.05	12	<0.5	<0.2
105404	Soil	23	15	0.26	104	0.024	<1	1.55	0.005	0.15	0.4	0.02	1.7	0.3	<0.05	6	<0.5	<0.2
REP 105404	QC	23	14	0.25	103	0.022	<1	1.51	0.005	0.14	0.4	0.01	1.6	0.3	<0.05	5	<0.5	<0.2
105423	Soil	17	14	0.23	146	0.028	<1	1.01	0.006	0.06	1.3	0.04	1.5	0.1	<0.05	3	<0.5	<0.2
REP 105423	QC	17	14	0.23	143	0.028	<1	1.01	0.006	0.05	1.7	0.04	1.4	0.1	<0.05	4	<0.5	<0.2
108576	Soil	73	7	0.13	66	0.005	<1	0.73	0.003	0.07	<0.1	<0.01	0.9	0.2	<0.05	3	<0.5	<0.2
REP 108576	QC	73	7	0.13	64	0.005	<1	0.73	0.003	0.07	<0.1	<0.01	0.9	0.2	<0.05	3	<0.5	<0.2
108582	Soil	49	19	0.52	267	0.002	1	1.43	0.004	0.13	0.3	0.05	7.0	0.2	<0.05	3	<0.5	<0.2
REP 108582	QC	47	19	0.51	251	0.002	<1	1.41	0.003	0.12	0.3	0.06	6.6	0.2	<0.05	3	<0.5	<0.2
108604	Soil	44	5	0.08	68	0.002	<1	1.42	0.004	0.07	0.9	0.02	1.3	0.2	<0.05	4	<0.5	<0.2
REP 108604	QC	42	5	0.08	64	0.001	<1	1.37	0.004	0.07	0.9	0.03	1.2	0.2	<0.05	4	<0.5	<0.2
108619	Soil	52	8	0.13	104	0.006	<1	1.10	0.005	0.11	0.2	<0.01	0.9	0.1	<0.05	3	<0.5	<0.2
REP 108619	QC	51	8	0.13	101	0.006	<1	1.07	0.004	0.10	0.2	<0.01	0.9	0.1	<0.05	3	<0.5	<0.2
112508	Soil	19	28	0.59	126	0.166	<1	2.69	0.006	0.21	0.2	0.02	4.9	0.3	<0.05	10	<0.5	<0.2
REP 112508	QC	18	30	0.57	125	0.165	<1	2.70	0.005	0.21	0.2	0.02	4.9	0.3	<0.05	10	<0.5	<0.2
112515	Soil	71	23	0.45	164	0.090	<1	2.28	0.006	0.19	<0.1	<0.01	4.2	0.2	<0.05	9	<0.5	<0.2
REP 112515	QC	68	22	0.45	156	0.086	<1	2.24	0.008	0.20	0.1	<0.01	4.1	0.2	<0.05	10	<0.5	<0.2
112530	Soil	13	13	0.31	94	0.018	<1	1.41	0.005	0.07	1.2	0.01	1.1	0.2	<0.05	7	<0.5	<0.2
REP 112530	QC	13	12	0.30	94	0.015	<1	1.37	0.005	0.07	1.1	0.01	1.0	0.2	<0.05	7	<0.5	<0.2
115539	Soil	19	34	0.64	187	0.171	1	3.10	0.008	0.36	0.4	0.03	4.9	0.5	<0.05	12	0.6	<0.2
REP 115539	QC	20	35	0.63	186	0.169	<1	2.97	0.008	0.38	0.4	0.03	4.9	0.5	<0.05	13	<0.5	<0.2
115548	Soil	141	16	0.31	98	0.021	<1	2.15	0.009	0.25	0.6	<0.01	3.3	0.3	<0.05	10	0.6	<0.2
REP 115548	QC	140	16	0.30	97	0.022	<1	2.10	0.007	0.25	0.6	<0.01	3.3	0.4	<0.05	10	0.6	<0.2
117559	Soil	99	13	0.36	72	0.005	<1	2.05	0.005	0.12	0.1	<0.01	4.2	0.2	<0.05	9	0.8	<0.2
REP 117559	QC	93	12	0.35	69	0.004	<1	1.92	0.005	0.12	0.2	<0.01	4.1	0.2	<0.05	9	0.6	<0.2

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.



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Project: Burnham
 Report Date: August 04, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000622.1

