

Prospecting, Soil Geochemistry, Airborne Magnetic and
Radiometric Surveying, and Airphoto-Orthophoto Surveying on
the Wolf Project, White Gold District
Yukon Territory, Canada

Wolf 1-42 (YC83707-YC83748)

Wolf 43-56 (YD89953-YD89966)

Wolf 57-110 (YD89967-YD90020)

Wolf 111-186 (YD97071-YD97146)

Wolf 187-230 (YD97147-YD97190)

Cu 1-8 (YC08871-YC08878)

NTS MAP-SHEET 115N/01 & 116K/19

63°1'58"N 140°11'52"W

E540584 / N6989483 NAD83, Zone 7N

WHITEHORSE MINING DISTRICT

Work completed: June 2011 to October 2011

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1 Introduction

On November 30th, 2010 Ethos Gold Corp. (“Ethos”) acquired an option to purchase the Wolf property (“Wolf”) from Shawn Ryan (70%) and Wildwood Explorations Inc. (30%) in consideration of certain cash commitments, shares and reservation of a 2% net smelter return royalty (“NSR”).

1.1 Scope of Work

This report describes the exploration history, geology and mineral potential of the Wolf property, including work performed by Ethos Gold Corp during the period June 2, 2011 to September 15, 2011. A review of historical industry work and other information within the immediate and surrounding region is included. Regional geology, associated data and current exploration information have been reviewed to determine the geological setting and potential for mineralization.

The author visited the property during the period June 12th to June 30th 2011 and again in August and early September 2011 in order to perform a comprehensive audit of work completed during the 2011 field season.

1.2 Work Program

The objective of 2011 exploration on the Wolf property was to evaluate a gold-in-soil geochemical anomaly associated with a felsic intrusion and proximal to the interpreted westward extension of a westerly trending fault (the Coffee Fault, or similar). Due to the remote and rugged location adjacent to the White River, the exploration methodology was intended to find bulk-tonnage gold deposits with a notional 3 M oz size; thus the targeting is coarse and intended to quickly provide evidence of widespread gold mineralization.

The 2011 exploration on the Wolf property included collection and analysis of 2,194 soil samples, prospecting and rock sampling, airborne magnetics and radiometric surveying, air-photo imagery acquisition and orthophotography. A total of 73 man-days exploration work was completed during the 2011 field season plus work by contractors up to September 15, 2011. Ethos established a ‘base camp’ in Dawson at the Bonanza Gold Motel for the summer where between 5 and 10 personnel were based. Ethos contracted Heli-Dynamics of Whitehorse YT who provided a Bell 206 Long Ranger or a Bell 407 (or both) based at the “Druid” helipad in Dawson YT during 2011. Property access was provided via daily helicopter flight from Dawson to the targeted areas within each property. The airborne magnetics and radiometric survey was based in Kaminak Gold Corporation “Coffee” camp and used a Northern Air Support Long Ranger helicopter. The soil survey was based in a series of locally mobile field camps on the Wolf property and supported by TransNorth A-Star helicopter from the Thistle airstrip. The airphoto survey was based in Dawson and used a Piper Cherokee fixed-wing airplane to complete the photography.

1.3 Terms, Definitions & Units

The following terms and abbreviations are used within this report:

- Distances are reported in meters (m), kilometres (km) and feet (ft).
- Costs are reported in Canadian dollars (CAN\$).
- Locational information is reported in both Latitude-Longitude and UTM grid (Easting, Northing) NAD83, Zone 7N.

- Geochemical data is reported in parts per million (ppm) the equivalent to grams per tonne (g/t) and ounces per tonne (oz/t), as well as parts per billion (ppb).
- QAQC refers to quality assurance and quality control.
- Geological ages include: Ka (thousand) and Ma (million) years ago.
- Elemental abbreviations include: antimony (Sb), arsenic (As), bismuth (Bi), copper (Cu), gold (Au), iron (Fe) and silver (Ag).
- Mineralogical abbreviations include: pyrite (Pyr) and pyrrhotite (Po) [iron sulphides], limonite (Lim) [hydrated iron oxide], magnetite (Mag) [iron oxide], chalcopyrite (Cpy) [copper sulphide] and molybdenite (Mo) [molybdenum sulphide].
- MINFILE showing refers to documented mineral occurrences compiled by the Yukon Geological Survey.
- Directional units include: north (N), east (E), south (S), west (W) and may be used in combination (*i.e.*, NNE for north-northeast).

1.4 Source Documents

The following sources of information were used in writing this technical report and include private company data and information available on the public domain:

- Review of published and scientific papers on geology on the region and on mineral deposit types
- Review of geological maps and reports completed by the Yukon Geological Survey and the Geological Survey of Canada
- Research on the Yukon Geological Survey's MINFILE database (<http://servlet.gov.yk.ca/ygsmin/index.do>) and Map Viewer (<http://maps.gov.yk.ca/imf.jsp?site=YGS>)
- Review of previously written assessment and YMIP reports at the Energy, Mines & Resources Library (<http://www.emr.gov.yk.ca/library/>)
- Review of publically available data, including news releases, on Ethos Gold Corp. (www.ethosgold.com/s/home.asp)
- Work directed and performed by the author on the Wolf Claims during June to mid-September, 2011.

1.5 Geotechnical Information

Ethos uses NAD83 Zone 7 coordinates for geographic positioning system ("GPS"). Coordinates are expressed in NAD83 Zone 7 unless specified otherwise. Ethos employees and consultants are provided with Garmin "GPSMap 62s" model GPS devices, which can automatically record continuous route tracks as well as set waypoint information. The Garmin GPS devices are assumed accurate to within 5 meters horizontally and within 10 meters on elevation. Cameras were synchronized with clocks on individuals GPS units so that photographs could be geo-tagged using Garmin Basemap software. Tracks were continuously recorded daily for mapping and prospecting surveys, waypoints entered with notes where features of interest were encountered, and photographs tagged to individual waypoint and sample locations.

1.6 Limitations, Restrictions and Assumptions

The author has assumed that the previous and documented work on the property is valid and has not encountered any information to discredit such work.

1.7 Reliance on Other Experts

The author has relied in part upon work and reports completed by others in previous years and in the preparation of this technical report. The authors' opinion contained herein is based on information obtained to date, which in turn reflect various technical and economic conditions; given the nature of the mining industry, these conditions can change rapidly over relatively short periods of time. Furthermore, thorough checks to confirm results of such reports and work has not been completed and unless otherwise stated the author has not independently confirmed the accuracy of the data. To the authors knowledge there are no known litigations potentially affecting the Wolf project. Title documents and option agreements were reviewed for this study, this report does not constitute, nor is it intended to represent a legal opinion as to the validity of the title. The project is an early stage exploration property and therefore, the company has created limited surface disturbances.

1.8 Qualified Person and Participating Personnel

Mr. Peter Tallman, P.Geo., Chief Operating Officer (COO) of Ethos Gold Corporation (Vancouver, British Columbia) examined the property, geology and mineral potential to make recommendations for the next phase of exploration work in order. Mr. Tallman directed and worked on the property during the period June 2 to September 15, 2011.

2 Property Location & Description

2.1 Location & Land Tenure

The 4,820-hectare property is located in west-central Yukon in the White Gold district and is at an early exploration phase. The Wolf and Cu comprise 238 contiguous quartz claims (refer to *Table 1. Wolf Property Claim Summary*, below and Figure 1) on NTS map sheets 115N/01 and 116K/19. The Wolf Property lies approximately 15 km southeast of the confluence of the White and Ladue Rivers, centered at latitude 63°1'55"N and longitude 140°11'34"W, approximately 120 km southwest of Dawson City and 540 km north of Whitehorse via a paved highway. The project falls within the Whitehorse Mining District. The boundaries of the property have not been legally surveyed. Refer to *Appendix I. Mineral Tenure of the Wolf* for a detailed statement of claims.

Table 1. Wolf Property Claim Summary

Claim Group Name	Claim No. (from)	Claim No. (to)	Grant No. (from)	Grant No. (to)	Expiry Date*	Total No.
CU	1	8	YC08871	YC08878	01/08/16	8
Wolf	1	42	YC83707	YC83748	04/08/18	42
Wolf	43	110	YD89953	YD90020	09/28/16	68
Wof	111	230	YD97071	YD97190	09/29/16	120
TOTAL CLAIMS-						238
APPROXIMATE TOTAL AREA (ha)-						4820 ha

*Claim expiry date based upon acceptance of this report.

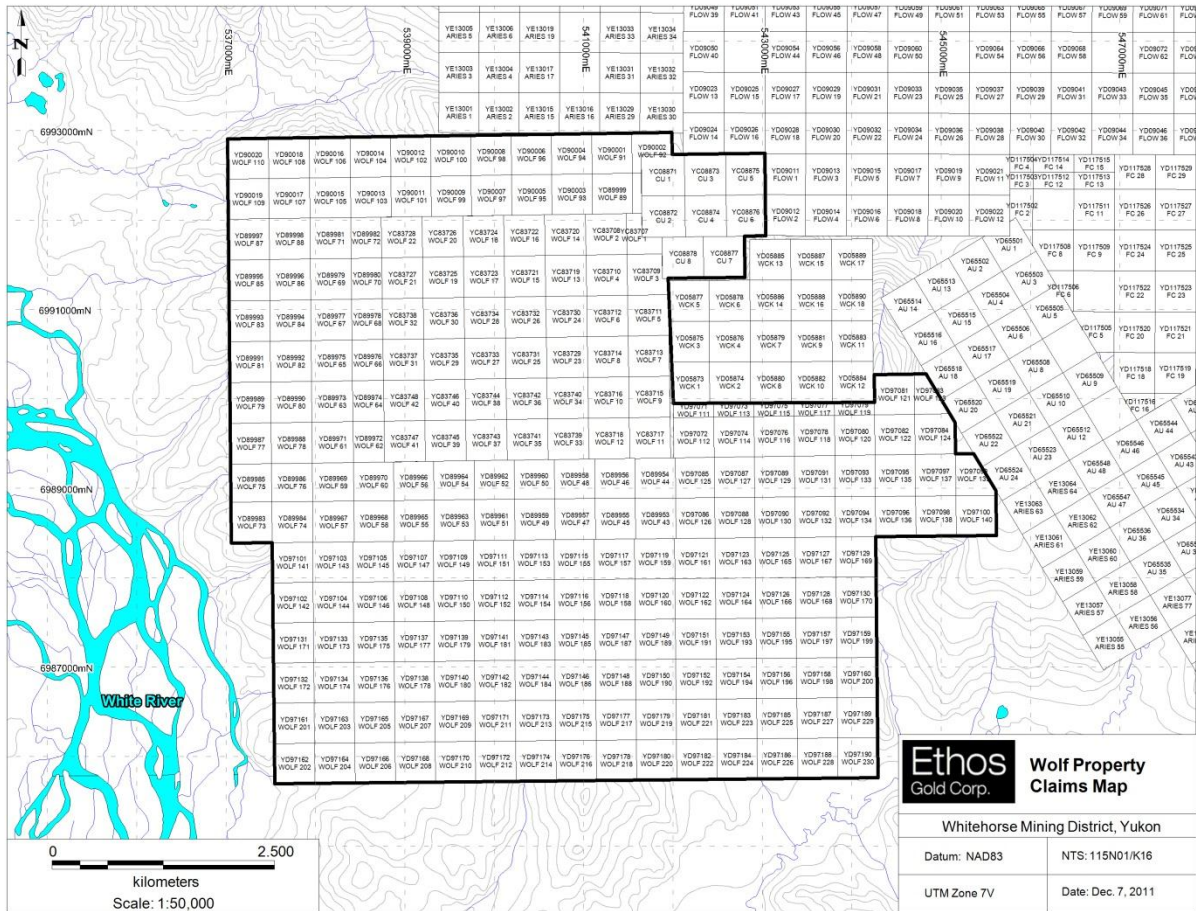


Figure 1. Wolf Property Claims Map



Photo 1. Aerial view of the White River, Yukon looking north with the Wolf Property to the right.

2.2 Underlying Agreements

The Wolf Property, consisting of the Wolf and Cu claims, was optioned from Shawn Ryan (70%) and Wildwood Explorations Inc. (30%) (the “vendors”) by agreement dated November 30, 2010. Under the terms of the Wolf agreement, Ethos can earn a 100% interest through a series of staged payments and issuance of shares over four years, totaling \$550,000 cash and 1,250,000 common shares and by incurring \$2,500,000 in staged exploration expenditures by October 15th 2015. An additional 250,000 common shares are payable upon Ethos having incurred \$4,000,000 in cumulative expenditures and an additional 250,000 common shares upon Ethos having incurred a cumulative total of \$7,500,000 in expenditures. The vendor will retain a 2% underlying net smelter return royalty (NSR) of which 1% may be purchased for \$2,500,000. Commencing October 30th 2015 annual cash payments of \$30,000, deductible against the royalty, are payable to the vendors until commencement of commercial production.

The claims are located within the Traditional Territory of the Tr’ondëk Hwëch’in (TH) First Nation. The TH has settled their land claims in the area and no First Nation land settlement occurs within the Wolf area. The closest First Nation surveyed land (SFN R-12A) is situated 5 km south of the property. The Wolf claims are situated on Crown Land and therefore the mineral claims fall under the jurisdiction of the Yukon Government. Surface rights would have to be obtained from the government should the property go into development.

As required by the Yukon Quartz Mining Act, a mineral claim holder must perform \$100 assessment work per claim, per year and document this work to maintain the title, or otherwise pay \$100 in lieu per claim, per year to maintain title to the claims.

Early exploration activities do not require permitting, however significant drilling, trenching, blasting, line cutting and excavating may require a Mining Lands Use Permit (MLUP) that must be approved under the Yukon Environmental Socioeconomic Assessment Act (YESAA). To the author’s knowledge, the property does not cover any environmental liabilities.

3 Accessibility, Local Resources, Infrastructure, Physiography & Climate

3.1 Access, Local Resources & Infrastructure

The project is centered at latitude of 63°1' 55"N and a longitude of 140°11' 54" W (E540568, N6989419 NAD 83, Zone 7N). The claims are accessible via helicopter from Dawson City (120 km), which is 536 km north from Whitehorse via a paved highway (Figure 2). Alternatively, the property can be accessed by fixed wing to the Thistle Airstrip (E6995390, N586256 NAD 83, Zone 7N), followed by a 45 km helicopter flight to the claims. A barge landing is present at the mouth of Thistle Creek via the Yukon River from Dawson City, the largest town with amenities. Water is available from the northerly and westerly tributaries of the White River.

Dawson City, home of the historic 1896-1899 Klondike Gold Rush has approximately 1300 residents and draws nearly 60,000 visitors each year. Main industries in Dawson City are tourism and placer mining. Heavy equipment repair and rental, a lumber mill, freighting and trucking companies and a mining oriented labour force is available for contract exploration and mining work. An airport with air service to Whitehorse and Fairbanks, Alaska and two helicopter company bases are present providing

transportation. Facilities include a health center, grocery stores, a police station, service stations (tire repair and propane sales), welding and machine shops, accommodation and restaurants.



Figure 2. Wolf Property Location Map

3.2 Physiography & Climate

The area of interest covers low rolling hills within the Dawson Range on the unglaciated Yukon Plateau. Elevations range from 1400' (427 m) in the southwestern corner along the White River to 4600' (1402 m) in the northwestern corner. The climate is characterized by continental subarctic conditions with average temperatures ranging from 15.6°C (60°F) in July to -26.7°C (-16°F) in January. The area has a northern interior climate with moderate precipitation (200 mm of rain and 160 mm of snow).

The property is drained by the northerly and westerly flowing tributaries of the White River. Vegetation is typical boreal forest (white spruce, birch, poplar and black spruce) with sparse vegetation above elevations of 3500' (1067 m) dominated by buckbrush and sparse tree cover.

Exploration in the region typically begins in late May and ends in late September. The nearest hydroelectric power source to the Wolf claims is Beaver Creek close to the Yukon-Alaska border.

4 Property History

The Dawson Range has been placer mined since the c.1900's and explored for copper porphyry mineralization since the 1960s. The property covers the Aries and Libra MINFILE occurrences (115N 021 and 115N 022, respectively), a copper porphyry and an unknown showing. The most explored region on the claims is the Aries copper-porphyry showing, which occurs on the Cu 2 claim.



Photo 2. View of Aries Showing (from west) [Ethos 2011 photo].

Modern exploration began in 1998 and was increased in 2008 with more aggressive geochemical sampling. A total of 725 historical soil samples were collected on the property by vendors Shawn Ryan and Wildwood Explorations Inc. In 2007, Underworld Resources discovered the nearby Golden Saddle gold deposit (now owned by Kinross Gold Corporation). Since 2007 a modern-day gold rush has ensued in the region.

The property history summarized in *Table 2*, is based upon information from the YGS's MINFILE capsule 115N 021 and 022 (Aries and Libra; Deklerk (*compiler*), 2011), 'Mineral Industry Reports', various 'Yukon Exploration and Geology' and assessment reports.

Table 2. Wolf Property – Work History

Dec/1969	Originally staked as Aries (Y45966) by Quintana Minerals Corporation and Libra (Y48725) by Al Carlos (Deklerk, 2011).
1970	Geochemical grid soil sampling, geological mapping and bulldozer trenching on the Aries claims (Quintana Minerals Corp.) and optioning of Libra to Astor Minerals Ltd., which conducted an aeromag survey in a JV with Marguerite Lake Minerals Ltd. (Deklerk, 2011).
Jul/1998	Restaked as Cu (YC08871) by S. Ryan who carried out geochemical rock, soil and silt sampling later that year. Samples returned anomalous copper (≤ 528 ppm), arsenic with minor gold (≤ 57 ppb), lead, bismuth and tungsten indicating porphyry-style mineralization. A quartz vein sample reported 1954-ppm copper (Ryan, 1999).
1999	Geochemical sampling (43 silt, 68 pan-concentrate, 37 soil and 26 rock) and geological mapping by Deltango Gold Ltd. returned anomalous results from a small weakly porphyritic, potassic-altered granitic plug in the Aries area (Jilson and Brownlee, 2000).
2008-2009	Geochemical soil sampling (601 samples) and 16 line-km of ground magnetics by Ryanwood Explorations Inc. outlining three significant gold (≤ 167 ppb) \pm antimony (≤ 97.7 ppm), arsenic (≤ 534 ppm) and bismuth (≤ 33.5 ppm) soil anomalies (Ryan, 2010).

5 Geological Setting

5.1 Regional Geology

The project is located on the 1:250,000-scale 115N map-sheet, which was completed in 1974 by Templeman-Kluit (Geology, Stewart River, Yukon (NTS 115N), GSC Preliminary Map 18-1973). In 2005, Gordey and Ryan re-compiled the map (GSC Open File 4970).

The property occurs within the Yukon-Tanana terrane (YTT), which underlies much of central and western Yukon. Its history and tectonic evolution, particularly prior to mid-Mesozoic time, has been largely obscured by younger magmatism and tectonism. The YTT is primarily a product of episodic continental arc magmatism, forming a sequence of accreted pericratonic terranes that form a large portion of the Omineca Belt. The terrane underlies part of the Tintina gold belt and hosts gold deposits related to Mesozoic intrusions, including the Sonora Gulch gold deposit and the Casino copper-gold-molybdenum porphyry, located southeast of the Coffee project (Bennett *et al.*, 2009). The widespread YTT is defined by metamorphosed and deformed metasedimentary and metavolcanic rocks that were accreted along foliation-parallel thrust faults and later deformed in the late Paleozoic, creating multiple penetrative rock fabrics. In the Late Cretaceous the Dawson Range intrusions (felsic stocks and related rhyolite dykes) cross cut the aforementioned stratigraphy.

The claims cover a portion of the unglaciated Dawson Range, wedged between the northwest-striking Tintina fault to the northeast and the Denali fault to the southwest. The Dawson Range is characterized

by metamorphosed basement rocks of the YTT and is intruded by voluminous Jurassic to Cretaceous intrusions, largely the mid-Cretaceous Dawson Range Batholith.

The YTT is represented in the area of interest by Devonian to Mississippian-aged Nasina Assemblage (410-323 Ma, DMN₃), which is intruded by Early Jurassic Aishihik Suite (192-185 Ma, EJga). In the Mid-Cretaceous, smaller felsic stocks and related rhyolite dykes of the Whitehorse Suite (112-105 Ma, mKp) intruded the above stratigraphy. Finally, in the Late Cretaceous, unconformable Carmacks Group (~70 Ma, uKC) andesite and basaltic flows overlain the aforementioned units (see *Table 3. Regional Geological Units*).

Table 3. Regional Geological Units (Gordey, S.P. and Makepeace, A.J. (compilers), 2003).

<i>Unit</i>	<i>Age</i>	<i>Rock Type</i>
Carmacks Group (uKC)	Upper Cretaceous (~70 Ma)	A volcanic succession dominated by basic volcanic strata including augite olivine basalt and breccia, hornblende feldspar porphyry andesite and dacite flows, vesicular, augite phyric andesite and trachyte, minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks.
Whitehorse Suite (mKp)	mid-Cretaceous (112-105 Ma)	Biotite quartz-monzonite, biotite granite and leucocratic, pink granophyric quartz monzonite, porphyritic biotite leucogranite, locally porphyritic (K-feldspar) hornblende monzonite to syenite, and locally porphyritic leucocratic quartz monzonite.
Aishihik Suite (EJga)	Early Jurassic (192-185 Ma)	Medium- to coarse-grained, foliated biotite-hornblende granodiorite; biotite-rich schlieren and gneiss schlieren; foliated hornblende diorite to monzodiorite with local k-spar megacrysts.
Nasina Assemblage (DMN ₃)	Devonian and Mississippian (410-323 Ma)	Quartzite, micaceous quartzite, quartz muscovite (± chlorite, feldspar-augen) schist and minor metaconglomerate and metagrit (but may locally include significant Klondike Schist).

5.2 Property Geology

Rocks within the Wolf property area consist of Jurassic-age granodiorite, probably a phase of the Aishihik Suite, which intrude the Devonian and Mississippian-aged quartz-mica schist to paragneiss Nasina Assemblage (410-323 Ma, DMN₃). A body of possible Permian-aged K-feldspar augen-bearing orthogneiss lies 1 km-northeast of the property (Pautler, 2011). A small intrusive body of medium-grained, weakly porphyritic hornblende-biotite granite was delineated at the Aries showing with local, pink-weathering K-feldspar alteration (Jilson and Brownlee, 2000). Andesite and basalt flows, locally with plagioclase phenocrysts, of the Upper Cretaceous Carmacks Group (uKC) underlie the northeastern Wolf and Cu claims and cover the older lithologies (Pautler, 2011)(Figure 3). At the base of the Carmacks Group thin layers of fragmentals and rhyolite tuff with up to 10% pyrite have been observed. Jilson and Brownlee (2000) suggest that the contact between the Klondike Schist and the Carmacks Group volcanic rocks is a fault with the Carmacks side down-dropped.

Numerous north-northwesterly trending fault structures have been inferred in the claim area; a northeast trending fault was also observed near the Aries showing. Based on topographical/aerial and

aeromagnetic lineaments, the Big Creek fault (which extends through the Freegold and Sonora Gulch properties) may extend northwesterly along the Yukon River then along a major lineament northeast of the property (Pautler, 2011). The possible northwestern continuation of the Coffee Creek structure (identified by an aeromagnetic low), which is known to extend through the Latte zone on the Coffee Property, may actually be the Big Creek Fault (Pautler, 2011). A lineament located approximately 5 km-northeast of the property may be the continuation of this structure. Kaminak Gold Corporations’ Coffee project situated 40 km southeast of Wolf has documented significant gold mineralization along the Coffee Creek structure.

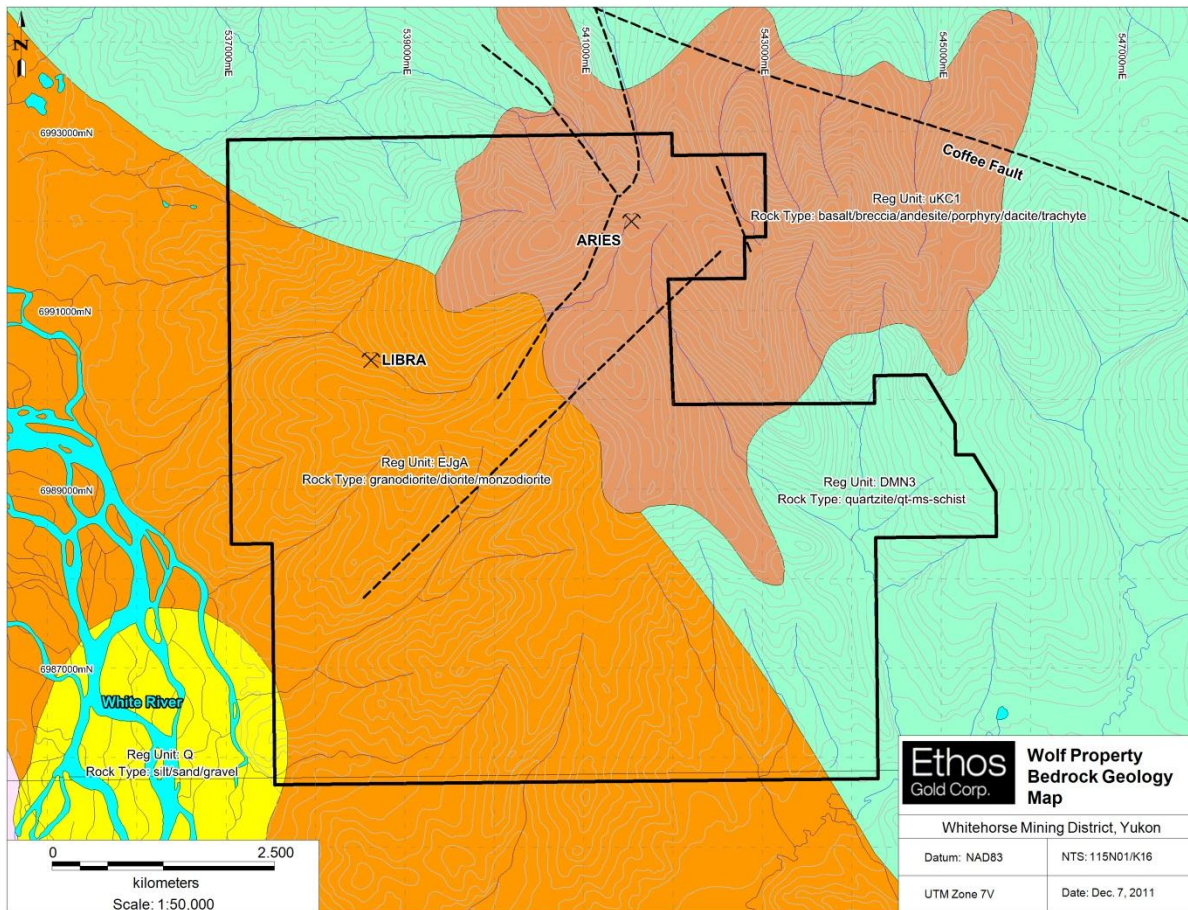


Figure 3. Wolf Property Bedrock Geology Map

6 Deposit Types & Mineralization

6.1 Deposit Type

The Wolf claims cover a portion of the Tintina Gold Belt, a 200 km-wide by 1,200 km-long arcuate, metallogenic province that extends from British Columbia, through Yukon to Alaska. The province is underlain by rocks of the YTT and is characterized numerous gold deposits including: Pogo and Fort Knox, True North, Donlin Creek, Shotgun (Alaska), and the White Gold (Yukon). The Pogo property has proven and probable reserves of 3.6 million ounces gold and measured and indicated resources of 1.7 million ounces gold. Donlin Creek has proven and probable reserves of 29.3 million ounces of gold and measured and indicated resources of 6 million ounces gold. Kinross Gold Corporations’ White Gold

deposit (AKA- Golden Saddle) is located thirty-five kilometers to the northeast. The White Gold deposit contains an indicated resource of 9,797,000 tonnes grading 3.2 g/t gold (1,005,000 ounces), primarily mineable by open pit methods using a cutoff of 0.5 g/t Au for the open pit and 2.0 g/t Au for underground (Weiershäuser *et al.*, 2010). The deposit has additional inferred resources of 9,391,000 tonnes grading 1.91 g/t gold (578,000 ounces) (Weiershäuser *et al.*, 2010).

Mineralization on the White Gold property, at the 'Golden Saddle' showing is preferentially hosted within the Devono-Mississippian aged YTT rocks including metamorphosed intrusive rocks (felsic orthogneiss), as well as felsic and mafic metavolcanic rocks. Gold mineralization is associated with quartz veins, stockwork and breccia zones, as well as pyrite veinlets and disseminations, and includes cubic pyrite and visible gold (Paulter, 2011). Mineralization at Golden Saddle is largely structurally-controlled and models for mineralization include epithermal and intrusion related gold. Epithermal textures are evident within the veins and porphyry style alteration is suggestive of a younger intrusion at depth (Paulter, 2011). Penetrative carbonate-sericite-potassic feldspar-silica alteration surrounds mineralized zones. The property has multiple mineralized zones, some of which are associated with Permian intrusive rocks, others are hosted by Nasina Assemblage (DMN₃) and part of the Golden Saddle is hosted by an ultramafic horizon.

At Kaminak Gold Corporations' Coffee project, mineralization is similar to White Gold in that gold is hosted in quartz veins, stockworks and breccia zones. A strong association with gold and pyrite has been established and mineralization is largely structurally controlled and proximal to the Coffee Creek structure. Gold structures [on the Coffee project] are generally steeply-dipping and cross-cut all rock units; moreover, there is a lack of direct evidence of gold mineralization associated with specific vein or breccia events (Couture, 2011). Host rocks include felsic orthogneiss, an ultramafic horizon and the Cretaceous Coffee Creek granite (Paulter, 2011). Selected intersections from Kaminak's news releases at Coffee include gold grades of 17.1 g/t over 15.5m (Supremo Zone), 1.08 g/t over 83.93m (Latte Zone), 6.3 g/t over 35m (Double Double Zone), 2.21 g/t over 56.75m and 1.92 g/t over 23m (Kona Zone), 2.36 g/t over 18m (Americano Zone) and 5.5g/t over 11m (Connector Zone). Soil sampling, detailed ground magnetic data, aerial photograph interpretation, trenching and drilling data suggest that the gold mineralization is hydrothermal, structurally controlled and that the auriferous structures crosscut all lithologies on the property (Couture, 2011).

The Wolf property is considered prospective for near-surface, bulk tonnage intrusion-related to epithermal, structurally-controlled gold mineralization similar to that recently discovered at Coffee and the White Gold deposit. Furthermore, it is plausible that the prevalent Coffee Creek structure is extends to northeast of the Wolf claims.

6.2 Mineralization

The claims cover the Aries and Libra MINFILE occurrences (115N 021 and 115N 022, respectively), a copper porphyry and an unknown showing.

The most explored region on the claims is the Aries copper-porphyry showing, which occurs on the Cu 2 claim. Disseminated magnetite, pyrite, pyrrhotite, chalcopyrite and molybdenite have been found along the Carmacks Group intrusive contact at the Aries showing, which was trenched in 1970 (Deklerk, 2010). A geochemical evaluation of the showing in 1998 returned anomalous copper, arsenic with minor gold, lead, bismuth and tungsten, indicating a porphyry-style signature, with up to 528 ppm Cu and 57 ppb Au in soil and 1954 ppm Cu from quartz vein grab samples (Ryan, 1999). Geochemical sampling and

geological mapping returned anomalous results from a small plug of weakly porphyritic, potassic-altered granite in this area (Jilson and Brownlee, 2000), which appears to partly correlate with a gold-arsenic-antimony soil anomaly obtained by Ryan in 2010 (Pautler, 2011).

The Libra showing originally referred to an aeromagnetic high anomaly to the southwest of the Aries (Watson, 1971) and appears to correlate with a gold-antimony soil anomaly obtained by Ryan in 2010 (Pautler, 2011).

7 2011 Exploration Program

Ethos carried out its first exploration program on the claims over the course of the 2011 first field season. The objective of 2011 exploration on the Wolf property was to evaluate a gold-in-soil geochemical anomaly associated with a felsic intrusion and proximal to the interpreted westward extension of a westerly trending fault (the Coffee Fault, or similar). Due to the remote and rugged location adjacent to the White River, the exploration methodology was intended to find bulk-tonnage gold deposits with a notional 3 M oz size; thus the targeting is coarse and intended to quickly provide evidence of widespread gold mineralization.

Exploration in 2011 consisted of soil sampling, prospecting and rock sampling, airborne magnetic and radiometric surveying and air-photo/orthophoto imagery. A total of 73 man-days explorative work was completed on the claim block during the program.

7.1 Soil Sampling

Ethos contracted Ground Truth Exploration Inc. of Dawson City to complete the soil-sampling component of the exploration program. A total of 725 historical soil samples were collected by Shawn Ryan in 2010; Ethos soil survey was designed to integrate with and expand the area surveyed by Ryan. During the 2011 field season, 2,194 ridge-and-spur and grid soil samples were collected (Figure 4), for a total of 2,919 soil samples collected on the Wolf claims to date.

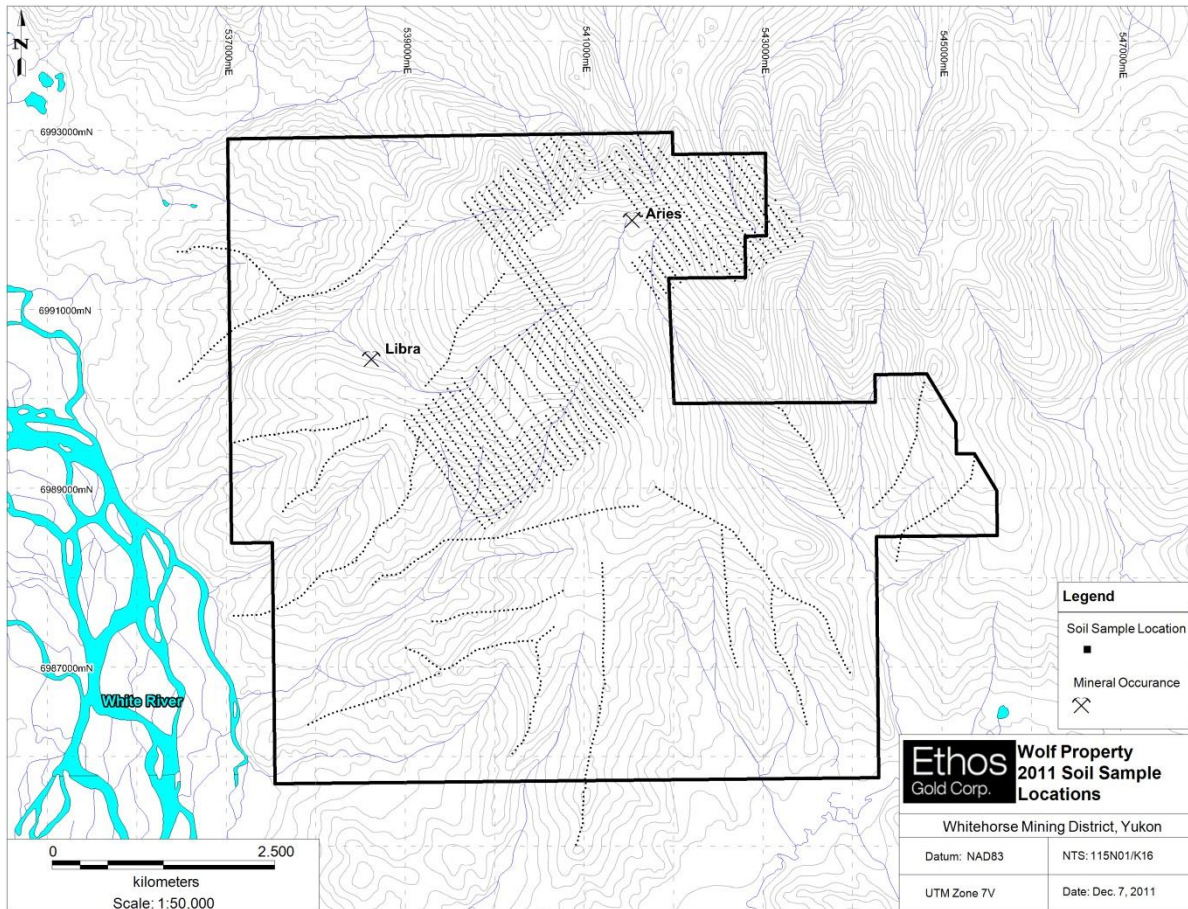


Figure 4. Soil Sample Location Map

Results indicate a continuous gold soil anomaly that is 5 km X 1.5 km in area extending in a southwest direction and still open further to the southwest (Figure 5). Gold values in soils within the anomalous area range from 10 to 358 ppb gold with 16 values greater than 75 ppb.

These values are lower in magnitude compared with soil results from the Company's Mascot Creek anomaly at the Betty Property. This effect is considered at Wolf to be a result of the dilutive effect in the soil of significant amounts of windblown silt (loess) from the nearby White River delta, plus windblown volcanic ash (tephra), compounded by extensive areas of permafrost on the property which dilute the soil geochemical response.

The Wolf Property is unglaciated and, due to the dilutive effect of loess and tephra, a gold geochemical response in soil of 10 ppb gold or higher indicates gold is present. Other gold pathfinder elements such as arsenic and silver also have anomalous responses coincident with gold.

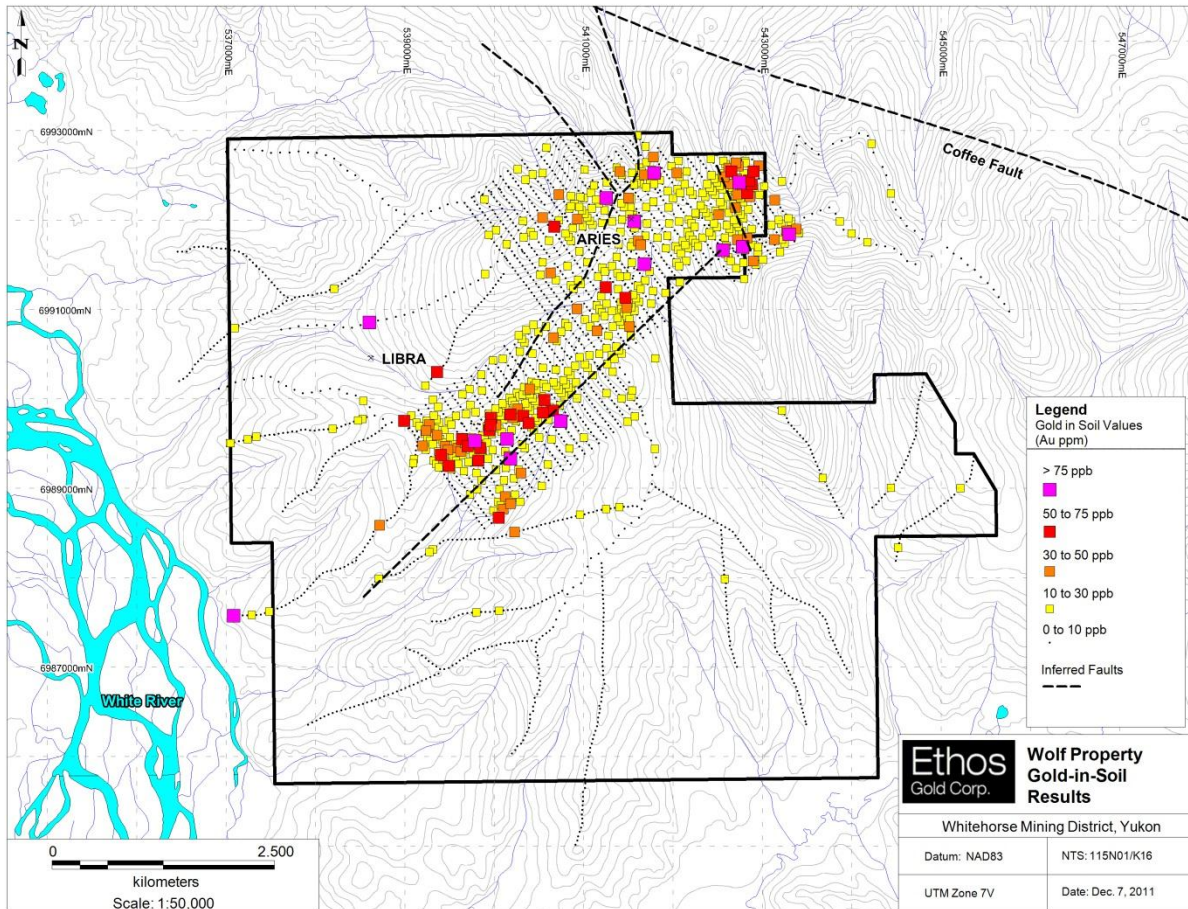


Figure 5. Gold-In-Soil Results

7.2 Prospecting

A total of 18 rock samples were collected on the Wolf property during the 2011 exploration program (Figure 6 & 7). The focus of this prospecting program was the area to the north of the property exploring the bulldozer trenches created by Quintana Minerals Corp. in the 1970's. Two samples were taken from one of the soil anomalies identified by Shawn Ryan in 2008. This limited program was completed prior to receiving the results from the 2011 soil program and airborne geophysics program. The program was also limited by weather and topography as a large winter snowpack and late spring thaw restricted the ability to access the terrain in the early season.

While these rock samples did not were not anomalous in gold (max 22.9 ppb) or silver (max 3.9 g/t), results from the 2011 soil survey and airborne geophysical survey have identified new prospective targets that should be tested with additional future prospecting.