		1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
118598	Soil	0.5	14.8	10.9	38	<0.1	12.7	5.2	141	1.92	6.5	2.3	2.2	6.3	13	<0.1	0.3	0.2	36	0.15	0.050
REP 118598	QC	0.6	15.2	11.5	39	<0.1	13.5	5.3	149	1.97	6.7	2.4	3.4	6.5	14	<0.1	0.4	0.2	37	0.17	0.052
118615	Soil	0.7	13.4	12.9	55	<0.1	8.5	6.6	257	4.51	4.9	5.6	<0.5	57.0	12	<0.1	0.2	0.7	31	0.29	0.128
REP 118615	QC	0.8	12.3	13.1	48	<0.1	7.9	6.4	244	4.16	4.8	5.4	<0.5	53.6	11	<0.1	0.2	0.6	32	0.30	0.127
109433	Soil	1.0	10.4	12.9	56	<0.1	13.2	6.0	212	3.02	9.2	3.5	1.5	12.3	8	<0.1	0.4	0.2	31	0.10	0.051
REP 109433	QC	1.2	10.2	12.9	56	<0.1	13.6	5.9	206	3.03	8.6	3.5	11.1	12.4	9	<0.1	0.5	0.2	30	0.10	0.053
Reference Materials																					
STD DS8	Standard	13.0	110.1	123.7	301	1.7	36.5	7.5	586	2.30	26.3	2.7	104.4	7.0	67	2.7	5.5	6.9	37	0.66	0.076
STD DS8	Standard	13.0	108.5	119.0	303	1.7	36.8	7.4	573	2.35	26.1	2.7	109.5	6.9	68	2.3	5.6	7.1	39	0.67	0.075
STD DS8	Standard	12.2	106.7	128.5	295	1.8	37.4	7.3	603	2.65	26.5	2.8	106.0	6.7	62	2.4	5.2	5.9	34	0.71	0.081
STD DS8	Standard	12.7	99.5	126.2	292	1.8	35.1	7.3	581	2.65	25.0	2.6	113.9	6.8	66	2.1	5.3	5.7	36	0.67	0.078
STD DS8	Standard	14.6	124.1	134.2	335	2.0	43.1	8.3	647	2.62	28.4	2.9	124.0	7.4	72	2.6	6.3	6.9	47	0.73	0.086
STD DS8	Standard	13.9	116.0	128.6	317	2.0	39.8	7.9	671	2.52	26.7	3.1	117.8	7.6	74	2.3	6.4	7.3	48	0.73	0.086
STD DS8	Standard	14.1	113.2	124.3	323	1.8	39.3	7.8	613	2.48	28.5	2.9	115.9	7.4	71	2.4	6.3	7.1	42	0.70	0.082
STD DS8	Standard	14.3	118.4	131.0	340	1.9	41.1	8.1	663	2.67	29.0	2.9	123.4	7.3	72	2.4	6.4	7.1	45	0.70	0.085
STD DS8	Standard	12.5	109.0	131.7	329	1.9	38.2	7.5	611	2.48	25.6	2.9	130.5	7.0	75	2.6	6.4	7.8	43	0.69	0.079
STD DS8	Standard	13.8	107.8	124.5	333	1.8	40.0	7.4	645	2.57	26.8	3.1	120.2	6.9	76	2.4	6.5	7.8	44	0.71	0.081
STD DS8	Standard	13.8	109.1	124.5	320	1.8	38.5	8.0	640	2.52	27.6	2.7	106.8	7.1	70	2.3	6.3	6.9	43	0.71	0.080
STD DS8	Standard	13.4	111.4	121.7	315	1.7	40.1	7.6	611	2.44	26.9	2.8	107.1	7.3	69	2.1	5.6	6.9	43	0.68	0.074
STD DS8	Standard	12.8	109.5	126.4	301	1.8	38.2	7.6	603	2.39	26.7	2.6	109.3	6.6	56	1.9	4.3	5.4	44	0.67	0.080
STD DS8	Standard	12.8	109.5	126.3	308	1.7	38.8	7.5	595	2.38	26.7	2.7	112.5	6.6	55	2.4	4.5	5.2	43	0.66	0.077
STD DS8	Standard	14.2	113.7	124.2	308	1.8	38.1	8.0	607	2.44	25.4	2.8	115.7	7.4	66	2.3	5.3	6.4	44	0.69	0.078
STD DS8	Standard	13.3	107.4	121.0	298	1.7	36.1	7.4	597	2.44	24.4	2.7	108.7	7.7	66	2.1	5.2	6.3	42	0.69	0.077
STD DS8	Standard	12.5	104.1	119.8	306	1.9	36.2	7.3	595	2.42	26.6	2.7	108.0	6.3	69	2.4	5.8	6.6	41	0.68	0.078
STD DS8	Standard	11.8	102.8	121.0	310	1.7	37.5	7.3	592	2.36	26.2	2.6	106.1	6.4	68	2.2	5.3	6.5	40	0.66	0.081
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti ppm	1DX15 B %	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
118598	Soil	20	21	0.35	103	0.028	<1	1.15	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
REP 118598	QC	21	22	0.36	108	0.030	<1	1.18	0.007	0.05	0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
118615	Soil	48	17	0.41	114	0.107	<1	2.70	0.006	0.47	0.4	<0.01	4.5	0.6	<0.05	14	<0.5	<0.2
REP 118615	QC	49	16	0.40	114	0.106	<1	2.69	0.006	0.44	0.4	<0.01	3.8	0.6	<0.05	13	0.9	<0.2
109433	Soil	16	19	0.29	132	0.024	<1	1.39	0.004	0.10	0.2	0.01	1.7	0.2	<0.05	5	0.5	<0.2
REP 109433	QC	17	19	0.30	129	0.026	1	1.40	0.005	0.11	0.1	0.01	1.7	0.2	<0.05	5	0.8	<0.2
Reference Materials																		
STD DS8	Standard	14	112	0.57	281	0.115	3	0.90	0.100	0.43	2.9	0.20	2.3	5.2	0.15	4	5.1	4.6
STD DS8	Standard	15	112	0.59	285	0.115	2	0.90	0.102	0.41	3.0	0.19	2.3	5.4	0.14	5	4.7	5.4
STD DS8	Standard	13	116	0.55	269	0.110	3	0.90	0.089	0.41	3.0	0.21	2.1	5.2	0.14	5	5.2	4.7
STD DS8	Standard	14	111	0.55	279	0.109	2	0.89	0.075	0.40	2.9	0.20	2.2	5.4	0.16	4	5.2	4.8
STD DS8	Standard	15	129	0.64	296	0.122	3	0.96	0.092	0.44	3.1	0.22	2.2	5.7	0.18	5	5.9	5.2
STD DS8	Standard	16	128	0.66	304	0.127	3	0.97	0.092	0.45	3.0	0.22	2.3	5.2	0.18	5	6.2	5.6
STD DS8	Standard	15	116	0.62	276	0.127	3	0.92	0.091	0.42	3.0	0.22	2.1	5.5	0.17	5	4.9	5.2
STD DS8	Standard	16	124	0.66	288	0.129	3	0.97	0.092	0.43	3.1	0.20	2.1	5.8	0.19	5	5.4	5.2
STD DS8	Standard	14	123	0.63	276	0.128	3	0.91	0.081	0.41	3.2	0.22	1.7	5.5	0.18	5	5.6	5.2
STD DS8	Standard	15	121	0.63	277	0.131	3	0.94	0.085	0.42	2.9	0.21	1.9	5.5	0.18	5	5.9	5.2
STD DS8	Standard	15	121	0.62	298	0.130	3	0.90	0.085	0.41	3.1	0.20	2.0	5.6	0.15	5	5.3	5.4
STD DS8	Standard	15	119	0.60	282	0.128	2	0.90	0.080	0.41	3.0	0.19	1.9	5.6	0.15	5	5.0	4.8
STD DS8	Standard	13	119	0.60	271	0.107	3	0.90	0.087	0.41	2.8	0.21	1.8	5.3	0.17	5	4.8	5.5
STD DS8	Standard	13	119	0.58	268	0.107	3	0.87	0.083	0.41	2.8	0.20	1.8	5.2	0.17	5	5.0	5.1
STD DS8	Standard	16	117	0.61	278	0.122	2	0.94	0.086	0.41	2.9	0.20	2.5	5.3	0.11	5	5.9	5.5
STD DS8	Standard	16	112	0.59	281	0.121	2	0.91	0.085	0.40	2.9	0.20	2.3	5.1	0.11	5	5.4	4.9
STD DS8	Standard	15	114	0.59	275	0.126	2	0.87	0.087	0.41	3.1	0.19	2.3	5.4	0.16	5	4.9	5.0
STD DS8	Standard	14	112	0.59	265	0.119	2	0.87	0.085	0.41	2.9	0.20	2.2	5.4	0.16	5	4.7	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

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Project: Burnham

Report Date: August 04, 2011

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

WHI11000622.1

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



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Project: Burnham

Report Date: August 04, 2011

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000622.1

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



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Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 07, 2011
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI11000624.1

CLIENT JOB INFORMATION

Project: Burnham
Shipment ID: 20110705101223
P.O. Number
Number of Samples: 114

SAMPLE DISPOSAL

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

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

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

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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: Burnham
 Report Date: August 07, 2011