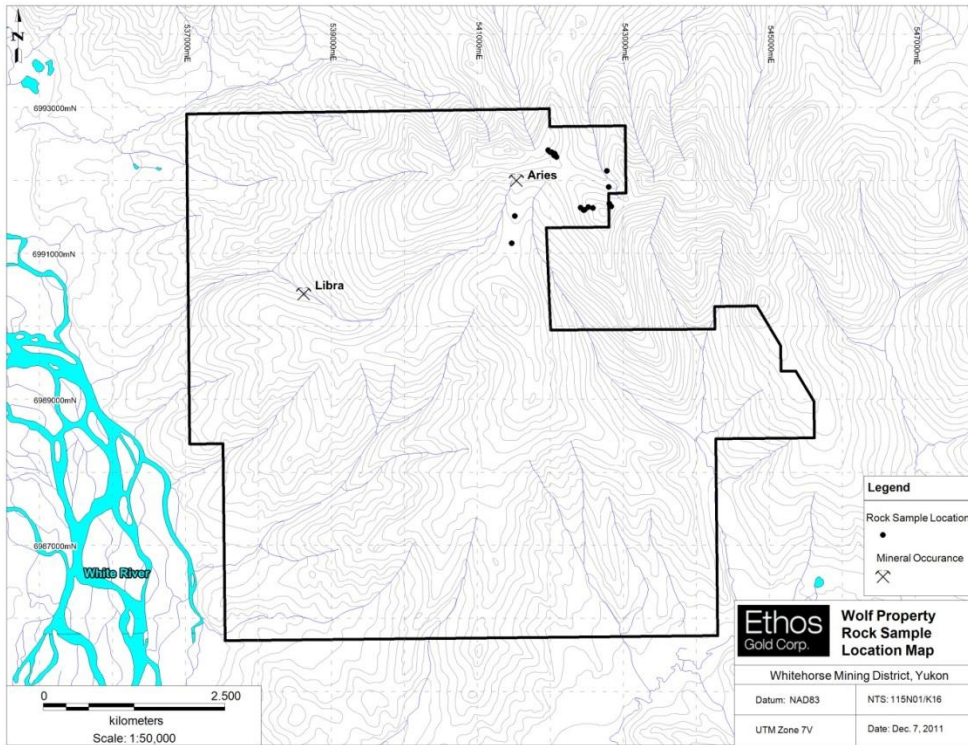


Figure 6. Prospecting Sample Location Map

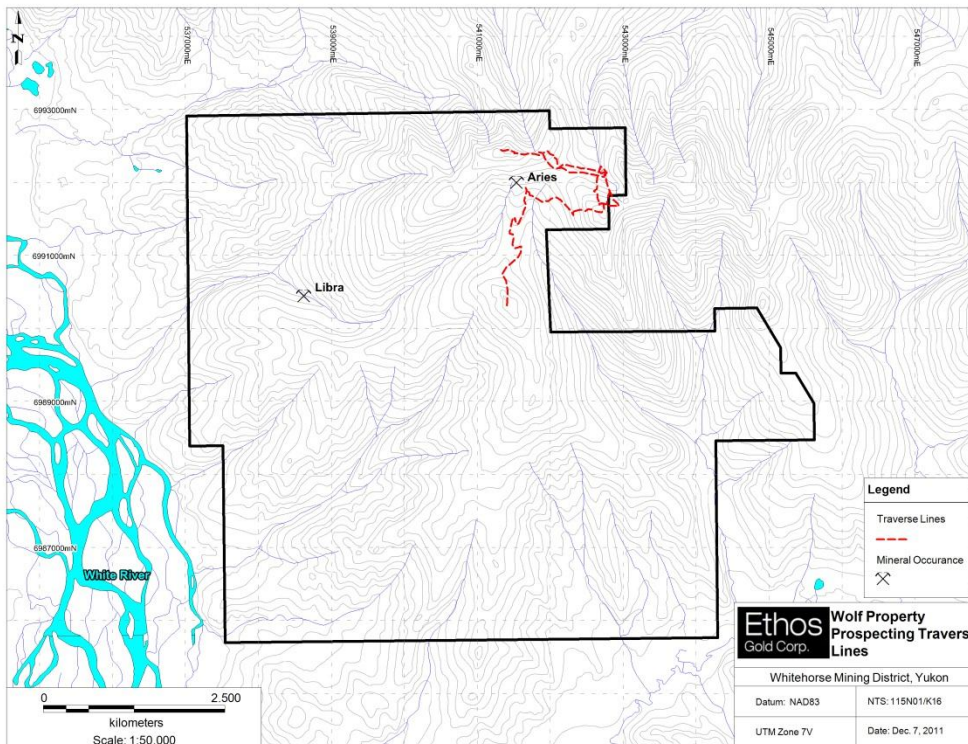


Figure 7. Prospecting Traverse Lines Map

7.3 Airborne Geophysics

During 2011, Ethos' employed New-Sense Geophysics Limited ("New-Sense") of Toronto, Ontario to complete 553.3 line-kilometers of helicopter magnetic and gamma-ray spectrometric (radiometric) surveying over the Wolf property as part of a larger survey covering Ethos' Betty, Hayes, Bridget, Wolf and Hen properties. Pre-survey calibration flight testing was conducted on the property on July 1 and July 2, 2011. Surveying commenced on July 8 and was completed August 12, 2011 as part of a total survey of 12,499 line kilometers.

The geophysical equipment was comprised of one high-sensitivity Cesium-3 magnetometer mounted in a fixed stinger assembly and a 1024-channel RS-500 spectrometer with four downward looking crystals (total 16 liters) and one upward looking crystal (total 4 liters) mounted in the storage compartment of the aircraft. Airborne ancillary equipment included digital recorders, fluxgate magnetometer, radar altimeter, and global positioning (GPS) receiver. The GPS receiver provided accurate real-time navigation and subsequent flight path recovery. The equipment was mounted on a Bell 206 B3 helicopter chartered from Northern Air Support based in Kelowna, British Columbia. Surface equipment included a magnetic base station with GPS time synchronization, and a PC-based field workstation which was used to check the data quality and the completeness on a daily basis. Ethos also employed Williams Geophysics Limited (Brian Williams) of Hereford, United Kingdom to monitor the daily flight production, assess the data quality, and provide quality control during the term of the survey. The helicopter and pilot and survey engineer were based at the Coffee Camp operated by, and with permission of, Kaminak Gold Corporation. Ethos contracted JDS Energy and Mining Inc ("JDS") to install a fuel liner and containment berm sufficient for 120 drums of fuel to complete the entire survey. Ethos obtained 120 drums of Jet A fuel from Whitehorse, YT and delivered it by transport truck to the barge landing operated by JDS at Minto. Ethos contracted the JDS barge to transport the 120 drums of Jet A fuel to Kaminak's Coffee Camp and store them in the lined berm in early August prior to commencement of the survey. At the end of the contract, the fuel liner was sold to Kaminak.



Photo-Plate 3: Northern Air Support Bell 206 B3 helicopter with magnetometer mounted in a fixed stinger assembly used in survey.

The technical objective of the survey was to provide high-resolution total field magnetic (Figure 8) and radiometric maps suitable for anomaly delineation, detailed structural evaluation, and identification of lithological trends. The survey was flown at a nominal traverse line spacing of 100 meters with control line ("tie-line") spacing of 1,000 meters. The traverse lines were flown at 0 degrees or 180 degrees true

north. Fully corrected magnetic and radiometric maps were prepared by New-Sense in their Toronto office after the completion of survey activities.

A full description of the survey parameters is included in Appendix VI entitled “Logistics Report for the High Resolution Helicopter Magnetic and Gamma-ray Spectrometric Airborne Geophysical Survey Flown Over Betty/Bridget/Hayes (BBH), Hen, and Wolf Blocks”.

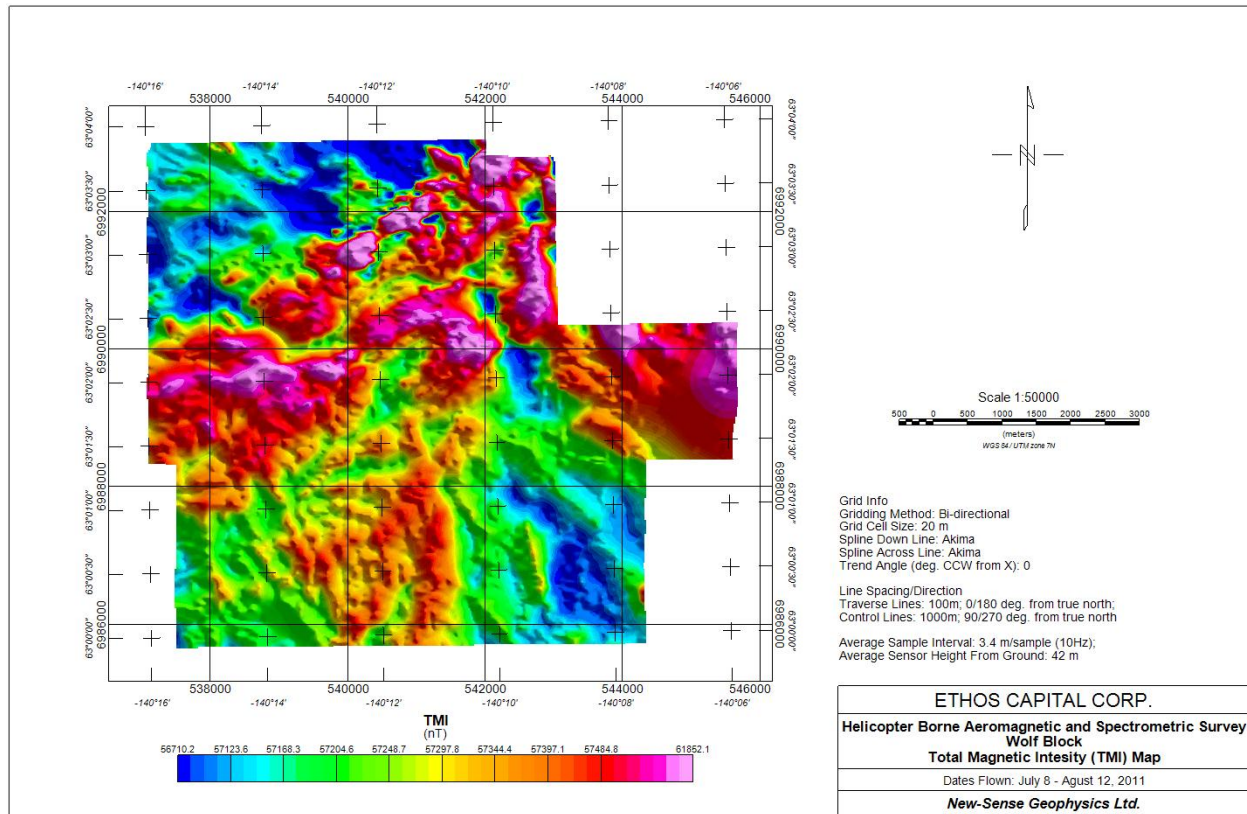


Figure 8. Total Magnetic Intensity Map

Results from airborne magnetic and radiometric surveying indicate the Wolf gold soil anomaly in the central part of the property is associated with interpreted intersecting magnetic 'break' linears oriented northeast and east respectively. The linear breaks are interpreted to be subordinate fault structures related to the main Coffee fault. The gold soil anomaly lies along the contact of a radiometric 'high' representing a granodiorite intrusion which has intruded quartz-mica schist, similar to the geology underlying the Mascot Creek soil anomaly (Figure 9).

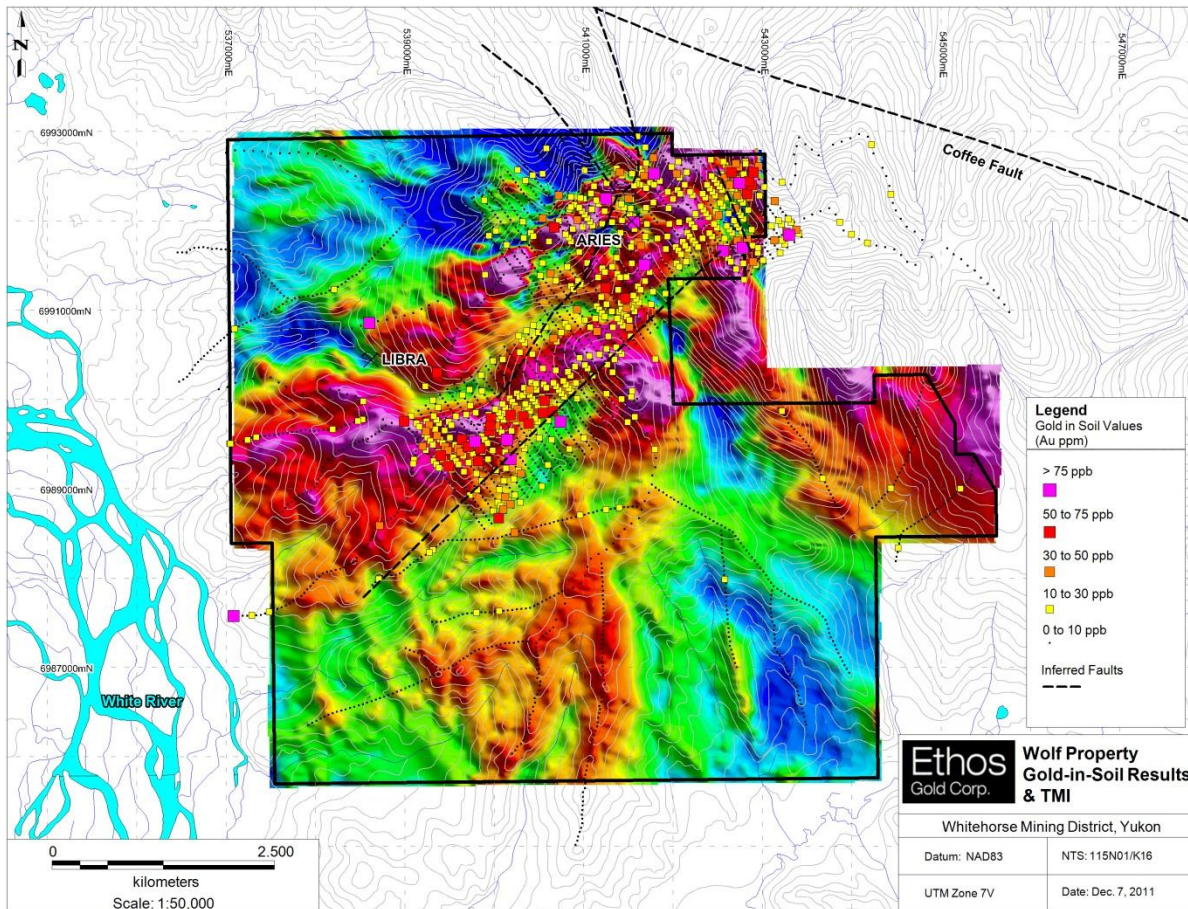


Figure 9. Gold-In-Soil Results & Total Magnetic Intensity

7.4 Orthophotography

During 2011, Ethos' employed AECOM of Markham, Ontario to complete 47 line-kilometers of air-photo imagery over the Wolf property as part of a larger 366 line-kilometer air-photo imagery program covering Ethos' Betty, Hayes, Bridget, Wolf and Hen properties. Geographic Air Survey Ltd. (GAS) of Edmonton, Alberta performed the flight acquiring the aerial photography on behalf of AECOM on August 25th, 27th, and 30th, 2011.

GAS used a RC30 Aerial Camera with Airborne Kinematic GPS positioning and Forward Motion Compensator as well as a Trimble 1000 SSI airborne GPS system all mounted in an Aero Commander 690 A aircraft (the acquisition of the colour aerial photography adhered to the Interdepartmental Committee on Air Surveys (ICAS) Specification for Aerial Survey Photography 2000). Photographs were flown with variable sun angles of >30°, at the 1:20,000 scale ($\pm 1.0\text{m}$ vertical and horizontal), with 60% forward overlap and 30% side-lap suitable for stereoscopic viewing. Photograph indices were provided in a NTS 1:250,000-scale map sheet format. Flight lines were centered along the north and south perimeter boundaries of the property. A total of 18 flight lines and approximately 250 images were used to cover

all property area of which five flight lines and approximately 30 images covered the Wolf property. The onboard Airborne GPS was utilized as the basis for ground control for the images as well as known survey monuments.

Aerial photograph image capture and processing was completed by AECOM. The air-photo film was scanned using a Vexcel 4000HT photogrammetric scanner and processed with a variety of programs including SOCET SET, ARC GIS, OrthoVista, PCI, AutoCAD, and Adobe PhotoShop. AECOM produced a DEM (digital elevation model) and Orthophotographs with 2m interval topographic contours. The true optic resolution was 10 microns or 0.20m ground resolution (Figure 10).

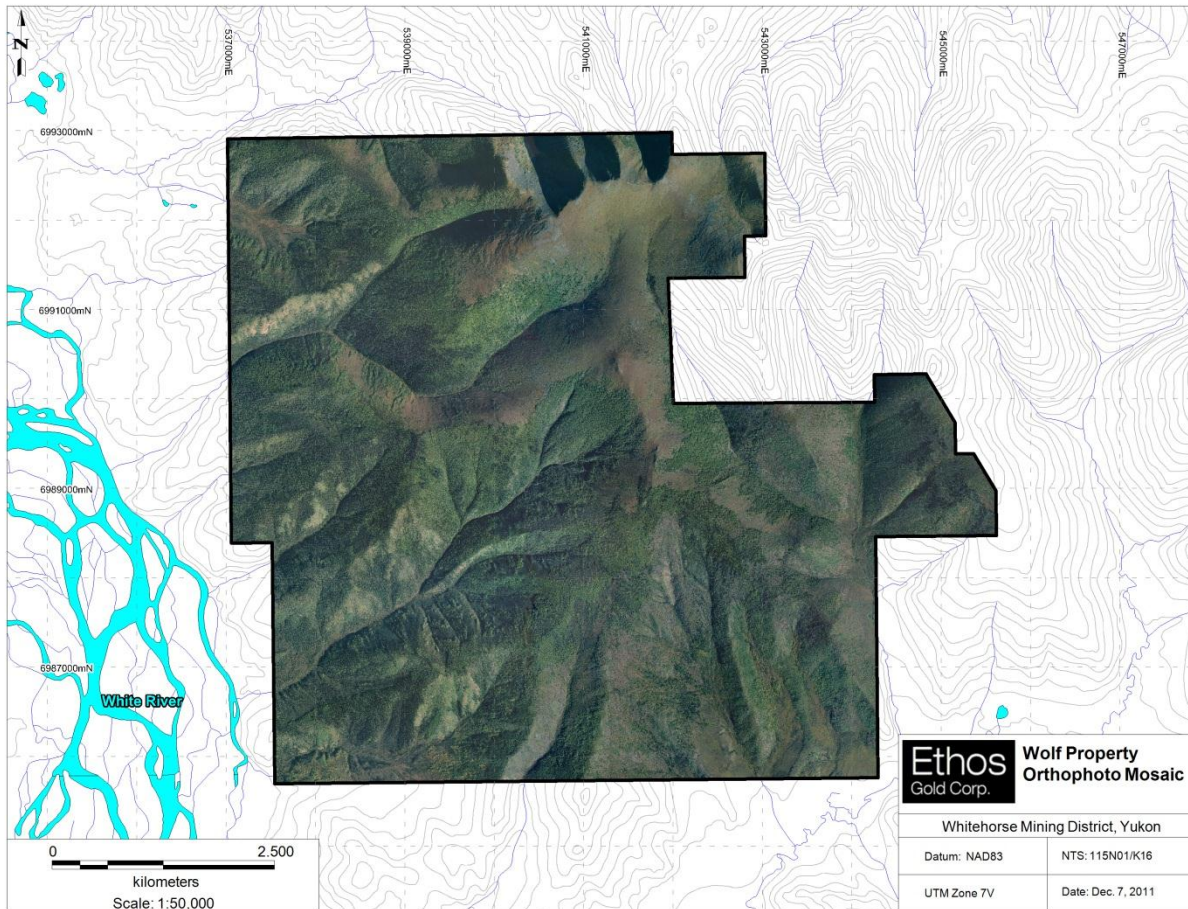


Figure 10. Wolf Property Orthophoto Mosaic

7.5 Permitting

Ethos contracted All-Terrane Exploration Mineral Exploration Services of Whitehorse, Yukon to apply for Class III Exploration permits on the Wolf property. The permit was received from Yukon Environmental and Socio-economic Assessment Board (YESAB) in July 2012 and is good for five years.

8 Drilling

No drilling has been completed on the Wolf claims to date.

9 Sampling Method & Analyses

Collection of rock and soil samples on the property during the 2011 field season was completed under the supervision of qualified geologists by experienced geological technicians. ACME Analytical Laboratories Ltd. was employed for geochemical sample analysis, ACME is an ISO 9001:2008 credited facility (certificate number FM 63007).

9.1 Sampling Method & Approach

9.1.1 Soil Samples

At each soil sample site, the Soil Technician identifies the most appropriate location to collect the sample and lays out a sheet of plastic (12" x 20" ore bag). The soil sample is taken using an Eijkelcamp hand-auger, at a depth of between 30 and 110 cm. Samplers strive to consistently collect C-horizon sample material. The soil is laid out on the sheet of plastic in the order it was recovered from the sample hole. Once the necessary amount of soil (400 - 500 g) has been obtained, the deepest soil is taken and placed in a bag labeled with the 3-letter project code and a unique 5-6 digit sample identification number. A representative rock chip sample is taken from the recovered soil and placed in a small (1" x 1.5") bag labeled with the same project code and sample identification number. An aluminum metal tag inscribed with the sample identification number is attached to a rock or branch at the sample site along with a length of pink flagging tape. A duplicate sample is taken once for every 25 samples. At the sample site twice as much of the desired soil is acquired and then placed on the plastic sheet and homogenized before being placed into two sample bags. Both samples are given their own sample bag identification number. The data for both samples is recorded and a note is made indicating the duplicate and its corresponding sample identification number.

The GPS location of the sample site is recorded with a Garmin GPSMap 60cx or 76cx GPS device in UTM NAD 83 format, and the waypoint is labeled with the project name and the sample identification number. A Palm PDA device is used in the field to record the characteristics and description of the sample taken; this includes: sample identification number, soil colour, soil horizon, slope, sample depth, ground and tree vegetation and sample quality and any other relevant information. As well, the GPS coordinates are entered into the Palm device as a secondary backup in case of GPS failure.

Each night in the field, the GPS and Palm PDA devices are downloaded to a laptop computer and the data is verified on a sampler-by-sampler basis in proprietary database auditing software ("Dirtbagger 3000") to ensure accurate data was recorded. The data is also mapped out daily using ESRI ArcMap to assure proper sample spacing and location. A backup of the sample data is made, copied onto a USB memory stick and kept in a separate location from the laptop computer until job completion. Where possible, a backup is also sent via e-mail. The soil samples are packaged daily into fiber bags, sealed, and delivered via helicopter or fixed wing to Dawson where they are laid out on drying racks to air-dry, and then repackaged in labeled rice bags. Ground Truth personnel in Dawson deliver them to the ACME sample preparation lab in Dawson where a receipt for delivery is issued.

9.1.2 Rock Samples

Rock samples were collected (grab, chip, float), tagged and bagged in thick plastic (poly) rock sample bags, placed into a rice bag and sealed for shipment to ACME's sample preparation facility in Dawson City where Ethos personnel were issued a submittal receipt. Acme employees placed the fiber sacks on

pallets, which were trucked daily by subcontractor Kluane Freight Lines to Acme's Whitehorse rock and soil preparation lab. Rocks were either crushed and split in Whitehorse or shipped via Air North air-freight to Acme's Vancouver lab to be crushed and split. The originating preparation lab is indicated on the final signed assay certificate. At each rock sample location detailed sample descriptions were collected and locations were marked with flagging and recorded with a GPS.

9.2 Sample Preparation, Analyses and Security

Each soil sample was analyzed by ACME Analytical Laboratories Ltd. in Vancouver, British Columbia for 36-element ICP-MS nitric-aqua regia digestion with a mass spectrometer finish; a 0.5 g sub-sample undergoes aqua regia digestion with ICP-MS analysis. Fifteen-grams of sample material was analyzed for Al, Sb, As, Ba, Bi, B, Cd, Ca, Cr, Co, Cu, Ga, Au, Fe, La, Pb, Mg, Mn, Hg, MO, Na, Ni, P, Ag, K, Sc, Sr, S, Tl, Th, Ti, Sn, W, U, V and Zn. Quality control procedures were implemented at the laboratory, involving regular insertion of blanks, standards and repeat analyses. Furthermore, soil sample field duplicates are routinely collected and inserted into the analytical stream as are pulp duplicates, as well as certified reference materials and blanks. ACME Labs prepared the samples in Dawson City and then shipped prepared samples to Vancouver for analysis. Soils are dried at 60°C and sieved to collect up to 500 grams passing the -80 mesh fraction. For detailed laboratory sample preparation and analysis procedures are outlined in Appendix II. Soil samples for 2011 were primarily processed in ACME's Dawson City preparation lab however some samples were processed in the Whitehorse and Vancouver labs.

Rock samples are analyzed using specific Acme rock and drill core packages coded "Geo2" which consists of the code 1DX1, 3B01, and G601+G613 procedures as follows. Rock samples are analyzed for gold coded "3B01" using a 30 gram sub-sample by fire assay with an atomic absorption finish for concentrations under 10 g/t Au and a gravimetric finish if greater than 10 g/t Au. All rocks are also analyzed coded "1DX1" using a 0.5 g sub-sample which undergoes aqua regia digestion with ICP-MS analysis for 36 reporting elements using the same methodology as per soils.

Ethos uses protocols standard to the industry and professional QA/QC procedures for assaying including the use of duplicates, certified laboratory standard(s), prep and assay wash blanks.

1. Sample Preparation

Package	Description	Code	Unit Cost CDN\$
Soils	Dry at 60°C, sieve (up to) 100g to -80mesh, up to ¼ kg		
	Soils processed in Dawson City	SS80-DAW	2.85
	Soils processed in Whitehorse	SS80-WHI	1.85
	Sieve large samples: 80 mesh per ¼ kg		0.80
Rock and Drill Cores	Crush 1kg to 80% passing 10mesh, split 250g and pulverize to 85% -200mesh Extra crushing and saving rejects over 1kg, per kg	R200-250	6.20 0.60

2. Sample Analysis

Package	Description	Code	Unit Cost CDN\$
Soils	15g sample, aqua regia digestion, ICPMS finish for low detection limits	1DX2	15.20
Rocks and Drill Cores	A. Consists of: 1. 1DX1 – 0.5g sample, aqua regia digestion, ICPMS analysis 2. 3B01 – 30g sample, fire assay, AA or ICP finish (2 – 10,000 ppb)	Geo2 (package)	23.40
	B. (Over limit Au > 10,000 ppb) 30g sample, fire assay, gravimetric finish	G601+G612	15.85

Summary of analytical description and code for Acme Analytical soil and rock analyses packages used by Ethos during the 2011 exploration program.

10 Data Verification

The author visited the property in June and August 2011 to direct and conduct the explorative work. Geochemical data was verified by sourcing original analytical certificates and data. The QAQC procedures for soils indicate adequate reproducibility of standards, blanks and duplicate samples within acceptable error limits.

11 Adjacent Properties

Immediately adjoining the property to the northeast and east are the Flow and WCK claims, staked by Silver Quest Resources Ltd. in 2009. The Flow claims cover ground previously explored by Deltango Gold Ltd. in 1999, which outlined Klondike schist metavolcanic rocks and quartz mica schist (Jilson and Brownlee, 2000) on the claims. To the east the Au claims, of Mr. Terrance King, adjoin the property. The Au claims were staked in 2011 to cover ground previously explored by Prospector International, which delineated anomalous gold, arsenic and antimony in stream sediment samples (Jaworski and Meyer, 2000b). Goldspike Exploration Inc. staked the Au claims adjoining the property to the east in 2010. At present, no claims are staked to the west or south of the Wolf project.

From a more regional perspective, properties within the Tintina Gold Belt include the Coffee (Kaminak Gold Corporation) and White Gold (Kinross Gold Corporation) projects. The Wolf project is located 40

km west of the Kaminak Coffee project. 2011 exploration season drilling on the project has defined gold mineralization along the Coffee Creek structure reporting 17.1 g/t Au over 15.5m with wider intervals running 1.08 g/t Au over 83.93 m from drillcore. Kinross' White Gold deposit (AKA- Golden Saddle) is located 35 kilometers to the northeast, reporting 9,797,000 tonnes (measured and indicated) of 3.19 g/t gold (1,005,000 ounces), with an additional 9,391,000 tonnes (inferred) of 1.91 g/t gold (578,000 ounces).

12 Mineral Processing & Metallurgical Testing

The project is at an early exploration phase and therefore no metallurgical testing has been carried out to date.

13 Mineral Resource & Reserve Estimate

There has not been sufficient work on the property to undertake a resource calculation.

14 Other Relevant Data and Information

To the author's knowledge, there is no additional information relevant to this technical report.

15 Interpretation and Conclusions

Based on the results of the 2011 program, anomalous gold in soils extend over a four kilometer length from the northern claim boundary to the central portion of the property. The soil anomaly remains open to the south where additional sampling will be required. The absolute value of the gold anomaly is relatively low; this is interpreted to result from dilution by substantial amounts of White River loess as well as Aleutian volcanic tephra in the soil column. The gold in soil anomaly correlates with anomalous arsenic; particularly in the north portion of the property.

Radiometric data from airbourne surveying shows the soil anomaly is coincident with or is developed along the margin of a radiometric high interpreted to be a felsic intrusive. Ground prospecting confirms the central part of the property area is underlain by a medium grained granite to diorite. Magnetic data are interpreted to show second and tertiary order faults in the area of gold soil anomaly.

A limited number of rock samples were collected which yielded no significant results. The gold soil anomaly has the length (~4 km) and width (~50 to 300 m) to be created by a gold deposit above threshold size and warrants further exploration.

16 Recommendations

The gold in soil anomaly is recommended for additional prospecting targeting individual anomalous sites. The prospecting should excavate as deeply as possible into the colluvium to obtain samples that have anomalous gold. Prospecting is recommended to target areas where the soils are deemed to be most representative of bedrock such as along ridge tops and local convex slopes. Much of the north and central part of the property including the area of the gold-soil anomaly is poorly vegetated and has extension colluvium. Prospecting to obtain gold in a rock grab sample is the primary objective.

A program of trenching using a Candig backhoe could be considered to excavate the gold anomalous soil areas to test for a bedrock source. Given the expense of this program, a similar reconnaissance test could be accomplished with a reverse circulation drill rig in less time but perhaps not substantially more cost. The objective of either phase of exploration is to document anomalous gold in rock samples and locate a gold-bearing rock type that could suggest a substantial in-situ gold target.

17 Statement of Expenditures

Expenditures on the Wolf Property were incurred between June 2, 2011 and September 15, 2011.

Contractor	Type	Period (2011)	Amount	Invoice ID
Ground Truth Exploration	Soil Survey	Aug 15 to Sep 15	\$ 58,762.44	WLF 2011-01
Acme Labs	Soil-Rock Analysis		\$ 41,016.79	Various
Trans-North Helicopter	Soil Survey	Aug 15 to Sep 15	\$ 41,912.01	Various
New-Sense Geophysics	Airborne	Jul 1 to Aug 15	\$ 38,260.19	Various
AECOM Engineering	Orthophoto	Jun 2 to Sep 15	\$ 22,609.40	38066163
All-Terrane	Prospecting	Jun 2 to Sep 15	\$ 14,980.84	Various
Total to Sep 15, 2011			\$ 217,541.67	

Expenditures certified correct,



Peter Tallman, P.Geo.
Chief Operating Officer, Ethos Gold Corp.

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19 Statement of Qualifications

I, Peter Tallman, of Vancouver, British Columbia hereby certify that:

- I am a graduate of the University of Western Ontario with a Bachelor of Science (Geology) degree (1984).
- I am a practicing Professional Geoscientist (#02366) with the Professional Engineers and Geoscientists of Newfoundland and Labrador (PEGNL) since May 1991.
- I have practiced my profession as a geologist in Canada, throughout the America's as well as Australia and Africa continuously since graduation.
- I have held the position of executive officer and/or director of various publically listed Canadian corporations since 1995.
- I currently hold the position of Chief Operating Officer with Ethos Gold Corp., a company listed publically on the TSXV Exchange.
- I own shares and have been granted options to purchase shares in Ethos Gold Corp.
- I directed work on the Wolf Property during the period June 2 to September 1, 2011 and am the designated Qualified Person as defined by National Instrument 43-101 policy.

Dated in Vancouver, British Columbia this 8th day of April, 2012.

A handwritten signature in black ink, appearing to read 'Peter Tallman', with a period at the end.

Peter Tallman, P.Geol.

Appendix I – Mineral Tenure of the Wolf Property

Appendix II – Soil Sample Locations and Descriptions

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1204201	7	537674	6991098	9/7/2011	Reddish Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Sandy
1204202	7	537634	6991068	9/7/2011	Dark Brown	Sand	Dry	Subtle Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1204203	7	537593	6991037	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Clay
1204204	7	537552	6991007	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Black Spruce	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1204205	7	537508	6990984	9/7/2011	Bluish Grey	Silt	Dry	Subtle Slope	50 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1204206	7	537461	6990963	9/7/2011	Dark Brown	Silt	Dry	Subtle Slope	30 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204207	7	537415	6990943	9/7/2011	Dark Brown	Silt	Dry	Subtle Slope	50 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Sandy
1204208	7	537367	6990921	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Poplar	Thin Moss Cover	Good	Fine	Sandy
1204209	7	537319	6990900	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Coarse	Sandy
1204210	7	537273	6990879	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	70 C		Poplar	Leaf Cover	Excellent	Coarse	Clay
1204211	7	537228	6990858	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 C		Poplar	Thin Moss Cover	Good	Coarse	Rocky
1204212	7	537183	6990837	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1204213	7	537183	6990837	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1204214	7	537137	6990818	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 C		Poplar	Thin Moss Cover	Good	Coarse	Clay
1204215	7	537095	6990790	9/7/2011	Light Brown	Silt	Damp	Subtle Slope	70 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Clay
1204216	7	537056	6990757	9/7/2011	Dark Brown	Clay	Damp	Subtle Slope	80 B		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Clay
1204217	7	537017	6990724	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Sandy
1204218	7	536978	6990692	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Sandy
1204219	7	536941	6990659	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1204220	7	536902	6990627	9/7/2011	Reddish Yellow	Sand	Dry	Subtle Slope	70 C		Poplar	Thin Moss Cover	Excellent	Coarse	Rocky
1204221	7	536863	6990592	9/7/2011	Dark Brown	Sand	Dry	Subtle Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1204222	7	536827	6990557	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	60 C		Black Spruce	Thin Moss Cover	Excellent	Coarse	Sandy
1204223	7	536792	6990522	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Thin Moss Cover	Excellent	Fine	Rocky
1204224	7	536755	6990487	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	80 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Fine	Sandy
1204225	7	536721	6990452	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Clay
1204226	7	536687	6990418	9/7/2011	Light Brown	Clay	Damp	Subtle Slope	60 B		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Clay
1204227	7	536651	6990384	9/7/2011	Light Brown	Clay	Damp	Subtle Slope	60 B		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Clay
1204228	7	536622	6990334	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Dull Red Rust
1204229	7	536593	6990293	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1204230	7	536562	6990253	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1204231	7	536520	6990223	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1204232	7	536475	6990199	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Fine	Sandy
1165751	7	539157	6989572	9/7/2011	Reddish Brown	Silt	Dry	Pronounced Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Rocky	Fine
1165752	7	539141	6989524	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	90 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165753	7	539141	6989524	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	90 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165754	7	539135	6989474	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165755	7	539124	6989425	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		White Spruce	Thin Moss Cover	Excellent	Rocky	Coarse
1165756	7	539118	6989375	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	90 C		White Spruce	Reindeer Moss	Excellent	Coarse	Dull Red Rust
1165757	7	539102	6989327	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Poor	Sandy	Rocky Terrain
1165758	7	539092	6989279	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	90 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1165759	7	539092	6989279	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	90 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1165760	7	539082	6989231	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165761	7	539073	6989182	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1165762	7	539052	6989137	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Poor	Fine	
1165763	7	539058	6989087	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Fine	
1165764	7	539066	6989038	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Poor	Fine	
1165765	7	539059	6988988	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Fine	Sandy
1165766	7	539036	6988942	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Fine	Sandy
1165767	7	539026	6988894	9/7/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165768	7	538987	6988862	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165769	7	538966	6988817	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165770	7	538933	6988778	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 C		Poplar	Grass Cover	Good	Coarse	Quartz Chips
1165771	7	538914	6988737	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Poplar	Leaf Cover	Excellent	Rocky Sample	Coarse
1165772	7	538886	6988696	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1165773	7	538845	6988666	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1165774	7	538802	6988640	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky Sample
1165775	7	538759	6988614	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Poor	Rocky	Sandy
1165776	7	538716	6988586	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	
1165777	7	538676	6988556	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky
1165778	7	538650	6988514	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1165779	7	538641	6988464	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	80 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165780	7	538610	6988426	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Fine	Quartz Chips
1165781	7	538584	6988383	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Reindeer Moss	Good	Coarse	Rocky
1165782	7	538553	6988342	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1165783	7	538532	6988296	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	80 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165784	7	538498	6988259	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 C		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Sandy
1165785	7	538458	6988229	9/7/2011	Light Brown	Silt	Dry	Subtle Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Poor	Fine	Loess
1204360	7	537733	6991110	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	20 C		Poplar	Bare Soil	Poor	Loess	Fine
1204361	7	537690	6991136	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Rocky	
1204362	7	537646	6991161	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Birch Forest	Sphagnum Moss > 30cm	Good	Fine	
1204363	7	537607	6991192	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Birch Forest	Leaf Cover	Good	Rocky Sample	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1204364	7	537575	6991231	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Poplar	Sphagnum Moss > 30cm	Good	Rocky Sample	
1204365	7	537542	6991268	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Sphagnum Moss > 30cm	Good	Rocky Sample	
1204366	7	537510	6991306	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 C		Birch Forest	Sphagnum Moss > 30cm	Good	Fine	Rocky
1204367	7	537475	6991343	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss > 30cm	Good	Rocky Sample	Rocky
1204368	7	537442	6991381	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Sphagnum Moss > 30cm	Good	Rocky	
1204369	7	537409	6991418	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Poplar	Sphagnum Moss > 30cm	Good	Rocky	
1204370	7	537372	6991453	9/7/2011	Grey	Silt	Damp	Subtle Slope	70 C		Poplar	Sphagnum Moss > 30cm	Good	Partially Frozen	
1204371	7	537338	6991481	9/7/2011	Chocolate Brown	Sand	Damp	Flat	70 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1204372	7	537338	6991489	9/7/2011	Chocolate Brown	Sand	Damp	Flat	70 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1204373	7	537300	6991524	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1204374	7	537265	6991560	9/7/2011	Chocolate Brown	Sand	Damp	Flat	50 C		Black Spruce	Sphagnum Moss > 30cm	Excellent	Coarse	Bright Orange Rust
1204375	7	537229	6991595	9/7/2011	Chocolate Brown	Sand	Damp	Flat	50 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1204376	7	537187	6991622	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	
1204377	7	537141	6991645	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1204378	7	537093	6991659	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1204379	7	537043	6991665	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1204380	7	536994	6991679	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	
1204381	7	536944	6991680	9/7/2011	Grey	Sand	Damp	Subtle Slope	70 C		Black Spruce	Sphagnum Moss > 30cm	Good	Rocky Sample	
1204382	7	536894	6991687	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	
1204383	7	536843	6991686	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	
1204384	7	536794	6991696	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		White Spruce	Sphagnum Moss > 30cm	Good	Coarse	
1204385	7	536744	6991707	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	
1204386	7	536695	6991702	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Quartz Chips	
1204387	7	536644	6991698	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Rocky Sample	
1204388	7	536597	6991678	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	
1204389	7	536557	6991648	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Organic 10%
1204390	7	536506	6991645	9/7/2011	Grey	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky Sample
1204391	7	536456	6991648	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	
1164908	7	538573	6989796	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1164909	7	538525	6989778	9/7/2011	Dark Brown	Sand	Dry	Pronounced Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Good	Organic 10%	Rocky
1164910	7	538477	6989761	9/7/2011	Dark Brown	Silt	Dry	Pronounced Slope	70 B		Birch Forest	Leaf Cover	Good	Sandy	
1164911	7	538430	6989745	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		White Spruce	Leaf Cover	Good	Coarse	
1164912	7	538383	6989726	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164913	7	538335	6989714	9/7/2011	Dark Grey Black	Clay	Wet	Pronounced Slope	70 B		Alder	Sphagnum Moss < 30cm	Poor	Partially Frozen	Possible Creek Contamination
1164914	7	538288	6989693	9/7/2011	Dark Grey Black	Clay	Wet	Pronounced Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Poor	Organic 10%	
1164915	7	538240	6989676	9/7/2011	Grey	Clay	Wet	Pronounced Slope	60 B		Black Spruce	Sphagnum Moss < 30cm	Good	Partially Frozen	Organic 10%
1164916	7	538191	6989667	9/7/2011	Grey	Clay	Damp	Pronounced Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Poor	Partially Frozen	
1164917	7	538140	6989664	9/7/2011	Grey	Clay	Damp	Pronounced Slope	40 B		Black Spruce	Reindeer Moss	Good	Partially Frozen	
1164918	7	538089	6989656	9/7/2011	Grey	Sand	Damp	Pronounced Slope	80 C		Black Spruce	Reindeer Moss	Excellent	Coarse	Quartz Chips
1164919	7	538039	6989653	9/7/2011	Grey	Sand	Dry	Subtle Slope	80 C		Black Spruce	Reindeer Moss	Excellent	Coarse	Quartz Chips
1164920	7	537989	6989647	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164921	7	537937	6989649	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		White Spruce	Reindeer Moss	Excellent	Coarse	
1164922	7	537887	6989656	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164923	7	537837	6989652	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		White Spruce	Reindeer Moss	Good	Coarse	Rocky
1164924	7	537790	6989637	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164925	7	537739	6989636	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164926	7	537689	6989625	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164927	7	537638	6989618	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		White Spruce	Reindeer Moss	Good	Coarse	
1164928	7	537588	6989610	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164929	7	537538	6989601	9/7/2011	Dark Brown	Sand	Dry	Pronounced Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164930	7	537542	6989599	9/7/2011	Dark Brown	Sand	Dry	Pronounced Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164931	7	537487	6989597	9/7/2011	Dark Brown	Sand	Dry	Pronounced Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1164932	7	537436	6989590	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1164933	7	537385	6989585	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1164934	7	537337	6989579	9/7/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	80 C		White Spruce	Sphagnum Moss < 30cm	Good	Sandy	Coarse
1164935	7	537286	6989571	9/7/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	80 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Sandy
1164936	7	537240	6989548	9/7/2011	Reddish Yellow	Sand	Dry	Pronounced Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1164937	7	537191	6989536	9/7/2011	Chocolate Brown	Clay	Damp	Subtle Slope	80 B		White Spruce	Sphagnum Moss < 30cm	Good	Partially Frozen	
1164938	7	537142	6989525	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Rocky	
1164939	7	537091	6989513	9/7/2011	Grey	Clay	Damp	Pronounced Slope	80 B		White Spruce	Sphagnum Moss < 30cm	Good	Partially Frozen	
1164940	7	537042	6989506	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1164941	7	537049	6989506	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1204151	7	539008	6991987	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204152	7	538973	6991949	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1204153	7	538940	6991912	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1204154	7	538905	6991874	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204155	7	538869	6991839	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1204156	7	538835	6991802	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1204157	7	538804	6991763	9/7/2011	Light Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Poor	Fine	Loess
1204158	7	538769	6991726	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204159	7	538734	6991691	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1204160	7	538699	6991655	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204161	7	538664	6991618	9/7/2011	Light Brown	Silt	Dry	Subtle Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1204162	7	538630	6991581	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	
1204163	7	538598	6991544	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	
1204164	7	538562	6991507	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Sample
1204165	7	538527	6991470	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204166	7	538492	6991434	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204167	7	538457	6991399	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 C		Poplar	Leaf Cover	Good	Coarse	
1204168	7	538410	6991382	9/7/2011	Chocolate Brown	Sand	Dry	Flat	40 C		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	
1204169	7	538368	6991352	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204170	7	538335	6991316	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1204171	7	538293	6991286	9/7/2011	Chocolate Brown	Silt	Dry	Flat	40 B		Black Spruce	Sphagnum Moss < 30cm	Poor	Loess	
1204172	7	538249	6991261	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204173	7	538207	6991232	9/7/2011	Light Brown	Silt	Dry	Subtle Slope	40 B		Poplar	Leaf Cover	Poor	Loess	
1204174	7	538159	6991218	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Coarse	
1204175	7	538117	6991192	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204176	7	538067	6991186	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Poplar	Leaf Cover	Good	Coarse	
1204177	7	538017	6991176	9/7/2011	Chocolate Brown	Silt	Dry	Flat	40 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204178	7	537968	6991161	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Sphagnum Moss < 30cm	Good	Coarse	
1204179	7	537918	6991158	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Poplar	Leaf Cover	Good	Coarse	Rocky Terrain
1204180	7	537868	6991153	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Poplar	Leaf Cover	Good	Coarse	Rocky Terrain
1204181	7	537818	6991145	9/7/2011	Chocolate Brown	Silt	Dry	Flat	30 B		Poplar	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204182	7	537769	6991133	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1165951	7	538456	6988195	9/7/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Poplar	Leaf Cover	Good	Coarse	Rocky
1165952	7	538412	6988172	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165953	7	538367	6988147	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165954	7	538323	6988122	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	80 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165955	7	538276	6988104	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1165956	7	538227	6988093	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	80 C		Poplar	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky Sample
1165957	7	538177	6988081	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Poplar	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1165958	7	538128	6988071	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky
1165959	7	538128	6988071	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky
1165960	7	538080	6988055	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		Poplar	Leaf Cover	Excellent	Coarse	
1165961	7	538045	6988021	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	80 B		White Spruce	Rock Cover	Good	Coarse	Rocky
1165962	7	538011	6987984	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky
1165963	7	537975	6987949	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165964	7	537942	6987911	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1165965	7	537908	6987874	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	90 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165966	7	537876	6987835	9/7/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 B		Subalpine Fir	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1165967	7	537840	6987799	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165968	7	537799	6987772	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky Terrain
1165969	7	537753	6987748	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	70 C		Poplar	Leaf Cover	Excellent	Coarse	
1165970	7	537711	6987720	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	110 C		Poplar	Sphagnum Moss < 30cm	Excellent	Coarse	
1165971	7	537668	6987694	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		Poplar	Leaf Cover	Excellent	Coarse	Sandy
1165972	7	537622	6987673	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165973	7	537574	6987657	9/7/2011	Grey	Silt	Dry	Subtle Slope	80 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1165974	7	537528	6987638	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	80 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1165975	7	537480	6987622	9/7/2011	Light Bluish Grey	Sand	Dry	Subtle Slope	70 C		Poplar	Thin Moss Cover	Excellent	Coarse	Rocky
1165976	7	537434	6987606	9/7/2011	Grey	Sand	Dry	Subtle Slope	70 C		Poplar	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1165977	7	537386	6987589	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	70 C		Poplar	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky Terrain
1165978	7	537337	6987586	9/7/2011	Grey	Sand	Dry	Subtle Slope	70 C		White Spruce	Thin Moss Cover	Excellent	Coarse	
1165979	7	537286	6987584	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Poplar	Leaf Cover	Good	Coarse	Rocky Terrain
1165980	7	537235	6987581	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Poplar	Leaf Cover	Good	Coarse	Rocky Terrain
1165981	7	537185	6987580	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	80 C		Poplar	Leaf Cover	Good	Coarse	
1165982	7	537135	6987577	9/7/2011	Light Brown	Silt	Dry	Subtle Slope	70 B		White Spruce	Sphagnum Moss < 30cm	Poor	Loess	Rocky
1165983	7	537085	6987575	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	90 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1165984	7	537085	6987575	9/7/2011	Light Brown	Sand	Dry	Subtle Slope	90 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1165701	7	538785	6989710	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Sandy	
1165702	7	538748	6989676	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Sandy	
1165703	7	538711	6989642	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Sandy	
1165704	7	538672	6989610	9/7/2011	Chocolate Brown	Sand	Dry	Flat	40 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Sandy	
1165705	7	538628	6989585	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Small Sample	
1165706	7	538584	6989560	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Sandy	
1165707	7	538536	6989544	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Sandy	
1165708	7	538490	6989525	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	
1165709	7	538441	6989511	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		White Spruce	Sphagnum Moss < 30cm	Good	Fine	
1165710	7	538395	6989493	9/7/2011	Light Bluish Grey	Sand	Dry	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Good	Sandy	
1165711	7	538353	6989465	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Sandy	
1165712	7	538309	6989438	9/7/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky
1165713	7	538262	6989424	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Sandy	
1165714	7	538222	6989393	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1165715	7	538186	6989357	9/7/2011	Grey	Sand	Dry	Subtle Slope	60	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165716	7	538147	6989325	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50	C	White Spruce	Sphagnum Moss < 30cm	Good	Fine	
1165717	7	538115	6989286	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	White Spruce	Sphagnum Moss < 30cm	Good	Sandy	
1165718	7	538088	6989242	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	White Spruce	Sphagnum Moss < 30cm	Good	Sandy	
1165719	7	538068	6989197	9/7/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40	B	White Spruce	Sphagnum Moss < 30cm	Excellent	Fine	Rocky
1165720	7	538049	6989151	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	White Spruce	Sphagnum Moss < 30cm	Good	Fine	
1165721	7	538035	6989104	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	20	B	White Spruce	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1165722	7	538015	6989058	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	C	White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1165723	7	537987	6989015	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	Alder	Reindeer Moss	Excellent	Coarse	
1165724	7	537949	6988981	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165725	7	537949	6988981	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165726	7	537903	6988960	9/7/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40	B	White Spruce	Sphagnum Moss < 30cm	Good	Fine	
1165727	7	537856	6988942	9/7/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30	B	White Spruce	Bare Soil	Good	Fine	
1165728	7	537809	6988923	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	C	White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1165729	7	537772	6988887	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165730	7	537735	6988853	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	
1165731	7	537692	6988827	9/7/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40	B	White Spruce	Leaf Cover	Good	Organic 10%	
1165732	7	537662	6988786	9/7/2011	Grey	Sand	Dry	Pronounced Slope	60	C	White Spruce	Leaf Cover	Excellent	Sandy	
1165733	7	537634	6988744	9/7/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	50	B	White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204241	7	540104	6991399	9/7/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	20	B	Dwarf Birch	Grass Cover	Poor	Rocky Terrain	Organic 25%
1204242	7	540074	6991359	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	20	B	Dwarf Birch	Grass Cover	Good	Rocky Terrain	Fine
1204243	7	540044	6991319	9/7/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50	B	Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky Terrain	Fine
1204244	7	540014	6991280	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40	B	Dwarf Birch	Thin Moss Cover	Good	Fine	Rocky Terrain
1204245	7	539986	6991239	9/7/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40	B	Dwarf Birch	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204246	7	539955	6991199	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40	B	Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky Terrain	Fine
1204247	7	539924	6991159	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30	B	Dwarf Birch	Grass Cover	Poor	Rocky Terrain	Organic 10%
1204248	7	539890	6991122	9/7/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	20	B	Willows	Grass Cover	Poor	Organic 50%	Rocky Terrain
1204249	7	539856	6991086	9/7/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50	B	Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204250	7	539822	6991048	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20	B	Birch Forest	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1204271	7	539788	6991012	9/7/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40	B	Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204272	7	539753	6990976	9/7/2011	Dark Brown	Sand	Damp	Subtle Slope	40	B	Birch Forest	Sphagnum Moss < 30cm	Poor	Organic 10%	Rocky Terrain
1204273	7	539719	6990939	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30	B	Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	Outcrop Nearby
1204274	7	539686	6990903	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40	B	Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204275	7	539652	6990866	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	B	Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Talus
1204256	7	539618	6990829	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30	B	Birch Forest	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 25%
1204257	7	539585	6990791	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30	B	Birch Forest	Sphagnum Moss < 30cm	Poor	Organic 10%	Rocky Terrain
1204258	7	539571	6990742	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	B	White Spruce	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 10%
1204259	7	539556	6990694	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50	B	White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204260	7	539545	6990645	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	B	White Spruce	Thin Moss Cover	Good	Fine	Rocky Terrain
1204251	7	539529	6990598	9/7/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	B	Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204252	7	539512	6990551	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50	B	White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204253	7	539498	6990502	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40	B	White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204254	7	539486	6990453	9/7/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30	B	White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204255	7	539464	6990409	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50	B	Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204191	7	539431	6990372	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30	B	White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204192	7	539396	6990336	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30	B	White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204193	7	539362	6990299	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20	B	Birch Forest	Sphagnum Moss < 30cm	Poor	Talus	Rocky Terrain
1204194	7	539330	6990261	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20	B	Birch Forest	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Fine
1204195	7	539295	6990225	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70	B	White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204196	7	539295	6990225	9/7/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70	B	White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204197	7	539261	6990187	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60	B	White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204198	7	539228	6990149	9/7/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50	B	White Spruce	Sphagnum Moss < 30cm	Good	Rocky Terrain	Talus
1204305	7	542878	6991403	9/8/2011	Dark Grey Black	Clay	Damp	Pronounced Slope	40	A	No Tree Cover	Rock Cover	Poor	Rocky Terrain	Organic 25%
1204306	7	542848	6991442	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	60	B	No Tree Cover	Rock Cover	Poor	Rocky Terrain	Organic 25%
1204307	7	542818	6991482	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	40	A	No Tree Cover	Rock Cover	Poor	Rocky Terrain	Organic 50%
1204308	7	542788	6991522	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	20	A	No Tree Cover	Rock Cover	Poor	Rocky Terrain	Organic 50%
1204309	7	542758	6991563	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	30	A	No Tree Cover	Rock Cover	Poor	Rocky Terrain	Organic 25%
1204310	7	542728	6991602	9/8/2011	Dark Brown	Clay	Dry	Subtle Slope	20	B	No Tree Cover	Rock Cover	Poor	Rocky Terrain	Fine
1204311	7	542699	6991643	9/8/2011	Dark Brown	Silt	Dry	Subtle Slope	30	B	No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1204312	7	542669	6991683	9/8/2011	Dark Brown	Silt	Dry	Subtle Slope	30	B	No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1204313	7	542638	6991723	9/8/2011	Dark Brown	Silt	Dry	Subtle Slope	30	B	No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1204314	7	542608	6991763	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	40	B	No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1204315	7	542579	6991802	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40	B	No Tree Cover	Rock Cover	Good	Coarse	Clay
1204316	7	542550	6991842	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	40	B	No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1204317	7	542520	6991883	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	30	B	No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1204318	7	542490	6991922	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204319	7	542459	6991963	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Clay
1204320	7	542430	6992003	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204321	7	542400	6992042	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1204322	7	542370	6992083	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	40	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1204323	7	542340	6992123	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30	B	No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Organic 25%

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1204324	7	542310	6992164	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Partially Frozen
1204325	7	542280	6992203	9/8/2011	Chocolate Brown	Clay	Damp	Subtle Slope	30 B		No Tree Cover	Rock Cover	Poor	Fine	Rocky Terrain
1204326	7	542250	6992243	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Thin Moss Cover	Good	Coarse	Rocky Terrain
1204327	7	542219	6992286	9/8/2011	Chocolate Brown	Clay	Damp	Subtle Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Small Sample
1204328	7	542190	6992325	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky	Mud
1204329	7	542161	6992364	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Clay
1204330	7	542131	6992404	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Bare Soil	Good	Coarse	Rocky
1204331	7	542101	6992443	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	50 B		Willows	Grass Cover	Good	Coarse	Rocky
1204332	7	542071	6992484	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	70 B		No Tree Cover	Grass Cover	Good	Coarse	Clay
1204333	7	542042	6992525	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	60 B		No Tree Cover	Grass Cover	Good	Clay	Rocky
1204334	7	542011	6992565	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Willows	Sphagnum Moss < 30cm	Good	Coarse	Clay
1204335	7	541982	6992605	9/8/2011	Chocolate Brown	Silt	Damp	Flat	40 B		No Tree Cover	Thin Moss Cover	Good	Rocky	Clay
1204336	7	541951	6992645	9/8/2011	Dark Brown	Clay	Damp	Subtle Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Clay
1204337	7	541921	6992684	9/8/2011	Dark Brown	Clay	Damp	Steep	30 A		No Tree Cover	Rock Cover	Poor	Rocky Terrain	Organic 50%
1204338	7	541892	6992724	9/8/2011	Dark Brown	Clay	Damp	Steep	40 B		Willows	Sphagnum Moss < 30cm	Poor	Clay	Rocky Terrain
1204339	7	541862	6992766	9/8/2011	Dark Brown	Sand	Damp	Steep	40 B		Willows	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1204340	7	541832	6992805	9/8/2011	Dark Brown	Clay	Damp	Steep	40 B		Alders	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1165787	7	543200	6991642	9/8/2011	Chocolate Brown	Silt	Damp	Steep	50 B		Dwarf Birch	Grass Cover	Poor	Fine	Rocky Terrain
1165786	7	543169	6991680	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Poor	Organic 50%	Rocky Sample
1165788	7	543141	6991721	9/8/2011	Chocolate Brown	Silt	Damp	Steep	30 C		No Tree Cover	Grass Cover	Poor	Clay	Coarse
1165789	7	543108	6991761	9/8/2011	Reddish Brown	Silt	Dry	Subtle Slope	30 B		No Tree Cover	Rock Cover	Poor	Rocky Terrain	Fine
1178414	7	543079	6991801	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		No Tree Cover	Reindeer Moss	Good	Coarse	Rocky
1178415	7	543049	6991842	9/8/2011	Dark Brown	Silt	Damp	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky	
1178416	7	543020	6991881	9/8/2011	Chocolate Brown	Sand	Damp	Steep	60 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky	Coarse
1178417	7	542989	6991922	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		Black Spruce	Sphagnum Moss > 30cm	Poor	Fine	
1178418	7	542959	6991961	9/8/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	50 C		Black Spruce	Sphagnum Moss > 30cm	Poor	Rocky Sample	
1178419	7	542930	6992001	9/8/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Poor	Fine	
1178420	7	542901	6992042	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	60 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	
1178421	7	542871	6992082	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Poor	Clay	Fine
1178422	7	542842	6992122	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		No Tree Cover	Reindeer Moss	Poor	Clay	Fine
1178423	7	542812	6992161	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	
1178424	7	542782	6992200	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Sandy
1178425	7	542752	6992242	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	30 B		Black Spruce	Reindeer Moss	Poor	Fine	
1178426	7	542722	6992281	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Clay
1178427	7	542692	6992322	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Coarse
1178428	7	542662	6992362	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	60 B		Dwarf Birch	Reindeer Moss	Poor	Clay	
1165987	7	542631	6992403	9/8/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky	Fine
1165988	7	542601	6992442	9/8/2011	Chocolate Brown	Clay	Damp	Subtle Slope	40 B		Willows	Sphagnum Moss < 30cm	Poor	Fine	
1165989	7	542572	6992484	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	50 C		Black Spruce	Sphagnum Moss < 30cm	Good	Sandy	Coarse
1165990	7	542541	6992523	9/8/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1165991	7	542511	6992562	9/8/2011	Chocolate Brown	Clay	Damp	Subtle Slope	50 C		Black Spruce	Grass Cover	Poor	Sandy	Fine
1165992	7	542483	6992603	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		Black Spruce	Sphagnum Moss < 30cm	Poor	Organic 50%	Fine
1165993	7	542452	6992643	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 C		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Sandy	Fine
1165994	7	542422	6992684	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Fine	Clay
1204276	7	543038	6991522	9/8/2011	Dark Brown	Sand	Damp	Steep	40 B		Buckbrush	Grass Cover	Poor	Organic 25%	Rocky Terrain
1204277	7	543009	6991560	9/8/2011	Dark Brown	Sand	Damp	Steep	40 B		Buckbrush	Grass Cover	Poor	Organic 25%	Rocky Terrain
1204278	7	542979	6991601	9/8/2011	Dark Brown	Sand	Damp	Steep	40 B		Buckbrush	Grass Cover	Poor	Organic 25%	Rusty Rock Chip
1204279	7	542950	6991641	9/8/2011	Chocolate Brown	Sand	Damp	Steep	40 C		No Tree Cover	Thin Moss Cover	Good	Rocky Terrain	
1204280	7	542919	6991682	9/8/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Rock Cover	Poor	Rocky Terrain	Organic 10%
1204281	7	542889	6991721	9/8/2011	Dark Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky Terrain
1204282	7	542859	6991761	9/8/2011	Dark Brown	Silt	Damp	Steep	40 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky Terrain
1204283	7	542829	6991801	9/8/2011	Dark Brown	Sand	Damp	Pronounced Slope	50 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky Terrain
1204284	7	542799	6991841	9/8/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Rock Cover	Poor	Organic 25%	Rocky Terrain
1204285	7	542770	6991881	9/8/2011	Grey	Sand	Damp	Pronounced Slope	40 C		No Tree Cover	Sphagnum Moss > 30cm	Good	Sandy	Rocky Terrain
1204286	7	542739	6991921	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	20 B		Buckbrush	Rock Cover	Poor	Organic 50%	Rocky Terrain
1204287	7	542710	6991962	9/8/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Buckbrush	Bare Soil	Good	Dull Red Rust	Quartz Chips
1204288	7	542680	6992002	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 25%	Partially Frozen
1204289	7	542650	6992042	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Buckbrush	Sphagnum Moss > 30cm	Poor	Rocky Terrain	Organic 25%
1204290	7	542621	6992082	9/8/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		No Tree Cover	Sphagnum Moss > 30cm	Good	Quartz Chips	Rocky Sample
1204291	7	542621	6992082	9/8/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		No Tree Cover	Sphagnum Moss > 30cm	Good	Quartz Chips	Rocky Sample
1204292	7	542590	6992122	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky Terrain
1204293	7	542561	6992162	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 25%	Partially Frozen
1204294	7	542531	6992202	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky Terrain
1204295	7	542501	6992243	9/8/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		No Tree Cover	Sphagnum Moss > 30cm	Good	Organic 10%	Rocky Terrain
1204296	7	542471	6992282	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky Terrain
1204297	7	542441	6992322	9/8/2011	Dark Brown	Silt	Damp	Subtle Slope	70 B		Subalpine Fir	Sphagnum Moss > 30cm	Poor	Organic 25%	Partially Frozen
1204298	7	542411	6992364	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	60 C		Subalpine Fir	Sphagnum Moss > 30cm	Good	Mud	Rocky Sample
1204299	7	542382	6992403	9/8/2011	Dark Brown	Silt	Wet	Subtle Slope	50 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Partially Frozen	Organic 25%
1204300	7	542351	6992444	9/8/2011	Dark Brown	Silt	Wet	Pronounced Slope	60 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Partially Frozen	Organic 25%
1204351	7	542322	6992483	9/8/2011	Dark Brown	Silt	Wet	Pronounced Slope	80 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Mud	Rocky Terrain
1204352	7	542292	6992524	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky Terrain

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1204353	7	542262	6992564	9/8/2011	Chocolate Brown	Sand	Damp	Steep	30 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky Terrain
1204354	7	542231	6992603	9/8/2011	Dark Brown	Silt	Damp	Steep	30 B		Subalpine Fir	Thin Moss Cover	Poor	Organic 25%	Rocky Terrain
1204355	7	542202	6992644	9/8/2011	Chocolate Brown	Sand	Damp	Steep	30 B		Buckbrush	Thin Moss Cover	Poor	Organic 25%	Rocky Terrain
1204356	7	542172	6992684	9/8/2011	Dark Brown	Sand	Damp	Steep	30 B		Buckbrush	Grass Cover	Poor	Organic 25%	Rocky Terrain
1204357	7	542142	6992724	9/8/2011	Dark Brown	Silt	Damp	Steep	40 B		Subalpine Fir	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky Terrain
1176883	7	543278	6991701	9/8/2011	Dark Brown	Silt	Dry	Steep	50 B		No Tree Cover	Grass Cover	Poor	Organic 25%	Rocky Terrain
1176884	7	543248	6991740	9/8/2011	Chocolate Brown	Silt	Dry	Steep	50 B		No Tree Cover	Grass Cover	Poor	Sandy	Rocky Terrain
1176885	7	543220	6991781	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	50 B		No Tree Cover	Grass Cover	Poor	Sandy	Rocky Terrain
1176886	7	543189	6991821	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Grass Cover	Poor	Organic 10%	Rocky Terrain
1176887	7	543159	6991861	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	50 B		No Tree Cover	Thin Moss Cover	Poor	Rocky	Organic 10%
1176888	7	543129	6991902	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Organic 25%	Rocky Terrain
1176889	7	543100	6991941	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Rocky	
1176890	7	543069	6991981	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	30 B		No Tree Cover	Thin Moss Cover	Poor	Rocky Terrain	Organic 25%
1176891	7	543010	6992061	9/8/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Rocky	Organic 10%
1176892	7	542979	6992101	9/8/2011	Dark Brown	Clay	Dry	Pronounced Slope	30 B		No Tree Cover	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1176897	7	542951	6992140	9/8/2011	Dark Grey Black	Clay	Dry	Steep	30 B		No Tree Cover	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1176898	7	542921	6992180	9/8/2011	Dark Brown	Silt	Dry	Steep	40 B		No Tree Cover	Thin Moss Cover	Poor	Organic 25%	Rocky Terrain
1176899	7	542890	6992221	9/8/2011	Chocolate Brown	Sand	Dry	Steep	40 B		No Tree Cover	Thin Moss Cover	Poor	Clay	Rocky Terrain
1176900	7	542861	6992261	9/8/2011	Dark Brown	Clay	Dry	Pronounced Slope	20 B		No Tree Cover	Thin Moss Cover	Poor	Organic 25%	Rocky Terrain
1164944	7	542831	6992301	9/8/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1164945	7	542801	6992341	9/8/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Organic 10%	Rocky Terrain
1164946	7	542771	6992382	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Organic 10%	Rocky
1164947	7	542742	6992422	9/8/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	50 B		No Tree Cover	Reindeer Moss	Poor	Organic 10%	Rocky
1164948	7	542712	6992462	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Clay	Rocky
1164949	7	542681	6992501	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky
1164950	7	542652	6992542	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky
1163337	7	542622	6992582	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	50 B		Willows	Sphagnum Moss < 30cm	Good	Sandy	Rocky
1163338	7	542591	6992623	9/8/2011	Dark Brown	Clay	Wet	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 10%	
1176893	7	542562	6992663	9/8/2011	Dark Grey Black	Clay	Damp	Pronounced Slope	40 B		Willows	Sphagnum Moss < 30cm	Poor	Partially Frozen	Organic 10%
1204183	7	542958	6991461	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	50 B		Buckbrush	Leaf Cover	Poor	Coarse	Organic 25%
1204184	7	542929	6991501	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	50 B		Buckbrush	Rock Cover	Good	Coarse	Organic 10%
1204185	7	542899	6991541	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	10 B		Buckbrush	Rock Cover	Good	Coarse	Talus
1204186	7	542869	6991581	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	20 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Talus	
1204187	7	542809	6991662	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Talus
1204188	7	542780	6991702	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Talus
1204189	7	542749	6991742	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Talus	Organic 10%
1204190	7	542720	6991782	9/8/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Talus
1204191	7	542720	6991782	9/8/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Talus
1204102	7	542689	6991823	9/8/2011	Dark Blue Black	Silt	Damp	Pronounced Slope	30 A		No Tree Cover	Sphagnum Moss > 30cm	Poor	Fine	Talus
1204103	7	542660	6991862	9/8/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Talus
1204104	7	542631	6991901	9/8/2011	Dark Blue Black	Silt	Damp	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss > 30cm	Good	Coarse	Organic 10%
1204105	7	542601	6991942	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	60 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	Talus
1204106	7	542571	6991981	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Organic 10%	Talus
1204107	7	542541	6992021	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	30 A		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 25%	Talus
1204108	7	542511	6992062	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	50 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	Talus
1204109	7	542481	6992102	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Talus
1204110	7	542451	6992142	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Rock Cover	Poor	Organic 10%	Talus
1204111	7	542422	6992182	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		No Tree Cover	Rock Cover	Poor	Organic 10%	Talus
1204112	7	542392	6992222	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	Talus
1204113	7	542362	6992261	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	Talus
1204114	7	542331	6992303	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	Talus
1204115	7	542301	6992343	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	
1204116	7	542271	6992383	9/8/2011	Chocolate Brown	Silt	Wet	Pronounced Slope	60 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	
1204117	7	542241	6992423	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	Rocky Sample
1204118	7	542212	6992463	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	Rocky Sample
1204119	7	542181	6992504	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	
1204120	7	542152	6992544	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	30 B		Buckbrush	Sphagnum Moss < 30cm	Good	Organic 10%	Talus
1204121	7	542122	6992584	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		Buckbrush	Grass Cover	Good	Coarse	
1204122	7	542092	6992624	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		Buckbrush	Grass Cover	Good	Coarse	
1204123	7	542062	6992664	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Talus
1165985	7	543359	6991760	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Grass Cover	Good	Coarse	Rocky Terrain
1165986	7	543330	6991799	9/8/2011	Dark Brown	Silt	Damp	Pronounced Slope	20 B		No Tree Cover	Grass Cover	Good	Coarse	Rocky Terrain
1165801	7	543300	6991840	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Rock Cover	Good	Coarse	Rocky Terrain
1165802	7	543270	6991880	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		No Tree Cover	Grass Cover	Good	Coarse	Rocky Terrain
1165803	7	543240	6991920	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		No Tree Cover	Rock Cover	Poor	Rocky Terrain	Organic 10%
1165804	7	543210	6991961	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	50 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky
1165805	7	543180	6992001	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		No Tree Cover	Grass Cover	Good	Coarse	Rocky Terrain
1165806	7	543180	6992001	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		No Tree Cover	Grass Cover	Good	Coarse	Rocky Terrain
1165807	7	543150	6992041	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	60 B		No Tree Cover	Thin Moss Cover	Good	Organic 10%	Rocky Terrain
1165808	7	543120	6992081	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	50 B		No Tree Cover	Grass Cover	Good	Coarse	Rocky
1165809	7	543089	6992121	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1165810	7	543061	6992161	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		No Tree Cover	Grass Cover	Good	Coarse	Rocky Terrain
1165811	7	543031	6992201	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		No Tree Cover	Reindeer Moss	Poor	Rocky Terrain	Organic 25%
1165812	7	543001	6992241	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Good	Coarse	Rocky Terrain
1165813	7	542972	6992282	9/8/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Good	Coarse	Rocky Terrain
1165814	7	542942	6992321	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Fine	Rocky Terrain
1165815	7	542911	6992362	9/8/2011	Dark Blue Black	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1165816	7	542881	6992401	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1165817	7	542851	6992442	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		No Tree Cover	Reindeer Moss	Good	Coarse	Rocky Terrain
1165818	7	542823	6992481	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1165819	7	542791	6992522	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1165820	7	542762	6992562	9/8/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1165821	7	542732	6992602	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1165822	7	542702	6992642	9/8/2011	Chocolate Brown	Silt	Wet	Subtle Slope	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1165823	7	542672	6992683	9/8/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1165824	7	542642	6992723	9/8/2011	Dark Brown	Silt	Dry	Subtle Slope	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1165825	7	543439	6991819	9/8/2011	Chocolate Brown	Silt	Damp	Steep	60 B		No Tree Cover	Grass Cover	Poor	Rocky Terrain	Rocky
1165852	7	543410	6991859	9/8/2011	Chocolate Brown	Silt	Dry	Steep	40 B		No Tree Cover	Rock Cover	Good	Rocky Terrain	Organic 10%
1165853	7	543380	6991900	9/8/2011	Chocolate Brown	Silt	Dry	Steep	40 B		No Tree Cover	Rock Cover	Good	Rocky Terrain	Rusty Rock Chip
1165854	7	543320	6991980	9/8/2011	Chocolate Brown	Silt	Dry	Steep	50 B		No Tree Cover	Rock Cover	Good	Rocky Terrain	
1165855	7	543290	6992020	9/8/2011	Chocolate Brown	Silt	Dry	Steep	40 B		No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1165856	7	543260	6992060	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1165857	7	543230	6992100	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1165858	7	543201	6992140	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Rock Cover	Poor	Organic 10%	Rocky Terrain
1165859	7	543140	6992221	9/8/2011	Dark Grey Black	Silt	Damp	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 10%	Rocky Terrain
1165860	7	543021	6992381	9/8/2011	Dark Grey Black	Silt	Damp	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1165861	7	542962	6992462	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	
1165862	7	542932	6992502	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	30 B		No Tree Cover	Thin Moss Cover	Poor	Fine	Rocky Terrain
1165863	7	542901	6992542	9/8/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Reindeer Moss	Poor	Rocky	
1165864	7	542872	6992582	9/8/2011	Dark Grey Black	Silt	Damp	Subtle Slope	30 B		No Tree Cover	Reindeer Moss	Poor	Fine	Rocky Sample
1165865	7	542841	6992622	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Reindeer Moss	Good	Organic 10%	Rocky Terrain
1165866	7	542811	6992662	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		No Tree Cover	Reindeer Moss	Good	Fine	Rocky Terrain
1165867	7	542811	6992662	9/8/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		No Tree Cover	Reindeer Moss	Good	Fine	Rocky Terrain
1165868	7	542782	6992702	9/8/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1204128	7	543118	6991581	9/8/2011	Dark Brown	Sand	Damp	Pronounced Slope	50 A		Willows	Grass Cover	Poor	Rocky Terrain	Organic 50%
1204129	7	543089	6991621	9/8/2011	Dark Brown	Sand	Damp	Pronounced Slope	30 B		Dwarf Birch	Grass Cover	Poor	Rocky Terrain	Organic 25%
1204130	7	543059	6991661	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Poor	Rocky Terrain	Organic 10%
1204131	7	543028	6991701	9/8/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		No Tree Cover	Grass Cover	Poor	Rocky Terrain	Organic 25%
1204132	7	542999	6991741	9/8/2011	Dark Brown	Sand	Damp	Pronounced Slope	20 A		No Tree Cover	Thin Moss Cover	Poor	Organic 25%	Rocky Terrain
1204133	7	542969	6991782	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Good	Rocky Sample	Sandy
1204134	7	542969	6991782	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Good	Rocky Terrain	Rocky Sample
1204135	7	542939	6991821	9/8/2011	Dark Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Talus
1204136	7	542909	6991862	9/8/2011	Dark Brown	Sand	Wet	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky Terrain	Fine
1204137	7	542879	6991902	9/8/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Partially Frozen
1204138	7	542850	6991942	9/8/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky Terrain	Wet Soil
1204139	7	542820	6991981	9/8/2011	Dark Brown	Sand	Wet	Subtle Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Partially Frozen	Mud
1204140	7	542790	6992021	9/8/2011	Dark Brown	Sand	Wet	Subtle Slope	30 B		Willows	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 10%
1204141	7	542760	6992061	9/8/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Willows	Grass Cover	Good	Fine	Possible Creek Contamination
1204142	7	542730	6992102	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	60 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky Terrain	Fine
1204143	7	542701	6992142	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	40 B		Willows	Sphagnum Moss < 30cm	Good	Rocky Terrain	Rocky Sample
1204144	7	542670	6992182	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky Terrain	Mud
1204145	7	542640	6992222	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 10%
1204146	7	542611	6992262	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky Terrain	Mud
1204147	7	542580	6992302	9/8/2011	Dark Brown	Sand	Wet	Subtle Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Coarse
1204148	7	542551	6992343	9/8/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204149	7	542521	6992383	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	70 B		Willows	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1204150	7	542491	6992422	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	80 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky Terrain	Wet Soil
1204233	7	542461	6992463	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky Terrain	Coarse
1204234	7	542431	6992503	9/8/2011	Chocolate Brown	Sand	Wet	Subtle Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1204235	7	542401	6992543	9/8/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	80 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 25%
1204236	7	542371	6992584	9/8/2011	Dark Brown	Sand	Wet	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 50%	Partially Frozen
1204237	7	542341	6992624	9/8/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	40 B		Alders	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 10%
1204238	7	542311	6992663	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 B		Dwarf Birch	Thin Moss Cover	Good	Rocky Terrain	Sandy
1204239	7	542282	6992704	9/8/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 25%
1202207	7	539375	6986929	9/9/2011	Dark Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1202208	7	539329	6986909	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Poplar	Leaf Cover	Good	Fine	Sandy
1202209	7	539283	6986888	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Thin Moss Cover	Excellent	Coarse	Rocky
1202210	7	539237	6986869	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		Poplar	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1202211	7	539192	6986848	9/9/2011	Dark Brown	Sand	Dry	Subtle Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1202212	7	539145	6986828	9/9/2011	Reddish Yellow	Sand	Dry	Subtle Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1202213	7	539099	6986807	9/9/2011	Dark Brown	Sand	Dry	Subtle Slope	70 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1202214	7	539052	6986787	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky Terrain

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202215	7	539006	6986766	9/9/2011	Dark Brown	Silt	Damp	Subtle Slope	30	B	White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202216	7	538959	6986746	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	70	C	Black Spruce	Sphagnum Moss < 30cm	Excellent	Fine	Rocky
1202217	7	538911	6986727	9/9/2011	Dark Brown	Sand	Dry	Subtle Slope	30	C	Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1202218	7	538865	6986710	9/9/2011	Reddish Yellow	Sand	Dry	Subtle Slope	60	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1202219	7	538865	6986710	9/9/2011	Reddish Yellow	Sand	Dry	Subtle Slope	60	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1202220	7	538816	6986693	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	70	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1202221	7	538769	6986675	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30	C	White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1202222	7	538722	6986658	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	70	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1202223	7	538674	6986641	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Fine	Sandy
1202224	7	538626	6986624	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Fine	Sandy
1202225	7	538578	6986605	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	80	C	Birch Forest	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1202226	7	538530	6986590	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	70	C	Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1202227	7	538483	6986576	9/9/2011	Reddish Brown	Sand	Damp	Subtle Slope	80	C	Birch Forest	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1202228	7	538434	6986561	9/9/2011	Dark Brown	Sand	Dry	Subtle Slope	70	C	Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1202229	7	538386	6986548	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60	C	Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1202230	7	538336	6986532	9/9/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50	C	Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202231	7	538288	6986518	9/9/2011	Reddish Yellow	Sand	Damp	Subtle Slope	90	C	Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1202232	7	538288	6986518	9/9/2011	Reddish Yellow	Sand	Damp	Subtle Slope	90	C	Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1202233	7	538240	6986504	9/9/2011	Light Brown	Sand	Damp	Subtle Slope	60	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Fine	Sandy
1202234	7	538191	6986489	9/9/2011	Reddish Yellow	Sand	Dry	Subtle Slope	70	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Sandy	Quartz Chips
1202235	7	538144	6986473	9/9/2011	Chocolate Brown	Silt	Dry	Subtle Slope	70	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1202236	7	538100	6986451	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	70	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1202237	7	538058	6986428	9/9/2011	Reddish Yellow	Silt	Damp	Subtle Slope	90	C	Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1202238	7	538009	6986405	9/9/2011	Light Brown	Sand	Dry	Flat	60	C	Birch Forest	Sphagnum Moss < 30cm	Excellent	Fine	Sandy
1202239	7	537962	6986381	9/9/2011	Reddish Yellow	Sand	Dry	Subtle Slope	90	C	Poplar	Sphagnum Moss < 30cm	Excellent	Coarse	Clay
1202240	7	537916	6986357	9/9/2011	Light Grey	Sand	Dry	Subtle Slope	80	C	Birch Forest	Sphagnum Moss < 30cm	Excellent	Rocky	Sandy
1202241	7	537916	6986357	9/9/2011	Light Grey	Sand	Damp	Subtle Slope	80	C	Birch Forest	Sphagnum Moss < 30cm	Excellent	Rocky	Sandy
1178429	7	542539	6988531	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60	C	Birch Forest	Leaf Cover	Excellent	Coarse	Rocky
1178430	7	542539	6988531	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60	C	Birch Forest	Leaf Cover	Excellent	Coarse	Rocky
1178431	7	542543	6988482	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50	C	White Spruce	Leaf Cover	Excellent	Coarse	Rocky
1178432	7	542546	6988432	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	C	White Spruce	Leaf Cover	Excellent	Coarse	Rocky
1178433	7	542549	6988383	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70	C	Birch Forest	Leaf Cover	Excellent	Coarse	Quartz Chips
1178434	7	542541	6988332	9/9/2011	Dark Brown	Sand	Dry	Pronounced Slope	80	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1178435	7	542541	6988332	9/9/2011	Dark Brown	Sand	Damp	Pronounced Slope	80	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1178436	7	542551	6988283	9/9/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60	C	Birch Forest	Leaf Cover	Good	Coarse	
1178437	7	542557	6988232	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70	C	Birch Forest	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1178438	7	542567	6988184	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	90	C	Birch Forest	Leaf Cover	Excellent	Coarse	Quartz Chips
1178439	7	542567	6988134	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70	C	White Spruce	Needle Cover	Excellent	Coarse	Rocky
1178440	7	542571	6988085	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60	C	White Spruce	Needle Cover	Good	Coarse	Quartz Chips
1178441	7	542571	6988035	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70	C	Birch Forest	Leaf Cover	Good	Coarse	Quartz Chips
1178442	7	542579	6987986	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60	C	Birch Forest	Grass Cover	Excellent	Coarse	Rocky
1178443	7	542593	6987938	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	Poplar	Leaf Cover	Excellent	Rocky	Coarse
1178444	7	542588	6987889	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	White Spruce	Thin Moss Cover	Excellent	Coarse	Rocky
1178445	7	542590	6987839	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	90	C	White Spruce	Thin Moss Cover	Excellent	Coarse	Quartz Chips
1178446	7	542596	6987790	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60	C	Poplar	Grass Cover	Good	Coarse	Rocky
1178447	7	542595	6987740	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	Poplar	Grass Cover	Excellent	Coarse	Rocky
1178448	7	542597	6987690	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50	C	Poplar	Leaf Cover	Excellent	Coarse	Quartz Chips
1178449	7	542601	6987641	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	40	C	Poplar	Leaf Cover	Good	Fine	Rocky
1178450	7	542610	6987591	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70	C	Birch Forest	Leaf Cover	Excellent	Coarse	Rocky
1089637	7	542611	6987542	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	Poplar	Grass Cover	Excellent	Coarse	Rocky
1089638	7	542616	6987492	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	Poplar	Grass Cover	Excellent	Coarse	Rocky
1089639	7	542621	6987441	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	Old Burn	Grass Cover	Excellent	Sandy	Coarse
1089640	7	542624	6987392	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	Poplar	Grass Cover	Excellent	Fine	Rocky
1165995	7	542629	6987342	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50	C	Poplar	Grass Cover	Excellent	Rocky	Quartz Chips
1165996	7	542639	6987292	9/9/2011	Light Brown	Sand	Dry	Pronounced Slope	40	C	Poplar	Leaf Cover	Excellent	Coarse	Rocky
1165997	7	542636	6987243	9/9/2011	Light Brown	Sand	Dry	Pronounced Slope	100	C	Poplar	Grass Cover	Excellent	Coarse	Quartz Chips
1165998	7	542652	6987197	9/9/2011	Light Brown	Sand	Dry	Pronounced Slope	70	C	Poplar	Leaf Cover	Excellent	Rocky	Quartz Chips
1165999	7	542669	6987149	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	Poplar	Leaf Cover	Excellent	Coarse	Quartz Chips
1166000	7	542681	6987101	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50	C	Poplar	Grass Cover	Excellent	Coarse	Quartz Chips
1178408	7	542693	6987052	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	Poplar	Grass Cover	Excellent	Coarse	Quartz Chips
1178409	7	542715	6987006	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70	C	Poplar	Grass Cover	Excellent	Coarse	Quartz Chips
1202001	7	541599	6988800	9/9/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50	C	Pine	Thin Moss Cover	Good	Rusty Rock Chip	
1202002	7	541549	6988803	9/9/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70	C	Pine	Sphagnum Moss > 30cm	Good	Rusty Rock Chip	
1202003	7	541499	6988793	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40	C	Buckbrush	Thin Moss Cover	Good	Rocky Sample	
1202004	7	541449	6988794	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40	C	Buckbrush	Thin Moss Cover	Good	Rocky Sample	
1202005	7	541399	6988789	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40	C	Buckbrush	Sphagnum Moss > 30cm	Good	Rocky Sample	Organic 10%
1202006	7	541350	6988782	9/9/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	20	B	White Spruce	Leaf Cover	Poor	Outcrop Nearby	Organic 25%
1202007	7	541301	6988772	9/9/2011	Chocolate Brown	Silt	Damp	Subtle Slope	80	C	Birch Forest	Sphagnum Moss > 30cm	Good	Rocky	
1202008	7	541250	6988771	9/9/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70	C	White Spruce	Sphagnum Moss > 30cm	Good	Rusty Rock Chip	
1202009	7	541201	6988761	9/9/2011	Dark Brown	Silt	Damp	Subtle Slope	50	B	White Spruce	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky
1202010	7	541152	6988753	9/9/2011	Dark Brown	Silt	Wet	Subtle Slope	50	B	Black Spruce	Sphagnum Moss > 30cm	Poor	Organic 25%	Partially Frozen