Page: 2 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11000624.1

Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
121475	Soil	0.8	18.4	8.5	52	<0.1	19.8	8.7	357	2.75	11.2	0.7	2.1	4.6	9	<0.1	0.5	0.2	50	0.10	0.039
121476	Soil	0.7	27.1	10.8	80	<0.1	20.6	10.8	448	4.07	7.9	3.0	1.2	32.3	10	<0.1	0.5	0.2	62	0.12	0.040
121477	Soil	1.2	26.7	8.6	62	<0.1	22.8	12.0	399	4.01	12.3	1.5	<0.5	19.5	10	<0.1	0.6	0.2	64	0.09	0.035
121478	Soil	1.1	15.1	8.9	82	<0.1	15.2	8.7	360	4.41	9.9	1.2	<0.5	12.4	7	<0.1	0.4	0.3	79	0.09	0.052
121479	Soil	1.2	19.5	10.7	71	<0.1	20.7	11.0	333	3.57	10.5	1.8	0.9	20.5	9	<0.1	0.5	0.2	55	0.12	0.050
121480	Soil	1.0	19.1	8.8	52	<0.1	20.3	8.6	235	2.56	19.1	1.0	11.8	10.2	17	<0.1	0.7	0.2	43	0.13	0.052
121481	Soil	0.8	8.5	6.5	40	<0.1	9.5	8.9	529	2.79	5.5	1.0	<0.5	5.8	14	<0.1	0.2	0.2	43	0.16	0.070
121482	Soil	0.6	20.6	11.0	94	<0.1	17.5	12.4	572	4.74	5.5	2.5	1.0	32.7	10	<0.1	0.2	0.3	67	0.24	0.100
121483	Soil	0.9	19.8	8.3	108	<0.1	18.4	11.9	468	6.61	4.1	2.3	<0.5	30.3	10	<0.1	0.2	0.3	91	0.18	0.087
121484	Soil	1.2	13.3	9.3	59	<0.1	17.7	8.3	283	3.59	10.9	0.7	0.6	6.2	9	<0.1	0.5	0.2	66	0.10	0.039
121485	Soil	1.0	20.9	9.0	66	<0.1	24.8	11.9	283	2.96	13.1	0.9	0.9	9.7	10	<0.1	0.7	0.2	52	0.10	0.042
121486	Soil	1.4	14.0	8.7	65	<0.1	14.5	9.1	353	3.83	7.5	1.5	<0.5	13.4	7	<0.1	0.4	0.3	73	0.09	0.034
121487	Soil	1.3	15.7	11.6	78	<0.1	15.0	9.2	411	4.45	10.1	1.7	1.6	18.7	9	<0.1	0.4	0.3	76	0.15	0.056
121488	Soil	1.3	11.9	8.5	52	<0.1	14.1	6.5	249	3.13	10.8	0.7	2.2	5.2	9	<0.1	0.5	0.2	64	0.10	0.036
121489	Soil	1.3	16.7	10.5	51	<0.1	16.7	7.7	273	3.12	10.5	1.4	1.3	4.5	13	<0.1	0.5	0.3	58	0.16	0.058
121490	Soil	1.2	14.0	9.2	50	<0.1	15.5	7.0	262	2.99	9.2	1.3	0.9	2.3	14	<0.1	0.5	0.3	58	0.17	0.064
121491	Soil	1.2	15.3	9.0	67	<0.1	17.4	10.8	398	3.45	8.0	1.3	<0.5	12.4	11	<0.1	0.5	0.2	66	0.16	0.053
121492	Soil	1.1	17.7	9.7	63	<0.1	22.1	10.7	278	3.19	8.1	1.0	1.3	15.9	12	<0.1	0.5	0.2	56	0.11	0.025
121493	Soil	1.3	15.3	9.1	63	<0.1	19.3	9.8	278	3.38	10.6	1.0	3.7	10.2	9	<0.1	0.5	0.2	61	0.10	0.030
121494	Soil	0.8	19.5	8.4	61	<0.1	22.2	9.4	269	2.72	13.0	0.9	2.2	9.7	9	<0.1	0.6	0.2	46	0.08	0.043
121456	Soil	0.8	12.1	6.5	48	<0.1	13.6	7.3	215	3.20	8.6	1.0	<0.5	16.2	8	<0.1	0.4	0.2	43	0.09	0.031
121457	Soil	0.8	14.3	8.1	58	<0.1	16.5	9.4	218	3.32	8.9	0.8	0.9	14.5	11	<0.1	0.4	0.2	52	0.12	0.050
121458	Soil	0.7	20.9	10.6	64	<0.1	16.0	9.7	312	3.76	7.4	1.8	2.6	32.0	11	<0.1	0.4	0.3	48	0.20	0.073
121459	Soil	0.8	18.9	14.4	66	<0.1	12.3	6.8	210	3.25	6.1	1.8	1.9	26.9	11	<0.1	0.4	0.6	42	0.17	0.057
121460	Soil	0.3	10.7	7.1	68	<0.1	9.2	8.1	257	4.11	1.4	5.0	<0.5	68.3	9	<0.1	0.1	0.3	44	0.28	0.134
121461	Soil	0.5	13.3	7.9	85	<0.1	12.0	12.4	481	4.29	3.7	4.0	<0.5	57.6	12	<0.1	0.2	0.3	56	0.31	0.122
121462	Soil	0.5	9.3	7.1	45	<0.1	10.6	6.2	180	2.64	4.8	1.6	2.1	23.6	12	<0.1	0.2	0.2	45	0.16	0.054
121463	Soil	0.8	14.8	7.3	45	<0.1	12.3	5.6	147	2.45	6.8	1.6	1.8	14.6	13	<0.1	0.4	0.2	47	0.14	0.043
121464	Soil	0.5	10.9	6.7	46	<0.1	12.1	6.2	155	2.23	5.1	1.3	1.8	18.8	13	<0.1	0.4	0.2	43	0.18	0.056
121465	Soil	0.7	13.6	8.8	54	<0.1	13.5	6.7	160	2.47	6.8	1.7	1.4	16.9	14	<0.1	0.4	0.2	47	0.19	0.065

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Project: Burnham
 Report Date: August 07, 2011

Page: 2 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11000624.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.01	0.05	1	0.5	0.2
121475	Soil	17	26	0.44	130	0.037	2	1.61	0.005	0.07	0.6	0.04	2.1	0.1	<0.05	5	0.7	<0.2
121476	Soil	127	33	0.64	193	0.113	<1	2.43	0.009	0.30	0.2	0.03	7.6	0.4	<0.05	10	0.6	<0.2
121477	Soil	15	34	0.74	215	0.201	1	2.66	0.006	0.46	0.2	0.01	4.7	0.5	<0.05	9	<0.5	<0.2
121478	Soil	15	29	0.55	136	0.193	<1	2.42	0.005	0.32	0.2	0.02	4.9	0.4	<0.05	13	<0.5	<0.2
121479	Soil	26	30	0.58	156	0.108	1	2.34	0.006	0.32	0.3	0.01	4.4	0.4	<0.05	8	0.6	<0.2
121480	Soil	26	25	0.42	134	0.028	<1	1.64	0.009	0.12	0.5	0.01	2.4	0.2	<0.05	5	0.8	<0.2
121481	Soil	18	18	0.33	90	0.023	<1	1.57	0.003	0.12	9.9	<0.01	1.6	0.2	<0.05	7	<0.5	<0.2
121482	Soil	48	33	0.69	207	0.132	<1	2.76	0.007	0.39	0.3	0.01	6.0	0.4	<0.05	12	0.5	<0.2
121483	Soil	37	35	0.88	178	0.312	<1	4.04	0.008	0.82	0.2	0.02	8.6	0.9	<0.05	18	<0.5	<0.2
121484	Soil	13	29	0.48	163	0.088	1	2.12	0.006	0.19	0.2	0.02	3.0	0.3	<0.05	8	<0.5	<0.2
121485	Soil	15	30	0.51	166	0.079	1	1.99	0.006	0.16	0.2	<0.01	3.3	0.2	<0.05	5	0.6	<0.2
121486	Soil	14	26	0.51	107	0.156	<1	2.12	0.005	0.42	0.2	<0.01	4.3	0.5	<0.05	11	<0.5	<0.2
121487	Soil	28	31	0.59	142	0.123	<1	2.43	0.006	0.45	0.3	0.02	4.5	0.5	<0.05	11	<0.5	<0.2
121488	Soil	18	24	0.38	122	0.051	<1	1.72	0.007	0.13	0.2	0.02	2.2	0.2	<0.05	7	<0.5	<0.2
121489	Soil	31	26	0.40	183	0.044	<1	1.80	0.006	0.12	0.2	0.02	2.4	0.2	<0.05	7	<0.5	<0.2
121490	Soil	29	24	0.38	154	0.055	<1	1.53	0.005	0.14	0.1	0.03	2.0	0.2	<0.05	7	0.5	<0.2
121491	Soil	30	27	0.57	146	0.146	<1	1.98	0.006	0.27	0.2	0.01	3.5	0.3	<0.05	9	<0.5	<0.2
121492	Soil	18	29	0.51	145	0.040	<1	2.41	0.005	0.14	0.2	0.01	3.3	0.2	<0.05	7	<0.5	<0.2
121493	Soil	20	30	0.52	154	0.095	1	2.25	0.005	0.20	0.2	0.02	3.6	0.3	<0.05	7	<0.5	<0.2
121494	Soil	21	27	0.47	102	0.054	<1	1.73	0.007	0.08	0.2	0.04	3.4	0.2	<0.05	5	0.7	<0.2
121456	Soil	19	20	0.59	136	0.107	<1	2.02	0.006	0.27	0.2	0.01	3.0	0.3	<0.05	8	<0.5	<0.2
121457	Soil	13	26	0.53	169	0.106	<1	2.38	0.007	0.32	0.2	<0.01	3.8	0.4	<0.05	10	<0.5	<0.2
121458	Soil	36	29	0.53	173	0.099	<1	2.31	0.007	0.31	0.1	0.01	3.8	0.3	<0.05	10	<0.5	<0.2
121459	Soil	32	21	0.38	118	0.048	<1	1.87	0.005	0.17	0.1	0.01	3.0	0.3	<0.05	8	<0.5	<0.2
121460	Soil	113	18	0.50	116	0.165	<1	2.46	0.007	0.61	0.1	<0.01	5.3	0.6	<0.05	14	<0.5	<0.2
121461	Soil	106	22	0.52	154	0.188	<1	2.63	0.008	0.59	0.1	<0.01	6.2	0.6	<0.05	14	0.5	<0.2
121462	Soil	37	19	0.37	103	0.086	<1	1.59	0.007	0.20	0.1	<0.01	3.0	0.2	<0.05	8	<0.5	<0.2
121463	Soil	34	22	0.34	126	0.065	<1	1.48	0.006	0.10	0.2	<0.01	3.1	0.1	<0.05	7	<0.5	<0.2
121464	Soil	44	21	0.38	134	0.079	<1	1.46	0.008	0.13	0.2	0.01	2.8	0.2	<0.05	6	<0.5	<0.2
121465	Soil	43	23	0.38	167	0.070	<1	1.65	0.008	0.12	0.2	0.02	3.0	0.2	<0.05	7	<0.5	<0.2