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202011	7	541106	6988734	9/9/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 C		White Spruce	Sphagnum Moss > 30cm	Good	Organic 25%	Quartz Chips
1202012	7	541057	6988727	9/9/2011	Grey	Silt	Damp	Subtle Slope	40 B		White Spruce	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky
1202013	7	541009	6988710	9/9/2011	Grey	Silt	Wet	Subtle Slope	50 C		White Spruce	Sphagnum Moss > 30cm	Good	Mud	Organic 10%
1202014	7	540959	6988704	9/9/2011	Grey	Silt	Wet	Subtle Slope	40 C		White Spruce	Sphagnum Moss > 30cm	Good	Mud	Partially Frozen
1202015	7	540912	6988687	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Birch Forest	Sphagnum Moss > 30cm	Good	Rocky Sample	Coarse
1202016	7	540863	6988675	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Birch Forest	Sphagnum Moss > 30cm	Good	Rocky	Organic 10%
1202017	7	540814	6988662	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		White Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1202018	7	540765	6988651	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 C		White Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky Sample
1202019	7	540716	6988640	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		White Spruce	Sphagnum Moss > 30cm	Good	Quartz Chips	Coarse
1202020	7	540716	6988640	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		White Spruce	Sphagnum Moss > 30cm	Good	Quartz Chips	Coarse
1202021	7	540666	6988629	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss > 30cm	Good	Organic 10%	Rocky
1202022	7	540619	6988614	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Rocky Sample	Coarse
1202023	7	540571	6988602	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky Sample
1202024	7	540522	6988590	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky Sample
1202025	7	540474	6988574	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss > 30cm	Good	Organic 10%	Rocky
1202026	7	540426	6988561	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss > 30cm	Good	Rocky	
1202027	7	540376	6988547	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	80 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1202028	7	540327	6988535	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1202029	7	540278	6988522	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Black Spruce	Sphagnum Moss > 30cm	Good	Rocky Sample	Rusty Rock Chip
1202030	7	540229	6988509	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	90 C		Black Spruce	Sphagnum Moss > 30cm	Excellent	Quartz Chips	Bright Orange Rust
1202031	7	540229	6988509	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	90 C		Black Spruce	Sphagnum Moss > 30cm	Excellent	Quartz Chips	Bright Orange Rust
1202032	7	540182	6988493	9/9/2011	Chocolate Brown	Silt	Dry	Subtle Slope	70 C		Black Spruce	Sphagnum Moss > 30cm	Good	Rocky	
1204358	7	540134	6988482	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	80 C		Black Spruce	Sphagnum Moss > 30cm	Good	Rocky	
1204359	7	540087	6988464	9/9/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 C		Black Spruce	Sphagnum Moss > 30cm	Good	Sandy	Rocky
1163058	7	540658	6987450	9/9/2011	Grey	Sand	Dry	Subtle Slope	70 C		Birch Forest	Sphagnum Moss < 30cm	Excellent		
1163059	7	540623	6987412	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Rocky	Quartz Chips
1163060	7	540582	6987381	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Reindeer Moss	Excellent	Rocky	
1163061	7	540541	6987351	9/9/2011	Grey	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Rocky Terrain	Quartz Chips
1163062	7	540507	6987313	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	90 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Clay	
1163063	7	540507	6987313	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	90 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Clay	
1163064	7	540474	6987275	9/9/2011	Grey	Clay	Damp	Subtle Slope	80 C		Birch Forest	Sphagnum Moss < 30cm	Good		
1163065	7	540464	6987226	9/9/2011	Chocolate Brown	Sand	Dry	Flat	40 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Rocky Terrain	
1163066	7	540463	6987175	9/9/2011	Grey	Sand	Dry	Subtle Slope	60 C		Birch Forest	Leaf Cover	Excellent	Quartz Chips	
1163067	7	540487	6987131	9/9/2011	Chocolate Brown	Sand	Dry	Flat	60 C		Birch Forest	Leaf Cover	Excellent	Quartz Chips	
1163068	7	540481	6987080	9/9/2011	Chocolate Brown	Sand	Dry	Flat	40 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Quartz Chips	
1163069	7	540494	6987030	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Rocky	
1163070	7	540502	6986981	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Birch Forest	Leaf Cover	Excellent	Quartz Chips	
1163071	7	540500	6986931	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Rocky	
1163072	7	540483	6986882	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Rocky	
1163073	7	540516	6986845	9/9/2011	Grey	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Excellent	Quartz Chips	
1163075	7	540512	6986795	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Excellent	Rocky	
1163076	7	540501	6986746	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Excellent	Rocky	Quartz Chips
1163077	7	540481	6986699	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Leaf Cover	Excellent	Quartz Chips	
1163078	7	540481	6986699	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Leaf Cover	Excellent	Quartz Chips	
1163079	7	540452	6986657	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Excellent	Rusty Rock Chip	
1163080	7	540456	6986607	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Birch Forest	Needle Cover	Excellent	Quartz Chips	
1163081	7	540436	6986561	9/9/2011	Grey	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Excellent	Quartz Chips	
1163082	7	540436	6986511	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Birch Forest	Grass Cover	Good	Clay	
1163083	7	540403	6986471	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Excellent		
1163084	7	540400	6986422	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Birch Forest	Leaf Cover	Excellent	Rusty Rock Chip	
1163085	7	540396	6986372	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 C		Birch Forest	Leaf Cover	Excellent	Clay	Quartz Chips
1163086	7	540388	6986322	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Grass Cover	Excellent		
1163087	7	540368	6986276	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		Birch Forest	Leaf Cover	Excellent		
1163088	7	540345	6986232	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		Birch Forest	Leaf Cover	Excellent		
1163089	7	540325	6986185	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		Birch Forest	Leaf Cover	Excellent		
1163090	7	540299	6986144	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Birch Forest	Leaf Cover	Excellent		
1163091	7	540259	6986114	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		Birch Forest	Leaf Cover	Excellent	Quartz Chips	Rusty Rock Chip
1163092	7	540259	6986114	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		Birch Forest	Leaf Cover	Excellent	Quartz Chips	Rusty Rock Chip
1163093	7	540234	6986071	9/9/2011	Grey	Sand	Damp	Subtle Slope	60 C		Birch Forest	Leaf Cover	Good	Clay	Quartz Chips
1163094	7	540198	6986035	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Excellent	Rocky	Quartz Chips
1171501	7	541184	6986535	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		Old Burn	Grass Cover	Excellent	Coarse	
1171502	7	541186	6986535	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		Old Burn	Grass Cover	Excellent	Coarse	
1171503	7	541176	6986486	9/9/2011	Dark Brown	Sand	Dry	Subtle Slope	40 B		Old Burn	Leaf Cover	Good	Rocky	Organic 10%
1171504	7	541163	6986438	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Old Burn	Leaf Cover	Excellent	Coarse	
1171505	7	541159	6986388	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Old Burn	Burnt Moss	Excellent	Quartz Chips	Coarse
1171506	7	541149	6986339	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Old Burn	Thin Moss Cover	Excellent	Coarse	Quartz Chips
1171507	7	541132	6986291	9/9/2011	Light Brown	Sand	Dry	Flat	40 C		Old Burn	Bare Soil	Good	Fine	
1171508	7	541117	6986243	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Old Burn	Leaf Cover	Good	Coarse	
1171509	7	541103	6986195	9/9/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		Old Burn	Bare Soil	Good	Quartz Chips	Coarse
1171510	7	541090	6986147	9/9/2011	Chocolate Brown	Clay	Damp	Subtle Slope	50 B		Old Burn	Thin Moss Cover	Good	Rocky	Coarse
1171511	7	541076	6986098	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 B		Old Burn	Bare Soil	Good	Fine	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1171512	7	541068	6986049	9/9/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Old Burn	Thin Moss Cover	Good	Clay	Coarse
1171513	7	541058	6985999	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Old Burn	Bare Soil	Good	Coarse	Quartz Chips
1171514	7	541049	6985949	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Old Burn	Leaf Cover	Excellent	Coarse	Quartz Chips
1171515	7	541042	6985899	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Grass Cover	Good	Clay	Coarse
1171516	7	541030	6985850	9/9/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		Old Burn	Leaf Cover	Good	Coarse	Quartz Chips
1171517	7	541021	6985800	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Old Burn	Leaf Cover	Good	Coarse	Quartz Chips
1171518	7	541012	6985750	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Old Burn	Leaf Cover	Excellent	Coarse	Quartz Chips
1171519	7	541017	6985701	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Old Burn	Grass Cover	Good	Rocky	
1171520	7	541014	6985650	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Old Burn	Leaf Cover	Excellent	Coarse	Quartz Chips
1171521	7	540993	6985604	9/9/2011	Dark Brown	Sand	Dry	Pronounced Slope	50 C		Old Burn	Leaf Cover	Excellent	Coarse	Quartz Chips
1171522	7	540993	6985603	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Old Burn	Leaf Cover	Excellent	Coarse	Quartz Chips
1171523	7	540995	6985553	9/9/2011	Dark Brown	Sand	Dry	Pronounced Slope	50 C		Old Burn	Thin Moss Cover	Excellent	Coarse	Quartz Chips
1171524	7	540993	6985503	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Old Burn	Leaf Cover	Poor	Sandy	Rocky
1171525	7	540990	6985454	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Old Burn	Bare Soil	Good	Coarse	Quartz Chips
1171526	7	540983	6985404	9/9/2011	Pale Greenish	Sand	Dry	Pronounced Slope	70 C		Old Burn	Bare Soil	Good	Fine	
1171527	7	540981	6985355	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Old Burn	Leaf Cover	Excellent	Coarse	Quartz Chips
1171528	7	540983	6985305	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Old Burn	Bare Soil	Excellent	Coarse	Quartz Chips
1171529	7	540985	6985255	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Old Burn	Bare Soil	Excellent	Coarse	Quartz Chips
1171530	7	540972	6985206	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Old Burn	Bare Soil	Good	Coarse	Rocky
1171531	7	540957	6985157	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	60 C		Old Burn	Thin Moss Cover	Good	Clay	Quartz Chips
1171532	7	540939	6985110	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Old Burn	Thin Moss Cover	Excellent	Coarse	Quartz Chips
1171533	7	540929	6985061	9/9/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Thin Moss Cover	Good	Sandy	Rocky
1171534	7	540907	6985016	9/9/2011	Grey	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Leaf Cover	Good	Coarse	
1171535	7	540908	6985015	9/9/2011	Grey	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Leaf Cover	Good	Coarse	
1204261	7	540762	6987853	9/9/2011	Chocolate Brown	Clay	Dry	Subtle Slope	50 C		Birch Forest	Thin Moss Cover	Excellent	Rocky	Fine
1204262	7	540718	6987830	9/9/2011	Chocolate Brown	Clay	Dry	Subtle Slope	60 C		Birch Forest	Thin Moss Cover	Excellent	Rocky	Fine
1204263	7	540718	6987830	9/9/2011	Chocolate Brown	Clay	Dry	Subtle Slope	60 C		Birch Forest	Thin Moss Cover	Excellent	Rocky	Fine
1204264	7	540672	6987806	9/9/2011	Chocolate Brown	Clay	Dry	Subtle Slope	60 C		Birch Forest	Grass Cover	Excellent	Coarse	Rocky
1204265	7	540626	6987783	9/9/2011	Dark Brown	Clay	Dry	Subtle Slope	60 C		Birch Forest	Grass Cover	Excellent	Coarse	Rocky
1204266	7	540583	6987759	9/9/2011	Dark Brown	Clay	Dry	Subtle Slope	60 C		White Spruce	Thin Moss Cover	Excellent	Coarse	Rocky
1204267	7	540538	6987736	9/9/2011	Dark Brown	Clay	Dry	Subtle Slope	50 C		Birch Forest	Grass Cover	Excellent	Coarse	Rocky
1204268	7	540492	6987713	9/9/2011	Dark Brown	Clay	Damp	Subtle Slope	80 C		Birch Forest	Grass Cover	Excellent	Coarse	Rocky
1204269	7	540448	6987689	9/9/2011	Dark Brown	Clay	Wet	Subtle Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1204270	7	540403	6987667	9/9/2011	Dark Grey Black	Clay	Wet	Subtle Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Mud	Fine
1204451	7	540354	6987662	9/9/2011	Dark Brown	Clay	Wet	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Mud	Coarse
1204452	7	540304	6987656	9/9/2011	Dark Brown	Sand	Wet	Pronounced Slope	70 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1204453	7	540255	6987650	9/9/2011	Dark Brown	Clay	Damp	Pronounced Slope	70 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1204454	7	540203	6987645	9/9/2011	Dark Brown	Clay	Wet	Pronounced Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1204455	7	540152	6987638	9/9/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1204456	7	540103	6987636	9/9/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1204457	7	540054	6987629	9/9/2011	Dark Brown	Clay	Damp	Pronounced Slope	60 C		Alders	Grass Cover	Excellent	Coarse	Rocky
1204458	7	540002	6987625	9/9/2011	Dark Brown	Clay	Wet	Pronounced Slope	50 C		Alders	Sphagnum Moss < 30cm	Good	Coarse	Mud
1204459	7	539953	6987618	9/9/2011	Dark Brown	Clay	Wet	Pronounced Slope	70 C		Alders	Sphagnum Moss < 30cm	Good	Rocky	Mud
1204460	7	539903	6987616	9/9/2011	Dark Brown	Clay	Wet	Pronounced Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Mud	Partially Frozen
1204461	7	539853	6987616	9/9/2011	Dark Brown	Clay	Wet	Pronounced Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Mud	Fine
1204462	7	539802	6987613	9/9/2011	Dark Grey Black	Clay	Wet	Pronounced Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Mud	Partially Frozen
1204463	7	539749	6987611	9/9/2011	Dark Brown	Clay	Damp	Pronounced Slope	70 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Mud
1204464	7	539699	6987607	9/9/2011	Grey	Clay	Damp	Pronounced Slope	70 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Mud
1204465	7	539649	6987598	9/9/2011	Dark Blue Black	Clay	Wet	Pronounced Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Mud	Fine
1201200	7	539600	6987579	9/9/2011	Grey	Clay	Damp	Pronounced Slope	90 C		Alders	Thin Moss Cover	Excellent	Fine	
1201199	7	539552	6987558	9/9/2011	Dark Blue Black	Clay	Wet	Pronounced Slope	70 B		Alders	Thin Moss Cover	Good	Mud	Rocky
1201192	7	539503	6987543	9/9/2011	Dark Grey Black	Clay	Wet	Pronounced Slope	50 B		Alders	Sphagnum Moss < 30cm	Good	Mud	Fine
1201193	7	539455	6987524	9/9/2011	Dark Grey Black	Clay	Wet	Pronounced Slope	60 C		Alders	Grass Cover	Excellent	Coarse	Mud
1201194	7	539404	6987513	9/9/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1201195	7	539354	6987513	9/9/2011	Grey	Clay	Wet	Pronounced Slope	80 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Mud
1201196	7	539303	6987513	9/9/2011	Dark Grey Black	Clay	Damp	Pronounced Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Good	Partially Frozen	Fine
1204393	7	540037	6988447	9/9/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	
1204394	7	539986	6988444	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1204395	7	539936	6988441	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1204396	7	539886	6988438	9/9/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	60 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1204397	7	539834	6988434	9/9/2011	Grey	Silt	Dry	Pronounced Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Talus
1204398	7	539784	6988432	9/9/2011	Dark Brown	Silt	Dry	Pronounced Slope	60 B		Black Spruce	Leaf Cover	Good	Coarse	Talus
1204399	7	539735	6988430	9/9/2011	Dark Brown	Silt	Dry	Pronounced Slope	60 B		Black Spruce	Leaf Cover	Good	Coarse	
1204400	7	539685	6988430	9/9/2011	Dark Brown	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Grass Cover	Good	Coarse	
1204447	7	539635	6988428	9/9/2011	Dark Brown	Silt	Damp	Pronounced Slope	70 B		Birch Forest	Leaf Cover	Good	Coarse	
1204448	7	539585	6988426	9/9/2011	Dark Brown	Silt	Damp	Pronounced Slope	80 B		Birch Forest	Grass Cover	Good	Coarse	
1204449	7	539534	6988427	9/9/2011	Dark Brown	Silt	Damp	Subtle Slope	60 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	Possible Creek Contamination
1204450	7	539484	6988425	9/9/2011	Dark Brown	Silt	Damp	Pronounced Slope	80 B		Birch Forest	Leaf Cover	Good	Coarse	
1202051	7	539433	6988412	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		White Spruce	Leaf Cover	Good	Coarse	
1202052	7	539393	6988383	9/9/2011	Grey	Sand	Dry	Pronounced Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Fine	
1202053	7	539353	6988349	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Poplar	Leaf Cover	Good	Coarse	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202054	7	539314	6988317	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		White Spruce	Grass Cover	Good	Coarse	
1202055	7	539274	6988286	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202056	7	539232	6988259	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202057	7	539188	6988235	9/9/2011	Grey	Silt	Damp	Pronounced Slope	80 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202058	7	539145	6988209	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202059	7	539102	6988180	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202060	7	539061	6988152	9/9/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202061	7	539024	6988119	9/9/2011	Grey	Silt	Damp	Pronounced Slope	80 C		Poplar	Leaf Cover	Good	Coarse	
1202062	7	539024	6988119	9/9/2011	Grey	Silt	Damp	Pronounced Slope	80 C		Poplar	Leaf Cover	Good	Coarse	
1202063	7	538986	6988088	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Poplar	Leaf Cover	Good	Coarse	
1202064	7	538945	6988055	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Poplar	Leaf Cover	Good	Coarse	
1202065	7	538898	6988036	9/9/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		White Spruce	Grass Cover	Good	Coarse	
1202066	7	538847	6988032	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		White Spruce	Leaf Cover	Good	Coarse	
1202067	7	538798	6988027	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		White Spruce	Leaf Cover	Good	Coarse	
1202068	7	538747	6988022	9/9/2011	Grey	Sand	Damp	Pronounced Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202069	7	538708	6987992	9/9/2011	Dark Brown	Silt	Damp	Steep	90 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202070	7	538708	6987992	9/9/2011	Dark Brown	Silt	Damp	Pronounced Slope	90 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202071	7	538671	6987958	9/9/2011	Dark Brown	Silt	Damp	Pronounced Slope	70 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202072	7	538635	6987923	9/9/2011	Grey	Sand	Dry	Pronounced Slope	70 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Quartz Chips
1202073	7	538635	6987923	9/9/2011	Grey	Sand	Dry	Pronounced Slope	70 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Quartz Chips
1165825	7	543109	6987862	9/9/2011	Chocolate Brown	Silt	Dry	Subtle Slope	70 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Sample
1165826	7	543103	6987813	9/9/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Birch Forest	Grass Cover	Good	Coarse	
1165827	7	543096	6987762	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	80 C		White Spruce	Grass Cover	Excellent	Coarse	
1165828	7	543096	6987762	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	80 C		White Spruce	Grass Cover	Excellent	Coarse	
1165829	7	543091	6987712	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky Terrain
1165830	7	543094	6987662	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Thin Moss Cover	Excellent	Coarse	Rocky Terrain
1165831	7	543098	6987613	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Thin Moss Cover	Excellent	Coarse	Rocky Terrain
1165832	7	543103	6987563	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Thin Moss Cover	Excellent	Coarse	Rocky Terrain
1165833	7	543110	6987514	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky Terrain
1165834	7	543133	6987469	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Thin Moss Cover	Excellent	Coarse	Rocky Terrain
1171551	7	543128	6987420	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky Terrain
1171552	7	543128	6987420	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky Terrain
1171553	7	543134	6987370	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky
1171554	7	543141	6987320	9/9/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Poplar	Thin Moss Cover	Poor	Fine	Rocky Terrain
1171555	7	543138	6987270	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Thin Moss Cover	Excellent	Coarse	Rocky Terrain
1171556	7	543145	6987221	9/9/2011	Reddish Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky Terrain
1171557	7	543166	6987175	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	70 C		Poplar	Bare Soil	Excellent	Coarse	
1171558	7	543195	6987135	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	70 C		Poplar	Thin Moss Cover	Excellent	Coarse	
1171559	7	543224	6987094	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	80 C		Poplar	Leaf Cover	Excellent	Coarse	
1171560	7	543249	6987052	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Excellent	Coarse	Rocky Terrain
1171561	7	543272	6987007	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	80 C		Poplar	Thin Moss Cover	Excellent	Coarse	Sandy
1171562	7	543272	6987007	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	80 C		Poplar	Thin Moss Cover	Excellent	Coarse	Sandy
1171563	7	543291	6986961	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Thin Moss Cover	Excellent	Coarse	Rocky
1171564	7	543313	6986916	9/9/2011	Reddish Yellow	Sand	Dry	Subtle Slope	60 C		Birch Forest	Leaf Cover	Excellent	Coarse	Sandy
1171565	7	543332	6986870	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Excellent	Coarse	Rocky
1171566	7	543354	6986824	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Excellent	Coarse	Rocky
1171567	7	543375	6986779	9/9/2011	Light Brown	Silt	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1171568	7	543395	6986733	9/9/2011	Light Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1171569	7	543409	6986685	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Excellent	Coarse	Rocky Terrain
1171570	7	543422	6986637	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Thin Moss Cover	Excellent	Coarse	
1171571	7	543432	6986588	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 C		Birch Forest	Thin Moss Cover	Excellent	Coarse	Rocky Terrain
1171572	7	543446	6986540	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Birch Forest	Thin Moss Cover	Excellent	Coarse	Rocky Terrain
1171573	7	543457	6986492	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Thin Moss Cover	Excellent	Coarse	Rocky Terrain
1171574	7	543470	6986444	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Excellent	Coarse	Rocky Terrain
1171575	7	543482	6986395	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Excellent	Coarse	Rocky Terrain
1171576	7	543491	6986362	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Excellent	Coarse	
1165875	7	541203	6988162	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1165876	7	541205	6988112	9/9/2011	Chocolate Brown	Clay	Damp	Subtle Slope	40 C		White Spruce	Sphagnum Moss < 30cm	Good	Rocky	
1165877	7	541206	6988062	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Sandy	
1165878	7	541204	6988011	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Sandy	
1165879	7	541204	6988011	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Sandy	
1165880	7	541213	6987961	9/9/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Fine	
1165881	7	541210	6987910	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Good	Coarse	
1165882	7	541217	6987861	9/9/2011	Grey	Silt	Damp	Subtle Slope	70 B		Black Spruce	Bare Soil	Good	Coarse	
1165883	7	541215	6987810	9/9/2011	Grey	Clay	Damp	Subtle Slope	60 B		Black Spruce	Bare Soil	Poor	Fine	
1165884	7	541216	6987760	9/9/2011	Grey	Clay	Damp	Subtle Slope	80 B		Black Spruce	Reindeer Moss	Poor	Fine	
1165885	7	541221	6987710	9/9/2011	Grey	Clay	Damp	Subtle Slope	80 B		Dwarf Birch	Bare Soil	Poor	Fine	
1165886	7	541223	6987661	9/9/2011	Grey	Clay	Dry	Subtle Slope	70 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1165887	7	541225	6987611	9/9/2011	Grey	Clay	Damp	Subtle Slope	70 B		Black Spruce	Bare Soil	Poor	Fine	
1165888	7	541224	6987560	9/9/2011	Grey	Clay	Damp	Subtle Slope	70 B		Willows	Bare Soil	Poor	Fine	
1165889	7	541224	6987509	9/9/2011	Grey	Clay	Damp	Subtle Slope	70 B		Willows	Bare Soil	Good	Coarse	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1165890	7	541221	6987461	9/9/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Old Burn	Bare Soil	Good	Coarse	
1165891	7	541221	6987411	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Bare Soil	Good	Coarse	
1165892	7	541218	6987362	9/9/2011	Chocolate Brown	Silt	Damp	Flat	40 B		Birch Forest	Bare Soil	Good	Fine	Rocky
1165893	7	541218	6987312	9/9/2011	Chocolate Brown	Clay	Dry	Flat	50 B		Birch Forest	Bare Soil	Excellent	Fine	
1165894	7	541213	6987261	9/9/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 C		Birch Forest	Bare Soil	Good	Coarse	
1165895	7	541211	6987211	9/9/2011	Chocolate Brown	Sand	Dry	Flat	50 C		Birch Forest	Bare Soil	Excellent	Sandy	
1165896	7	541216	6987161	9/9/2011	Chocolate Brown	Clay	Damp	Subtle Slope	50 B		Old Burn	Bare Soil	Good	Fine	
1165897	7	541211	6987112	9/9/2011	Light Brown	Sand	Dry	Subtle Slope	60 C		Birch Forest	Bare Soil	Good	Sandy	
1165898	7	541210	6987061	9/9/2011	Grey	Sand	Dry	Subtle Slope	40 C		Old Burn	Bare Soil	Good	Coarse	
1165899	7	541210	6987061	9/9/2011	Grey	Sand	Dry	Subtle Slope	40 C		Old Burn	Bare Soil	Good	Coarse	
1165900	7	541215	6987011	9/9/2011	Chocolate Brown	Clay	Damp	Subtle Slope	40 B		Old Burn	Grass Cover	Poor	Fine	
1165675	7	541217	6986961	9/9/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Old Burn	Bare Soil	Good	Fine	
1165676	7	541219	6986911	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Grass Cover	Good	Coarse	
1165677	7	541225	6986860	9/9/2011	Grey	Silt	Damp	Subtle Slope	40 B		Birch Forest	Grass Cover	Good	Coarse	Rocky
1165678	7	541233	6986812	9/9/2011	Chocolate Brown	Clay	Dry	Subtle Slope	70 B		Willows	Leaf Cover	Good	Fine	
1165679	7	541212	6986765	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Old Burn	Leaf Cover	Excellent	Coarse	
1165680	7	541212	6986765	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Old Burn	Leaf Cover	Excellent	Coarse	
1165681	7	541206	6986715	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Excellent	Sandy	
1165870	7	541202	6986666	9/9/2011	Grey	Sand	Damp	Subtle Slope	80 C		Birch Forest	Grass Cover	Good	Fine	Rocky
1165871	7	541196	6986615	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Grass Cover	Excellent	Sandy	
1165872	7	541196	6986615	9/9/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Grass Cover	Excellent	Sandy	
1165869	7	541176	6986569	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Excellent	Sandy	
1202090	7	540419	6987297	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Rusty Rock Chip	Rocky Terrain
1202091	7	540369	6987293	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	Rocky Sample
1202092	7	540318	6987293	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 B		Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	Rusty Rock Chip
1202093	7	540269	6987286	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Quartz Chips	Coarse
1202094	7	540220	6987277	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	Coarse
1202095	7	540169	6987277	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Good	Quartz Chips	Rusty Rock Chip
1202096	7	540120	6987269	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202097	7	540071	6987259	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Quartz Chips	Coarse
1202098	7	540071	6987259	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Quartz Chips	Coarse
1202099	7	540023	6987246	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202100	7	539975	6987232	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202101	7	539928	6987218	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Sandy
1202102	7	539879	6987206	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202103	7	539829	6987202	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1202104	7	539782	6987185	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202105	7	539741	6987156	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	Coarse
1202106	7	539700	6987128	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1202107	7	539657	6987102	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202108	7	539615	6987074	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202109	7	539577	6987042	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202110	7	539533	6987020	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202111	7	539490	6986993	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202112	7	539442	6986977	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202113	7	539392	6986979	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Quartz Chips	Coarse
1202114	7	539351	6987010	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Quartz Chips
1202115	7	539351	6987010	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Quartz Chips
1202116	7	539310	6987038	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202117	7	539268	6987068	9/9/2011	Reddish Brown	Sand	Dry	Subtle Slope	60 C		White Spruce	Sphagnum Moss < 30cm	Excellent	Fine	Sandy
1202118	7	539231	6987101	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		White Spruce	Sphagnum Moss < 30cm	Poor	Loess	Rocky Terrain
1202119	7	539192	6987132	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Coarse	Quartz Chips
1202120	7	539148	6987159	9/9/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202121	7	539101	6987177	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Poor	Coarse	Rocky Terrain
1204199	7	539054	6987196	9/9/2011	Chocolate Brown	Sand	Wet	Subtle Slope	60 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204240	7	539007	6987214	9/9/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202201	7	543178	6989897	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	30 B		Old Burn	Grass Cover	Good	Fine	Rocky Terrain
1202401	7	543220	6989870	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Old Burn	Grass Cover	Good	Fine	Rocky
1202402	7	543248	6989828	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Old Burn	Grass Cover	Good	Fine	Rocky Terrain
1202403	7	543275	6989786	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		Dwarf Birch	Burnt Moss	Good	Fine	Rocky Terrain
1202404	7	543291	6989740	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Dwarf Birch	Burnt Moss	Good	Fine	Rocky Terrain
1202405	7	543324	6989702	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Willows	Grass Cover	Poor	Fine	Rocky Terrain
1202406	7	543357	6989667	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Old Burn	Grass Cover	Good	Fine	Rocky Terrain
1202407	7	543390	6989631	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Old Burn	Burnt Moss	Good	Fine	Rocky Terrain
1202408	7	543424	6989594	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Old Burn	Grass Cover	Good	Fine	Rocky
1202410	7	543491	6989522	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Old Burn	Grass Cover	Good	Fine	Rocky Terrain
1202411	7	543521	6989480	9/10/2011	Dark Brown	Silt	Damp	Subtle Slope	40 B		Poplar	Leaf Cover	Good	Fine	Rocky Terrain
1202412	7	543540	6989435	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	30 B		Poplar	Leaf Cover	Good	Coarse	Rocky Terrain
1202413	7	543559	6989387	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		Willows	Grass Cover	Good	Coarse	Clay
1202414	7	543577	6989343	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Alders	Grass Cover	Good	Fine	Outcrop Nearby
1202415	7	543597	6989297	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		Willows	Grass Cover	Good	Fine	Rocky Terrain

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202416	7	543617	6989249	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	20 B		Willows	Burnt Moss	Poor	Fine	Rocky Terrain
1202417	7	543638	6989205	9/10/2011	Dark Brown	Silt	Damp	Pronounced Slope	30 B		Willows	Thin Moss Cover	Poor	Fine	Rocky Terrain
1202420	7	543656	6989159	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Old Burn	Thin Moss Cover	Good	Coarse	Rocky
1202421	7	543678	6989116	9/10/2011	Light Brown	Silt	Damp	Subtle Slope	70 C		Willows	Burnt Moss	Excellent	Fine	Rocky
1202422	7	543678	6989116	9/10/2011	Light Brown	Silt	Damp	Subtle Slope	70 C		Willows	Burnt Moss	Excellent	Fine	Rocky
1202423	7	543701	6989072	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 C		Willows	Thin Moss Cover	Excellent	Fine	Rocky
1202424	7	543724	6989027	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Poplar	Leaf Cover	Poor	Rocky	Rocky Terrain
1202425	7	543745	6988984	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Poplar	Burnt Moss	Excellent	Rocky	Coarse
1202426	7	543767	6988940	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 C		Poplar	Leaf Cover	Excellent	Coarse	Clay
1202427	7	543791	6988896	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Poplar	Leaf Cover	Good	Coarse	Rocky
1202428	7	543813	6988851	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Willows	Burnt Moss	Good	Coarse	Rocky Terrain
1202429	7	543835	6988806	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Poplar	Grass Cover	Good	Fine	Clay
1202430	7	543859	6988762	9/10/2011	Light Brown	Clay	Damp	Subtle Slope	110 B		Alders	Burnt Moss	Good	Fine	Clay
1202431	7	543882	6988717	9/10/2011	Light Brown	Clay	Damp	Subtle Slope	90 B		Alders	Grass Cover	Good	Fine	Clay
1202432	7	543905	6988672	9/10/2011	Dark Brown	Clay	Damp	Subtle Slope	100 B		Old Burn	Burnt Moss	Good	Fine	Clay
1202409	7	543458	6989558	9/10/2011	Chocolate Brown	Clay	Damp	Subtle Slope	50 B		Old Burn	Grass Cover	Good	Rocky	
1178410	7	541604	6992946	9/10/2011	Dark Brown	Silt	Damp	Steep	30 B		Dwarf Birch	Rock Cover	Poor	Fine	Sandy
1178411	7	541634	6992905	9/10/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 B		Willows	Sphagnum Moss < 30cm	Poor	Fine	
1178412	7	541662	6992865	9/10/2011	Dark Brown	Silt	Damp	Steep	60 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Sandy	Rocky
1178413	7	541692	6992823	9/10/2011	Dark Brown	Sand	Wet	Steep	50 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1171768	7	541723	6992786	9/10/2011	Dark Brown	Silt	Damp	Steep	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Organic 25%	Fine
1171769	7	541753	6992744	9/10/2011	Dark Brown	Silt	Damp	Steep	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Organic 25%
1171770	7	541782	6992704	9/10/2011	Dark Brown	Silt	Damp	Steep	50 B		Black Spruce	Sphagnum Moss < 30cm	Poor	Fine	
1171771	7	541812	6992665	9/10/2011	Dark Brown	Silt	Damp	Steep	50 B		Black Spruce	Sphagnum Moss < 30cm	Poor	Fine	Organic 25%
1171772	7	541843	6992623	9/10/2011	Dark Brown	Silt	Damp	Steep	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky	Organic 25%
1171773	7	541872	6992584	9/10/2011	Dark Brown	Silt	Damp	Steep	30 C		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Organic 25%
1171774	7	541903	6992544	9/10/2011	Chocolate Brown	Silt	Damp	Steep	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1171775	7	541932	6992504	9/10/2011	Chocolate Brown	Clay	Damp	Flat	50 C		No Tree Cover	Reindeer Moss	Poor	Fine	Rocky Terrain
1171776	7	541959	6992466	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Reindeer Moss	Poor	Fine	
1171777	7	541992	6992423	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		No Tree Cover	Reindeer Moss	Good	Rocky Terrain	Fine
1171778	7	542023	6992382	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		No Tree Cover	Reindeer Moss	Poor	Rocky Terrain	Fine
1171779	7	542052	6992344	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Grass Cover	Poor	Fine	Organic 25%
1171780	7	542082	6992304	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 C		No Tree Cover	Reindeer Moss	Good	Coarse	Rocky
1171781	7	542111	6992262	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		No Tree Cover	Reindeer Moss	Good	Rocky	Coarse
1171782	7	542172	6992182	9/10/2011	Chocolate Brown	Silt	Dry	Flat	40 C		No Tree Cover	Rock Cover	Poor	Sandy	Fine
1171783	7	542200	6992146	9/10/2011	Chocolate Brown	Clay	Damp	Flat	50 B		No Tree Cover	Reindeer Moss	Poor	Rocky Terrain	
1171784	7	542229	6992105	9/10/2011	Chocolate Brown	Silt	Damp	Flat	30 B		No Tree Cover	Reindeer Moss	Poor	Rocky	
1171785	7	542259	6992064	9/10/2011	Chocolate Brown	Sand	Damp	Flat	30 C		No Tree Cover	Reindeer Moss	Poor	Rocky Sample	
1171751	7	542289	6992024	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Rock Cover	Good	Fine	Rocky Terrain
1171752	7	542350	6991944	9/10/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		No Tree Cover	Rock Cover	Poor	Sandy	Fine
1202151	7	544804	6990181	9/10/2011	Chocolate Brown	Sand	Damp	Steep	30 B		Old Burn	Bare Soil	Poor	Rocky Terrain	Organic 50%
1202152	7	544791	6990132	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Old Burn	Thin Moss Cover	Good	Organic 10%	Rocky Sample
1202153	7	544778	6990083	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Old Burn	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1202154	7	544766	6990035	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Old Burn	Grass Cover	Poor	Organic 25%	Rocky Terrain
1202155	7	544753	6989987	9/10/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		Old Burn	Grass Cover	Poor	Organic 50%	Rocky Terrain
1202156	7	544742	6989938	9/10/2011	Dark Brown	Sand	Damp	Pronounced Slope	30 B		Old Burn	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky Terrain
1202157	7	544737	6989889	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	60 C		Old Burn	Grass Cover	Good	Rocky Terrain	Organic 10%
1202158	7	544730	6989839	9/10/2011	Dark Brown	Silt	Damp	Steep	50 B		Old Burn	Grass Cover	Poor	Rocky Terrain	Organic 50%
1202159	7	544728	6989789	9/10/2011	Chocolate Brown	Sand	Damp	Steep	40 B		Old Burn	Grass Cover	Poor	Organic 50%	Rocky Terrain
1202160	7	544725	6989739	9/10/2011	Dark Brown	Sand	Damp	Pronounced Slope	50 B		Old Burn	Thin Moss Cover	Poor	Organic 50%	Rocky
1202161	7	544723	6989693	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Old Burn	Grass Cover	Poor	Organic 50%	Rocky
1202162	7	544720	6989643	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Old Burn	Bare Soil	Poor	Organic 10%	Rocky
1202163	7	544717	6989592	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Old Burn	Grass Cover	Poor	Organic 10%	Rocky
1202164	7	544701	6989546	9/10/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		Old Burn	Grass Cover	Poor	Organic 50%	Rocky
1202165	7	544682	6989500	9/10/2011	Dark Brown	Sand	Damp	Subtle Slope	60 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Rocky
1202166	7	544664	6989453	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Old Burn	Grass Cover	Poor	Organic 25%	Rocky
1202167	7	544646	6989408	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Rocky Sample
1202168	7	544646	6989408	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Rocky Sample
1202169	7	544630	6989360	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Rocky Sample
1202170	7	544607	6989313	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	80 C		Old Burn	Grass Cover	Good	Rocky	
1202171	7	544585	6989269	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Old Burn	Grass Cover	Good	Rocky Sample	Rocky
1202172	7	544563	6989225	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Old Burn	Grass Cover	Good	Rocky Sample	Organic 10%
1202173	7	544540	6989179	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Rocky Sample
1202174	7	544514	6989135	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Rocky Sample	Rocky
1202175	7	544495	6989090	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Rocky Sample	Rocky
1202176	7	544472	6989046	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Rocky Sample	Rocky
1202177	7	544437	6989007	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Rocky Sample	Coarse
1202178	7	544406	6988968	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Excellent	Rusty Rock Chip	Quartz Chips
1202179	7	544372	6988932	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Coarse	Rocky
1202180	7	544338	6988897	9/10/2011	Dark Brown	Silt	Damp	Subtle Slope	60 B		Old Burn	Grass Cover	Poor	Organic 50%	Rocky
1202181	7	544305	6988858	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Leaf Cover	Good	Organic 10%	Rusty Rock Chip