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Project: Burnham
 Report Date: August 07, 2011

Page: 3 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11000624.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P
		ppm	ppm	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	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
121466	Soil	0.8	13.5	7.7	51	<0.1	13.9	7.6	211	2.24	7.7	1.1	2.0	9.5	16	<0.1	0.4	0.2	46	0.23	0.052		
121467	Soil	0.9	17.3	9.8	54	<0.1	16.9	7.3	239	2.75	8.3	2.9	2.0	7.5	17	<0.1	0.4	0.2	50	0.23	0.048		
121468	Soil	1.1	31.5	10.2	72	0.1	25.4	11.4	486	3.03	10.8	2.7	2.3	11.0	12	<0.1	0.7	0.2	59	0.12	0.045		
121469	Soil	0.9	26.3	8.6	63	<0.1	20.7	9.6	367	2.78	8.5	2.3	3.0	12.3	16	<0.1	0.6	0.2	45	0.20	0.047		
121470	Soil	0.8	16.3	10.6	53	<0.1	13.1	7.8	295	2.61	5.8	2.5	1.0	16.6	9	<0.1	0.4	0.3	35	0.09	0.032		
121471	Soil	0.7	10.5	11.6	45	<0.1	11.5	5.7	230	2.21	6.6	1.3	3.0	7.2	7	<0.1	0.4	0.6	31	0.10	0.038		
121472	Soil	0.5	10.1	9.7	65	<0.1	11.5	6.4	370	3.16	3.6	2.9	1.5	28.6	5	<0.1	0.2	0.3	29	0.13	0.061		
121473	Soil	1.1	15.5	11.6	62	<0.1	20.1	9.1	253	3.12	10.4	1.2	2.4	15.1	7	<0.1	0.5	0.2	44	0.07	0.029		
121474	Soil	1.0	26.2	10.9	61	<0.1	21.2	10.1	356	3.20	9.7	1.1	3.0	10.7	11	<0.1	0.6	0.2	52	0.10	0.023		
121438	Soil	0.5	8.2	14.6	93	<0.1	9.7	7.1	394	4.45	7.5	2.6	0.6	33.5	12	<0.1	0.2	0.3	40	0.31	0.121		
121439	Soil	0.7	7.7	12.2	63	<0.1	12.6	7.0	247	3.67	6.1	1.9	0.5	22.7	20	<0.1	0.3	0.2	45	0.30	0.165		
121440	Soil	0.7	7.9	11.6	60	<0.1	14.3	7.6	228	3.49	6.0	2.0	<0.5	23.8	14	<0.1	0.3	0.2	43	0.27	0.146		
121441	Soil	0.5	8.3	9.2	61	<0.1	11.0	7.3	268	3.29	4.6	3.3	2.2	34.7	20	<0.1	0.2	0.2	34	0.41	0.129		
121442	Soil	1.3	12.1	11.6	86	<0.1	16.8	7.6	211	4.08	10.1	2.2	2.2	28.5	8	<0.1	0.6	0.3	57	0.12	0.068		
121443	Soil	0.9	10.2	9.1	59	<0.1	13.4	6.7	201	3.50	7.7	1.4	1.6	15.8	8	<0.1	0.5	0.2	44	0.09	0.080		
121444	Soil	0.6	7.9	9.3	60	<0.1	10.0	7.1	307	3.97	4.2	2.5	0.7	27.7	7	<0.1	0.2	0.1	42	0.13	0.082		
121445	Soil	0.4	14.0	9.1	41	<0.1	10.6	5.3	149	2.30	5.8	3.6	2.1	31.4	12	<0.1	0.3	0.2	30	0.19	0.047		
121446	Soil	0.7	15.7	8.3	50	<0.1	13.2	6.7	171	3.09	5.6	2.3	<0.5	29.4	7	<0.1	0.3	0.1	34	0.13	0.064		
121447	Soil	1.1	13.6	10.8	52	<0.1	19.8	9.1	229	3.27	11.0	0.6	1.3	9.3	8	<0.1	0.6	0.2	51	0.08	0.035		
121448	Soil	0.8	12.2	9.4	62	<0.1	16.5	9.1	245	3.68	7.7	0.8	1.8	17.3	7	<0.1	0.4	0.2	44	0.08	0.024		
121449	Soil	0.7	14.5	11.8	64	<0.1	11.0	8.0	282	4.30	6.5	1.6	1.1	36.2	12	<0.1	0.4	0.4	44	0.16	0.042		
121450	Soil	0.8	12.3	11.8	61	<0.1	13.6	8.1	257	3.64	6.9	1.4	1.8	34.2	8	<0.1	0.4	0.3	44	0.18	0.063		
121451	Soil	0.5	13.5	11.7	76	<0.1	11.4	8.2	240	4.28	3.0	6.2	0.9	78.4	11	<0.1	0.2	0.3	44	0.24	0.109		
121452	Soil	0.8	12.9	10.5	53	<0.1	13.3	7.7	229	3.14	5.7	1.9	1.1	41.8	10	<0.1	0.3	0.3	43	0.16	0.051		
121453	Soil	0.3	4.7	8.2	55	<0.1	6.3	6.4	166	3.62	1.4	2.3	0.7	41.0	6	<0.1	0.1	0.3	35	0.15	0.065		
121454	Soil	0.6	8.8	7.7	52	<0.1	10.6	7.1	246	3.75	4.4	3.8	1.3	41.5	7	<0.1	0.3	0.2	40	0.19	0.085		
121455	Soil	0.6	5.2	9.4	28	<0.1	9.4	4.8	140	1.65	5.9	1.3	0.9	13.5	6	<0.1	0.3	0.2	36	0.10	0.063		
120536	Soil	0.7	11.6	7.9	42	<0.1	13.2	5.8	194	2.18	5.5	1.3	2.4	9.7	7	<0.1	0.5	0.1	35	0.09	0.030		
120537	Soil	0.7	14.8	8.8	47	<0.1	15.4	5.7	177	2.30	6.3	1.7	1.8	10.2	10	<0.1	0.5	0.2	40	0.12	0.031		
120538	Soil	0.8	9.2	10.1	37	<0.1	10.3	4.5	154	2.19	7.1	1.5	5.0	4.7	7	<0.1	0.4	0.3	37	0.09	0.045		

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Project: Burnham
 Report Date: August 07, 2011

Page: 3 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11000624.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
121466	Soil	24	24	0.38	225	0.056	<1	1.42	0.009	0.06	0.2	0.03	2.9	<0.1	<0.05	5	0.5	<0.2
121467	Soil	38	29	0.41	217	0.038	<1	1.78	0.008	0.09	0.2	0.02	3.2	0.2	<0.05	6	0.5	<0.2
121468	Soil	28	32	0.46	269	0.062	1	1.98	0.009	0.09	0.3	0.04	4.7	0.2	<0.05	6	0.7	<0.2
121469	Soil	32	25	0.46	279	0.065	1	1.57	0.008	0.12	0.2	0.03	4.1	0.2	<0.05	5	<0.5	<0.2
121470	Soil	45	19	0.32	161	0.043	<1	1.48	0.006	0.10	0.2	0.02	3.4	0.2	<0.05	5	<0.5	<0.2
121471	Soil	24	18	0.29	128	0.018	<1	1.36	0.005	0.05	0.2	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
121472	Soil	26	16	0.37	130	0.135	<1	1.85	0.007	0.46	2.0	0.01	3.2	0.8	<0.05	7	<0.5	<0.2
121473	Soil	16	24	0.43	138	0.065	1	1.94	0.006	0.15	0.4	0.02	2.6	0.3	<0.05	6	<0.5	<0.2
121474	Soil	35	27	0.52	187	0.072	1	1.82	0.009	0.10	0.7	0.03	4.6	0.2	<0.05	5	<0.5	<0.2
121438	Soil	39	18	0.45	126	0.242	<1	2.48	0.009	0.68	0.2	0.02	4.9	0.9	<0.05	13	<0.5	<0.2
121439	Soil	49	21	0.41	182	0.143	2	1.81	0.008	0.51	0.2	0.01	3.0	0.6	<0.05	9	<0.5	<0.2
121440	Soil	47	20	0.41	157	0.124	<1	1.85	0.008	0.44	0.2	<0.01	2.8	0.5	<0.05	8	<0.5	<0.2
121441	Soil	49	17	0.41	186	0.168	1	1.73	0.008	0.65	0.3	0.01	3.1	0.7	<0.05	8	<0.5	<0.2
121442	Soil	36	25	0.47	132	0.160	<1	2.69	0.007	0.42	0.3	0.01	3.8	0.6	<0.05	11	<0.5	<0.2
121443	Soil	14	20	0.39	140	0.144	<1	2.03	0.007	0.44	0.5	<0.01	3.2	0.6	<0.05	10	<0.5	<0.2
121444	Soil	14	16	0.43	154	0.140	<1	2.23	0.008	0.65	0.5	0.01	4.1	1.0	<0.05	12	<0.5	<0.2
121445	Soil	25	17	0.37	106	0.064	<1	1.34	0.006	0.18	0.2	0.02	4.7	0.2	<0.05	6	<0.5	<0.2
121446	Soil	10	17	0.39	151	0.072	1	2.19	0.007	0.37	0.3	0.02	2.1	0.8	<0.05	8	<0.5	<0.2
121447	Soil	11	27	0.43	177	0.068	<1	1.95	0.006	0.12	0.2	0.03	2.7	0.2	<0.05	6	<0.5	<0.2
121448	Soil	13	24	0.49	194	0.161	<1	2.01	0.010	0.39	0.2	0.01	4.1	0.6	<0.05	9	<0.5	<0.2
121449	Soil	29	22	0.52	155	0.189	<1	2.74	0.008	0.68	0.2	0.01	5.7	1.0	<0.05	13	<0.5	<0.2
121450	Soil	35	23	0.44	176	0.108	1	2.33	0.007	0.38	0.2	0.02	3.6	0.5	<0.05	9	<0.5	<0.2
121451	Soil	105	20	0.49	160	0.190	<1	2.47	0.008	0.67	0.2	<0.01	5.8	0.7	<0.05	13	<0.5	<0.2
121452	Soil	57	21	0.39	125	0.066	<1	1.77	0.006	0.17	0.1	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
121453	Soil	79	12	0.27	83	0.049	<1	1.56	0.005	0.26	<0.1	0.01	4.0	0.2	<0.05	9	0.6	<0.2
121454	Soil	104	20	0.53	123	0.167	<1	1.91	0.007	0.60	0.1	0.02	4.0	0.6	<0.05	9	0.7	<0.2
121455	Soil	52	17	0.29	110	0.018	<1	1.49	0.006	0.04	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
120536	Soil	19	19	0.36	109	0.057	<1	1.34	0.005	0.11	0.2	0.01	2.2	0.2	<0.05	5	0.6	<0.2
120537	Soil	22	22	0.43	124	0.065	<1	1.47	0.008	0.10	0.3	0.03	2.6	0.2	<0.05	5	<0.5	<0.2
120538	Soil	16	17	0.26	116	0.031	<1	1.39	0.006	0.10	0.3	0.01	1.7	0.3	<0.05	6	<0.5	<0.2

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Page: 4 of 5 Part 1

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Method	Analyte	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
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
120539	Soil	0.7	8.9	9.1	40	<0.1	10.7	5.1	204	1.98	6.7	1.3	2.2	4.3	7	<0.1	0.4	0.3	37	0.09	0.041
120540	Soil	0.9	8.5	8.5	41	<0.1	11.0	5.2	216	1.99	6.5	1.3	1.5	4.5	7	<0.1	0.3	0.3	37	0.08	0.038
120541	Soil	0.7	18.1	10.6	46	<0.1	12.8	5.8	246	2.18	7.2	4.1	4.2	3.2	9	<0.1	0.4	0.2	34	0.10	0.058
120542	Soil	1.0	12.6	12.0	45	<0.1	13.4	6.6	242	3.04	9.5	2.7	4.2	9.1	7	<0.1	0.4	0.3	38	0.08	0.034
120543	Soil	1.3	12.5	13.9	50	<0.1	14.7	6.1	262	2.51	8.7	7.0	2.1	10.1	7	<0.1	0.4	0.5	37	0.10	0.055
120544	Soil	0.7	5.5	12.9	31	<0.1	7.6	2.8	97	2.44	9.4	1.7	2.4	3.7	7	<0.1	0.3	0.3	47	0.07	0.025
120545	Soil	0.5	5.7	14.1	47	<0.1	10.2	7.1	262	2.49	4.2	6.4	1.4	25.2	5	<0.1	0.2	0.2	30	0.11	0.060
120546	Soil	0.7	6.6	12.8	54	<0.1	8.6	5.3	262	2.59	6.5	4.5	1.8	11.5	7	<0.1	0.3	0.3	31	0.12	0.074
120547	Soil	0.8	5.6	11.6	48	<0.1	9.1	4.0	201	2.90	4.5	4.5	0.7	6.9	5	<0.1	0.2	0.4	23	0.07	0.040
120548	Soil	0.8	8.6	10.9	52	<0.1	11.6	5.0	183	3.29	6.9	5.6	2.3	9.3	6	<0.1	0.3	0.5	29	0.08	0.039
120549	Soil	1.2	13.1	15.7	61	<0.1	17.4	7.7	303	3.51	11.4	1.7	1.9	9.3	9	0.1	0.6	0.6	55	0.08	0.025
120550	Soil	0.7	12.4	12.5	51	<0.1	14.7	6.0	202	2.65	7.4	1.8	4.6	7.7	10	<0.1	0.5	0.9	44	0.09	0.020
120551	Soil	0.9	7.3	10.8	39	<0.1	8.4	3.2	171	2.23	7.7	1.2	3.4	3.2	6	<0.1	0.4	0.5	45	0.05	0.062
121434	Soil	0.9	31.2	23.6	78	<0.1	19.2	8.7	345	3.76	8.5	4.1	5.6	46.6	23	<0.1	0.6	0.4	41	0.34	0.083
121435	Soil	0.9	14.9	15.1	89	<0.1	13.3	9.4	352	4.75	5.5	2.3	1.9	45.5	10	<0.1	0.3	0.5	50	0.22	0.095
121436	Soil	0.8	17.4	14.5	90	<0.1	14.2	8.4	302	3.59	7.7	2.5	0.7	45.1	11	<0.1	0.4	0.3	40	0.26	0.101
121437	Soil	0.7	13.2	17.1	79	<0.1	13.1	7.1	327	3.45	9.0	3.4	1.4	51.3	21	0.2	0.4	0.4	36	0.38	0.115
119624	Soil	0.4	14.0	15.8	75	<0.1	11.1	6.1	222	3.59	4.7	2.0	0.6	29.3	6	<0.1	0.2	0.5	26	0.14	0.063
119625	Soil	1.0	11.8	12.9	50	<0.1	15.8	6.6	207	2.69	9.0	1.5	2.2	8.5	11	0.1	0.5	0.3	46	0.11	0.028
119626	Soil	1.1	15.7	15.9	65	<0.1	21.9	10.1	260	2.85	13.0	0.7	2.3	7.2	9	0.1	0.7	0.3	52	0.08	0.028
119627	Soil	1.0	22.6	14.9	58	<0.1	23.4	8.7	246	2.79	14.0	0.8	1.9	9.4	10	<0.1	0.8	0.3	54	0.07	0.021
119628	Soil	1.0	20.7	13.4	55	<0.1	20.5	6.9	242	2.61	10.5	1.9	<0.5	16.5	14	0.1	0.7	0.3	47	0.14	0.029
119629	Soil	0.8	10.2	15.5	43	<0.1	12.9	5.3	227	2.04	6.4	1.8	0.7	16.4	13	<0.1	0.4	0.3	43	0.14	0.024
119630	Soil	1.1	13.1	16.4	78	<0.1	16.3	8.3	371	4.32	8.1	1.7	1.6	18.5	10	0.2	0.4	0.5	58	0.12	0.083
119631	Soil	0.8	12.7	20.7	86	<0.1	13.8	8.2	393	4.47	7.3	2.5	1.2	41.8	8	0.1	0.4	0.5	61	0.16	0.143
119632	Soil	1.0	23.5	19.5	60	<0.1	21.7	8.4	267	2.91	11.7	1.9	3.2	12.1	10	0.2	0.8	0.7	53	0.08	0.021
119633	Soil	0.9	32.9	15.3	83	<0.1	45.2	15.1	210	4.09	6.6	1.8	<0.5	18.1	7	<0.1	0.3	0.5	40	0.08	0.045
119634	Soil	0.8	14.5	13.2	68	<0.1	15.1	8.6	290	3.43	8.2	2.8	1.7	30.9	9	<0.1	0.4	0.3	46	0.11	0.056
119635	Soil	0.9	26.8	12.0	56	0.1	27.1	10.4	242	2.81	12.4	0.7	2.0	6.0	13	0.1	0.8	0.2	55	0.11	0.021
119636	Soil	0.7	9.6	13.0	45	<0.1	15.1	5.7	230	2.45	9.7	1.5	<0.5	22.0	10	0.1	0.5	0.5	48	0.10	0.076