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202182	7	544274	6988818	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Dull Red Rust
1204392	7	544233	6988786	9/10/2011	Dark Brown	Silt	Damp	Subtle Slope	50 C		Old Burn	Grass Cover	Good	Organic 10%	Rusty Rock Chip
1171701	7	542499	6991742	9/10/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 C		No Tree Cover	Reindeer Moss	Good	Talus	
1171702	7	542529	6991703	9/10/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Reindeer Moss	Good	Talus	
1171703	7	542558	6991663	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Subalpine Fir	Sphagnum Moss < 30cm	Good	Talus	
1171704	7	542589	6991622	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 B		Willows	Grass Cover	Good	Talus	
1171705	7	542618	6991583	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		No Tree Cover	Reindeer Moss	Good	Talus	
1171706	7	542648	6991542	9/10/2011	Dark Brown	Sand	Damp	Pronounced Slope	50 C		Subalpine Fir	Sphagnum Moss < 30cm	Good	Talus	
1171707	7	542679	6991503	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Reindeer Moss	Good	Talus	
1171708	7	542708	6991462	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	60 C		Dwarf Birch	Grass Cover	Excellent	Talus	
1171709	7	542738	6991422	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Good	Talus	
1171710	7	542797	6991342	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Talus	
1171711	7	542688	6991323	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		Dwarf Birch	Reindeer Moss	Good	Talus	
1171712	7	542659	6991362	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Good	Talus	
1171713	7	542629	6991402	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Willows	Grass Cover	Good	Talus	
1171714	7	542599	6991442	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Talus	
1171715	7	542568	6991483	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Talus	Rocky Sample
1171716	7	542509	6991564	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		Subalpine Fir	Grass Cover	Poor	Talus	
1171717	7	542478	6991603	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	30 B		Willows	Reindeer Moss	Poor	Talus	
1171718	7	542449	6991643	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		Subalpine Fir	Reindeer Moss	Good	Talus	
1171719	7	542419	6991683	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Talus	
1171720	7	542339	6991624	9/10/2011	Dark Grey Black	Sand	Dry	Pronounced Slope	30 B		Willows	Sphagnum Moss < 30cm	Poor	Organic 25%	Talus
1171721	7	542369	6991583	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	30 B		Willows	Sphagnum Moss < 30cm	Good	Talus	
1171722	7	542429	6991503	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		Willows	Grass Cover	Good	Talus	
1171723	7	542488	6991423	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		Subalpine Fir	Sphagnum Moss < 30cm	Good	Talus	
1171724	7	542407	6991364	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Willows	Grass Cover	Poor	Talus	
1171725	7	542348	6991443	9/10/2011	Dark Grey Black	Sand	Dry	Pronounced Slope	30 B		Willows	Rock Cover	Poor	Talus	
1171726	7	542319	6991484	9/10/2011	Dark Grey Black	Sand	Dry	Pronounced Slope	40 B		Willows	Grass Cover	Poor	Talus	
1171727	7	542287	6991523	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 C		Willows	Grass Cover	Good	Talus	
1171728	7	542258	6991564	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 C		Willows	Grass Cover	Good	Talus	
1171729	7	542228	6991603	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Willows	Grass Cover	Good	Rocky Terrain	
1171730	7	542198	6991644	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Dwarf Birch	Grass Cover	Good	Talus	
1171731	7	542169	6991684	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Talus	
1171916	7	541362	6992766	9/10/2011	Dark Brown	Silt	Dry	Steep	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky Terrain
1171917	7	541392	6992726	9/10/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 10%	Rocky
1171918	7	541421	6992685	9/10/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1171919	7	541511	6992565	9/10/2011	Dark Grey Black	Clay	Damp	Steep	40 A		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 50%	Top Layer
1171920	7	541542	6992526	9/10/2011	Dark Brown	Clay	Damp	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky Terrain
1171921	7	541601	6992445	9/10/2011	Dark Brown	Clay	Wet	Steep	50 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Sandy	Organic 10%
1171922	7	541632	6992405	9/10/2011	Chocolate Brown	Sand	Damp	Steep	40 B		No Tree Cover	Thin Moss Cover	Good	Clay	Organic 10%
1171923	7	541661	6992365	9/10/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Organic 10%	Rocky
1171924	7	541690	6992324	9/10/2011	Dark Brown	Clay	Dry	Pronounced Slope	40 B		No Tree Cover	Burnt Moss	Poor	Organic 10%	Rocky
1171925	7	541721	6992284	9/10/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Burnt Moss	Poor	Clay	Organic 25%
1171926	7	541751	6992244	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	30 B		No Tree Cover	Thin Moss Cover	Poor	Clay	Organic 10%
1171927	7	541780	6992204	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		No Tree Cover	Burnt Moss	Poor	Fine	Organic 10%
1171928	7	541811	6992163	9/10/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Organic 50%	Rocky
1171929	7	541841	6992124	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Dwarf Birch	Thin Moss Cover	Poor	Organic 10%	Rocky
1171930	7	541870	6992083	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Poor	Organic 10%	Rocky
1171931	7	541900	6992043	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Willows	Thin Moss Cover	Good	Rocky	
1171932	7	541930	6992003	9/10/2011	Dark Brown	Clay	Damp	Pronounced Slope	60 B		Willows	Sphagnum Moss < 30cm	Good	Sandy	Organic 10%
1171933	7	541960	6991963	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		No Tree Cover	Bare Soil	Good	Rocky	
1171934	7	541989	6991925	9/10/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		No Tree Cover	Grass Cover	Good	Sandy	Rocky Sample
1171901	7	542019	6991885	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	50 B		No Tree Cover	Grass Cover	Good	Coarse	Organic 10%
1171902	7	542050	6991844	9/10/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Burnt Moss	Poor	Sandy	Rocky
1171903	7	542079	6991804	9/10/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		No Tree Cover	Grass Cover	Poor	Coarse	Organic 10%
1171904	7	542109	6991765	9/10/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky
1171905	7	542138	6991724	9/10/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Good	Coarse	Rocky
1201197	7	545365	6989354	9/10/2011	Chocolate Brown	Clay	Damp	Flat	40 C		Old Burn	Bare Soil	Excellent	Clay	Rocky
1201198	7	545359	6989304	9/10/2011	Chocolate Brown	Clay	Damp	Flat	40 C		Old Burn	Thin Moss Cover	Excellent	Rocky	Fine
1202242	7	545350	6989255	9/10/2011	Dark Brown	Clay	Damp	Flat	70 C		Old Burn	Thin Moss Cover	Excellent	Fine	Rocky
1202243	7	545350	6989255	9/10/2011	Dark Brown	Clay	Damp	Flat	70 C		Old Burn	Thin Moss Cover	Excellent	Fine	Rocky
1202244	7	545343	6989205	9/10/2011	Chocolate Brown	Sand	Damp	Flat	50 C		Old Burn	Bare Soil	Excellent	Fine	Quartz Chips
1202245	7	545337	6989156	9/10/2011	Chocolate Brown	Clay	Damp	Flat	70 C		Old Burn	Bare Soil	Excellent	Rocky	Clay
1202246	7	545337	6989156	9/10/2011	Chocolate Brown	Clay	Damp	Flat	70 C		Old Burn	Bare Soil	Excellent	Rocky	Clay
1202247	7	545321	6989108	9/10/2011	Chocolate Brown	Sand	Damp	Flat	70 C		Buckbrush	Bare Soil	Excellent	Fine	Quartz Chips
1202248	7	545286	6989072	9/10/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40 C		Old Burn	Grass Cover	Good	Fine	Rocky
1202074	7	541805	6989013	9/10/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202451	7	541846	6988984	9/10/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202452	7	541889	6988959	9/10/2011	Dark Brown	Silt	Dry	Pronounced Slope	30 B		Black Spruce	Sphagnum Moss < 30cm	Poor	Organic 10%	Rocky Terrain
1202453	7	541930	6988931	9/10/2011	Dark Brown	Silt	Dry	Pronounced Slope	30 B		Alders	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1202454	7	541974	6988906	9/10/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		Alders	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202455	7	542015	6988878	9/10/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Alders	Leaf Cover	Good	Coarse	Rocky Terrain
1202456	7	542057	6988852	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202457	7	542100	6988828	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1202458	7	542146	6988807	9/10/2011	Grey	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	
1202459	7	542188	6988782	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 C		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	
1202460	7	542233	6988757	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202461	7	542278	6988735	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Alders	Leaf Cover	Good	Coarse	
1202462	7	542323	6988712	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202463	7	542366	6988687	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202464	7	542410	6988663	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Good	Coarse	
1202465	7	542453	6988638	9/10/2011	Light Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Thin Moss Cover	Good	Fine	
1202466	7	542497	6988614	9/10/2011	Light Brown	Silt	Dry	Subtle Slope	60 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202467	7	542541	6988590	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Dwarf Birch	Leaf Cover	Good	Fine	
1202468	7	542586	6988566	9/10/2011	Light Brown	Silt	Damp	Subtle Slope	70 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1202469	7	542631	6988542	9/10/2011	Chocolate Brown	Silt	Dry	Flat	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202470	7	542671	6988513	9/10/2011	Light Brown	Silt	Dry	Subtle Slope	70 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1202471	7	542700	6988473	9/10/2011	Chocolate Brown	Sand	Dry	Flat	40 C		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	
1202472	7	542730	6988433	9/10/2011	Light Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202473	7	542760	6988392	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Black Spruce	Thin Moss Cover	Good	Coarse	
1202474	7	542789	6988351	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Quartz Chips
1202475	7	542789	6988351	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Quartz Chips
1202476	7	542820	6988311	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1202477	7	542850	6988272	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Organic 10%
1202478	7	542883	6988236	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Black Spruce	Leaf Cover	Good	Coarse	
1202479	7	542913	6988196	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Leaf Cover	Good	Coarse	
1202480	7	542946	6988156	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Coarse	
1202481	7	542978	6988118	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Old Burn	Leaf Cover	Good	Coarse	
1202482	7	543971	6986939	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Birch Forest	Grass Cover	Good	Coarse	
1170501	7	541523	6992886	9/10/2011	Dark Blue Black	Silt	Damp	Steep	70 B		Dwarf Birch	Sphagnum Moss > 30cm	Good	Coarse	Rocky Terrain
1170502	7	541552	6992847	9/10/2011	Dark Blue Black	Silt	Damp	Steep	70 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1170503	7	541582	6992806	9/10/2011	Dark Blue Black	Silt	Damp	Steep	40 A		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 10%
1170504	7	541612	6992765	9/10/2011	Dark Blue Black	Silt	Damp	Steep	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1170505	7	541642	6992726	9/10/2011	Dark Blue Black	Silt	Dry	Steep	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1170506	7	541672	6992685	9/10/2011	Dark Blue Black	Silt	Damp	Steep	60 B		No Tree Cover	Reindeer Moss	Good	Coarse	Rocky Terrain
1170507	7	541702	6992646	9/10/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1170508	7	541732	6992605	9/10/2011	Dark Blue Black	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1170509	7	541761	6992565	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1170510	7	541791	6992526	9/10/2011	Dark Brown	Silt	Dry	Steep	80 B		No Tree Cover	Reindeer Moss	Good	Rocky Sample	Rocky Terrain
1170511	7	541821	6992486	9/10/2011	Dark Blue Black	Silt	Damp	Steep	40 A		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1170512	7	541851	6992445	9/10/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Reindeer Moss	Good	Rocky Sample	Rocky Terrain
1170513	7	541882	6992405	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		No Tree Cover	Reindeer Moss	Good	Coarse	Rocky Terrain
1170514	7	541912	6992365	9/10/2011	Dark Blue Black	Silt	Dry	Subtle Slope	30 B		Dwarf Birch	Grass Cover	Poor	Coarse	Rocky Terrain
1170515	7	541941	6992324	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		No Tree Cover	Grass Cover	Good	Coarse	Rocky Terrain
1170516	7	541971	6992284	9/10/2011	Dark Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1170517	7	542002	6992244	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1170518	7	542031	6992204	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	80 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1170519	7	542061	6992164	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1170520	7	542091	6992125	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1170521	7	542119	6992085	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1170522	7	542150	6992044	9/10/2011	Dark Brown	Silt	Damp	Subtle Slope	30 B		Dwarf Birch	Reindeer Moss	Good	Coarse	Rocky Terrain
1170523	7	542180	6992005	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1170524	7	542210	6991964	9/10/2011	Dark Brown	Silt	Damp	Subtle Slope	50 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1170525	7	542240	6991924	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Sample
1170526	7	542269	6991884	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		No Tree Cover	Grass Cover	Poor	Fine	Rocky Terrain
1170527	7	542299	6991843	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1170528	7	542329	6991803	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Rocky Sample	Rocky Terrain
1170529	7	542359	6991763	9/10/2011	Dark Brown	Silt	Dry	Subtle Slope	40 B		White Spruce	Reindeer Moss	Good	Coarse	Rocky Terrain
1170530	7	542388	6991723	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		White Spruce	Reindeer Moss	Good	Coarse	Rocky Terrain
1170531	7	542469	6991783	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		White Spruce	Reindeer Moss	Good	Coarse	Rocky Terrain
1170532	7	542438	6991823	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		No Tree Cover	Reindeer Moss	Good	Coarse	Rocky Terrain
1170533	7	542409	6991864	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Reindeer Moss	Good	Coarse	Rocky Terrain
1170534	7	542380	6991903	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		No Tree Cover	Reindeer Moss	Good	Coarse	Rocky Terrain
1171951	7	541442	6992826	9/10/2011	Grey	Sand	Damp	Steep	50 B		Subalpine Fir	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Rocky Sample
1171952	7	541472	6992787	9/10/2011	Chocolate Brown	Silt	Damp	Steep	40 B		Subalpine Fir	Sphagnum Moss < 30cm	Good	Rocky Terrain	Organic 10%
1171953	7	541501	6992747	9/10/2011	Chocolate Brown	Silt	Damp	Steep	50 B		Subalpine Fir	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Rocky
1171954	7	541532	6992707	9/10/2011	Chocolate Brown	Silt	Damp	Steep	50 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1171955	7	541562	6992667	9/10/2011	Chocolate Brown	Silt	Damp	Steep	40 B		Subalpine Fir	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 10%
1171956	7	541591	6992626	9/10/2011	Dark Grey Black	Silt	Damp	Steep	30 B		Subalpine Fir	Sphagnum Moss < 30cm	Poor	Rusty Rock Chip	Fine
1171957	7	541622	6992586	9/10/2011	Grey	Silt	Damp	Steep	50 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky Terrain	
1171958	7	541651	6992546	9/10/2011	Grey	Silt	Wet	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky	Rocky Terrain
1171959	7	541681	6992506	9/10/2011	Dark Grey Black	Silt	Wet	Steep	40 B		No Tree Cover	Reindeer Moss	Poor	Rocky Terrain	Small Sample

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1171960	7	541711	6992466	9/10/2011	Dark Grey Black	Silt	Wet	Steep	40 B		No Tree Cover	Reindeer Moss	Poor	Rocky	Fine
1171961	7	541741	6992426	9/10/2011	Grey	Sand	Damp	Steep	30 B		Old Burn	Sphagnum Moss < 30cm	Poor	Rocky	Fine
1171962	7	541771	6992386	9/10/2011	Chocolate Brown	Clay	Damp	Subtle Slope	60 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rusty Rock Chip	Rocky Terrain
1171963	7	541800	6992345	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		No Tree Cover	Reindeer Moss	Good	Fine	Rocky
1171964	7	541830	6992305	9/10/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Willows	Bare Soil	Good	Fine	Rocky Terrain
1171965	7	541861	6992265	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	30 B		Willows	Bare Soil	Poor	Organic 10%	Rocky Terrain
1171966	7	541891	6992224	9/10/2011	Chocolate Brown	Silt	Wet	Pronounced Slope	50 B		Willows	Bare Soil	Good	Fine	Rocky
1171967	7	541920	6992185	9/10/2011	Dark Grey Black	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Good	Fine	Rocky
1171968	7	541951	6992144	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		Dwarf Birch	Grass Cover	Poor	Fine	
1171969	7	541980	6992105	9/10/2011	Grey	Silt	Dry	Pronounced Slope	40 B		Willows	Grass Cover	Good	Coarse	
1171970	7	542010	6992066	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Willows	Bare Soil	Good	Fine	
1171971	7	542040	6992025	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		No Tree Cover	Grass Cover	Good	Coarse	
1171972	7	542070	6991985	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Willows	Bare Soil	Good	Coarse	
1171973	7	542100	6991945	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		Willows	Grass Cover	Good	Fine	Rocky
1171974	7	542129	6991905	9/10/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		No Tree Cover	Bare Soil	Good	Fine	Rocky
1171975	7	542160	6991865	9/10/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		No Tree Cover	Bare Soil	Good	Coarse	Rocky
1171976	7	542189	6991824	9/10/2011	Grey	Silt	Damp	Pronounced Slope	70 B		Willows	Grass Cover	Good	Coarse	Rocky
1171977	7	542219	6991784	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	60 B		Willows	Bare Soil	Good	Coarse	Rocky
1171978	7	542219	6991784	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	60 B		Willows	Bare Soil	Good	Coarse	Rocky
1171979	7	542249	6991744	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	30 B		Willows	Bare Soil	Poor	Fine	Organic 10%
1171980	7	542278	6991705	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Willows	Bare Soil	Good	Fine	Rocky Terrain
1171981	7	542308	6991662	9/10/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		Willows	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202251	7	543012	6988073	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Old Burn	Thin Moss Cover	Good	Coarse	Rusty Rock Chip
1202252	7	543041	6988032	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 B		Old Burn	Thin Moss Cover	Good	Coarse	Sandy
1202253	7	543068	6987990	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Old Burn	Thin Moss Cover	Good	Coarse	Rocky Terrain
1202254	7	543097	6987949	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Old Burn	Thin Moss Cover	Good	Coarse	Rocky Terrain
1202255	7	543128	6987911	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20 B		Birch Forest	Thin Moss Cover	Good	Coarse	Rocky Terrain
1202256	7	543169	6987882	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20 B		Old Burn	Thin Moss Cover	Poor	Fine	Rocky Terrain
1202257	7	543211	6987853	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20 B		Birch Forest	Thin Moss Cover	Poor	Fine	Rocky Terrain
1202258	7	543253	6987825	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Old Burn	Thin Moss Cover	Good	Fine	Rocky Terrain
1202259	7	543296	6987799	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20 B		Old Burn	Thin Moss Cover	Good	Coarse	Rocky Terrain
1202260	7	543338	6987772	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20 B		Old Burn	Thin Moss Cover	Good	Fine	Rocky Terrain
1202261	7	543386	6987757	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Old Burn	Thin Moss Cover	Poor	Rusty Rock Chip	Rocky Terrain
1202262	7	543432	6987736	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Old Burn	Thin Moss Cover	Good	Fine	Rocky Terrain
1204200	7	543478	6987716	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	20 B		Old Burn	Thin Moss Cover	Good	Fine	Rocky Terrain
1202263	7	543525	6987697	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	20 B		Old Burn	Thin Moss Cover	Poor	Fine	Rocky Terrain
1202264	7	543571	6987678	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Old Burn	Thin Moss Cover	Good	Coarse	Rocky Terrain
1202265	7	543609	6987647	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Alders	Thin Moss Cover	Good	Coarse	Rocky Terrain
1202266	7	543641	6987609	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Old Burn	Thin Moss Cover	Good	Rocky Terrain	Rusty Rock Chip
1202267	7	543675	6987573	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Old Burn	Thin Moss Cover	Good	Coarse	Rocky Terrain
1202268	7	543706	6987532	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Old Burn	Thin Moss Cover	Good	Rocky Terrain	Coarse
1202269	7	543723	6987485	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Old Burn	Thin Moss Cover	Good	Fine	Rocky Terrain
1202270	7	543739	6987437	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Old Burn	Thin Moss Cover	Good	Coarse	Rocky Terrain
1202271	7	543748	6987387	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 B		Old Burn	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202272	7	543765	6987339	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Old Burn	Leaf Cover	Good	Fine	Rocky Terrain
1202273	7	543789	6987296	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Old Burn	Leaf Cover	Poor	Fine	Rocky Terrain
1202274	7	543811	6987251	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Poplar	Leaf Cover	Good	Fine	Rocky Terrain
1202275	7	543829	6987204	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20 B		Poplar	Leaf Cover	Good	Fine	Rocky Terrain
1202276	7	543851	6987159	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Old Burn	Grass Cover	Good	Fine	Rocky Terrain
1202277	7	543874	6987115	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Poplar	Leaf Cover	Good	Fine	Rocky Terrain
1202278	7	543897	6987071	9/10/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Old Burn	Grass Cover	Good	Fine	Rocky Terrain
1202279	7	543919	6987027	9/10/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Old Burn	Grass Cover	Good	Fine	Rocky Terrain
1202280	7	543942	6986983	9/10/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Poplar	Grass Cover	Poor	Organic 10%	Rocky Terrain
1166452	7	540472	6992789	9/11/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 A		Alders	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1166453	7	540499	6992750	9/11/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 A		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1166454	7	540530	6992711	9/11/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 A		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1166455	7	540562	6992668	9/11/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 A		Willows	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 50%
1166456	7	540592	6992629	9/11/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 A		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 50%
1166457	7	540621	6992589	9/11/2011	Dark Brown	Silt	Dry	Subtle Slope	40 A		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 50%
1166458	7	540650	6992551	9/11/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 A		Willows	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky Terrain
1166459	7	540681	6992509	9/11/2011	Reddish Brown	Silt	Damp	Pronounced Slope	50 B		Black Spruce	Sphagnum Moss > 30cm	Good	Fine	Rocky Terrain
1166460	7	540710	6992469	9/11/2011	Dark Brown	Silt	Dry	Steep	20 A		No Tree Cover	Grass Cover	Poor	Organic 50%	Rocky Terrain
1166461	7	540740	6992429	9/11/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 B		Willows	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1166462	7	540771	6992389	9/11/2011	Dark Brown	Silt	Dry	Pronounced Slope	20 B		Willows	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1166463	7	540801	6992349	9/11/2011	Dark Brown	Silt	Damp	Pronounced Slope	20 A		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1166464	7	540830	6992309	9/11/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		Willows	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1166465	7	540860	6992269	9/11/2011	Dark Brown	Silt	Damp	Pronounced Slope	50 B		Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1166466	7	540889	6992228	9/11/2011	Dark Brown	Silt	Damp	Subtle Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1166467	7	540920	6992188	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1166468	7	540841	6992128	9/11/2011	Chocolate Brown	Clay	Damp	Flat	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Clay
1166469	7	540811	6992167	9/11/2011	Dark Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1166470	7	540781	6992207	9/11/2011	Dark Brown	Silt	Damp	Steep	30 A		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky Terrain
1166471	7	540750	6992248	9/11/2011	Dark Brown	Clay	Damp	Steep	40 B		Willows	Sphagnum Moss < 30cm	Good	Fine	Clay
1166472	7	540721	6992287	9/11/2011	Chocolate Brown	Silt	Damp	Steep	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Clay
1166473	7	540691	6992328	9/11/2011	Dark Brown	Silt	Damp	Steep	30 A		Willows	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky Terrain
1166474	7	540661	6992368	9/11/2011	Dark Brown	Silt	Damp	Steep	20 A		Willows	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky Terrain
1166475	7	540631	6992408	9/11/2011	Dark Brown	Silt	Damp	Steep	30 A		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1166476	7	540601	6992448	9/11/2011	Dark Brown	Silt	Damp	Steep	30 A		Willows	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1166477	7	540572	6992488	9/11/2011	Dark Brown	Silt	Damp	Pronounced Slope	20 A		No Tree Cover	Thin Moss Cover	Poor	Organic 25%	Rocky Terrain
1166478	7	540542	6992528	9/11/2011	Dark Brown	Silt	Damp	Pronounced Slope	30 A		Alders	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1166479	7	540482	6992609	9/11/2011	Dark Brown	Silt	Damp	Steep	20 A		Dwarf Birch	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky Terrain
1171651	7	541281	6992707	9/11/2011	Chocolate Brown	Sand	Damp	Steep	40 C		No Tree Cover	Rock Cover	Excellent	Fine	Rocky Terrain
1171652	7	541311	6992666	9/11/2011	Chocolate Brown	Sand	Damp	Steep	40 C		No Tree Cover	Rock Cover	Excellent	Fine	Rocky Terrain
1171653	7	541342	6992625	9/11/2011	Chocolate Brown	Sand	Damp	Steep	30 C		No Tree Cover	Reindeer Moss	Good	Fine	Rocky Terrain
1171654	7	541371	6992586	9/11/2011	Dark Brown	Sand	Damp	Steep	30 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1171655	7	541402	6992546	9/11/2011	Chocolate Brown	Sand	Damp	Steep	40 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1171656	7	541431	6992506	9/11/2011	Chocolate Brown	Sand	Damp	Steep	40 C		No Tree Cover	Sphagnum Moss < 30cm	Excellent	Fine	Rocky Terrain
1171657	7	541431	6992506	9/11/2011	Chocolate Brown	Sand	Damp	Steep	30 C		No Tree Cover	Sphagnum Moss < 30cm	Excellent	Fine	Rocky Terrain
1171658	7	541461	6992465	9/11/2011	Chocolate Brown	Sand	Damp	Steep	30 C		No Tree Cover	Reindeer Moss	Good	Fine	Rocky Terrain
1171659	7	541491	6992426	9/11/2011	Dark Brown	Silt	Damp	Steep	30 B		No Tree Cover	Reindeer Moss	Poor	Sandy	Fine
1171660	7	541522	6992385	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Fine	Rocky
1171661	7	541551	6992345	9/11/2011	Chocolate Brown	Sand	Damp	Steep	20 C		Dwarf Birch	Grass Cover	Good	Fine	Rocky Terrain
1171662	7	541580	6992305	9/11/2011	Chocolate Brown	Sand	Damp	Steep	40 C		Birch Forest	Grass Cover	Poor	Fine	
1171663	7	541611	6992265	9/11/2011	Chocolate Brown	Sand	Damp	Steep	60 C		Dwarf Birch	Grass Cover	Good	Fine	Rocky
1171664	7	541641	6992226	9/11/2011	Chocolate Brown	Sand	Damp	Steep	40 C		Dwarf Birch	Grass Cover	Good	Fine	
1171665	7	541671	6992185	9/11/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Good	Fine	Rocky
1171666	7	541700	6992145	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1171667	7	541700	6992145	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1171668	7	541731	6992105	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Good	Rocky	Small Sample
1171669	7	541761	6992065	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 C		Dwarf Birch	Grass Cover	Good	Fine	Rocky Sample
1171670	7	541791	6992024	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 C		Dwarf Birch	Grass Cover	Good	Rocky	Coarse
1171753	7	541821	6991985	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Good	Fine	Rocky Terrain
1171754	7	541849	6991945	9/11/2011	Dark Brown	Sand	Wet	Subtle Slope	40 C		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Coarse	Clay
1171755	7	541879	6991906	9/11/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Dwarf Birch	Sphagnum Moss < 30cm	Excellent	Fine	
1171756	7	541910	6991866	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Good	Fine	
1171757	7	541939	6991825	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Excellent	Fine	Rocky
1171758	7	541969	6991784	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Excellent	Fine	
1171759	7	541998	6991744	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Grass Cover	Good	Fine	Rocky
1171760	7	542029	6991705	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1171761	7	542059	6991666	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Grass Cover	Poor	Fine	
1171762	7	542089	6991625	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1171763	7	542119	6991584	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Dwarf Birch	Grass Cover	Poor	Sandy	Fine
1171764	7	542148	6991544	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Rock Cover	Excellent	Coarse	Rocky Terrain
1171765	7	542177	6991504	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1202301	7	545252	6989037	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Old Burn	Thin Moss Cover	Poor	Rocky Sample	Organic 10%
1202302	7	545217	6989002	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Grass Cover	Good	Organic 10%	Rocky
1202303	7	545182	6988967	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Organic 10%	Rocky Sample
1202304	7	545149	6988930	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Leaf Cover	Good	Rocky Sample	Rocky
1202305	7	545114	6988894	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Thin Moss Cover	Good	Rocky Sample	Rocky
1202306	7	545076	6988862	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Bare Soil	Good	Rusty Rock Chip	Rocky Sample
1202307	7	545035	6988833	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		White Spruce	Grass Cover	Excellent	Rusty Rock Chip	Rocky Sample
1202308	7	544995	6988802	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		White Spruce	Grass Cover	Good	Rusty Rock Chip	Rocky Sample
1202309	7	544955	6988773	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		White Spruce	Grass Cover	Good	Rocky Sample	
1202310	7	544915	6988743	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Quartz Chips
1202311	7	544874	6988714	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Old Burn	Grass Cover	Good	Quartz Chips	Dull Red Rust
1202312	7	544874	6988714	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Old Burn	Grass Cover	Good	Quartz Chips	Dull Red Rust
1202313	7	544833	6988685	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Rocky Sample
1202314	7	544791	6988660	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Grass Cover	Good	Organic 10%	Rusty Rock Chip
1202315	7	544749	6988633	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Organic 10%
1202316	7	544707	6988606	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Bare Soil	Good	Bright Orange Rust	Rusty Rock Chip
1202317	7	544664	6988580	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Excellent	Rusty Rock Chip	Bright Orange Rust
1202318	7	544620	6988555	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Rocky Sample
1202319	7	544580	6988526	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Bright Orange Rust	Rusty Rock Chip
1202320	7	544551	6988484	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Bright Orange Rust	Rusty Rock Chip
1202321	7	544542	6988434	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Bare Soil	Good	Rocky	Quartz Chips
1202322	7	544531	6988386	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Grass Cover	Excellent	Rusty Rock Chip	Dull Red Rust
1202323	7	544520	6988337	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Old Burn	Bare Soil	Excellent	Rusty Rock Chip	Rocky Sample
1202324	7	544520	6988337	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Bare Soil	Excellent	Rusty Rock Chip	Rocky Sample
1202325	7	544516	6988289	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Leaf Cover	Good	Rusty Rock Chip	Rocky Sample
1202326	7	544503	6988239	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Old Burn	Grass Cover	Good	Rusty Rock Chip	Rocky
1202327	7	544493	6988190	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 C		Old Burn	Grass Cover	Good	Bright Orange Rust	Organic 10%
1171732	7	540848	6992953	9/11/2011	Dark Grey Black	Sand	Damp	Steep	40 B		Willows	Sphagnum Moss < 30cm	Poor	Partially Frozen	Talus

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1171733	7	540912	6992868	9/11/2011	Dark Grey Black	Sand	Damp	Steep	30 B		No Tree Cover	Rock Cover	Poor	Talus	
1171734	7	540942	6992829	9/11/2011	Dark Grey Black	Sand	Damp	Steep	30 B		No Tree Cover	Reindeer Moss	Poor	Rocky	Talus
1171735	7	540972	6992786	9/11/2011	Chocolate Brown	Sand	Damp	Steep	40 B		Willows	Sphagnum Moss < 30cm	Poor	Talus	
1171736	7	541002	6992749	9/11/2011	Chocolate Brown	Sand	Damp	Steep	40 B		Willows	Sphagnum Moss < 30cm	Good	Clay	Rocky Terrain
1171737	7	541031	6992707	9/11/2011	Dark Grey Black	Sand	Damp	Steep	40 B		Willows	Sphagnum Moss < 30cm	Poor	Talus	
1171738	7	541061	6992668	9/11/2011	Dark Grey Black	Sand	Damp	Steep	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Talus	
1171739	7	541091	6992628	9/11/2011	Dark Grey Black	Sand	Damp	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Talus	
1171740	7	541121	6992588	9/11/2011	Dark Grey Black	Sand	Damp	Steep	70 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Talus	
1171741	7	541121	6992588	9/11/2011	Dark Blue Black	Sand	Damp	Steep	70 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Talus	
1171742	7	541209	6992465	9/11/2011	Dark Grey Black	Sand	Dry	Steep	30 A		No Tree Cover	Sphagnum Moss < 30cm	Poor	Talus	
1171743	7	541241	6992427	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Talus	
1171744	7	541162	6992367	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Subalpine Fir	Sphagnum Moss < 30cm	Good	Rocky Terrain	
1171745	7	541132	6992407	9/11/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky Terrain	
1171746	7	541101	6992448	9/11/2011	Dark Grey Black	Sand	Dry	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Talus	
1171747	7	541010	6992566	9/11/2011	Chocolate Brown	Sand	Damp	Steep	50 B		Willows	Sphagnum Moss < 30cm	Good	Talus	Rocky Sample
1171748	7	540980	6992607	9/11/2011	Dark Grey Black	Sand	Damp	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Talus	
1171749	7	540952	6992648	9/11/2011	Dark Grey Black	Sand	Damp	Steep	50 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Talus	
1171750	7	540921	6992688	9/11/2011	Dark Grey Black	Sand	Damp	Steep	40 A		No Tree Cover	Sphagnum Moss < 30cm	Poor	Talus	
1170001	7	540892	6992728	9/11/2011	Dark Brown	Sand	Damp	Steep	50 C		No Tree Cover	Sphagnum Moss < 30cm	Good	Talus	
1170002	7	540862	6992767	9/11/2011	Dark Brown	Sand	Damp	Steep	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Talus	
1170003	7	540832	6992808	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Subalpine Fir	Sphagnum Moss < 30cm	Poor	Talus	
1170004	7	540801	6992847	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 B		Subalpine Fir	Sphagnum Moss < 30cm	Good	Talus	
1170005	7	540773	6992889	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky Terrain	
1170006	7	540742	6992929	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky Terrain	
1170007	7	540711	6992969	9/11/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky Terrain	
1171619	7	540553	6992849	9/11/2011	Dark Brown	Silt	Dry	Steep	40 B		Alder	Sphagnum Moss < 30cm	Poor	Sandy	Organic 25%
1171620	7	540582	6992810	9/11/2011	Dark Grey Black	Clay	Damp	Steep	50 B		Alder	Sphagnum Moss < 30cm	Poor	Sandy	Organic 25%
1171621	7	540611	6992770	9/11/2011	Chocolate Brown	Clay	Damp	Steep	40 B		Alder	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky
1171622	7	540642	6992730	9/11/2011	Dark Brown	Clay	Dry	Steep	30 B		Alder	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky
1171623	7	540701	6992649	9/11/2011	Chocolate Brown	Clay	Damp	Steep	60 B		Alder	Sphagnum Moss < 30cm	Poor	Rocky	Organic 25%
1171624	7	540731	6992609	9/11/2011	Chocolate Brown	Clay	Damp	Steep	40 B		Alder	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky
1171625	7	540761	6992569	9/11/2011	Chocolate Brown	Clay	Damp	Steep	50 B		Alder	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky
1171626	7	540790	6992529	9/11/2011	Dark Brown	Silt	Dry	Steep	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Clay	Organic 50%
1171627	7	540820	6992488	9/11/2011	Dark Brown	Silt	Dry	Steep	40 B		Dwarf Birch	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1171906	7	540851	6992448	9/11/2011	Chocolate Brown	Clay	Damp	Steep	40 B		Willows	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1171907	7	540910	6992368	9/11/2011	Chocolate Brown	Clay	Damp	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 10%	Talus
1171908	7	540941	6992328	9/11/2011	Dark Brown	Silt	Dry	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Clay	Organic 50%
1171909	7	540970	6992288	9/11/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 C		No Tree Cover	Thin Moss Cover	Poor	Clay	Organic 10%
1171910	7	541001	6992247	9/11/2011	Chocolate Brown	Clay	Damp	Subtle Slope	30 B		No Tree Cover	Thin Moss Cover	Poor	Organic 10%	Rocky
1171911	7	541081	6992307	9/11/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Grass Cover	Poor	Organic 10%	Rocky
1171912	7	541051	6992347	9/11/2011	Chocolate Brown	Clay	Damp	Subtle Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Organic 10%	Rocky
1171913	7	541021	6992387	9/11/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Poor	Organic 10%	Rocky
1171914	7	540991	6992427	9/11/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Clay	Organic 25%
1171915	7	540961	6992467	9/11/2011	Dark Brown	Silt	Damp	Steep	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1171601	7	540901	6992547	9/11/2011	Dark Brown	Silt	Dry	Steep	30 B		No Tree Cover	Thin Moss Cover	Poor	Organic 50%	Top Layer
1171602	7	540871	6992588	9/11/2011	Chocolate Brown	Silt	Dry	Steep	30 B		No Tree Cover	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1171603	7	540841	6992628	9/11/2011	Dark Brown	Clay	Damp	Steep	40 B		Alder	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1171604	7	540812	6992668	9/11/2011	Dark Brown	Silt	Dry	Steep	30 B		Alder	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1171605	7	540782	6992708	9/11/2011	Chocolate Brown	Silt	Dry	Steep	30 B		Alder	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1171606	7	540722	6992789	9/11/2011	Dark Brown	Silt	Dry	Steep	40 B		Alder	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky
1171607	7	540692	6992828	9/11/2011	Chocolate Brown	Silt	Damp	Steep	40 B		Alder	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1171608	7	540662	6992869	9/11/2011	Dark Brown	Silt	Dry	Pronounced Slope	30 B		Dwarf Birch	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky Terrain
1171609	7	540632	6992909	9/11/2011	Dark Brown	Clay	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky
1202483	7	540260	6992571	9/11/2011					0						
1202484	7	540351	6992451	9/11/2011					0						
1202485	7	540380	6992410	9/11/2011					0						
1202486	7	540409	6992369	9/11/2011					0						
1202487	7	540440	6992329	9/11/2011					0						
1202488	7	540469	6992290	9/11/2011					0						
1202489	7	540500	6992249	9/11/2011					0						
1202490	7	540527	6992205	9/11/2011					0						
1204124	7	540562	6992170	9/11/2011					0						
1204125	7	540617	6992087	9/11/2011					0						
1202351	7	540649	6992047	9/11/2011					0						
1202352	7	540680	6992008	9/11/2011					0						
1202353	7	540760	6992068	9/11/2011					0						
1202355	7	540731	6992108	9/11/2011					0						
1202354	7	540700	6992147	9/11/2011					0						
1202356	7	540670	6992187	9/11/2011					0						
1202357	7	540641	6992227	9/11/2011					0						
1202358	7	540611	6992268	9/11/2011					0						