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Project: Burnham
 Report Date: August 07, 2011

Page: 4 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11000624.1

Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
120539	Soil	12	17	0.28	103	0.047	<1	1.33	0.007	0.08	0.3	0.02	1.5	0.2	<0.05	5	<0.5	<0.2
120540	Soil	12	17	0.28	101	0.047	<1	1.29	0.005	0.08	0.3	0.03	1.6	0.2	<0.05	6	0.7	<0.2
120541	Soil	21	20	0.33	156	0.027	<1	1.32	0.006	0.06	0.2	0.05	2.4	0.2	<0.05	5	0.5	<0.2
120542	Soil	21	23	0.34	126	0.032	<1	1.58	0.005	0.07	0.2	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
120543	Soil	36	22	0.34	113	0.019	<1	1.65	0.006	0.07	0.4	0.03	2.2	0.2	<0.05	5	0.6	<0.2
120544	Soil	14	18	0.25	109	0.023	<1	1.53	0.004	0.04	0.2	0.02	1.4	0.2	<0.05	6	<0.5	<0.2
120545	Soil	40	15	0.34	100	0.097	<1	1.85	0.006	0.32	0.3	0.02	3.7	0.4	<0.05	8	0.6	<0.2
120546	Soil	37	15	0.31	80	0.019	<1	1.40	0.005	0.09	0.3	0.01	1.8	0.2	<0.05	6	0.5	<0.2
120547	Soil	19	11	0.19	90	0.010	<1	1.83	0.005	0.15	0.3	0.01	1.4	0.4	<0.05	6	0.5	<0.2
120548	Soil	17	15	0.27	104	0.016	<1	1.65	0.006	0.12	0.3	<0.01	1.8	0.4	<0.05	7	0.5	<0.2
120549	Soil	9	28	0.43	110	0.020	<1	2.02	0.006	0.08	0.3	0.02	2.3	0.2	<0.05	7	<0.5	<0.2
120550	Soil	13	22	0.40	136	0.038	<1	1.67	0.006	0.10	0.3	0.02	2.1	0.3	<0.05	6	0.5	<0.2
120551	Soil	11	14	0.19	93	0.017	<1	1.17	0.003	0.05	0.2	0.01	1.2	0.2	<0.05	6	<0.5	<0.2
121434	Soil	59	24	0.46	262	0.038	<1	1.84	0.011	0.16	0.2	0.06	5.0	0.2	<0.05	10	<0.5	<0.2
121435	Soil	12	21	0.66	139	0.201	<1	2.79	0.009	0.72	0.3	<0.01	5.2	0.9	<0.05	17	<0.5	<0.2
121436	Soil	51	22	0.43	161	0.045	<1	1.84	0.009	0.24	0.2	<0.01	5.3	0.2	<0.05	11	0.6	<0.2
121437	Soil	66	21	0.47	100	0.108	<1	2.08	0.010	0.47	0.2	<0.01	3.9	0.6	<0.05	10	0.6	<0.2
119624	Soil	11	14	0.32	102	0.002	<1	2.47	0.004	0.06	<0.1	0.01	1.9	0.2	<0.05	8	<0.5	<0.2
119625	Soil	17	23	0.43	137	0.026	<1	1.69	0.005	0.06	0.2	0.01	2.3	0.1	<0.05	6	<0.5	<0.2
119626	Soil	12	29	0.50	141	0.042	<1	1.94	0.005	0.07	0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
119627	Soil	15	34	0.49	142	0.048	1	2.10	0.006	0.06	0.1	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
119628	Soil	41	28	0.48	147	0.031	<1	1.80	0.007	0.06	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
119629	Soil	56	22	0.39	128	0.032	<1	1.25	0.006	0.04	0.1	0.01	2.0	0.1	<0.05	5	<0.5	<0.2
119630	Soil	14	26	0.53	123	0.015	<1	2.07	0.005	0.07	0.1	<0.01	2.4	<0.1	<0.05	12	<0.5	<0.2
119631	Soil	56	26	0.46	108	0.028	<1	2.68	0.006	0.15	0.2	0.02	3.4	0.2	<0.05	13	0.6	<0.2
119632	Soil	23	32	0.47	184	0.060	<1	1.99	0.010	0.06	0.5	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
119633	Soil	24	37	0.59	121	0.015	<1	2.51	0.005	0.15	0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
119634	Soil	49	25	0.49	142	0.040	<1	2.17	0.006	0.13	0.1	0.02	3.0	0.1	<0.05	9	<0.5	<0.2
119635	Soil	11	37	0.57	223	0.061	<1	2.32	0.009	0.05	0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
119636	Soil	34	21	0.35	114	0.020	<1	1.84	0.005	0.08	1.2	0.02	2.2	0.1	<0.05	6	<0.5	<0.2

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 Report Date: August 07, 2011