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202359	7	540580	6992309	9/11/2011					0						
1202360	7	540553	6992348	9/11/2011					0						
1202361	7	540522	6992389	9/11/2011					0						
1202362	7	540492	6992429	9/11/2011					0						
1202363	7	540461	6992468	9/11/2011					0						
1202364	7	540432	6992509	9/11/2011					0						
1202365	7	540402	6992550	9/11/2011					0						
1202366	7	540373	6992588	9/11/2011					0						
1202367	7	540342	6992629	9/11/2011					0						
1172501	7	541202	6992647	9/11/2011	Dark Brown	Silt	Damp	Steep	50 A		Dwarf Birch	Sphagnum Moss > 30cm	Poor	Organic 10%	Rocky Terrain
1172502	7	541232	6992607	9/11/2011	Dark Brown	Silt	Damp	Steep	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1172503	7	541261	6992567	9/11/2011	Dark Brown	Silt	Damp	Steep	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1172504	7	541292	6992527	9/11/2011	Dark Brown	Silt	Damp	Steep	30 A		No Tree Cover	Reindeer Moss	Poor	Organic 10%	Rocky Terrain
1172505	7	541321	6992486	9/11/2011	Dark Blue Black	Silt	Damp	Steep	40 B		White Spruce	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1172506	7	541351	6992447	9/11/2011	Chocolate Brown	Silt	Damp	Steep	40 B		No Tree Cover	Reindeer Moss	Good	Coarse	Rocky Terrain
1172507	7	541381	6992406	9/11/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		No Tree Cover	Reindeer Moss	Good	Coarse	Rocky Terrain
1172508	7	541410	6992367	9/11/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	70 B		Dwarf Birch	Reindeer Moss	Good	Coarse	Rocky Terrain
1172509	7	541441	6992326	9/11/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1172510	7	541471	6992285	9/11/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1172511	7	541501	6992246	9/11/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	60 B		Dwarf Birch	Bare Soil	Good	Coarse	
1172512	7	541531	6992205	9/11/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Poor	Organic 10%	Rocky Terrain
1172513	7	541561	6992166	9/11/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1172514	7	541592	6992124	9/11/2011	Dark Brown	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Bare Soil	Good	Coarse	Rocky Terrain
1172515	7	541620	6992084	9/11/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	70 B		Dwarf Birch	Bare Soil	Good	Coarse	Rocky
1172516	7	541651	6992044	9/11/2011	Dark Blue Black	Silt	Damp	Pronounced Slope	60 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1172517	7	541682	6992004	9/11/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Bare Soil	Poor	Fine	Rocky Terrain
1172518	7	541710	6991964	9/11/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1172519	7	541741	6991924	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1172520	7	541769	6991886	9/11/2011	Chocolate Brown	Sand	Wet	Subtle Slope	70 C		Dwarf Birch	Grass Cover	Excellent	Coarse	Rocky Sample
1172521	7	541799	6991846	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1172522	7	541829	6991805	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Sample
1172523	7	541859	6991765	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1172524	7	541889	6991726	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1172525	7	541919	6991685	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	80 B		Dwarf Birch	Grass Cover	Good	Coarse	
1172526	7	541919	6991685	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	80 B		Dwarf Birch	Grass Cover	Good	Coarse	
1172527	7	541949	6991644	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1172528	7	541978	6991605	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1172529	7	542008	6991565	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1172530	7	542039	6991525	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Leaf Cover	Good	Coarse	Rocky Terrain
1172531	7	542068	6991485	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1172532	7	542098	6991444	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky
1172533	7	542079	6991304	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1172534	7	542018	6991384	9/11/2011	Dark Blue Black	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Thin Moss Cover	Poor	Fine	Rocky Terrain
1172535	7	541959	6991463	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1172536	7	541898	6991545	9/11/2011	Light Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Thin Moss Cover	Poor	Fine	Rocky Terrain
1172537	7	541838	6991625	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1172538	7	541779	6991705	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1170551	7	541538	6991526	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Fine	
1170552	7	541568	6991487	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Dwarf Birch	Bare Soil	Good	Fine	Rocky
1170553	7	541598	6991445	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Willows	Sphagnum Moss < 30cm	Good	Rocky	
1170554	7	541628	6991405	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Dwarf Birch	Bare Soil	Poor	Fine	
1170555	7	541658	6991366	9/11/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		Dwarf Birch	Bare Soil	Good	Coarse	Rocky
1170556	7	541688	6991325	9/11/2011	Grey	Silt	Damp	Pronounced Slope	40 B		Willows	Bare Soil	Good	Coarse	Rocky
1170557	7	541718	6991284	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Willows	Sphagnum Moss < 30cm	Good	Coarse	
1170558	7	541747	6991245	9/11/2011	Bluish Grey	Clay	Damp	Subtle Slope	40 B		Willows	Bare Soil	Poor	Fine	
1170559	7	541778	6991205	9/11/2011	Grey	Clay	Damp	Subtle Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Poor	Fine	
1170560	7	541808	6991164	9/11/2011	Grey	Clay	Damp	Subtle Slope	50 B		Black Spruce	Grass Cover	Poor	Fine	Organic 10%
1170561	7	541837	6991125	9/11/2011	Grey	Silt	Damp	Subtle Slope	60 B		Black Spruce	Sphagnum Moss > 30cm	Poor	Fine	Organic 10%
1170562	7	541918	6991184	9/11/2011	Grey	Silt	Damp	Subtle Slope	80 B		Dwarf Birch	Grass Cover	Poor	Fine	
1170563	7	541888	6991224	9/11/2011	Grey	Silt	Damp	Pronounced Slope	50 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1170564	7	541858	6991264	9/11/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		Dwarf Birch	Grass Cover	Poor	Organic 10%	
1170565	7	541827	6991305	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Willows	Bare Soil	Good	Fine	Rocky
1170566	7	541798	6991344	9/11/2011	Grey	Silt	Damp	Subtle Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Organic 10%
1170567	7	541767	6991385	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1170568	7	541737	6991425	9/11/2011	Grey	Silt	Damp	Subtle Slope	40 B		Willows	Leaf Cover	Poor	Fine	
1170569	7	541708	6991466	9/11/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	60 C		Willows	Bare Soil	Good	Coarse	Rocky
1170570	7	541678	6991505	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Dwarf Birch	Bare Soil	Good	Fine	
1170571	7	541648	6991546	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Fine	Rocky
1170572	7	541619	6991585	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	
1170573	7	541699	6991645	9/11/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Bare Soil	Good	Fine	
1170574	7	541728	6991606	9/11/2011	Grey	Silt	Damp	Subtle Slope	40 B		Willows	Sphagnum Moss < 30cm	Poor	Fine	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1170575	7	541758	6991565	9/11/2011	Chocolate Brown	Sand	Wet	Subtle Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1170576	7	541789	6991525	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Willows	Grass Cover	Good	Organic 10%	
1170577	7	541817	6991485	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Willows	Bare Soil	Good	Fine	Rocky Sample
1170578	7	541848	6991446	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 B		Dwarf Birch	Grass Cover	Poor	Fine	
1170579	7	541878	6991405	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Willows	Bare Soil	Good	Coarse	
1170580	7	541908	6991365	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Willows	Bare Soil	Poor	Fine	
1170581	7	541938	6991324	9/11/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Willows	Bare Soil	Good	Fine	Rocky
1170582	7	541967	6991283	9/11/2011	Grey	Sand	Damp	Pronounced Slope	50 C		Dwarf Birch	Grass Cover	Excellent	Coarse	Rocky
1170583	7	541997	6991244	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1170584	7	542048	6991344	9/11/2011	Grey	Silt	Damp	Subtle Slope	50 B		Dwarf Birch	Bare Soil	Good	Coarse	Rocky
1170585	7	541987	6991424	9/11/2011	Dark Grey Black	Silt	Damp	Subtle Slope	30 B		Willows	Bare Soil	Poor	Fine	Rocky Terrain
1170586	7	541928	6991504	9/11/2011	Dark Grey Black	Silt	Damp	Subtle Slope	40 B		Willows	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1170587	7	541868	6991585	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Dwarf Birch	Grass Cover	Good	Fine	Rocky
1170588	7	541808	6991665	9/11/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Willows	Leaf Cover	Excellent	Coarse	Rocky
1204466	7	540071	6992489	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		White Spruce	Thin Moss Cover	Poor	Rocky Terrain	Organic 25%
1204467	7	540101	6992451	9/11/2011	Dark Brown	Sand	Damp	Pronounced Slope	30 B		Dwarf Birch	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1204468	7	540130	6992410	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky Terrain	Talus
1204469	7	540160	6992370	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Dwarf Birch	Thin Moss Cover	Poor	Organic 10%	Small Sample
1204470	7	540190	6992331	9/11/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Dwarf Birch	Thin Moss Cover	Poor	Fine	Rocky Terrain
1204471	7	540220	6992291	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Dwarf Birch	Thin Moss Cover	Good	Fine	Rocky Terrain
1204472	7	540249	6992250	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204473	7	540280	6992210	9/11/2011	Chocolate Brown	Sand	Wet	Subtle Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky Terrain	Rocky Sample
1204474	7	540310	6992170	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204475	7	540339	6992130	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204478	7	540370	6992090	9/11/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204479	7	540400	6992049	9/11/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204480	7	540429	6992009	9/11/2011	Dark Brown	Sand	Wet	Pronounced Slope	20 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky Terrain
1204481	7	540459	6991969	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204482	7	540489	6991928	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky Terrain	Fine
1204476	7	540519	6991889	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	20 B		No Tree Cover	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1204477	7	540599	6991948	9/11/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204301	7	540569	6991988	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204302	7	540540	6992028	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky Terrain	Rocky Sample
1204303	7	540511	6992068	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	20 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204483	7	540481	6992108	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	20 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204484	7	540451	6992149	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204485	7	540421	6992189	9/11/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	20 B		White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204486	7	540391	6992229	9/11/2011	Dark Brown	Sand	Damp	Pronounced Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky Terrain
1204487	7	540360	6992269	9/11/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Small Sample
1204488	7	540331	6992309	9/11/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20 B		No Tree Cover	Grass Cover	Good	Rocky Terrain	Fine
1204489	7	540301	6992349	9/11/2011	Chocolate Brown	Sand	Damp	Steep	70 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Rocky Terrain	Fine
1204490	7	540271	6992389	9/11/2011	Chocolate Brown	Sand	Damp	Steep	50 B		No Tree Cover	Rock Cover	Good	Fine	Rocky Terrain
1204491	7	540241	6992429	9/11/2011	Chocolate Brown	Sand	Damp	Steep	50 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky Terrain
1204492	7	540211	6992469	9/11/2011	Dark Brown	Sand	Damp	Steep	60 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Small Sample
1204493	7	540181	6992510	9/11/2011	Dark Brown	Sand	Damp	Steep	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 50%
1204494	7	540151	6992550	9/11/2011	Dark Brown	Sand	Damp	Steep	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Fine
1202281	7	540312	6992669	9/11/2011	Dark Brown	Sand	Damp	Steep	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Organic 50%	Rocky Terrain
1202433	7	539830	6992311	9/12/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1202434	7	539860	6992271	9/12/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		Willows	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202435	7	539891	6992230	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Willows	Rock Cover	Good	Coarse	Rocky Terrain
1202436	7	539919	6992190	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Willows	Leaf Cover	Good	Coarse	Rocky Terrain
1202437	7	539950	6992151	9/12/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		Willows	Rock Cover	Good	Coarse	Rocky Terrain
1202438	7	539980	6992111	9/12/2011	Dark Brown	Silt	Damp	Subtle Slope	20 A		Dwarf Birch	Rock Cover	Poor	Fine	Rocky Terrain
1202439	7	540011	6992070	9/12/2011	Dark Brown	Clay	Damp	Pronounced Slope	20 A		No Tree Cover	Rock Cover	Poor	Fine	Rocky Terrain
1202440	7	540039	6992030	9/12/2011	Dark Brown	Clay	Damp	Steep	20 A		No Tree Cover	Rock Cover	Poor	Fine	Rocky Terrain
1202202	7	540070	6991990	9/12/2011	Dark Brown	Clay	Damp	Pronounced Slope	20 A		Buckbrush	Rock Cover	Poor	Fine	Rocky Terrain
1202203	7	540099	6991950	9/12/2011	Chocolate Brown	Clay	Damp	Subtle Slope	60 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky
1202204	7	540129	6991910	9/12/2011	Dark Brown	Silt	Damp	Subtle Slope	40 B		No Tree Cover	Thin Moss Cover	Good	Fine	Rocky Terrain
1202205	7	540159	6991870	9/12/2011	Dark Brown	Clay	Damp	Subtle Slope	40 B		No Tree Cover	Thin Moss Cover	Good	Fine	Rocky Terrain
1202206	7	540189	6991830	9/12/2011	Dark Brown	Clay	Damp	Subtle Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204341	7	540219	6991790	9/12/2011	Dark Brown	Clay	Damp	Subtle Slope	40 A		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Organic 25%
1204342	7	540249	6991748	9/12/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		No Tree Cover	Thin Moss Cover	Good	Coarse	Rocky
1204343	7	540278	6991710	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204344	7	540308	6991669	9/12/2011	Chocolate Brown	Silt	Damp	Subtle Slope	30 B		No Tree Cover	Thin Moss Cover	Good	Fine	Rocky Terrain
1204345	7	540338	6991630	9/12/2011	Dark Brown	Silt	Damp	Subtle Slope	30 B		No Tree Cover	Thin Moss Cover	Good	Fine	Rocky Terrain
1204346	7	540368	6991590	9/12/2011	Dark Brown	Clay	Damp	Subtle Slope	60 B		Willows	Thin Moss Cover	Good	Fine	Clay
1204347	7	540398	6991550	9/12/2011	Dark Brown	Clay	Dry	Subtle Slope	30 B		Willows	Bare Soil	Good	Fine	Rocky Terrain
1204348	7	540427	6991510	9/12/2011	Chocolate Brown	Clay	Dry	Subtle Slope	30 B		Willows	Rock Cover	Good	Fine	Rocky Terrain
1204349	7	540457	6991470	9/12/2011	Chocolate Brown	Clay	Damp	Subtle Slope	40 B		Willows	Bare Soil	Good	Fine	Rocky Terrain
1204350	7	540487	6991430	9/12/2011	Chocolate Brown	Clay	Damp	Subtle Slope	80 B		Dwarf Birch	Grass Cover	Good	Fine	Rocky Terrain
1202089	7	540517	6991390	9/12/2011	Dark Brown	Silt	Damp	Subtle Slope	30 B		Dwarf Birch	Leaf Cover	Good	Coarse	Rocky

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202075	7	540547	6991350	9/12/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	50 B		Alders	Leaf Cover	Good	Fine	Clay
1202076	7	540578	6991310	9/12/2011	Chocolate Brown	Clay	Damp	Subtle Slope	40 B		Birch Forest	Thin Moss Cover	Good	Fine	Organic 25%
1202077	7	540608	6991269	9/12/2011	Chocolate Brown	Clay	Wet	Subtle Slope	40 B		Alders	Leaf Cover	Good	Coarse	Rocky
1202078	7	540637	6991229	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Leaf Cover	Good	Fine	Rocky Terrain
1202079	7	540667	6991190	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Poplar	Leaf Cover	Poor	Fine	Rocky Terrain
1202080	7	540697	6991148	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 A		Birch Forest	Leaf Cover	Poor	Small Sample	Rocky Terrain
1202081	7	540728	6991108	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 A		Birch Forest	Leaf Cover	Poor	Rocky Terrain	Fine
1202082	7	540757	6991068	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1171595	7	541331	6989627	9/12/2011	Dark Brown	Silt	Damp	Pronounced Slope	80 C		White Spruce	Grass Cover	Good	Sandy	Rocky
1171596	7	541304	6989666	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1171597	7	541275	6989706	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	70 C		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1171598	7	541245	6989747	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Rocky
1171599	7	541214	6989786	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Rocky
1171600	7	541184	6989826	9/12/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 C		Birch Forest	Grass Cover	Poor	Sandy	Rocky
1171935	7	541155	6989867	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Good	Coarse	
1171936	7	541124	6989907	9/12/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Poor	Fine	
1171937	7	541094	6989947	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Rocky
1171938	7	541064	6989988	9/12/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Leaf Cover	Poor	Fine	Rocky Terrain
1171939	7	541034	6990027	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Rocky
1171940	7	541006	6990067	9/12/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Poor	Fine	Rocky
1171941	7	540975	6990107	9/12/2011	Light Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Poor	Fine	
1171577	7	540914	6990187	9/12/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Excellent	Fine	Rocky
1171578	7	540885	6990228	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Coarse	
1171579	7	540854	6990267	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1171580	7	540826	6990308	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1171581	7	540795	6990347	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Good	Fine	Rocky
1171582	7	540765	6990387	9/12/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Dwarf Birch	Rock Cover	Good	Coarse	Rocky Terrain
1171583	7	540736	6990428	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Dwarf Birch	Grass Cover	Poor	Fine	Sandy
1171584	7	540706	6990468	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Excellent	Coarse	Rocky
1171585	7	540706	6990468	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	70 C		Dwarf Birch	Grass Cover	Excellent	Coarse	Rocky
1171586	7	540676	6990508	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Dwarf Birch	Thin Moss Cover	Excellent	Coarse	Rocky
1171587	7	540645	6990549	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Excellent	Coarse	Rocky
1171588	7	540616	6990588	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		Dwarf Birch	Grass Cover	Excellent	Coarse	Rocky
1171589	7	540586	6990628	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Excellent	Coarse	Rocky
1171590	7	540556	6990669	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Poor	Fine	
1171591	7	540526	6990709	9/12/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Sandy	Rocky Terrain
1171592	7	540495	6990749	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	80 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1171593	7	540466	6990789	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	70 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1171594	7	540437	6990828	9/12/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	60 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Sandy	Coarse
1202449	7	539990	6992430	9/12/2011	Chocolate Brown	Sand	Dry	Steep	40 B		Willows	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky
1202300	7	540019	6992392	9/12/2011	Chocolate Brown	Sand	Damp	Steep	40 B		Buckbrush	Sphagnum Moss < 30cm	Poor	Organic 25%	Rocky
1202189	7	540050	6992352	9/12/2011	Chocolate Brown	Sand	Dry	Steep	40 B		Pine	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky
1202188	7	540080	6992310	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Willows	Bare Soil	Poor	Organic 25%	Rocky
1202187	7	540110	6992270	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Willows	Bare Soil	Poor	Organic 50%	Rocky
1202186	7	540140	6992231	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky
1202185	7	540169	6992191	9/12/2011	Chocolate Brown	Sand	Damp	Steep	30 B		Willows	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky
1202183	7	540200	6992151	9/12/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 10%	Rocky
1202184	7	540229	6992111	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Buckbrush	Sphagnum Moss > 30cm	Good	Sandy	Rocky
1202299	7	540259	6992070	9/12/2011	Chocolate Brown	Sand	Damp	Steep	50 B		Buckbrush	Sphagnum Moss < 30cm	Poor	Rocky	Organic 10%
1202334	7	540289	6992030	9/12/2011	Dark Brown	Silt	Damp	Steep	50 B		Buckbrush	Sphagnum Moss < 30cm	Poor	Organic 50%	Partially Frozen
1202335	7	540319	6991990	9/12/2011	Chocolate Brown	Sand	Damp	Steep	40 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky
1202336	7	540349	6991949	9/12/2011	Chocolate Brown	Sand	Damp	Steep	60 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky
1202337	7	540379	6991909	9/12/2011	Dark Brown	Sand	Damp	Steep	40 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky
1202338	7	540409	6991868	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Rocky	Organic 10%
1202339	7	540439	6991829	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 10%	Rocky
1202340	7	540359	6991769	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Partially Frozen
1202341	7	540330	6991808	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Buckbrush	Sphagnum Moss > 30cm	Good	Rocky	Organic 10%
1202342	7	540300	6991849	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky
1202343	7	540270	6991889	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky
1202344	7	540240	6991930	9/12/2011	Chocolate Brown	Sand	Damp	Steep	50 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky
1202345	7	540210	6991969	9/12/2011	Chocolate Brown	Sand	Damp	Steep	40 C		Buckbrush	Sphagnum Moss > 30cm	Good	Sandy	Partially Frozen
1202346	7	540181	6992009	9/12/2011	Chocolate Brown	Silt	Damp	Steep	40 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Rocky	Partially Frozen
1202347	7	540150	6992049	9/12/2011	Chocolate Brown	Sand	Damp	Steep	40 C		Willows	Sphagnum Moss > 30cm	Good	Sandy	Rocky
1202348	7	540120	6992091	9/12/2011	Chocolate Brown	Sand	Damp	Steep	40 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Rocky
1202349	7	540089	6992130	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Willows	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky
1202350	7	540061	6992170	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Willows	Bare Soil	Poor	Organic 25%	Rocky
1202328	7	540030	6992209	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Willows	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky
1202329	7	539999	6992251	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Willows	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky
1202330	7	539971	6992290	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Willows	Bare Soil	Poor	Organic 50%	Rocky
1202331	7	539940	6992329	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky
1202332	7	539910	6992370	9/12/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		Willows	Sphagnum Moss > 30cm	Poor	Organic 50%	Rocky

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1170008	7	540516	6990889	9/12/2011	Dark Brown	Sand	Damp	Pronounced Slope	60	C	Dwarf Birch	Sphagnum Moss < 30cm	Good	Clay	Rocky Terrain
1170009	7	540545	6990849	9/12/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	70	B	Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky Terrain	
1170010	7	540577	6990809	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40	C	Dwarf Birch	Sphagnum Moss < 30cm	Excellent	Rocky Terrain	
1170011	7	540606	6990768	9/12/2011	Dark Brown	Sand	Dry	Subtle Slope	60	C	Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	Quartz Chips
1170012	7	540635	6990728	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60	C	Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	Quartz Chips
1170013	7	540664	6990687	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	
1170014	7	540696	6990649	9/12/2011	Dark Grey Black	Sand	Damp	Subtle Slope	100	C	Dwarf Birch	Grass Cover	Excellent	Rusty Rock Chip	Quartz Chips
1170015	7	540696	6990649	9/12/2011	Dark Grey Black	Sand	Damp	Subtle Slope	100	C	Dwarf Birch	Grass Cover	Excellent	Rusty Rock Chip	Quartz Chips
1170016	7	540725	6990608	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60	C	Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	
1170017	7	540755	6990568	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50	C	Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	Quartz Chips
1170018	7	540786	6990528	9/12/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40	C	Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	
1170019	7	540814	6990487	9/12/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50	C	Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	
1170020	7	540845	6990448	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70	C	Dwarf Birch	Leaf Cover	Excellent	Rocky Terrain	Quartz Chips
1170021	7	541412	6989686	9/12/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	40	B	White Spruce	Grass Cover	Good	Rocky Terrain	
1170022	7	541382	6989725	9/12/2011	Dark Grey Black	Sand	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170023	7	541352	6989767	9/12/2011	Grey	Sand	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170024	7	541323	6989806	9/12/2011	Grey	Sand	Dry	Pronounced Slope	30	B	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170025	7	541295	6989847	9/12/2011	Dark Grey Black	Sand	Dry	Pronounced Slope	40	B	Birch Forest	Grass Cover	Good	Rocky Terrain	
1170026	7	541264	6989887	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170027	7	541235	6989927	9/12/2011	Grey	Sand	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170028	7	541204	6989967	9/12/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	40	B	Birch Forest	Grass Cover	Good	Clay	Rocky Terrain
1170029	7	541174	6990006	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Poor	Rocky Terrain	
1170030	7	541143	6990047	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170031	7	541113	6990086	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170032	7	541085	6990128	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60	C	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170033	7	541055	6990168	9/12/2011	Dark Grey Black	Sand	Dry	Pronounced Slope	50	C	Birch Forest	Grass Cover	Good	Rocky Terrain	
1170034	7	541025	6990208	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	C	Dwarf Birch	Grass Cover	Good	Rocky Terrain	Rusty Rock Chip
1170035	7	540994	6990248	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50	B	Willows	Grass Cover	Good	Clay	Rocky Terrain
1170036	7	540966	6990286	9/12/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	40	B	Birch Forest	Grass Cover	Good	Clay	Rocky Terrain
1170037	7	540934	6990327	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50	C	Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	Quartz Chips
1170038	7	540904	6990368	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40	C	Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	
1170039	7	540875	6990408	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50	C	Dwarf Birch	Leaf Cover	Excellent	Rocky Terrain	Quartz Chips
1176516	7	541573	6989806	9/12/2011	Dark Brown	Sand	Damp	Pronounced Slope	50	C	Old Burn	Thin Moss Cover	Good	Coarse	Rocky
1176517	7	541544	6989845	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40	B	Old Burn	Sphagnum Moss < 30cm	Good	Clay	Rocky
1176518	7	541514	6989885	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50	B	Birch Forest	Sphagnum Moss < 30cm	Good	Rocky	
1176519	7	541484	6989925	9/12/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40	B	Alder	Thin Moss Cover	Good	Sandy	Organic 10%
1176520	7	541454	6989966	9/12/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40	B	Birch Forest	Sphagnum Moss < 30cm	Poor	Rocky	
1176521	7	541425	6990005	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	B	Willows	Sphagnum Moss < 30cm	Good	Rocky	
1176522	7	541394	6990046	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	B	White Spruce	Thin Moss Cover	Good	Organic 10%	Rocky
1176523	7	541365	6990086	9/12/2011	Dark Brown	Silt	Dry	Pronounced Slope	30	B	Old Burn	Thin Moss Cover	Poor	Rocky	Organic 25%
1176524	7	541335	6990126	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	B	Old Burn	Burnt Moss	Good	Coarse	Rocky
1176525	7	541304	6990166	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	B	Dwarf Birch	Thin Moss Cover	Good	Clay	Rocky
1176526	7	541275	6990206	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	B	Old Burn	Thin Moss Cover	Good	Organic 10%	Rocky
1176527	7	541245	6990247	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	B	Old Burn	Thin Moss Cover	Good	Clay	Rocky
1176528	7	541215	6990286	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky
1176529	7	541185	6990326	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	B	Dwarf Birch	Thin Moss Cover	Good	Clay	Rocky
1176530	7	541155	6990367	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	Dwarf Birch	Thin Moss Cover	Good	Clay	Coarse
1176531	7	541125	6990407	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60	C	Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1176532	7	541094	6990447	9/12/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	50	B	Dwarf Birch	Thin Moss Cover	Good	Sandy	Rocky
1176533	7	541065	6990487	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	C	Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky
1176501	7	541035	6990527	9/12/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	60	B	Dwarf Birch	Thin Moss Cover	Good	Sandy	
1176502	7	541035	6990527	9/12/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	60	B	Dwarf Birch	Thin Moss Cover	Good	Sandy	
1176503	7	540706	6990969	9/12/2011	Grey	Sand	Wet	Pronounced Slope	50	C	Black Spruce	Sphagnum Moss < 30cm	Good	Sandy	Rocky
1176504	7	540736	6990929	9/12/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	30	B	Old Burn	Thin Moss Cover	Good	Rocky	Sandy
1176505	7	540766	6990889	9/12/2011	Grey	Clay	Damp	Pronounced Slope	50	B	Old Burn	Sphagnum Moss < 30cm	Good	Organic 10%	
1176506	7	540796	6990849	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40	B	Old Burn	Leaf Cover	Good	Clay	Rocky Terrain
1176507	7	540826	6990808	9/12/2011	Grey	Sand	Damp	Pronounced Slope	60	B	Old Burn	Burnt Moss	Good	Sandy	Rocky
1176508	7	540856	6990768	9/12/2011	Dark Brown	Clay	Dry	Pronounced Slope	30	B	Old Burn	Thin Moss Cover	Poor	Organic 50%	Rocky Terrain
1176509	7	540885	6990728	9/12/2011	Grey	Sand	Damp	Pronounced Slope	60	C	No Tree Cover	Thin Moss Cover	Good	Sandy	
1176510	7	540916	6990688	9/12/2011	Dark Brown	Clay	Damp	Pronounced Slope	40	B	Old Burn	Thin Moss Cover	Poor	Organic 25%	Rocky
1176511	7	540946	6990648	9/12/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	30	B	Old Burn	Sphagnum Moss < 30cm	Poor	Coarse	Organic 25%
1176512	7	540975	6990608	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1176513	7	541006	6990567	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40	B	No Tree Cover	Thin Moss Cover	Good	Coarse	Rocky
1202368	7	539670	6992191	9/12/2011					0						
1202193	7	539700	6992152	9/12/2011					0						
1202194	7	539731	6992111	9/12/2011					0						
1202195	7	539759	6992072	9/12/2011					0						
1202291	7	539789	6992032	9/12/2011					0						
1202450	7	539818	6991993	9/12/2011					0						
1202491	7	539849	6991952	9/12/2011					0						
1202492	7	539879	6991912	9/12/2011					0						

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202293	7	539909	6991871	9/12/2011					0						
1202294	7	539939	6991831	9/12/2011					0						
1202295	7	539968	6991792	9/12/2011					0						
1202296	7	539998	6991751	9/12/2011					0						
1202297	7	540029	6991710	9/12/2011					0						
1202497	7	540059	6991670	9/12/2011					0						
1202369	7	540089	6991629	9/12/2011					0						
1202370	7	540118	6991590	9/12/2011					0						
1202371	7	540148	6991549	9/12/2011					0						
1202372	7	540178	6991511	9/12/2011					0						
1202373	7	540207	6991471	9/12/2011					0						
1202374	7	540237	6991431	9/12/2011					0						
1202375	7	540267	6991390	9/12/2011					0						
1202376	7	540296	6991350	9/12/2011					0						
1202377	7	540327	6991310	9/12/2011					0						
1202378	7	540357	6991270	9/12/2011					0						
1202379	7	540387	6991230	9/12/2011					0						
1202380	7	540417	6991189	9/12/2011					0						
1202381	7	540447	6991150	9/12/2011					0						
1202382	7	540477	6991109	9/12/2011					0						
1202383	7	540507	6991069	9/12/2011					0						
1202384	7	540537	6991029	9/12/2011					0						
1202385	7	540567	6990989	9/12/2011					0						
1202386	7	540596	6990949	9/12/2011					0						
1172543	7	541653	6989866	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Leaf Cover	Good	Coarse	Rocky Terrain
1172544	7	541623	6989906	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky
1172540	7	541594	6989946	9/12/2011	Dark Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Leaf Cover	Good	Coarse	Rocky
1172539	7	541564	6989984	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Alder	Thin Moss Cover	Poor	Fine	Rocky Terrain
1172542	7	541533	6990026	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	70 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1172541	7	541504	6990067	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1176602	7	541474	6990106	9/12/2011	Bluish Grey	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1176601	7	541445	6990146	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Sample
1176603	7	541414	6990186	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1176604	7	541384	6990227	9/12/2011	Dark Grey Black	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Thin Moss Cover	Poor	Fine	Rocky Terrain
1176605	7	541355	6990267	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	70 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1176606	7	541325	6990307	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky
1176607	7	541295	6990347	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1176608	7	541264	6990388	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Sample
1176609	7	541235	6990426	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1176610	7	541206	6990466	9/12/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky
1176611	7	541176	6990506	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 C		Dwarf Birch	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1176612	7	541176	6990506	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 C		Dwarf Birch	Sphagnum Moss < 30cm	Excellent	Coarse	Sandy
1176613	7	541145	6990546	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Dwarf Birch	Thin Moss Cover	Excellent	Coarse	Rocky
1176614	7	541115	6990586	9/12/2011	Light Brown	Sand	Damp	Subtle Slope	50 C		Dwarf Birch	Burnt Moss	Excellent	Coarse	Rocky
1176615	7	541086	6990627	9/12/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Dwarf Birch	Burnt Moss	Excellent	Coarse	Rocky
1176616	7	541056	6990667	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Sample
1176617	7	541027	6990706	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1176618	7	540995	6990748	9/12/2011	Dark Brown	Silt	Damp	Subtle Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1176619	7	540966	6990787	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Partially Frozen
1176620	7	540936	6990827	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1176621	7	540906	6990868	9/12/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Sample
1176622	7	540877	6990908	9/12/2011	Dark Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1176623	7	540847	6990947	9/12/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Dwarf Birch	Burnt Moss	Excellent	Coarse	Rocky Sample
1176624	7	540816	6990989	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Sample
1176625	7	540788	6991027	9/12/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Black Spruce	Reindeer Moss	Good	Coarse	Rocky Terrain
1170590	7	541493	6989746	9/12/2011	Grey	Silt	Damp	Pronounced Slope	50 B		Birch Forest	Grass Cover	Good	Coarse	
1170591	7	541464	6989786	9/12/2011	Grey	Silt	Damp	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Organic 10%	
1170592	7	541433	6989825	9/12/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Rocky
1170593	7	541404	6989866	9/12/2011	Grey	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	
1170594	7	541374	6989906	9/12/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Organic 10%	Rocky
1170595	7	541344	6989946	9/12/2011	Grey	Silt	Damp	Pronounced Slope	30 B		Alder	Leaf Cover	Good	Rocky	
1170596	7	541314	6989985	9/12/2011	Grey	Silt	Damp	Subtle Slope	50 B		Alder	Grass Cover	Good	Fine	Rocky
1170597	7	541285	6990026	9/12/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Alder	Leaf Cover	Good	Coarse	
1170598	7	541255	6990066	9/12/2011	Grey	Silt	Dry	Pronounced Slope	40 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1170599	7	541224	6990106	9/12/2011	Grey	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1170600	7	541195	6990147	9/12/2011	Grey	Silt	Damp	Pronounced Slope	40 B		Birch Forest	Grass Cover	Good	Coarse	Rocky
1176835	7	541164	6990187	9/12/2011	Grey	Silt	Damp	Pronounced Slope	70 B		Alder	Bare Soil	Good	Rocky	
1176836	7	541134	6990227	9/12/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Bare Soil	Good	Rocky	Organic 10%
1176837	7	541105	6990267	9/12/2011	Grey	Silt	Damp	Pronounced Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky	
1176838	7	541075	6990306	9/12/2011	Grey	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Organic 10%
1176839	7	541045	6990346	9/12/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 C		Dwarf Birch	Bare Soil	Good	Coarse	Rocky

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1176840	7	541015	6990387	9/12/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		Dwarf Birch	Bare Soil	Good	Coarse	Rocky
1176841	7	540987	6990428	9/12/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Dwarf Birch	Bare Soil	Good	Coarse	Organic 10%
1176842	7	540956	6990467	9/12/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Dwarf Birch	Bare Soil	Excellent	Coarse	Rocky
1176843	7	540956	6990467	9/12/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Dwarf Birch	Bare Soil	Excellent	Coarse	Rocky
1176844	7	540925	6990507	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Bare Soil	Good	Coarse	Rocky
1176845	7	540895	6990547	9/12/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 C		Dwarf Birch	Bare Soil	Good	Coarse	
1176846	7	540866	6990587	9/12/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Bare Soil	Good	Coarse	Rocky Terrain
1176847	7	540836	6990628	9/12/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	30 B		Willows	Sphagnum Moss < 30cm	Good	Organic 10%	Talus
1176848	7	540805	6990668	9/12/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Dwarf Birch	Bare Soil	Good	Quartz Chips	Rocky Terrain
1176849	7	540776	6990708	9/12/2011	Grey	Silt	Damp	Pronounced Slope	40 B		Dwarf Birch	Grass Cover	Good	Rocky	
1176850	7	540746	6990748	9/12/2011	Grey	Silt	Damp	Pronounced Slope	60 B		Dwarf Birch	Sphagnum Moss > 30cm	Good	Rocky	Organic 10%
1165736	7	540717	6990788	9/12/2011	Grey	Silt	Damp	Pronounced Slope	70 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1165737	7	540687	6990828	9/12/2011	Grey	Silt	Wet	Pronounced Slope	50 B		Dwarf Birch	Bare Soil	Good	Coarse	
1165738	7	540657	6990869	9/12/2011	Grey	Sand	Damp	Pronounced Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Rocky	Coarse
1165739	7	540626	6990909	9/12/2011	Grey	Silt	Wet	Subtle Slope	80 B		Dwarf Birch	Bare Soil	Good	Fine	
1165740	7	540597	6990949	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	70 C		Dwarf Birch	Leaf Cover	Excellent	Rocky	
1165741	7	540597	6990949	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	70 C		Dwarf Birch	Leaf Cover	Excellent	Rocky	
1202298	7	539750	6992251	9/12/2011	Chocolate Brown	Sand	Wet	Subtle Slope	30 B		Willows	Sphagnum Moss < 30cm	Good	Rocky Terrain	Fine
1202447	7	539780	6992211	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Alders	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202443	7	539810	6992171	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	20 B		Alders	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202444	7	539839	6992131	9/12/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		White Spruce	Thin Moss Cover	Good	Rocky Terrain	Rocky Sample
1202445	7	539869	6992092	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		White Spruce	Grass Cover	Poor	Rocky Terrain	Organic 25%
1202446	7	539899	6992051	9/12/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss > 30cm	Good	Partially Frozen	Rocky Terrain
1202442	7	539928	6992011	9/12/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	30 B		Alders	Sphagnum Moss < 30cm	Poor	Partially Frozen	Rocky Terrain
1202192	7	539959	6991971	9/12/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1202191	7	539989	6991931	9/12/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1202190	7	540019	6991890	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Rocky Sample	Rocky Terrain
1201127	7	540049	6991850	9/12/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		Dwarf Birch	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1201126	7	540079	6991810	9/12/2011	Dark Brown	Sand	Wet	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 25%
1202288	7	540108	6991770	9/12/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 10%
1202289	7	540138	6991730	9/12/2011	Dark Brown	Sand	Damp	Pronounced Slope	20 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1202290	7	540169	6991690	9/12/2011	Dark Brown	Sand	Wet	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204495	7	540197	6991650	9/12/2011	Dark Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1204496	7	540227	6991610	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	20 B		No Tree Cover	Thin Moss Cover	Good	Rocky Terrain	Rocky Sample
1204497	7	540257	6991570	9/12/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Dwarf Birch	Thin Moss Cover	Poor	Fine	Rocky Terrain
1202285	7	540287	6991530	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	20 B		Dwarf Birch	Grass Cover	Poor	Fine	Rocky Terrain
1204498	7	540317	6991490	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Dwarf Birch	Grass Cover	Good	Fine	Rocky Terrain
1204499	7	540347	6991450	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	20 B		Dwarf Birch	Leaf Cover	Good	Talus	Rocky Terrain
1204500	7	540376	6991409	9/12/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	30 B		Alders	Grass Cover	Good	Rocky Sample	Rocky Terrain
1202282	7	540407	6991369	9/12/2011	Chocolate Brown	Sand	Dry	Steep	30 B		Dwarf Birch	Leaf Cover	Good	Fine	Rocky Terrain
1202283	7	540438	6991330	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	20 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1201383	7	540467	6991289	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1201384	7	540497	6991250	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1201436	7	540527	6991208	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1201435	7	540556	6991168	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Poplar	Leaf Cover	Good	Fine	Rocky Terrain
1201124	7	540587	6991129	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Poplar	Leaf Cover	Good	Fine	Rocky Terrain
1202199	7	540616	6991088	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Poplar	Leaf Cover	Good	Fine	Rocky Terrain
1202200	7	540646	6991049	9/12/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Poplar	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1202287	7	540677	6991009	9/12/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		Willows	Sphagnum Moss < 30cm	Poor	Possible Creek Contamination	Organic 50%
1202083	7	539154	6989873	9/13/2011	Grey	Silt	Damp	Pronounced Slope	20 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Frozen	Organic 25%
1202084	7	539182	6989833	9/13/2011	Dark Brown	Sand	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Frozen	Organic 25%
1202087	7	539213	6989794	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1202085	7	539243	6989754	9/13/2011	Dark Brown	Silt	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Frozen	Organic 10%
1202086	7	539272	6989713	9/13/2011	Dark Brown	Silt	Damp	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Partially Frozen	Clay
1202088	7	539303	6989672	9/13/2011	Yellow	Sand	Dry	Subtle Slope	30 B		Black Spruce	Thin Moss Cover	Good	Fine	Sandy
1166480	7	539333	6989631	9/13/2011	Reddish Yellow	Sand	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Sandy
1166481	7	539362	6989593	9/13/2011	Yellow	Sand	Dry	Subtle Slope	70 C		Birch Forest	Leaf Cover	Excellent	Fine	Sandy
1166482	7	539362	6989593	9/13/2011	Yellow	Sand	Dry	Subtle Slope	70 C		Birch Forest	Leaf Cover	Excellent	Fine	Sandy
1166483	7	539392	6989553	9/13/2011	Yellow	Sand	Damp	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Sandy
1166484	7	539422	6989512	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Sandy
1166485	7	539452	6989473	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Leaf Cover	Good	Coarse	Rocky Terrain
1166486	7	539483	6989430	9/13/2011	Reddish Yellow	Sand	Dry	Subtle Slope	90 C		Birch Forest	Leaf Cover	Excellent	Coarse	Sandy
1166487	7	539513	6989390	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	80 C		Birch Forest	Leaf Cover	Excellent	Fine	Rocky
1166488	7	539542	6989352	9/13/2011	Light Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Sandy
1166489	7	539571	6989311	9/13/2011	Dark Brown	Silt	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Sandy
1166490	7	539603	6989272	9/13/2011	Dark Brown	Silt	Damp	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Sandy
1166491	7	539632	6989230	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Sandy
1166492	7	539660	6989192	9/13/2011	Dark Brown	Sand	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1166493	7	539693	6989150	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1166494	7	539720	6989112	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Clay
1166495	7	539751	6989072	9/13/2011	Light Brown	Sand	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1166496	7	539781	6989031	9/13/2011	Grey	Sand	Dry	Subtle Slope	80 C		Alders	Leaf Cover	Excellent	Coarse	Rocky
1166497	7	539781	6989031	9/13/2011	Grey	Sand	Dry	Subtle Slope	80 C		Alders	Leaf Cover	Excellent	Coarse	Rocky
1166498	7	539810	6988991	9/13/2011	Dark Brown	Sand	Damp	Subtle Slope	50 C		Alders	Thin Moss Cover	Good	Coarse	Rocky
1166499	7	539838	6988952	9/13/2011	Dark Brown	Sand	Damp	Subtle Slope	70 C		Birch Forest	Leaf Cover	Good	Fine	Sandy
1166500	7	539872	6988910	9/13/2011	Grey	Silt	Damp	Subtle Slope	80 B		Birch Forest	Leaf Cover	Good	Fine	Clay
1202132	7	539901	6988871	9/13/2011	Dark Brown	Silt	Damp	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Fine	Rocky
1202133	7	539930	6988832	9/13/2011	Light Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Leaf Cover	Good	Fine	Sandy
1202134	7	539960	6988792	9/13/2011	Dark Brown	Sand	Dry	Subtle Slope	60 C		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1202135	7	539989	6988750	9/13/2011	Dark Grey Black	Silt	Damp	Subtle Slope	40 B		Birch Forest	Leaf Cover	Poor	Organic 25%	Fine
1202136	7	540020	6988711	9/13/2011	Dark Brown	Silt	Damp	Subtle Slope	70 B		Alders	Leaf Cover	Good	Coarse	Clay
1202137	7	540050	6988671	9/13/2011	Dark Brown	Silt	Damp	Pronounced Slope	40 B		Alders	Sphagnum Moss < 30cm	Good	Fine	Mud
1176551	7	541173	6989506	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Rocky	Coarse
1176552	7	541144	6989546	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Sandy	Rocky
1176553	7	541113	6989586	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Leaf Cover	Good	Fine	Rocky
1176554	7	541083	6989626	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Poor	Rocky	Sandy
1176555	7	541053	6989665	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 C		Birch Forest	Leaf Cover	Good	Fine	Rocky
1176556	7	541023	6989707	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1176557	7	540994	6989747	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1176558	7	540962	6989787	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Good	Fine	Sandy
1176559	7	540934	6989828	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Good	Rocky	Fine
1176560	7	540904	6989867	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	80 C		Birch Forest	Grass Cover	Excellent	Coarse	Rocky
1176561	7	540874	6989907	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Excellent	Coarse	Rocky
1176562	7	540848	6989947	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Excellent	Coarse	Rocky
1176563	7	540815	6989988	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Rocky Terrain
1176564	7	540784	6990028	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Poor	Loess	Fine
1176565	7	540754	6990068	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1176566	7	540724	6990108	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1176567	7	540693	6990148	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Rocky
1176568	7	540665	6990187	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1176569	7	540634	6990228	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Dwarf Birch	Leaf Cover	Excellent	Coarse	Rocky
1176570	7	540634	6990228	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Dwarf Birch	Leaf Cover	Excellent	Coarse	Rocky
1176571	7	540605	6990268	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky Terrain
1176572	7	540574	6990308	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1176574	7	540545	6990348	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Reindeer Moss	Good	Coarse	Rocky Terrain
1176575	7	540513	6990388	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Dwarf Birch	Rock Cover	Poor	Fine	Rocky Terrain
1176576	7	540483	6990427	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 C		Dwarf Birch	Grass Cover	Good	Coarse	
1176577	7	540455	6990469	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	60 C		Dwarf Birch	Grass Cover	Good	Rocky	Coarse
1176579	7	540427	6990509	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Rock Cover	Good	Coarse	Rocky
1176580	7	540395	6990549	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1176581	7	540366	6990589	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky Terrain
1176582	7	540336	6990629	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Dwarf Birch	Sphagnum Moss > 30cm	Good	Sandy	Rocky
1176583	7	540306	6990669	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		Dwarf Birch	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1176584	7	540275	6990711	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1202333	7	539234	6989933	9/13/2011	Dark Brown	Silt	Damp	Steep	50 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 50%	
1204432	7	539263	6989894	9/13/2011	Dark Brown	Silt	Damp	Pronounced Slope	70 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 50%	
1201389	7	539293	6989854	9/13/2011	Dark Brown	Silt	Damp	Pronounced Slope	60 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 50%	
1201388	7	539322	6989814	9/13/2011	Dark Brown	Silt	Damp	Pronounced Slope	60 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 50%	
1201387	7	539353	6989774	9/13/2011	Dark Brown	Silt	Damp	Pronounced Slope	60 B		Subalpine Fir	Sphagnum Moss > 30cm	Poor	Organic 50%	Partially Frozen
1201386	7	539383	6989734	9/13/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	50 C		Subalpine Fir	Sphagnum Moss > 30cm	Good	Coarse	Rocky Sample
1201385	7	539413	6989692	9/13/2011	Chocolate Brown	Sand	Damp	Flat	50 C		Black Spruce	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1201122	7	539443	6989653	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Rocky
1201121	7	539472	6989613	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Birch Forest	Leaf Cover	Poor	Fine	Loess
1204950	7	539502	6989572	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 C		Birch Forest	Leaf Cover	Good	Fine	
1204949	7	539532	6989532	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 C		Birch Forest	Leaf Cover	Poor	Loess	Fine
1201182	7	539563	6989492	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Bright Orange Rust	Fine
1201064	7	539592	6989451	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Dull Red Rust	Bright Orange Rust
1201065	7	539622	6989412	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Fine	Bright Orange Rust
1201083	7	539651	6989372	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Fine	Bright Orange Rust
1201066	7	539681	6989332	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Fine	
1201128	7	539711	6989292	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Leaf Cover	Good	Fine	
1201123	7	539741	6989252	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Bright Orange Rust	Rusty Rock Chip
1204304	7	539771	6989212	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Fine	
1204436	7	539802	6989171	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Poplar	Leaf Cover	Good	Fine	Rocky
1204935	7	539831	6989131	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Rusty Rock Chip	Fine
1204934	7	539860	6989092	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Poor	Fine	Organic 10%
1203305	7	539891	6989051	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Fine	
1204933	7	539920	6989011	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Coarse	Rocky
1204932	7	539920	6989011	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Coarse	Rocky
1201180	7	539951	6988971	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Poor	Fine	Loess
1201181	7	539981	6988930	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Poor	Loess	Fine
1202448	7	540011	6988889	9/13/2011	Dark Brown	Sand	Damp	Subtle Slope	60 C		Poplar	Leaf Cover	Good	Bright Orange Rust	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202498	7	540041	6988850	9/13/2011	Dark Brown	Silt	Damp	Subtle Slope	50 B		Poplar	Leaf Cover	Poor	Organic 25%	
1202499	7	540070	6988810	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Poplar	Leaf Cover	Good	Coarse	Rocky
1202500	7	540099	6988771	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Sandy	Possible Creek Contamination
1202493	7	540130	6988730	9/13/2011	Dark Brown	Sand	Damp	Pronounced Slope	50 C		Willows	Leaf Cover	Good	Sandy	Coarse
1170040	7	540852	6989268	9/13/2011	Dark Grey Black	Sand	Damp	Steep	50 C		Alder	Sphagnum Moss < 30cm	Good	Rocky Terrain	Possible Creek Contamination
1170041	7	540822	6989307	9/13/2011	Dark Grey Black	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Excellent	Rusty Rock Chip	Quartz Chips
1170042	7	540791	6989347	9/13/2011	Grey	Sand	Dry	Steep	50 O		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	Quartz Chips
1170043	7	540761	6989387	9/13/2011	Grey	Sand	Dry	Steep	40 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	
1170044	7	540732	6989427	9/13/2011	Grey	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	
1170045	7	540701	6989467	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170046	7	540671	6989507	9/13/2011	Grey	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	
1170047	7	540642	6989548	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	
1170048	7	540612	6989589	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170049	7	540582	6989628	9/13/2011	Chocolate Brown	Sand	Dry	Steep	70 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	
1170050	7	540582	6989628	9/13/2011	Chocolate Brown	Sand	Dry	Steep	70 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	
1170051	7	540553	6989669	9/13/2011	Dark Grey Black	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170052	7	540522	6989709	9/13/2011	Grey	Sand	Dry	Steep	40 B		Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170053	7	540492	6989749	9/13/2011	Grey	Sand	Dry	Steep	40 B		Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170054	7	540462	6989789	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Birch Forest	Grass Cover	Excellent	Rocky Terrain	
1170055	7	540433	6989829	9/13/2011	Chocolate Brown	Sand	Dry	Steep	40 C		Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170056	7	540403	6989869	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Bare Soil	Excellent	Rocky Terrain	
1170057	7	540374	6989910	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Grass Cover	Excellent	Rocky Terrain	
1170058	7	540344	6989949	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Grass Cover	Excellent	Rocky Terrain	Quartz Chips
1170059	7	539955	6990470	9/13/2011	Dark Grey Black	Sand	Damp	Subtle Slope	40 B		Birch Forest	Grass Cover	Good	Rocky Terrain	Possible Creek Contamination
1170060	7	539985	6990431	9/13/2011	Dark Brown	Sand	Wet	Pronounced Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Rocky Terrain	
1170061	7	540015	6990391	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Birch Forest	Grass Cover	Excellent	Rocky Terrain	
1170062	7	540044	6990351	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Grass Cover	Good	Rocky Terrain	
1170063	7	540074	6990311	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Grass Cover	Good	Rocky Terrain	
1170064	7	540104	6990270	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Grass Cover	Excellent	Rocky Terrain	
1170065	7	540134	6990230	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Grass Cover	Excellent	Rocky Terrain	
1170066	7	540164	6990189	9/13/2011	Dark Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Grass Cover	Excellent	Rocky Terrain	Quartz Chips
1170067	7	540194	6990151	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Grass Cover	Excellent	Rocky Terrain	Quartz Chips
1170068	7	540223	6990110	9/13/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	40 C		Birch Forest	Grass Cover	Good	Rocky Terrain	Quartz Chips
1170069	7	540254	6990069	9/13/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	70 C		Birch Forest	Grass Cover	Good	Rocky Terrain	
1170070	7	540284	6990029	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		Black Spruce	Grass Cover	Good	Rocky Terrain	Bright Orange Rust
1170071	7	540315	6989989	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Dwarf Birch	Grass Cover	Excellent	Rocky Terrain	
1161672	7	541252	6989567	9/13/2011	Dark Grey Black	Clay	Damp	Pronounced Slope	60 B		White Spruce	Leaf Cover	Poor	Organic 10%	
1161673	7	541224	6989605	9/13/2011	Grey	Sand	Dry	Pronounced Slope	50 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky
1161674	7	541193	6989646	9/13/2011	Grey	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Thin Moss Cover	Good	Fine	Organic 10%
1161675	7	541164	6989686	9/13/2011	Dark Grey Black	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Thin Moss Cover	Poor	Sandy	Rocky
1161676	7	541134	6989726	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		Birch Forest	Thin Moss Cover	Poor	Organic 25%	Rocky Terrain
1161677	7	541103	6989766	9/13/2011	Dark Grey Black	Clay	Dry	Pronounced Slope	40 B		Birch Forest	Thin Moss Cover	Good	Sandy	Organic 10%
1161678	7	541075	6989807	9/13/2011	Dark Brown	Silt	Dry	Pronounced Slope	30 B		Birch Forest	Thin Moss Cover	Poor	Organic 50%	Rocky
1161679	7	541044	6989846	9/13/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Thin Moss Cover	Good	Organic 10%	Rocky
1161680	7	541015	6989887	9/13/2011	Grey	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Thin Moss Cover	Good	Organic 10%	Rocky
1161681	7	540984	6989927	9/13/2011	Dark Grey Black	Clay	Dry	Pronounced Slope	40 B		Birch Forest	Grass Cover	Poor	Organic 50%	Rocky
1161682	7	540954	6989967	9/13/2011	Dark Brown	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Bare Soil	Good	Organic 10%	Rocky
1161683	7	540925	6990007	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Thin Moss Cover	Good	Organic 10%	Rocky
1161684	7	540894	6990046	9/13/2011	Dark Brown	Clay	Dry	Pronounced Slope	40 B		Birch Forest	Grass Cover	Poor	Organic 25%	Rocky
1161651	7	540864	6990088	9/13/2011	Grey	Sand	Dry	Pronounced Slope	50 B		Birch Forest	Leaf Cover	Good	Rocky	
1161652	7	540834	6990128	9/13/2011	Grey	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Grass Cover	Good	Rocky	Coarse
1161653	7	540804	6990167	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1161654	7	540775	6990208	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Dwarf Birch	Thin Moss Cover	Good	Rocky	
1161655	7	540746	6990247	9/13/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	50 B		Old Burn	Burnt Moss	Good	Coarse	Rocky
1161656	7	540715	6990288	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky
1161657	7	540713	6990286	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Dwarf Birch	Thin Moss Cover	Good	Coarse	Rocky
1161658	7	540686	6990329	9/13/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	60 B		Old Burn	Burnt Moss	Good	Rocky	
1161659	7	540687	6990327	9/13/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	60 B		Old Burn	Burnt Moss	Good	Rocky	
1161660	7	540656	6990368	9/13/2011	Dark Brown	Clay	Damp	Pronounced Slope	30 B		Old Burn	Burnt Moss	Poor	Organic 10%	Rocky Terrain
1161661	7	540357	6990769	9/13/2011	Grey	Sand	Wet	Pronounced Slope	60 B		Alder	Sphagnum Moss < 30cm	Good	Clay	
1161662	7	540386	6990729	9/13/2011	Dark Brown	Clay	Wet	Pronounced Slope	40 B		No Tree Cover	Grass Cover	Poor	Organic 10%	Rocky
1161663	7	540416	6990689	9/13/2011	Grey	Clay	Wet	Pronounced Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 10%	
1161664	7	540446	6990649	9/13/2011	Dark Brown	Clay	Damp	Pronounced Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Organic 25%	
1161665	7	540476	6990608	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 C		No Tree Cover	Thin Moss Cover	Good	Coarse	Organic 10%
1161666	7	540505	6990568	9/13/2011	Dark Brown	Clay	Damp	Pronounced Slope	50 C		No Tree Cover	Thin Moss Cover	Good	Coarse	Rocky
1161667	7	540535	6990528	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		No Tree Cover	Burnt Moss	Good	Coarse	
1161668	7	540566	6990489	9/13/2011	Dark Brown	Sand	Damp	Pronounced Slope	40 B		No Tree Cover	Grass Cover	Good	Organic 10%	
1161669	7	540595	6990449	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		No Tree Cover	Thin Moss Cover	Good	Coarse	Organic 10%
1161670	7	540625	6990409	9/13/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40 C		No Tree Cover	Thin Moss Cover	Good	Coarse	Sandy
1161671	7	540624	6990412	9/13/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40 C		No Tree Cover	Thin Moss Cover	Good	Coarse	Sandy
1202387	7	539074	6989813	9/13/2011					0						