Page: 5 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11000624.1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
119637	Soil	0.9	6.9	13.7	60	<0.1	9.3	4.0	223	2.33	5.8	0.5	1.3	7.5	9	0.1	0.4	0.3	46	0.08	0.051
120532	Soil	1.2	10.1	15.1	46	<0.1	15.2	6.6	208	3.43	12.0	1.0	0.7	7.8	12	<0.1	0.6	0.3	61	0.09	0.034
120533	Soil	0.6	10.2	11.7	82	<0.1	11.8	6.6	341	3.96	5.4	3.2	<0.5	28.9	5	0.1	0.3	0.4	34	0.05	0.039
120534	Soil	1.0	16.1	14.5	61	<0.1	19.3	8.2	255	2.90	16.0	2.7	1.5	14.2	9	0.1	0.7	0.2	44	0.07	0.031
120535	Soil	1.1	10.5	14.5	51	<0.1	14.3	6.2	231	2.92	11.6	1.2	2.8	8.3	11	<0.1	0.6	0.3	58	0.09	0.029
118617	Soil	0.6	16.1	14.0	61	<0.1	16.3	9.4	243	3.28	9.4	1.6	2.9	32.4	12	<0.1	0.5	0.2	48	0.16	0.046
118618	Soil	0.5	16.6	12.1	51	<0.1	15.3	8.0	248	3.04	8.5	2.0	1.4	22.0	11	<0.1	0.4	0.3	51	0.14	0.049
119607	Soil	1.5	11.4	15.2	59	<0.1	16.7	9.1	301	3.19	13.3	1.2	2.5	6.1	10	0.3	0.7	0.5	61	0.08	0.043
119608	Soil	1.3	13.4	15.8	53	<0.1	17.9	7.2	348	3.05	16.1	0.9	0.7	2.8	9	0.2	0.7	0.8	56	0.08	0.051
119609	Soil	1.1	18.7	14.4	60	<0.1	18.3	9.1	333	2.98	12.8	1.7	2.0	7.3	10	<0.1	0.7	0.3	61	0.07	0.023
119610	Soil	1.2	17.3	19.2	56	<0.1	18.5	6.7	267	2.93	16.3	5.7	2.3	9.8	13	<0.1	0.6	0.7	49	0.10	0.044
119611	Soil	1.4	23.8	14.7	73	<0.1	26.7	9.7	312	2.88	16.0	1.6	2.0	7.1	11	0.2	0.8	1.0	49	0.08	0.036
119612	Soil	1.6	19.5	17.9	86	<0.1	25.4	10.0	305	3.63	16.5	1.0	1.7	5.1	10	0.2	0.8	1.6	65	0.08	0.043
119613	Soil	1.2	13.1	14.7	57	0.2	12.5	6.8	249	2.64	9.6	1.1	0.5	5.5	9	0.3	0.7	0.3	52	0.08	0.043
119614	Soil	1.3	10.4	14.2	55	<0.1	14.4	8.7	572	2.80	10.5	0.7	<0.5	4.0	10	<0.1	0.6	0.3	59	0.10	0.062
119615	Soil	1.1	19.3	13.3	60	<0.1	22.0	8.2	269	2.71	16.1	0.9	1.7	5.0	8	<0.1	0.8	0.3	46	0.06	0.033
119616	Soil	1.0	21.2	13.7	61	<0.1	22.7	8.8	236	2.77	15.7	1.0	1.2	8.7	8	<0.1	0.9	0.3	47	0.06	0.023
119617	Soil	1.2	19.6	14.3	63	<0.1	20.9	9.0	253	3.11	11.4	2.0	<0.5	13.0	11	<0.1	0.6	0.2	49	0.10	0.021
119618	Soil	0.9	25.5	10.9	74	<0.1	28.4	13.7	240	3.09	10.2	0.7	2.0	5.1	12	<0.1	0.5	0.2	43	0.10	0.036
119619	Soil	1.2	13.9	11.2	69	<0.1	13.7	7.6	305	3.58	10.4	2.0	<0.5	15.0	9	0.2	0.5	0.3	55	0.12	0.076
119620	Soil	0.6	15.1	12.1	73	<0.1	13.9	9.5	324	3.30	8.3	2.3	2.1	28.3	8	<0.1	0.4	0.3	43	0.14	0.086
119621	Soil	1.2	11.4	10.6	74	<0.1	14.4	10.4	439	3.45	10.7	1.8	<0.5	15.9	8	<0.1	0.5	0.9	42	0.09	0.077
119622	Soil	1.0	15.8	12.9	60	<0.1	16.9	9.3	283	3.05	9.9	1.8	<0.5	14.3	7	<0.1	0.5	0.6	34	0.08	0.061
119623	Soil	1.3	12.2	11.9	68	<0.1	17.4	8.8	343	3.03	12.3	0.9	<0.5	11.1	9	0.1	0.6	0.3	50	0.08	0.054



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Page: 5 of 5 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
119637	Soil	20	17	0.24	104	0.017	<1	1.32	0.004	0.05	0.2	0.01	1.4	0.1	<0.05	6	<0.5	<0.2
120532	Soil	19	27	0.38	209	0.037	2	2.06	0.006	0.05	0.7	0.03	2.3	0.2	<0.05	7	<0.5	<0.2
120533	Soil	12	18	0.43	106	0.107	<1	2.74	0.006	0.31	2.2	0.01	3.1	0.8	<0.05	12	<0.5	<0.2
120534	Soil	15	25	0.46	131	0.038	<1	1.93	0.006	0.10	0.3	0.02	2.3	0.3	<0.05	6	0.5	<0.2
120535	Soil	19	28	0.40	139	0.042	<1	1.97	0.006	0.06	0.2	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
118617	Soil	44	25	0.51	129	0.066	<1	2.00	0.006	0.20	0.4	0.03	3.8	0.2	<0.05	8	<0.5	<0.2
118618	Soil	40	26	0.46	145	0.065	<1	1.91	0.007	0.19	0.4	<0.01	3.3	0.2	<0.05	7	0.7	<0.2
119607	Soil	19	32	0.45	164	0.045	<1	2.08	0.008	0.04	0.2	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
119608	Soil	12	26	0.38	157	0.036	<1	1.60	0.006	0.06	0.3	0.03	1.9	0.1	<0.05	6	<0.5	<0.2
119609	Soil	17	33	0.46	168	0.058	<1	1.99	0.008	0.05	0.2	0.04	3.8	0.2	<0.05	6	<0.5	<0.2
119610	Soil	22	26	0.46	196	0.016	<1	2.13	0.007	0.07	0.3	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
119611	Soil	11	28	0.51	158	0.030	<1	1.91	0.006	0.06	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
119612	Soil	11	36	0.57	194	0.036	2	2.58	0.007	0.06	0.2	0.03	2.6	0.1	<0.05	7	<0.5	<0.2
119613	Soil	13	23	0.33	178	0.031	<1	1.72	0.008	0.06	0.2	0.02	1.9	0.1	<0.05	6	<0.5	<0.2
119614	Soil	11	27	0.40	152	0.029	<1	2.29	0.006	0.04	0.2	0.04	2.1	0.1	<0.05	6	<0.5	<0.2
119615	Soil	10	28	0.40	98	0.035	1	1.89	0.005	0.08	0.2	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
119616	Soil	14	30	0.44	152	0.039	1	1.97	0.005	0.05	0.2	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
119617	Soil	22	31	0.47	185	0.028	<1	2.21	0.008	0.07	0.2	0.03	3.3	0.1	<0.05	6	0.6	<0.2
119618	Soil	14	32	0.61	160	0.040	<1	1.97	0.007	0.09	0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
119619	Soil	15	26	0.43	120	0.079	<1	1.98	0.006	0.20	0.2	0.03	3.1	0.3	<0.05	9	<0.5	<0.2
119620	Soil	45	26	0.45	130	0.035	<1	2.13	0.005	0.14	0.2	0.02	3.4	0.2	<0.05	8	<0.5	<0.2
119621	Soil	30	23	0.37	138	0.030	<1	2.05	0.005	0.13	0.2	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
119622	Soil	23	22	0.39	110	0.019	<1	1.94	0.006	0.07	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
119623	Soil	15	28	0.41	146	0.046	<1	1.92	0.005	0.10	0.2	0.02	2.7	0.1	<0.05	6	<0.5	<0.2