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1202388	7	539103	6989774	9/13/2011					0						
1202389	7	539132	6989734	9/13/2011					0						
1202390	7	539162	6989694	9/13/2011					0						
1202391	7	539193	6989654	9/13/2011					0						
1202392	7	539222	6989613	9/13/2011					0						
1202393	7	539252	6989573	9/13/2011					0						
1202394	7	539282	6989533	9/13/2011					0						
1202395	7	539312	6989493	9/13/2011					0						
1202396	7	539342	6989453	9/13/2011					0						
1202397	7	539371	6989412	9/13/2011					0						
1202398	7	539402	6989373	9/13/2011					0						
1202399	7	539432	6989332	9/13/2011					0						
1202400	7	539462	6989292	9/13/2011					0						
1201350	7	539491	6989253	9/13/2011					0						
1201349	7	539491	6989253	9/13/2011					0						
1203306	7	539521	6989213	9/13/2011					0						
1201348	7	539550	6989173	9/13/2011					0						
1201347	7	539580	6989132	9/13/2011					0						
1201346	7	539610	6989092	9/13/2011					0						
1201345	7	539641	6989052	9/13/2011					0						
1203307	7	539641	6989052	9/13/2011					0						
1204433	7	539670	6989012	9/13/2011					0						
1204435	7	539700	6988972	9/13/2011					0						
1204434	7	539700	6988972	9/13/2011					0						
1202196	7	539729	6988931	9/13/2011					0						
1202197	7	539760	6988892	9/13/2011					0						
1202198	7	539789	6988852	9/13/2011					0						
1202292	7	539820	6988812	9/13/2011					0						
1201283	7	539849	6988771	9/13/2011					0						
1201284	7	539880	6988731	9/13/2011					0						
1201285	7	539909	6988691	9/13/2011					0						
1201460	7	539940	6988651	9/13/2011					0						
1201286	7	539968	6988611	9/13/2011					0						
1201287	7	539968	6988611	9/13/2011					0						
1176626	7	540691	6989149	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky Sample
1176627	7	540662	6989187	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1176628	7	540632	6989228	9/13/2011	Dark Blue Black	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Poor	Fine	Rocky Terrain
1168501	7	540602	6989267	9/13/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Willows	Sphagnum Moss < 30cm	Poor	Coarse	Possible Creek Contamination
1168502	7	540572	6989308	9/13/2011	Grey	Sand	Damp	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Excellent	Coarse	Sandy
1168503	7	540543	6989349	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168504	7	540508	6989387	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168505	7	540482	6989428	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1168506	7	540452	6989469	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168507	7	540423	6989508	9/13/2011	Dark Grey Black	Silt	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168508	7	540392	6989549	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168509	7	540363	6989589	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168510	7	540334	6989629	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	70 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1168511	7	540302	6989669	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Poor	Fine	Rocky Terrain
1168512	7	540273	6989709	9/13/2011	Reddish Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168513	7	540243	6989749	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Burnt Moss	Good	Coarse	Rocky Terrain
1168514	7	540214	6989788	9/13/2011	Light Brown	Sand	Dry	Subtle Slope	60 C		Dwarf Birch	Bare Soil	Excellent	Coarse	Rocky
1168515	7	540183	6989828	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Dwarf Birch	Bare Soil	Good	Coarse	Rocky Terrain
1168516	7	540154	6989869	9/13/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Old Burn	Sphagnum Moss < 30cm	Good	Coarse	
1168517	7	540123	6989909	9/13/2011	Chocolate Brown	Silt	Damp	Subtle Slope	70 B		Black Spruce	Reindeer Moss	Good	Coarse	
1168518	7	540094	6989948	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1168519	7	540065	6989989	9/13/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Black Spruce	Reindeer Moss	Good	Coarse	
1168520	7	540034	6990029	9/13/2011	Dark Blue Black	Silt	Damp	Subtle Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1168521	7	540004	6990070	9/13/2011	Dark Blue Black	Silt	Damp	Subtle Slope	60 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1168522	7	539975	6990108	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 B		Birch Forest	Leaf Cover	Poor	Coarse	Possible Creek Contamination
1168523	7	539945	6990149	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Birch Forest	Thin Moss Cover	Good	Coarse	Rocky Terrain
1168524	7	539914	6990190	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Grass Cover	Excellent	Coarse	Rocky
1168525	7	539884	6990231	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	80 C		Birch Forest	Grass Cover	Excellent	Coarse	Rocky Sample
1168526	7	539854	6990271	9/13/2011	Dark Blue Black	Sand	Damp	Subtle Slope	80 B		Birch Forest	Grass Cover	Good	Coarse	Rocky Sample
1168527	7	539823	6990311	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168528	7	539795	6990351	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Poor	Fine	Rocky Terrain
1171852	7	541011	6989388	9/13/2011	Dark Grey Black	Silt	Damp	Pronounced Slope	40 B		Alder	Leaf Cover	Poor	Fine	
1171853	7	540983	6989426	9/13/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		White Spruce	Leaf Cover	Good	Fine	
1171854	7	540952	6989467	9/13/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		Alder	Leaf Cover	Good	Fine	
1171855	7	540922	6989507	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Bare Soil	Good	Coarse	
1171856	7	540893	6989547	9/13/2011	Grey	Silt	Damp	Pronounced Slope	50 B		Birch Forest	Bare Soil	Good	Coarse	
1171857	7	540863	6989587	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Bare Soil	Good	Fine	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1171858	7	540832	6989628	9/13/2011	Dark Grey Black	Silt	Damp	Pronounced Slope	50 B		Birch Forest	Grass Cover	Poor	Fine	Organic 10%
1171859	7	540803	6989667	9/13/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1171860	7	540773	6989708	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky
1171861	7	540743	6989749	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Organic 10%	Rocky
1171862	7	540713	6989788	9/13/2011	Dark Grey Black	Silt	Damp	Pronounced Slope	50 B		Birch Forest	Leaf Cover	Good	Rocky	
1171863	7	540684	6989829	9/13/2011	Grey	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Bare Soil	Good	Rocky	
1171864	7	540654	6989868	9/13/2011	Grey	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Rocky
1171865	7	540623	6989909	9/13/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky
1171866	7	540593	6989949	9/13/2011	Grey	Silt	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Poor	Frozen	Rocky Terrain
1171867	7	540563	6989988	9/13/2011	Grey	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	
1171868	7	540534	6990028	9/13/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	
1171869	7	540503	6990068	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 C		Dwarf Birch	Bare Soil	Good	Coarse	Rocky
1171870	7	540474	6990108	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Dwarf Birch	Bare Soil	Good	Fine	Rocky
1171871	7	540444	6990148	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Grass Cover	Good	Rocky	
1171851	7	540415	6990189	9/13/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Dwarf Birch	Grass Cover	Good	Coarse	Rocky
1171872	7	540384	6990228	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Dwarf Birch	Bare Soil	Good	Rocky	
1171873	7	540354	6990269	9/13/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Dwarf Birch	Bare Soil	Good	Fine	Rocky Terrain
1171874	7	540325	6990309	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Birch Forest	Grass Cover	Good	Coarse	Rocky Terrain
1171875	7	540294	6990349	9/13/2011	Grey	Silt	Damp	Subtle Slope	40 B		Dwarf Birch	Bare Soil	Good	Coarse	Rocky Terrain
1171876	7	540264	6990389	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	60 C		Dwarf Birch	Bare Soil	Good	Rocky	
1171877	7	540235	6990431	9/13/2011	Chocolate Brown	Silt	Damp	Subtle Slope	50 B		Birch Forest	Bare Soil	Good	Coarse	Rocky Terrain
1171878	7	540204	6990470	9/13/2011	Dark Grey Black	Silt	Damp	Subtle Slope	70 B		Birch Forest	Grass Cover	Poor	Organic 10%	Rocky Terrain
1171879	7	540175	6990510	9/13/2011	Grey	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Grass Cover	Good	Fine	Organic 10%
1171880	7	540145	6990550	9/13/2011	Dark Grey Black	Silt	Dry	Pronounced Slope	30 B		Birch Forest	Leaf Cover	Poor	Organic 25%	Fine
1171881	7	540115	6990591	9/13/2011	Dark Grey Black	Silt	Damp	Subtle Slope	60 B		Alder	Bare Soil	Poor	Organic 10%	Possible Creek Contamination
1201380	7	538993	6989753	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1201381	7	539022	6989714	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Black Spruce	Thin Moss Cover	Good	Coarse	Rocky Terrain
1201382	7	539052	6989675	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Birch Forest	Thin Moss Cover	Good	Coarse	Rocky Terrain
1202284	7	539083	6989635	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1202286	7	539112	6989593	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1174551	7	539112	6989593	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	70 C		White Spruce	Sphagnum Moss < 30cm	Good	Rocky Terrain	Fine
1174552	7	539142	6989553	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Rocky Terrain	Fine
1174553	7	539172	6989514	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 B		White Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1174554	7	539201	6989474	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Rocky Terrain
1174555	7	539232	6989433	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Rocky Terrain
1174556	7	539262	6989394	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1174558	7	539291	6989353	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		Birch Forest	Thin Moss Cover	Good	Rocky Terrain	Sandy
1174557	7	539321	6989312	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1174559	7	539321	6989312	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1174560	7	539352	6989273	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	Rusty Rock Chip
1174561	7	539380	6989233	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1174562	7	539411	6989193	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1174563	7	539440	6989153	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Thin Moss Cover	Good	Rocky Terrain	Sandy
1174564	7	539469	6989113	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1174565	7	539499	6989072	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	70 B		Birch Forest	Grass Cover	Poor	Organic 50%	Rocky Terrain
1174566	7	539530	6989032	9/13/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1174567	7	539559	6988991	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1174568	7	539589	6988952	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 B		Poplar	Leaf Cover	Good	Fine	Rocky Terrain
1174569	7	539620	6988912	9/13/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 B		White Spruce	Leaf Cover	Good	Fine	Rocky Terrain
1174570	7	539649	6988872	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 B		Poplar	Leaf Cover	Good	Coarse	Sandy
1174571	7	539649	6988872	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 B		Poplar	Leaf Cover	Good	Sandy	Coarse
1174572	7	539649	6988872	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 B		Poplar	Leaf Cover	Good	Coarse	Sandy
1174573	7	539680	6988833	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 B		White Spruce	Grass Cover	Good	Fine	Rocky Terrain
1174574	7	539710	6988792	9/13/2011	Dark Brown	Sand	Damp	Pronounced Slope	50 B		White Spruce	Grass Cover	Good	Fine	Rocky Terrain
1174575	7	539740	6988752	9/13/2011	Grey	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1174576	7	539769	6988712	9/13/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 B		Poplar	Leaf Cover	Good	Fine	Rocky Terrain
1174577	7	539800	6988672	9/13/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Possible Creek Contamination
1174578	7	539830	6988631	9/13/2011	Dark Brown	Sand	Wet	Pronounced Slope	50 B		White Spruce	Grass Cover	Poor	Partially Frozen	Organic 50%
1174579	7	539859	6988591	9/13/2011	Dark Brown	Sand	Wet	Pronounced Slope	50 B		Alders	Grass Cover	Good	Coarse	Rocky Terrain
1174580	7	539889	6988551	9/13/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	50 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1202149	7	539554	6990172	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Alders	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1202150	7	539584	6990132	9/14/2011	Reddish Brown	Silt	Dry	Subtle Slope	30 B		Poplar	Leaf Cover	Good	Coarse	Rocky Terrain
1219642	7	539613	6990091	9/14/2011	Dark Grey Black	Silt	Damp	Flat	30 B		Willows	Sphagnum Moss < 30cm	Good	Fine	Possible Creek Contamination
1219643	7	539643	6990052	9/14/2011	Dark Brown	Silt	Damp	Subtle Slope	30 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Frozen	Organic 25%
1219644	7	539673	6990011	9/14/2011	Dark Brown	Silt	Damp	Subtle Slope	20 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Frozen	Organic 25%
1219645	7	539703	6989971	9/14/2011	Dark Brown	Silt	Damp	Pronounced Slope	20 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Frozen	Organic 25%
1219646	7	539733	6989931	9/14/2011	Dark Brown	Silt	Damp	Subtle Slope	50 B		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Partially Frozen
1219647	7	539763	6989891	9/14/2011	Dark Brown	Sand	Damp	Subtle Slope	30 B		Black Spruce	Sphagnum Moss < 30cm	Good	Partially Frozen	Rusty Rock Chip
1219648	7	539793	6989851	9/14/2011	Dark Brown	Silt	Damp	Subtle Slope	30 B		Black Spruce	Sphagnum Moss < 30cm	Good	Frozen	Fine
1219649	7	539823	6989811	9/14/2011	Reddish Brown	Silt	Dry	Subtle Slope	30 B		Black Spruce	Bare Soil	Good	Coarse	Rocky Terrain
1219650	7	539854	6989769	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Thin Moss Cover	Good	Coarse	Sandy

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1219653	7	539883	6989731	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Alders	Thin Moss Cover	Good	Fine	Rocky Terrain
1219654	7	539913	6989690	9/14/2011	Chocolate Brown	Silt	Damp	Subtle Slope	40 B		White Spruce	Sphagnum Moss < 30cm	Good	Coarse	Clay
1219655	7	539943	6989649	9/14/2011	Reddish Yellow	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Clay
1219656	7	539973	6989609	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1219657	7	540002	6989571	9/14/2011	Dark Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1219658	7	540032	6989532	9/14/2011	Reddish Brown	Silt	Dry	Subtle Slope	30 B		Black Spruce	Leaf Cover	Poor	Fine	Rocky Terrain
1219659	7	540061	6989491	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Rocky Terrain
1219660	7	540091	6989452	9/14/2011	Reddish Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Leaf Cover	Good	Fine	Rocky Terrain
1219661	7	540122	6989411	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1219662	7	540151	6989370	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Black Spruce	Leaf Cover	Good	Fine	Rocky Terrain
1219663	7	540181	6989330	9/14/2011	Reddish Brown	Sand	Dry	Subtle Slope	90 C		Black Spruce	Leaf Cover	Excellent	Fine	Sandy
1219664	7	540181	6989330	9/14/2011	Reddish Brown	Sand	Dry	Subtle Slope	90 C		Black Spruce	Leaf Cover	Excellent	Fine	Sandy
1219665	7	540181	6989330	9/14/2011	Reddish Brown	Sand	Dry	Subtle Slope	90 C		Black Spruce	Leaf Cover	Excellent	Fine	Sandy
1219666	7	540211	6989290	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Thin Moss Cover	Excellent	Coarse	Rocky
1219667	7	540242	6989248	9/14/2011	Dark Brown	Sand	Dry	Pronounced Slope	50 C		Black Spruce	Leaf Cover	Excellent	Coarse	Rocky
1219668	7	540271	6989210	9/14/2011	Dark Brown	Silt	Dry	Subtle Slope	60 C		Birch Forest	Leaf Cover	Excellent	Coarse	Rocky
1219669	7	540300	6989170	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1219670	7	540331	6989129	9/14/2011	Reddish Brown	Sand	Dry	Subtle Slope	60 C		Black Spruce	Thin Moss Cover	Excellent	Coarse	Rocky
1219671	7	540360	6989091	9/14/2011	Dark Brown	Sand	Dry	Subtle Slope	50 C		White Spruce	Leaf Cover	Good	Fine	Rocky
1219672	7	540390	6989049	9/14/2011	Dark Grey Black	Silt	Damp	Subtle Slope	30 B		Black Spruce	Sphagnum Moss < 30cm	Good	Partially Frozen	Coarse
1219673	7	540420	6989009	9/14/2011	Light Brown	Sand	Damp	Subtle Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky
1219674	7	540451	6988969	9/14/2011	Light Brown	Silt	Damp	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Fine	Clay
1219608	7	539314	6989992	9/14/2011	Dark Brown	Sand	Damp	Steep	50 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Partially Frozen	Organic 25%
1219609	7	539343	6989953	9/14/2011	Dark Brown	Silt	Damp	Steep	80 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 10%	Partially Frozen
1219610	7	539373	6989913	9/14/2011	Dark Brown	Silt	Damp	Steep	70 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Partially Frozen
1219611	7	539403	6989873	9/14/2011	Dark Brown	Silt	Damp	Steep	50 B		No Tree Cover	Sphagnum Moss > 30cm	Poor	Organic 25%	Partially Frozen
1219612	7	539433	6989832	9/14/2011	Dark Brown	Sand	Damp	Pronounced Slope	80 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Partially Frozen	Organic 25%
1219613	7	539462	6989793	9/14/2011	Dark Brown	Silt	Damp	Pronounced Slope	50 B		Buckbrush	Sphagnum Moss > 30cm	Poor	Organic 25%	Partially Frozen
1219614	7	539493	6989752	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 C		Dwarf Birch	Sphagnum Moss > 30cm	Good	Coarse	Rocky
1219615	7	539522	6989713	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Black Spruce	Sphagnum Moss > 30cm	Excellent	Bright Orange Rust	Rusty Rock Chip
1219616	7	539522	6989713	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	50 C		Black Spruce	Sphagnum Moss > 30cm	Excellent	Bright Orange Rust	Rusty Rock Chip
1219617	7	539552	6989673	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Black Spruce	Leaf Cover	Good	Fine	
1219618	7	539583	6989632	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Black Spruce	Leaf Cover	Poor	Fine	Organic 25%
1219619	7	539613	6989591	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Fine	
1219620	7	539641	6989552	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 C		Poplar	Sphagnum Moss > 30cm	Good	Bright Orange Rust	Rusty Rock Chip
1219621	7	539673	6989511	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Bright Orange Rust	Fine
1219622	7	539703	6989472	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 C		Poplar	Leaf Cover	Good	Bright Orange Rust	Fine
1219623	7	539731	6989432	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Bright Orange Rust	Fine
1219624	7	539762	6989391	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 C		Poplar	Leaf Cover	Good	Fine	Rocky
1219625	7	539791	6989351	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Poplar	Leaf Cover	Good	Bright Orange Rust	Quartz Chips
1219626	7	539821	6989311	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Rusty Rock Chip	Fine
1219627	7	539851	6989272	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Poplar	Leaf Cover	Good	Bright Orange Rust	Fine
1219628	7	539880	6989232	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Good	Fine	Rusty Rock Chip
1219629	7	539911	6989192	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	
1219630	7	539940	6989151	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Bright Orange Rust
1219631	7	539971	6989110	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 C		Birch Forest	Leaf Cover	Good	Rusty Rock Chip	Fine
1219632	7	540001	6989072	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 C		Birch Forest	Leaf Cover	Good	Bright Orange Rust	Fine
1219633	7	540031	6989030	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	
1219634	7	540060	6988990	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Rocky
1219635	7	540091	6988950	9/14/2011	Chocolate Brown	Sand	Dry	Steep	50 C		Birch Forest	Leaf Cover	Good	Organic 10%	Fine
1219636	7	540121	6988910	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 C		Birch Forest	Leaf Cover	Good	Fine	Quartz Chips
1219637	7	540150	6988870	9/14/2011	Chocolate Brown	Sand	Damp	Steep	70 C		Willows	Grass Cover	Excellent	Coarse	Quartz Chips
1219638	7	540180	6988830	9/14/2011	Chocolate Brown	Silt	Damp	Subtle Slope	80 C		Willows	Grass Cover	Good	Possible Creek Contamination	Quartz Chips
1219639	7	540210	6988790	9/14/2011	Dark Brown	Silt	Damp	Steep	60 B		Willows	Leaf Cover	Poor	Organic 25%	
1170072	7	540414	6989689	9/14/2011	Light Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Rocky Terrain	Bright Orange Rust
1170073	7	540442	6989650	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170074	7	540472	6989609	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170075	7	540502	6989570	9/14/2011	Chocolate Brown	Sand	Dry	Steep	60 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	Quartz Chips
1170076	7	540502	6989570	9/14/2011	Chocolate Brown	Sand	Dry	Steep	60 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	Quartz Chips
1170077	7	540531	6989530	9/14/2011	Chocolate Brown	Sand	Dry	Steep	70 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	Quartz Chips
1170078	7	540560	6989488	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	40 B		Birch Forest	Grass Cover	Good	Rocky Terrain	
1170079	7	540592	6989448	9/14/2011	Grey	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	Quartz Chips
1170080	7	540621	6989408	9/14/2011	Grey	Sand	Dry	Pronounced Slope	60 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Rocky Terrain	
1170081	7	540652	6989368	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	Bright Orange Rust
1170082	7	540681	6989328	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	70 C		Birch Forest	Leaf Cover	Excellent	Rocky Terrain	
1170083	7	540712	6989290	9/14/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	50 B		Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170084	7	540740	6989248	9/14/2011	Chocolate Brown	Sand	Damp	Steep	50 C		Birch Forest	Sphagnum Moss < 30cm	Excellent	Rocky Terrain	
1170085	7	540771	6989208	9/14/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	40 C		Black Spruce	Sphagnum Moss < 30cm	Excellent	Rocky Terrain	
1170086	7	540610	6989089	9/14/2011	Grey	Sand	Damp	Pronounced Slope	50 C		Birch Forest	Grass Cover	Excellent	Rocky Terrain	
1170087	7	540581	6989128	9/14/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	40 C		Birch Forest	Needle Cover	Good	Rocky Terrain	
1170088	7	540552	6989169	9/14/2011	Dark Grey Black	Sand	Damp	Pronounced Slope	60 B		Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1170089	7	540520	6989208	9/14/2011	Grey	Sand	Damp	Subtle Slope	40	C	Birch Forest	Grass Cover	Good	Fine	
1170090	7	540492	6989248	9/14/2011	Dark Grey Black	Sand	Damp	Subtle Slope	40	B	Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	
1170091	7	540460	6989288	9/14/2011	Chocolate Brown	Sand	Dry	Steep	80	C	Birch Forest	Sphagnum Moss < 30cm	Excellent	Quartz Chips	
1170092	7	540460	6989288	9/14/2011	Chocolate Brown	Sand	Dry	Steep	80	C	Birch Forest	Sphagnum Moss < 30cm	Excellent	Quartz Chips	
1170093	7	540430	6989328	9/14/2011	Light Brown	Sand	Dry	Pronounced Slope	50	C	Birch Forest	Sphagnum Moss < 30cm	Excellent	Rocky Terrain	Quartz Chips
1170094	7	540401	6989369	9/14/2011	Chocolate Brown	Sand	Dry	Steep	50	C	Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	
1170095	7	540372	6989410	9/14/2011	Chocolate Brown	Sand	Dry	Steep	40	C	Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	
1170096	7	540342	6989449	9/14/2011	Dark Brown	Sand	Dry	Pronounced Slope	40	C	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170097	7	540312	6989490	9/14/2011	Dark Brown	Sand	Dry	Pronounced Slope	50	C	Birch Forest	Leaf Cover	Good	Rocky Terrain	
1170098	7	540282	6989531	9/14/2011	Dark Brown	Sand	Damp	Pronounced Slope	40	C	Birch Forest	Leaf Cover	Excellent	Rocky Terrain	
1170099	7	540252	6989569	9/14/2011	Light Brown	Sand	Dry	Pronounced Slope	40	C	Birch Forest	Leaf Cover	Excellent	Rocky Terrain	
1202249	7	539634	6990232	9/14/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	30	B	White Spruce	Bare Soil	Good	Rocky Sample	Rocky Terrain
1202250	7	539663	6990192	9/14/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	50	C	Poplar	Grass Cover	Excellent	Coarse	Rocky
1202122	7	539694	6990151	9/14/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	70	C	Poplar	Grass Cover	Excellent	Rocky Sample	Coarse
1202123	7	539694	6990151	9/14/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	70	C	Poplar	Grass Cover	Excellent	Rocky	Coarse
1202124	7	539724	6990112	9/14/2011	Dark Brown	Clay	Wet	Pronounced Slope	60	C	No Tree Cover	Sphagnum Moss < 30cm	Excellent	Coarse	Mud
1202125	7	539753	6990071	9/14/2011	Dark Grey Black	Clay	Wet	Pronounced Slope	50	C	No Tree Cover	Sphagnum Moss < 30cm	Excellent	Rocky	Mud
1202126	7	539784	6990031	9/14/2011	Dark Grey Black	Clay	Damp	Pronounced Slope	50	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Mud	Fine
1202127	7	539814	6989991	9/14/2011	Dark Grey Black	Clay	Damp	Pronounced Slope	50	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Partially Frozen	Mud
1202128	7	539843	6989951	9/14/2011	Dark Grey Black	Clay	Wet	Pronounced Slope	70	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Mud	Fine
1202129	7	539873	6989911	9/14/2011	Dark Grey Black	Clay	Damp	Pronounced Slope	60	B	No Tree Cover	Sphagnum Moss < 30cm	Good	Mud	Fine
1202130	7	539904	6989871	9/14/2011	Dark Grey Black	Clay	Damp	Pronounced Slope	60	B	Black Spruce	Sphagnum Moss < 30cm	Good	Fine	Mud
1202131	7	539934	6989830	9/14/2011	Chocolate Brown	Clay	Wet	Pronounced Slope	60	B	Old Burn	Burnt Moss	Good	Mud	Rocky
1219652	7	539963	6989790	9/14/2011	Chocolate Brown	Clay	Damp	Subtle Slope	50	C	Old Burn	Burnt Moss	Excellent	Mud	Rusty Rock Chip
1219651	7	539994	6989749	9/14/2011	Chocolate Brown	Clay	Damp	Subtle Slope	40	C	Old Burn	Burnt Moss	Excellent	Rocky	Fine
1202138	7	540022	6989709	9/14/2011	Chocolate Brown	Clay	Damp	Subtle Slope	30	C	Old Burn	Bare Soil	Excellent	Rocky	Clay
1202139	7	540053	6989670	9/14/2011	Chocolate Brown	Clay	Damp	Subtle Slope	40	C	Dwarf Birch	Burnt Moss	Excellent	Rocky	Clay
1202140	7	540083	6989631	9/14/2011	Dark Brown	Clay	Dry	Subtle Slope	50	C	White Spruce	Thin Moss Cover	Excellent	Rocky	Fine
1202141	7	540111	6989589	9/14/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	40	B	White Spruce	Leaf Cover	Good	Rocky Terrain	Fine
1202142	7	540141	6989550	9/14/2011	Chocolate Brown	Clay	Damp	Pronounced Slope	40	C	White Spruce	Leaf Cover	Excellent	Rocky	Fine
1202143	7	540173	6989511	9/14/2011	Dark Brown	Clay	Dry	Pronounced Slope	50	C	White Spruce	Leaf Cover	Excellent	Fine	Rocky
1202144	7	540203	6989471	9/14/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	50	C	White Spruce	Thin Moss Cover	Excellent	Fine	Rocky
1202145	7	540232	6989430	9/14/2011	Chocolate Brown	Clay	Dry	Subtle Slope	40	C	Pine	Leaf Cover	Excellent	Fine	Rocky
1202146	7	540261	6989389	9/14/2011	Dark Brown	Clay	Damp	Subtle Slope	60	C	Dwarf Birch	Leaf Cover	Excellent	Fine	Rocky
1202147	7	540292	6989350	9/14/2011	Chocolate Brown	Clay	Dry	Subtle Slope	70	C	Alders	Leaf Cover	Excellent	Fine	Rocky
1202148	7	540320	6989309	9/14/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	40	C	White Spruce	Thin Moss Cover	Excellent	Coarse	Rocky
1219581	7	540351	6989269	9/14/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	50	C	White Spruce	Grass Cover	Excellent	Coarse	Rocky
1219582	7	540382	6989229	9/14/2011	Dark Brown	Clay	Dry	Pronounced Slope	60	C	White Spruce	Thin Moss Cover	Excellent	Fine	
1219583	7	540382	6989229	9/14/2011	Dark Brown	Clay	Dry	Pronounced Slope	60	C	White Spruce	Thin Moss Cover	Excellent	Fine	
1219584	7	540412	6989190	9/14/2011	Dark Brown	Clay	Dry	Subtle Slope	50	C	Birch Forest	Thin Moss Cover	Excellent	Coarse	Rocky
1219585	7	540441	6989149	9/14/2011	Dark Grey Black	Clay	Damp	Pronounced Slope	50	C	Alders	Leaf Cover	Excellent	Coarse	Rocky
1219586	7	540472	6989108	9/14/2011	Chocolate Brown	Clay	Wet	Subtle Slope	50	C	White Spruce	Sphagnum Moss < 30cm	Excellent	Coarse	Mud
1219587	7	540501	6989069	9/14/2011	Chocolate Brown	Clay	Dry	Pronounced Slope	50	C	Dwarf Birch	Sphagnum Moss < 30cm	Excellent	Coarse	Rocky
1219588	7	540531	6989029	9/14/2011	Dark Grey Black	Clay	Wet	Pronounced Slope	40	B	Alders	Sphagnum Moss < 30cm	Good	Mud	Partially Frozen
1201288	7	539474	6990113	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30	B	Black Spruce	Leaf Cover	Good	Coarse	Talus
1201289	7	539504	6990073	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	80	C	Black Spruce	Thin Moss Cover	Good	Coarse	
1201290	7	539533	6990033	9/14/2011	Dark Brown	Silt	Damp	Pronounced Slope	60	B	Buckbrush	Sphagnum Moss < 30cm	Poor	Coarse	Organic 10%
1201457	7	539564	6989993	9/14/2011	Dark Brown	Silt	Damp	Pronounced Slope	60	B	Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1201458	7	539593	6989953	9/14/2011	Grey	Silt	Damp	Pronounced Slope	50	B	Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1201459	7	539623	6989912	9/14/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	90	B	Buckbrush	Sphagnum Moss < 30cm	Good	Coarse	
1219551	7	539653	6989872	9/14/2011	Dark Brown	Silt	Damp	Pronounced Slope	40	B	Buckbrush	Sphagnum Moss < 30cm	Poor	Organic 10%	Talus
1219552	7	539684	6989833	9/14/2011	Grey	Silt	Damp	Pronounced Slope	50	B	Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Talus
1219553	7	539713	6989792	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30	B	Buckbrush	Sphagnum Moss > 30cm	Good	Coarse	Rocky Terrain
1219554	7	539743	6989752	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30	B	Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1219555	7	539773	6989711	9/14/2011	Chocolate Brown	Silt	Dry	Flat	40	B	Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1219556	7	539804	6989670	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40	B	Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1219557	7	539833	6989631	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50	B	Black Spruce	Leaf Cover	Good	Coarse	
1219558	7	539862	6989591	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Coarse	
1219559	7	539892	6989550	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Coarse	
1219560	7	539921	6989511	9/14/2011	Grey	Silt	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Coarse	
1219561	7	539951	6989471	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30	B	Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1219562	7	539982	6989431	9/14/2011	Light Brown	Silt	Dry	Pronounced Slope	30	B	Black Spruce	Leaf Cover	Good	Coarse	Rocky Terrain
1219563	7	540010	6989391	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30	B	Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1219564	7	540041	6989351	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40	B	White Spruce	Leaf Cover	Good	Coarse	
1219565	7	540070	6989310	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1219566	7	540101	6989271	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50	B	Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	
1219567	7	540131	6989230	9/14/2011	Grey	Silt	Dry	Pronounced Slope	50	B	Birch Forest	Leaf Cover	Good	Coarse	
1219568	7	540161	6989191	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	80	C	Black Spruce	Sphagnum Moss < 30cm	Good	Fine	
1219569	7	540161	6989191	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	80	C	Black Spruce	Sphagnum Moss < 30cm	Good	Fine	
1219570	7	540190	6989150	9/14/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	50	B	White Spruce	Leaf Cover	Good	Coarse	
1219571	7	540221	6989110	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40	B	Birch Forest	Leaf Cover	Good	Coarse	