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Project: Burnham
Report Date: August 07, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11000624.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
121476	Soil	0.7	27.1	10.8	80	<0.1	20.6	10.8	448	4.07	7.9	3.0	1.2	32.3	10	<0.1	0.5	0.2	62	0.12	0.040
REP 121476	QC	0.7	27.2	10.6	80	<0.1	20.5	10.6	449	4.14	8.2	3.1	1.3	32.7	10	<0.1	0.5	0.2	61	0.12	0.041
121457	Soil	0.8	14.3	8.1	58	<0.1	16.5	9.4	218	3.32	8.9	0.8	0.9	14.5	11	<0.1	0.4	0.2	52	0.12	0.050
REP 121457	QC	0.8	14.6	7.7	55	<0.1	15.9	9.2	219	3.27	8.6	0.8	<0.5	14.6	11	<0.1	0.4	0.2	51	0.13	0.052
121471	Soil	0.7	10.5	11.6	45	<0.1	11.5	5.7	230	2.21	6.6	1.3	3.0	7.2	7	<0.1	0.4	0.6	31	0.10	0.038
REP 121471	QC	0.9	10.2	11.9	44	<0.1	10.9	5.5	225	2.22	6.4	1.3	3.1	7.6	7	<0.1	0.4	0.6	31	0.09	0.041
120546	Soil	0.7	6.6	12.8	54	<0.1	8.6	5.3	262	2.59	6.5	4.5	1.8	11.5	7	<0.1	0.3	0.3	31	0.12	0.074
REP 120546	QC	0.8	5.9	12.8	52	<0.1	7.9	5.8	269	2.61	6.0	4.4	1.0	11.6	6	<0.1	0.2	0.3	32	0.12	0.072
119624	Soil	0.4	14.0	15.8	75	<0.1	11.1	6.1	222	3.59	4.7	2.0	0.6	29.3	6	<0.1	0.2	0.5	26	0.14	0.063
REP 119624	QC	0.5	13.5	16.9	77	<0.1	10.5	6.1	223	3.47	4.8	2.0	1.0	29.8	7	<0.1	0.2	0.5	27	0.14	0.064
119634	Soil	0.8	14.5	13.2	68	<0.1	15.1	8.6	290	3.43	8.2	2.8	1.7	30.9	9	<0.1	0.4	0.3	46	0.11	0.056
REP 119634	QC	0.7	14.7	13.0	64	<0.1	15.9	8.5	297	3.38	7.8	2.6	0.5	29.7	10	0.1	0.4	0.2	45	0.12	0.054
Reference Materials																					
STD DS8	Standard	11.5	99.8	120.5	299	1.7	33.1	6.8	552	2.25	26.3	2.5	96.4	6.2	65	2.0	5.1	6.7	36	0.64	0.077
STD DS8	Standard	12.3	103.8	125.9	304	1.9	36.1	7.3	596	2.43	26.6	2.8	115.4	7.0	71	2.3	5.7	7.1	35	0.68	0.076
STD DS8	Standard	13.5	113.9	109.1	308	1.8	39.2	8.0	623	2.48	27.5	2.6	113.2	6.4	63	2.4	5.1	6.1	44	0.72	0.080
STD DS8	Standard	13.2	110.6	107.6	302	1.8	38.2	7.8	621	2.42	26.0	2.5	110.0	6.1	62	2.4	4.9	6.1	43	0.68	0.078
STD DS8	Standard	12.7	111.3	142.5	314	1.8	38.6	7.6	618	2.52	28.1	3.2	121.4	7.4	71	2.4	6.1	7.8	44	0.69	0.079
STD DS8	Standard	13.0	111.5	138.5	325	1.8	39.7	7.7	636	2.52	28.3	3.0	121.0	7.6	74	2.5	6.3	7.7	44	0.72	0.083
STD DS8	Standard	14.2	114.9	121.9	317	1.9	39.8	7.9	624	2.54	27.0	2.7	112.4	6.9	59	2.4	4.9	5.5	45	0.70	0.082
STD DS8	Standard	12.1	95.6	111.0	268	1.6	34.0	6.2	525	2.14	23.0	2.5	119.2	6.0	53	2.3	5.0	5.0	38	0.61	0.069
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



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 Report Date: August 07, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11000624.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
121476	Soil	127	33	0.64	193	0.113	<1	2.43	0.009	0.30	0.2	0.03	7.6	0.4	<0.05	10	0.6	<0.2
REP 121476	QC	132	32	0.64	196	0.113	1	2.38	0.007	0.30	0.2	0.03	7.6	0.4	<0.05	10	<0.5	<0.2
121457	Soil	13	26	0.53	169	0.106	<1	2.38	0.007	0.32	0.2	<0.01	3.8	0.4	<0.05	10	<0.5	<0.2
REP 121457	QC	12	25	0.52	165	0.101	<1	2.37	0.006	0.32	0.2	0.01	3.7	0.4	<0.05	10	<0.5	<0.2
121471	Soil	24	18	0.29	128	0.018	<1	1.36	0.005	0.05	0.2	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
REP 121471	QC	25	17	0.29	131	0.017	<1	1.37	0.005	0.06	0.2	0.03	1.8	0.1	<0.05	4	<0.5	<0.2
120546	Soil	37	15	0.31	80	0.019	<1	1.40	0.005	0.09	0.3	0.01	1.8	0.2	<0.05	6	0.5	<0.2
REP 120546	QC	37	15	0.31	81	0.019	<1	1.39	0.004	0.09	0.3	<0.01	1.7	0.1	<0.05	6	0.9	<0.2
119624	Soil	11	14	0.32	102	0.002	<1	2.47	0.004	0.06	<0.1	0.01	1.9	0.2	<0.05	8	<0.5	<0.2
REP 119624	QC	11	14	0.33	105	0.002	<1	2.45	0.005	0.06	0.1	0.02	1.9	0.2	<0.05	8	<0.5	<0.2
119634	Soil	49	25	0.49	142	0.040	<1	2.17	0.006	0.13	0.1	0.02	3.0	0.1	<0.05	9	<0.5	<0.2
REP 119634	QC	47	25	0.47	137	0.041	<1	2.16	0.005	0.13	<0.1	0.02	3.0	0.1	<0.05	9	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	107	0.58	256	0.101	2	0.84	0.093	0.42	2.8	0.18	2.4	5.0	0.17	5	4.6	3.8
STD DS8	Standard	14	113	0.59	269	0.113	2	0.92	0.106	0.43	3.1	0.19	2.5	5.2	0.16	5	4.2	5.4
STD DS8	Standard	15	119	0.61	285	0.118	2	0.93	0.094	0.44	2.9	0.19	2.3	5.6	0.17	5	5.2	4.9
STD DS8	Standard	14	118	0.60	280	0.112	2	0.90	0.091	0.42	2.9	0.21	2.2	5.5	0.16	5	5.5	4.5
STD DS8	Standard	15	121	0.62	273	0.125	1	0.93	0.087	0.42	3.1	0.22	2.1	5.5	0.19	5	5.0	5.9
STD DS8	Standard	15	122	0.63	284	0.130	2	0.91	0.088	0.43	3.0	0.21	2.1	5.5	0.19	5	5.0	5.1
STD DS8	Standard	15	122	0.63	285	0.116	3	0.97	0.091	0.44	3.0	0.18	2.4	5.3	0.14	5	5.3	4.2
STD DS8	Standard	13	101	0.55	241	0.103	3	0.78	0.074	0.36	2.6	0.19	1.7	4.6	0.08	4	4.2	3.9
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

Appendix D – Airborne Geophysical Survey (Volume III)

2011 Surface Work

**On the
Burnham Property**

BH 1 to 200 YE25001 to YE25200
BH 201 to 376 YE46201 to YE46376
BH 377 to 660 YE45377 to YE45660

**Dawson Mining District, Yukon
NTS Sheets 115O15 (Flat Creek) & 115009 (Australia Mountain)
63°42'N. Lat., 138°18'W. Long.**

Operated by and Recorded to



**By
Mark Fekete, P.Geo.
and
Ben Dubois, B.Sc., G.I.T
January 30, 2012**