Sample ID	UTM Zone	UTM Easting	UTM Northing	Sample Date	Soil Colour	Soil Texture	Soil Moisture	Site Slope	Sample Depth	Sample Horizon	Site Vegetation	Site Cover	Sample Quality	Note1	Note2
1219572	7	540251	6989070	9/14/2011	Chocolate Brown	Silt	Damp	Pronounced Slope	90 B		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1219573	7	540282	6989028	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		White Spruce	Leaf Cover	Good	Coarse	
1219574	7	540311	6988990	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 C		Birch Forest	Bare Soil	Good	Coarse	
1219575	7	540339	6988950	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 C		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Possible Creek Contamination
1219576	7	540370	6988910	9/14/2011	Chocolate Brown	Sand	Damp	Pronounced Slope	50 C		Black Spruce	Sphagnum Moss < 30cm	Good	Coarse	
1168529	7	540734	6989928	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	30 B		Birch Forest	Leaf Cover	Poor	Fine	Rocky Terrain
1168530	7	540764	6989887	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Thin Moss Cover	Poor	Fine	Rocky Terrain
1168531	7	540793	6989848	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168801	7	540823	6989808	9/14/2011	Dark Brown	Silt	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168802	7	540853	6989767	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168803	7	540883	6989728	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168804	7	540912	6989689	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168805	7	540944	6989646	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	70 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1168806	7	540944	6989646	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	70 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1168807	7	540974	6989606	9/14/2011	Dark Brown	Silt	Dry	Pronounced Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168808	7	541002	6989568	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1168809	7	541032	6989526	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	90 C		Birch Forest	Leaf Cover	Excellent	Coarse	
1168810	7	541032	6989526	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	80 C		Birch Forest	Leaf Cover	Excellent	Coarse	
1168811	7	541063	6989485	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1168812	7	541092	6989447	9/14/2011	Chocolate Brown	Silt	Damp	Subtle Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168813	7	540931	6989326	9/14/2011	Dark Brown	Silt	Damp	Subtle Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1168814	7	540902	6989365	9/14/2011	Dark Brown	Silt	Dry	Subtle Slope	70 B		Alder	Leaf Cover	Good	Coarse	Rocky
1168815	7	540872	6989406	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168816	7	540843	6989446	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	
1168817	7	540810	6989487	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168818	7	540782	6989527	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168819	7	540753	6989567	9/14/2011	Dark Brown	Silt	Damp	Subtle Slope	50 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky
1168820	7	540722	6989608	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168821	7	540692	6989649	9/14/2011	Light Brown	Silt	Dry	Subtle Slope	60 B		Birch Forest	Leaf Cover	Good	Coarse	Rocky Terrain
1168822	7	540663	6989687	9/14/2011	Dark Brown	Silt	Dry	Subtle Slope	50 B		Birch Forest	Leaf Cover	Poor	Fine	Rocky Terrain
1168823	7	540633	6989728	9/14/2011	Chocolate Brown	Sand	Dry	Steep	70 C		Poplar	Thin Moss Cover	Excellent	Coarse	
1168824	7	540604	6989767	9/14/2011	Chocolate Brown	Silt	Dry	Subtle Slope	40 B		Birch Forest	Leaf Cover	Poor	Fine	Rocky Terrain
1168825	7	540573	6989808	9/14/2011	Chocolate Brown	Silt	Dry	Pronounced Slope	30 B		Birch Forest	Leaf Cover	Poor	Fine	Rocky Terrain
1174581	7	539394	6990052	9/14/2011	Chocolate Brown	Sand	Damp	Flat	80 B		Willows	Thin Moss Cover	Good	Coarse	Possible Creek Contamination
1174582	7	539422	6990012	9/14/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Partially Frozen	Organic 50%
1174583	7	539453	6989972	9/14/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Partially Frozen	Organic 50%
1174584	7	539483	6989932	9/14/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	80 B		No Tree Cover	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 10%
1174585	7	539512	6989892	9/14/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain
1174586	7	539542	6989852	9/14/2011	Dark Brown	Sand	Wet	Pronounced Slope	50 B		No Tree Cover	Sphagnum Moss < 30cm	Good	Partially Frozen	Rocky Sample
1174587	7	539573	6989812	9/14/2011	Dark Brown	Sand	Wet	Pronounced Slope	50 B		Dwarf Birch	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1174588	7	539603	6989771	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	20 B		Birch Forest	Sphagnum Moss < 30cm	Poor	Rocky Terrain	Organic 10%
1174589	7	539632	6989731	9/14/2011	Chocolate Brown	Sand	Damp	Flat	20 B		Birch Forest	Sphagnum Moss < 30cm	Good	Rocky Terrain	Rocky Sample
1174590	7	539663	6989692	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1174591	7	539692	6989651	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1174592	7	539722	6989611	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1174593	7	539753	6989571	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	20 B		Birch Forest	Thin Moss Cover	Good	Rocky Terrain	Rocky Sample
1174594	7	539782	6989531	9/14/2011	Chocolate Brown	Sand	Damp	Subtle Slope	30 B		White Spruce	Sphagnum Moss < 30cm	Good	Rocky Terrain	Rusty Rock Chip
1219501	7	539812	6989490	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Thin Moss Cover	Good	Rocky Terrain	Rusty Rock Chip
1219502	7	539842	6989452	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	40 B		Birch Forest	Thin Moss Cover	Good	Rocky Terrain	Rocky Sample
1219503	7	539871	6989412	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1219504	7	539901	6989371	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1219505	7	539932	6989332	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	60 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1219506	7	539963	6989292	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1219507	7	539991	6989250	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1219508	7	540022	6989210	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1219509	7	540052	6989171	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	30 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1219510	7	540080	6989129	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1219511	7	540110	6989090	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	40 B		Birch Forest	Thin Moss Cover	Good	Fine	Rocky Terrain
1219512	7	540140	6989049	9/14/2011	Chocolate Brown	Sand	Dry	Subtle Slope	50 B		Birch Forest	Grass Cover	Good	Fine	Rocky Terrain
1219513	7	540171	6989010	9/14/2011	Light Brown	Sand	Dry	Pronounced Slope	60 B		Poplar	Leaf Cover	Good	Fine	Outcrop Nearby
1219514	7	540201	6988969	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	30 B		White Spruce	Thin Moss Cover	Good	Fine	Rocky Terrain
1219515	7	540230	6988929	9/14/2011	Chocolate Brown	Sand	Dry	Pronounced Slope	50 B		Poplar	Sphagnum Moss < 30cm	Good	Fine	Rocky Terrain
1219516	7	540260	6988889	9/14/2011	Chocolate Brown	Sand	Wet	Subtle Slope	30 B		Willows	Sphagnum Moss < 30cm	Good	Fine	Possible Creek Contamination
1219517	7	540290	6988849	9/14/2011	Chocolate Brown	Sand	Wet	Pronounced Slope	60 B		Birch Forest	Sphagnum Moss < 30cm	Good	Coarse	Rocky Terrain

Sample ID	Zone	Easting	Northing	Altitude (m)	Sample Description	Sample Type	Date
580525	7	542807	6991682	1378	Int volcanic, fractured, hfelsed, weak lim, weak-mod sil alt, <1% Cpy, 2% Po	Tr push, SCGr	6/12/2011
580526	7	542774	6992131	1244	F. Por Int flow, 3% Qz +/- Py-Cpy-Mo veins, weak silica, lim alt, <1% Cpy, tr Bor, Mo	Tr push, SCGr	6/12/2011
580527	7	542063	6992356	1297	Sed gneiss, veined, tan, weak-mod sil, Arg, weak Phy alt, <1% Py	Rcrop - CV; CGr	6/12/2011
580528	7	542062	6992366	1301	Granite gneiss (?), Qz veins, weak - mod sil, weak Arg alt, tr pyrite	Rcrop - CV; CGr	6/12/2011
580529	7	541995	6992389	1327	Int volcanic, fractured, hfelsed, mod lim, strong-mod sil alt, hfels, <1% Py, tr Cpy	CV, SCGr	6/12/2011
1111036	7	542584	6991622	1400	F. gr RhyDac wk siliceous w/ veins. FeOx, Wk (1%) Bio, +/- K Alt'n	FL	6/12/2011
1111037	7	542522	6991633	1375	Qtz-Monz? Porphyry?	SC	6/12/2011
1111038	7	542471	6991598	1349	Med-Gr Rusty Qtz Monz w/ Bio Alt'n, 15% diss pyr, Lim – Porphyritic	SC	6/12/2011
1111039	7	542459	6991592	1345	Med-Gr QFP (Qmd?) w/ 5% diss pyr, 15% diss&blebby mag, tr diss cpy, lim/FeOx, Late Stg Qtz – Porphyritic	SC	6/12/2011
1111040	7	542414	6991626	1332	Med-Gr K-Alt Qmd w/ 1-3% diss pyr, x-cut by Qtz Veins, Wk. Bio Alt'n.	SC	6/12/2011
1111041	7	541471	6991141	1121	Med-Gr Monz, K-pheric w/ minor epi, hem, diss pyr, Silicate (pyrox?) 1-2mm	SC	6/12/2011
1111109	7	542834	6991642	1406	rusty, fine grained quartzite with trace py	SC	6/12/2011
1111110	7	542802	6991910	1296	Andesite with ~2-3% po and trace cpy. Chloritised and silicified	SC	6/12/2011
1111111	7	542084	6992321	1290	oxidized felsic coarse grained intrusive (quartz monzonite?), trace py	SC	6/12/2011
1111112	7	542050	6992339	1303	rusty, vuggy quartz vein with trace moly and late stage quartz stringers	SC	6/12/2011
1111113	7	542021	6992382	1323	Andesite with ~3% po+py and trace cpy in veinlets and disseminated. Chloritised and silicified	SC	6/12/2011
1111114	7	541972	6992414	1343	Andesite with ~5% py and trace po+cpy. Chloritised and silicified	SC	6/12/2011
1111115	7	541514	6991511	1137	Oxidized granodiorite, no sulphides but sample is within Au anomaly	SC	6/12/2011

Appendix IV – Soil Assay Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 09, 2011
Report Date: January 04, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

DAW11000372.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-02
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: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

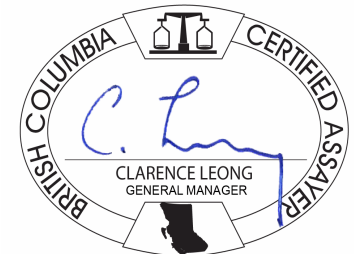
CC: Peter Tallman

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Ethos Capital Corp.**
 Suite 680-789 West Pender St
 Vancouver BC V6C 1H2 Canada

Project: WLF
 Report Date: January 04, 2012

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

DAW11000372.2

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	
1204123	Soil	1.0	27.9	8.3	42	<0.1	23.4	10.9	432	2.80	11.2	0.5	11.6	0.5	37	0.3	0.7	0.2	87	0.37	0.056
1204120	Soil	0.7	24.7	7.2	32	0.1	16.9	10.8	186	2.26	10.2	0.5	15.2	0.6	23	0.2	0.4	0.2	65	0.25	0.046
1204106	Soil	3.2	52.8	18.5	65	0.3	23.0	10.8	380	2.85	34.6	2.1	4.5	6.7	19	0.4	2.7	1.9	78	0.30	0.050
1204102	Soil	6.2	122.9	23.3	52	1.1	13.9	6.1	149	2.03	68.4	0.9	8.1	0.6	42	0.4	5.4	1.6	57	0.52	0.093
1204107	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.
1204122	Soil	0.7	34.0	7.9	54	<0.1	44.6	23.3	298	3.60	44.8	0.6	9.6	2.0	32	0.2	1.5	0.3	95	0.29	0.040
1204105	Soil	9.6	151.1	47.2	117	1.0	23.5	11.8	701	2.61	206.7	9.6	11.8	9.0	39	1.4	19.7	4.4	55	0.60	0.073
1204184	Soil	2.5	203.0	64.8	74	1.0	18.6	13.2	404	2.96	375.2	2.9	12.1	2.0	24	0.9	34.6	20.2	65	0.33	0.061
1204101	Soil	5.0	236.3	82.5	103	1.2	21.9	20.3	444	4.00	313.1	1.5	45.4	2.9	53	0.9	15.3	4.8	107	0.44	0.126
1204104	Soil	13.8	243.3	59.3	80	2.9	23.3	13.1	767	2.63	181.1	3.3	13.8	2.9	44	0.8	9.2	4.4	68	0.68	0.082
1204103	Soil	6.7	382.5	14.8	60	1.8	23.1	13.7	366	3.27	71.2	0.8	17.6	2.8	27	0.4	16.0	10.1	98	0.36	0.053
1204189	Soil	2.4	290.4	42.5	97	1.1	24.5	18.2	457	3.66	81.7	1.2	28.3	2.4	51	0.6	3.2	2.6	93	0.37	0.116
1204121	Soil	1.0	36.6	7.4	31	0.2	19.4	12.6	197	2.38	18.7	0.7	3.0	0.5	22	0.3	0.7	0.3	59	0.21	0.061
1204190	Soil	4.5	236.3	67.1	95	1.0	22.7	20.7	445	3.78	245.1	1.7	21.1	3.1	49	0.7	12.0	4.3	105	0.48	0.131
1204185	Soil	2.6	600.6	101.4	89	1.7	43.0	19.2	688	4.01	558.8	6.5	46.2	9.0	36	0.7	17.5	22.9	85	0.53	0.101
1204183	Soil	1.7	91.7	19.1	46	1.0	8.8	7.7	269	1.70	44.5	1.9	4.3	1.4	20	1.5	2.0	2.7	40	0.26	0.038
1204187	Soil	1.8	337.9	82.8	110	1.3	24.2	20.0	682	3.71	324.5	0.9	22.4	2.2	34	1.0	48.3	7.9	100	0.50	0.106
1204262	Soil	1.1	19.7	8.9	46	0.1	19.9	10.1	356	3.18	7.7	0.7	2.0	4.4	29	<0.1	0.5	0.2	82	0.39	0.030
1204188	Soil	3.3	630.8	757.9	366	4.9	25.9	25.5	539	4.80	1672	1.9	92.3	2.4	53	4.8	143.8	12.5	91	0.36	0.126
1204186	Soil	1.5	51.1	20.2	91	0.3	19.0	11.6	796	2.52	55.3	1.0	1.8	1.2	34	1.7	1.3	2.3	58	0.41	0.080
1204463	Soil	0.4	20.2	9.2	53	0.1	17.6	10.6	437	2.40	6.7	1.3	4.4	4.2	38	0.1	0.6	0.2	65	0.73	0.059
1201195	Soil	0.5	22.8	9.7	48	<0.1	19.4	10.1	323	2.61	9.6	0.9	3.7	4.0	34	0.1	0.5	0.1	73	0.59	0.053
1204455	Soil	0.7	13.9	7.6	52	<0.1	18.1	11.0	319	3.05	6.6	0.6	3.6	3.5	30	<0.1	0.4	0.1	85	0.43	0.050
1201193	Soil	0.4	21.3	13.4	58	0.3	17.5	9.8	390	2.41	28.1	1.3	8.6	3.7	40	0.3	0.8	0.2	64	0.88	0.051
1204267	Soil	1.0	17.9	8.9	57	0.1	17.0	11.4	424	3.22	5.8	1.4	3.0	5.7	38	0.1	0.6	0.2	80	0.50	0.056
1204456	Soil	0.7	23.3	8.5	49	<0.1	21.2	11.0	376	3.04	7.6	1.2	4.8	4.8	37	<0.1	0.4	0.1	79	0.55	0.052
1201199	Soil	0.4	22.5	6.2	53	<0.1	19.4	9.9	413	2.42	4.9	1.9	3.6	3.2	44	0.2	0.5	0.1	62	0.89	0.066
1204270	Soil	0.7	19.7	9.8	54	0.4	14.4	9.8	363	2.25	9.2	2.0	4.4	2.9	57	0.1	0.6	0.2	54	0.84	0.075
1204458	Soil	0.6	25.3	6.1	59	0.1	15.5	11.6	466	3.44	3.6	2.0	8.8	7.3	55	0.1	0.4	0.1	81	1.02	0.089
1204261	Soil	1.2	26.0	10.3	53	<0.1	23.7	11.7	467	3.36	7.6	1.3	4.0	5.5	40	<0.1	0.5	0.2	83	0.58	0.048

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Project: WLF
 Report Date: January 04, 2012

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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	
1204123	Soil	6	42	0.40	131	0.090	2	1.50	0.018	0.04	0.1	0.08	2.4	0.2	0.05	6	<0.5	<0.2
1204120	Soil	5	24	0.36	71	0.076	1	1.18	0.019	0.05	0.1	0.05	1.9	0.1	<0.05	4	<0.5	<0.2
1204106	Soil	11	32	0.54	85	0.108	2	1.46	0.018	0.05	1.2	0.07	2.8	0.1	<0.05	5	<0.5	<0.2
1204102	Soil	7	26	0.37	105	0.066	4	1.13	0.015	0.05	0.4	0.20	2.3	0.4	0.10	5	0.5	<0.2
1204107	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.
1204122	Soil	7	45	0.61	104	0.145	2	2.08	0.025	0.07	0.3	0.04	3.0	0.2	<0.05	5	<0.5	<0.2
1204105	Soil	25	27	0.59	142	0.082	3	1.51	0.032	0.07	0.4	0.07	4.1	0.2	<0.05	4	<0.5	<0.2
1204184	Soil	12	25	0.43	73	0.066	2	1.35	0.017	0.06	0.9	0.08	2.3	0.3	0.06	5	0.6	<0.2
1204101	Soil	10	41	0.71	111	0.139	3	1.57	0.024	0.18	1.3	0.06	3.7	0.9	<0.05	5	<0.5	<0.2
1204104	Soil	19	47	0.62	134	0.091	3	1.57	0.022	0.11	0.5	0.20	4.4	0.7	0.08	5	0.5	<0.2
1204103	Soil	9	37	0.68	78	0.144	2	1.55	0.026	0.10	1.6	0.06	3.8	0.7	<0.05	5	<0.5	<0.2
1204189	Soil	11	36	0.59	112	0.120	2	1.69	0.034	0.11	1.8	0.06	3.5	0.8	0.11	5	<0.5	<0.2
1204121	Soil	7	25	0.28	82	0.055	1	1.59	0.016	0.04	0.2	0.06	2.1	0.1	0.07	5	<0.5	<0.2
1204190	Soil	12	40	0.71	107	0.131	2	1.57	0.030	0.17	1.1	0.06	4.0	0.7	<0.05	5	0.5	<0.2
1204185	Soil	35	41	0.70	99	0.090	3	1.61	0.024	0.11	2.4	0.13	4.9	0.4	<0.05	5	0.6	<0.2
1204183	Soil	8	14	0.16	70	0.054	1	0.67	0.019	0.04	0.2	0.06	1.3	0.2	<0.05	4	<0.5	<0.2
1204187	Soil	12	37	0.62	88	0.092	3	1.48	0.027	0.07	3.6	0.08	5.0	0.3	<0.05	5	<0.5	<0.2
1204262	Soil	11	33	0.66	250	0.118	1	2.31	0.019	0.06	<0.1	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
1204188	Soil	12	34	0.65	152	0.097	3	1.97	0.035	0.14	3.1	0.08	3.7	0.7	0.12	6	1.0	<0.2
1204186	Soil	10	29	0.46	168	0.073	1	1.34	0.016	0.06	0.3	0.08	2.2	0.4	0.09	6	<0.5	<0.2
1204463	Soil	15	29	0.61	189	0.098	1	1.76	0.024	0.06	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1201195	Soil	15	32	0.61	194	0.114	1	1.79	0.029	0.05	0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
1204455	Soil	9	32	0.65	129	0.133	1	2.12	0.021	0.05	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
1201193	Soil	13	28	0.60	203	0.091	1	1.67	0.028	0.06	0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
1204267	Soil	16	30	0.72	304	0.130	3	1.94	0.024	0.05	<0.1	<0.01	3.9	0.1	<0.05	7	<0.5	<0.2
1204456	Soil	18	37	0.61	192	0.137	2	1.82	0.026	0.04	0.2	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
1201199	Soil	13	30	0.56	141	0.107	2	1.41	0.033	0.05	0.2	0.03	3.8	<0.1	<0.05	4	0.6	<0.2
1204270	Soil	18	27	0.59	285	0.076	2	1.78	0.026	0.06	0.1	0.07	4.6	0.1	0.07	6	0.8	<0.2
1204458	Soil	19	23	0.81	289	0.176	2	2.18	0.029	0.17	0.1	0.02	4.4	0.1	<0.05	7	0.7	<0.2
1204261	Soil	15	41	0.75	281	0.143	2	2.11	0.026	0.05	0.1	0.03	5.5	<0.1	<0.05	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	
		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	
1204464	Soil	0.5	17.6	11.1	57	<0.1	16.7	10.1	386	2.87	4.4	1.1	1.2	8.3	42	0.2	0.3	0.1	73	0.52	0.057
1201196	Soil	0.7	24.9	5.6	54	<0.1	23.8	11.5	406	2.87	6.4	0.7	8.0	2.3	40	<0.1	0.3	<0.1	84	0.72	0.071
1204462	Soil	0.6	13.9	7.4	63	<0.1	15.1	12.9	736	3.03	4.4	1.4	16.6	5.7	42	<0.1	0.4	0.1	77	0.80	0.082
1204268	Soil	0.9	16.8	9.4	63	0.2	15.9	12.5	610	3.25	4.4	1.9	2.0	6.8	39	0.2	0.6	0.3	89	0.62	0.044
1201192	Soil	0.4	23.8	7.7	56	0.1	19.8	10.6	451	2.61	4.5	1.7	2.5	3.8	48	0.2	0.5	0.1	63	0.94	0.069
1201194	Soil	0.6	21.9	9.0	53	<0.1	23.9	13.0	424	3.30	11.4	0.6	7.8	4.9	37	0.1	0.6	<0.1	91	0.55	0.053
1204454	Soil	0.5	16.9	9.5	67	<0.1	16.7	12.0	511	3.39	5.2	1.5	0.8	5.7	50	<0.1	0.5	0.1	81	0.81	0.067
1204459	Soil	0.5	16.5	7.6	61	<0.1	16.4	12.8	637	2.90	4.5	1.9	0.8	5.0	44	0.2	0.4	0.1	79	0.82	0.072
1204465	Soil	0.3	26.7	5.6	49	<0.1	21.9	9.9	463	2.33	5.2	0.7	1.9	3.0	39	<0.1	0.3	<0.1	60	0.74	0.067
1204460	Soil	0.6	16.6	7.4	58	0.1	16.4	11.3	431	2.93	4.7	2.0	9.8	5.0	43	<0.1	0.3	0.1	74	0.70	0.066
1201200	Soil	0.5	29.0	7.3	53	<0.1	24.8	11.9	496	2.89	6.4	1.1	2.8	3.2	52	0.2	0.5	0.1	71	1.10	0.069
1204108	Soil	16.1	93.3	124.5	113	1.3	23.0	12.3	431	3.17	287.0	12.0	41.8	11.2	31	0.8	20.0	4.0	74	0.48	0.079
1204118	Soil	1.4	31.4	12.3	62	0.1	31.5	18.5	438	3.62	12.0	0.7	3.1	1.3	31	0.2	0.5	0.3	129	0.41	0.078
1204119	Soil	1.2	28.8	12.2	57	<0.1	33.5	18.7	375	3.21	13.6	0.5	1.2	1.3	31	0.2	0.6	0.3	105	0.35	0.052
1204117	Soil	1.1	26.6	10.3	55	0.1	35.1	17.7	390	2.90	10.2	0.6	4.2	1.7	29	0.1	0.5	0.4	97	0.38	0.078
1204115	Soil	1.9	32.5	21.0	64	0.6	28.2	10.1	277	2.81	35.2	1.4	6.9	2.5	23	0.2	1.0	1.2	73	0.29	0.065
1204114	Soil	6.7	70.3	34.0	76	1.0	28.3	12.7	645	2.79	135.9	13.1	10.9	6.2	51	0.4	2.7	1.2	62	0.54	0.077
1204110	Soil	1.8	24.9	23.2	58	0.1	17.5	7.5	236	2.48	51.1	0.8	1.6	1.0	15	0.4	2.3	3.5	58	0.21	0.053
1204116	Soil	1.9	27.5	18.4	55	0.2	28.0	14.7	439	3.19	19.0	1.0	2.7	2.7	30	0.1	0.8	0.6	85	0.30	0.063
1204113	Soil	10.5	95.8	40.7	96	1.6	27.9	13.6	649	3.75	178.0	10.2	11.4	14.4	35	0.3	16.5	1.7	92	0.41	0.080
1204111	Soil	3.2	39.8	57.1	74	0.2	14.3	7.4	311	2.03	49.3	2.5	6.2	2.1	20	0.4	1.9	1.6	49	0.27	0.070
1204109	Soil	7.3	96.8	89.2	106	1.3	23.6	11.4	511	3.12	238.5	10.2	24.6	13.5	27	0.8	12.9	7.5	76	0.39	0.064
1204112	Soil	3.6	37.9	25.2	68	0.5	19.9	8.6	393	2.60	76.0	5.5	2.1	6.5	26	0.5	4.5	1.4	62	0.32	0.070
1204457	Soil	0.7	20.1	7.2	43	<0.1	16.5	10.1	489	2.45	6.4	1.1	11.2	2.9	36	<0.1	0.3	0.1	63	0.62	0.046
1204264	Soil	0.8	18.2	8.0	49	0.1	20.0	10.3	357	2.85	6.1	1.0	<0.5	5.8	32	0.1	0.5	0.2	70	0.45	0.045
1204461	Soil	0.5	21.2	6.1	50	<0.1	19.0	10.4	355	2.59	5.0	1.0	5.1	3.2	37	<0.1	0.3	0.1	66	0.65	0.063
1204266	Soil	0.8	11.8	9.3	58	<0.1	14.6	9.6	393	3.11	5.0	1.2	1.4	6.0	33	<0.1	0.6	0.1	86	0.50	0.034
1204265	Soil	0.9	19.5	10.1	46	0.1	15.4	9.4	374	2.66	5.7	3.5	<0.5	8.1	40	<0.1	0.7	0.1	62	0.60	0.048
1204269	Soil	0.5	16.0	9.9	73	0.1	16.7	14.5	642	3.45	4.2	2.6	<0.5	10.6	36	0.1	0.8	0.1	89	0.69	0.079
1204263	Soil	1.0	18.7	9.2	47	0.1	18.7	10.9	369	3.32	7.0	0.7	<0.5	4.8	29	<0.1	0.6	0.1	79	0.42	0.032

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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
1204464	Soil	16	31	0.69	204	0.127	1	1.94	0.022	0.08	0.2	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
1201196	Soil	10	36	0.65	138	0.123	2	1.48	0.036	0.05	0.2	0.03	3.6	<0.1	<0.05	5	0.6	<0.2
1204462	Soil	14	27	0.79	182	0.135	2	1.72	0.030	0.07	0.2	0.03	4.7	<0.1	0.06	6	0.6	<0.2
1204268	Soil	21	29	0.78	345	0.169	2	2.24	0.022	0.14	0.1	0.02	4.8	0.1	<0.05	8	0.5	<0.2
1201192	Soil	15	33	0.66	209	0.115	2	1.72	0.034	0.07	0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1201194	Soil	11	36	0.76	220	0.143	<1	2.21	0.026	0.07	0.2	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
1204454	Soil	13	31	0.86	205	0.134	<1	2.09	0.030	0.06	0.2	0.02	5.0	<0.1	<0.05	7	<0.5	<0.2
1204459	Soil	13	30	0.79	181	0.130	2	1.72	0.032	0.06	0.1	0.02	4.4	<0.1	0.06	6	<0.5	<0.2
1204465	Soil	12	32	0.59	155	0.110	1	1.40	0.039	0.05	0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
1204460	Soil	16	30	0.67	161	0.130	1	1.74	0.029	0.05	0.2	0.03	4.2	<0.1	<0.05	6	<0.5	<0.2
1201200	Soil	13	35	0.66	190	0.109	3	1.72	0.039	0.05	0.1	0.03	4.3	<0.1	0.05	5	0.7	<0.2
1204108	Soil	23	35	0.63	125	0.103	4	1.74	0.023	0.07	1.7	0.07	3.9	0.2	<0.05	6	<0.5	<0.2
1204118	Soil	9	63	0.82	139	0.188	2	2.11	0.027	0.13	0.1	0.04	3.7	0.2	0.09	8	<0.5	<0.2
1204119	Soil	7	61	0.79	124	0.187	1	1.82	0.025	0.12	0.2	0.04	2.6	0.2	0.05	7	0.6	<0.2
1204117	Soil	9	62	0.84	133	0.154	2	1.92	0.024	0.11	0.3	0.04	3.4	0.2	0.07	7	0.8	<0.2
1204115	Soil	10	41	0.61	153	0.091	2	1.95	0.013	0.05	0.3	0.05	3.4	0.2	<0.05	6	0.5	<0.2
1204114	Soil	21	37	0.55	207	0.074	1	2.31	0.017	0.06	0.5	0.08	4.6	0.3	0.09	7	<0.5	<0.2
1204110	Soil	5	28	0.33	73	0.066	2	1.45	0.013	0.04	1.4	0.07	2.0	<0.1	0.08	5	0.7	<0.2
1204116	Soil	8	53	0.75	138	0.132	1	1.82	0.017	0.08	0.2	0.05	3.3	0.2	<0.05	6	0.6	<0.2
1204113	Soil	18	43	0.67	186	0.095	2	2.80	0.016	0.08	0.8	0.09	6.0	0.3	<0.05	8	0.7	<0.2
1204111	Soil	9	21	0.31	74	0.060	1	1.04	0.021	0.05	4.5	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1204109	Soil	22	33	0.58	108	0.106	3	1.60	0.023	0.05	1.1	0.06	3.4	0.1	<0.05	5	<0.5	<0.2
1204112	Soil	13	28	0.46	107	0.086	3	1.39	0.021	0.06	1.7	0.03	2.7	0.1	0.05	5	0.5	<0.2
1204457	Soil	13	28	0.51	196	0.089	<1	1.58	0.024	0.04	0.1	0.04	3.7	<0.1	<0.05	5	0.7	<0.2
1204264	Soil	12	29	0.70	291	0.109	2	1.94	0.022	0.06	0.1	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
1204461	Soil	12	30	0.61	165	0.115	<1	1.53	0.033	0.05	0.2	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
1204266	Soil	16	29	0.78	313	0.147	2	1.85	0.019	0.11	<0.1	<0.01	4.2	0.1	<0.05	6	<0.5	<0.2
1204265	Soil	27	27	0.61	383	0.111	1	1.78	0.020	0.09	0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
1204269	Soil	22	32	0.90	340	0.133	1	2.21	0.024	0.20	0.1	0.03	6.5	0.2	<0.05	7	<0.5	<0.2
1204263	Soil	11	32	0.71	270	0.114	<1	2.27	0.017	0.07	0.1	0.02	4.0	0.1	<0.05	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

Page: 4 of 12 Part 1

CERTIFICATE OF ANALYSIS

DAW11000372.2

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	
1204451	Soil	0.9	14.5	13.5	74	0.2	17.8	15.7	870	3.25	10.8	2.9	3.7	7.3	42	0.2	0.6	0.2	87	0.72	0.092
1204453	Soil	0.8	22.9	8.7	55	0.1	21.2	11.9	458	2.97	6.6	2.0	8.6	5.6	42	<0.1	0.4	0.1	79	0.66	0.061
1204452	Soil	0.9	14.1	9.8	61	<0.1	18.5	11.6	454	3.22	7.1	0.9	8.3	4.9	41	0.1	0.3	0.2	92	0.63	0.068
1165761	Soil	1.2	12.6	107.0	138	0.8	17.5	8.8	1649	2.85	13.4	0.7	3.1	4.8	34	0.6	1.5	1.7	65	0.40	0.044
1165759	Soil	0.5	20.2	54.3	155	0.3	7.2	10.1	1611	4.86	55.0	1.3	12.7	14.6	43	0.7	4.1	3.0	108	0.73	0.078
1165757	Soil	1.3	18.5	26.1	115	0.4	18.2	16.2	1394	3.40	70.9	0.6	10.8	3.1	23	0.5	1.0	0.7	81	0.23	0.043
1165756	Soil	1.3	21.4	31.8	164	<0.1	8.0	19.2	1335	6.13	73.4	3.5	4.1	14.5	51	0.3	2.6	1.9	147	0.80	0.127
1165755	Soil	0.7	36.5	12.8	97	0.1	20.4	18.8	1088	6.61	115.1	2.1	4.3	11.7	45	0.2	1.2	0.7	195	0.62	0.082
1165754	Soil	0.5	19.1	11.8	84	<0.1	17.3	18.6	834	5.07	48.9	1.1	3.8	5.0	55	<0.1	1.8	0.6	146	0.67	0.101
1165752	Soil	0.6	19.8	8.5	91	<0.1	15.8	20.7	1021	5.83	11.7	2.4	3.2	10.4	78	<0.1	1.1	0.4	158	0.66	0.124
1165753	Soil	0.7	21.8	7.3	86	<0.1	17.6	19.0	938	5.51	10.8	2.2	3.5	9.6	69	<0.1	0.9	0.4	155	0.64	0.111
1165751	Soil	1.3	20.9	11.5	103	0.3	25.7	17.4	805	4.40	10.3	0.9	4.1	5.4	34	0.2	0.9	0.4	118	0.36	0.031
1165758	Soil	0.5	21.6	54.7	158	0.2	7.3	9.9	1584	4.80	59.1	1.4	15.0	15.0	46	0.4	4.8	3.0	110	0.76	0.079
1165760	Soil	0.8	27.2	39.1	140	0.3	25.2	18.1	2719	5.68	33.7	1.9	3.5	16.9	38	0.5	2.9	0.8	148	0.61	0.075
1165762	Soil	1.5	18.7	25.5	134	1.5	25.0	13.4	1227	3.25	10.6	0.5	9.8	2.6	34	2.3	0.7	0.4	81	0.34	0.032
1165780	Soil	0.7	22.4	10.3	62	0.1	22.4	12.9	344	3.23	9.3	1.3	5.0	6.7	40	<0.1	1.2	0.2	79	0.55	0.046
1165784	Soil	0.8	17.4	13.2	71	0.2	22.0	14.3	824	3.32	9.0	0.5	0.9	3.0	35	0.3	1.0	0.1	85	0.51	0.026
1165764	Soil	0.9	16.3	15.2	87	0.4	21.7	10.5	770	2.62	8.4	0.5	2.8	2.7	37	0.7	0.6	0.5	71	0.48	0.030
1165782	Soil	1.1	17.3	11.3	46	<0.1	17.9	10.3	323	2.86	8.4	0.5	2.0	3.5	32	0.1	0.8	0.6	71	0.33	0.023
1165781	Soil	0.7	30.3	21.4	58	0.2	18.0	13.0	394	3.60	12.7	1.1	6.4	8.4	44	0.2	2.6	1.0	95	0.67	0.038
1165785	Soil	1.0	19.9	14.9	92	0.2	23.9	13.8	560	3.52	10.1	0.5	2.4	3.0	34	0.3	1.0	0.1	89	0.47	0.040
1165763	Soil	1.5	14.9	21.3	127	0.5	18.2	11.4	929	2.63	10.8	0.3	1.3	1.9	34	1.8	0.6	0.5	69	0.46	0.028
1165783	Soil	0.3	26.4	37.7	70	<0.1	8.9	15.3	876	3.70	46.2	1.4	6.0	10.5	95	0.3	6.3	0.6	78	1.03	0.045
1165779	Soil	0.4	28.3	15.8	55	<0.1	17.2	12.3	473	3.41	9.9	2.3	4.4	11.8	42	0.1	1.2	0.1	95	0.78	0.049
1165778	Soil	0.6	18.7	11.4	39	0.4	11.5	11.4	596	2.46	8.7	1.6	2.0	6.2	37	0.2	1.1	0.2	66	0.53	0.047
1165777	Soil	0.8	16.0	18.7	58	0.1	13.0	13.2	552	3.43	12.3	0.7	6.8	6.0	41	0.2	1.2	0.2	96	0.69	0.080
1165776	Soil	0.5	19.5	19.7	71	0.1	14.3	13.4	594	4.04	13.0	1.7	36.8	7.3	46	0.2	3.8	0.2	102	0.80	0.103
1202228	Soil	0.3	12.2	5.5	74	<0.1	6.5	12.4	704	4.15	3.0	1.1	1.2	5.4	21	0.1	0.2	<0.1	87	0.71	0.129
1202230	Soil	0.7	38.4	6.3	64	<0.1	28.6	14.3	551	3.67	8.6	0.6	5.7	4.2	47	0.1	0.5	0.1	90	0.71	0.054
1202229	Soil	0.4	24.1	7.6	93	<0.1	19.5	17.8	1048	5.46	5.8	0.8	1.6	4.9	29	<0.1	0.4	0.2	109	0.70	0.090

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Project: WLF
 Report Date: January 04, 2012

Page: 4 of 12 Part 2

CERTIFICATE OF ANALYSIS

DAW11000372.2

Method Analyte	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	0.1	0.05	1	0.5	0.2	
1204451	Soil	17	33	0.84	238	0.149	3	2.01	0.039	0.08	0.1	0.04	6.4	0.1	0.06	7	0.8	<0.2
1204453	Soil	18	33	0.68	231	0.137	3	2.07	0.036	0.05	0.2	0.03	5.6	<0.1	<0.05	6	1.1	<0.2
1204452	Soil	12	34	0.82	202	0.168	1	2.05	0.041	0.07	0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
1165761	Soil	12	25	0.47	166	0.067	<1	2.37	0.024	0.05	<0.1	0.02	3.4	0.4	<0.05	7	1.0	<0.2
1165759	Soil	26	13	1.04	299	0.184	<1	3.07	0.051	0.49	0.1	0.02	8.9	1.1	<0.05	9	1.2	<0.2
1165757	Soil	7	27	0.57	185	0.156	2	2.51	0.037	0.10	0.2	<0.01	3.2	0.5	<0.05	8	0.7	<0.2
1165756	Soil	24	16	1.52	805	0.287	<1	3.26	0.041	0.69	0.1	<0.01	17.4	0.9	<0.05	11	0.7	<0.2
1165755	Soil	25	33	1.80	572	0.313	1	3.32	0.033	0.74	0.3	0.02	16.6	0.7	<0.05	11	<0.5	<0.2
1165754	Soil	13	33	1.53	441	0.410	1	2.67	0.034	0.73	0.6	<0.01	8.5	0.8	<0.05	9	0.5	<0.2
1165752	Soil	19	31	1.68	468	0.375	1	3.20	0.034	0.81	0.5	<0.01	12.5	0.6	<0.05	10	1.0	<0.2
1165753	Soil	17	34	1.52	414	0.341	1	3.01	0.033	0.65	0.4	0.02	11.8	0.5	<0.05	10	0.8	<0.2
1165751	Soil	12	42	0.90	256	0.193	2	3.12	0.024	0.09	0.1	0.02	6.4	0.3	<0.05	9	<0.5	<0.2
1165758	Soil	27	13	1.05	295	0.185	1	3.31	0.059	0.51	0.1	<0.01	9.7	1.2	<0.05	9	0.8	<0.2
1165760	Soil	27	37	1.15	362	0.304	2	3.37	0.036	0.37	0.2	0.02	12.0	0.8	<0.05	11	1.0	<0.2
1165762	Soil	9	38	0.55	202	0.104	<1	2.48	0.024	0.04	<0.1	0.02	3.5	0.2	<0.05	8	<0.5	<0.2
1165780	Soil	16	42	0.72	147	0.118	1	2.28	0.033	0.06	<0.1	0.02	5.0	<0.1	<0.05	6	0.7	<0.2
1165784	Soil	8	36	0.73	182	0.134	<1	2.42	0.024	0.06	<0.1	<0.01	3.7	<0.1	<0.05	7	<0.5	<0.2
1165764	Soil	11	34	0.51	172	0.102	2	2.21	0.030	0.04	<0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1165782	Soil	9	33	0.59	159	0.092	2	1.90	0.021	0.04	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
1165781	Soil	19	32	0.87	155	0.198	3	2.54	0.027	0.07	0.2	0.02	5.7	0.1	<0.05	8	0.8	<0.2
1165785	Soil	9	37	0.68	188	0.141	<1	2.77	0.026	0.05	<0.1	0.01	3.6	0.2	<0.05	8	0.7	<0.2
1165763	Soil	7	28	0.45	168	0.100	1	1.83	0.027	0.03	0.1	0.01	2.4	0.1	<0.05	7	<0.5	<0.2
1165783	Soil	20	12	1.14	88	0.159	<1	3.03	0.019	0.13	0.3	<0.01	8.8	0.2	<0.05	9	0.5	<0.2
1165779	Soil	26	29	0.77	232	0.244	<1	2.81	0.037	0.16	0.2	0.02	6.2	0.2	<0.05	9	<0.5	<0.2
1165778	Soil	26	21	0.49	188	0.125	1	2.01	0.033	0.06	0.1	0.03	3.7	<0.1	<0.05	6	0.6	<0.2
1165777	Soil	12	24	0.70	148	0.215	<1	2.67	0.030	0.08	0.1	0.02	4.4	0.1	<0.05	9	<0.5	<0.2
1165776	Soil	25	27	0.82	177	0.241	1	2.41	0.030	0.06	0.2	0.01	5.7	0.1	<0.05	8	1.0	<0.2
1202228	Soil	11	8	1.07	241	0.269	<1	2.11	0.036	0.59	<0.1	<0.01	3.5	0.3	<0.05	8	0.5	<0.2
1202230	Soil	18	36	0.86	258	0.181	2	2.21	0.061	0.15	<0.1	0.02	6.6	<0.1	<0.05	7	0.6	<0.2
1202229	Soil	14	22	1.40	238	0.258	2	2.72	0.039	0.35	0.1	0.01	6.5	0.2	<0.05	10	0.7	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000372.2

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	
1202231	Soil	0.4	27.0	9.2	90	<0.1	11.9	19.0	878	5.51	3.9	0.8	2.2	4.6	102	0.1	0.8	0.1	130	1.48	0.110
1202227	Soil	0.1	18.2	8.5	148	<0.1	9.0	23.7	1601	7.92	2.7	1.0	1.3	7.3	32	<0.1	0.7	0.1	153	1.00	0.104
1202226	Soil	0.2	9.6	4.3	53	<0.1	5.9	10.7	800	3.41	2.5	0.8	3.3	7.3	150	<0.1	0.2	0.1	71	0.58	0.110
1202225	Soil	0.2	16.6	8.9	94	<0.1	6.5	16.0	1018	5.28	5.0	0.8	1.8	5.7	24	0.1	0.2	<0.1	112	0.64	0.125
1202224	Soil	0.2	14.3	3.5	65	<0.1	7.9	11.5	554	3.81	2.9	0.9	1.4	5.9	29	<0.1	0.2	<0.1	80	0.62	0.126
1202223	Soil	0.4	23.2	9.1	74	<0.1	15.4	11.8	719	3.95	6.3	1.0	4.2	7.1	39	<0.1	0.5	0.2	83	0.63	0.072
1202222	Soil	0.3	7.9	15.7	64	<0.1	6.0	12.3	968	3.49	2.1	1.2	0.6	7.7	20	<0.1	0.8	0.2	47	0.55	0.101
1202221	Soil	1.0	14.1	7.5	61	<0.1	16.8	13.0	589	3.71	5.5	0.5	3.6	15.6	22	0.1	0.5	0.2	83	0.35	0.056
1202220	Soil	0.3	10.2	12.2	82	<0.1	5.0	14.6	1000	4.41	2.9	0.8	0.9	15.8	21	<0.1	0.5	0.1	61	0.61	0.088
1165775	Soil	1.1	28.7	15.8	48	0.3	16.5	12.2	554	3.18	10.8	1.8	8.2	7.3	36	0.2	0.8	0.3	87	0.49	0.039
1165772	Soil	0.3	69.2	54.6	70	0.1	8.2	13.9	705	4.04	8.2	1.2	<0.5	24.6	29	0.4	1.1	0.4	102	0.52	0.112
1165774	Soil	0.3	19.8	17.9	72	<0.1	11.3	14.6	660	3.97	12.2	0.8	<0.5	15.9	23	0.1	1.0	0.2	104	0.51	0.092
1165773	Soil	0.6	22.9	21.5	58	0.1	17.3	10.6	386	3.01	10.0	1.0	3.0	8.3	34	0.1	0.8	0.5	80	0.54	0.035
1165771	Soil	0.4	18.6	14.5	79	0.1	14.1	15.8	880	4.08	8.5	1.2	<0.5	18.2	37	0.2	0.8	0.2	105	0.53	0.104
1165770	Soil	1.0	20.5	25.8	91	0.2	22.8	15.1	1221	3.94	10.4	0.6	<0.5	6.9	32	0.4	1.0	0.3	101	0.49	0.052
1165769	Soil	0.4	19.3	121.9	144	0.1	13.8	20.3	1067	5.68	19.6	1.2	5.2	22.6	29	0.4	2.1	2.6	152	0.67	0.099
1165768	Soil	0.6	17.0	24.2	73	<0.1	16.4	14.5	698	3.91	10.2	0.9	3.7	8.3	43	0.2	0.9	1.2	101	0.64	0.064
1165767	Soil	0.5	16.5	27.5	80	<0.1	21.1	14.1	681	3.90	45.4	0.8	4.1	11.9	61	0.3	1.6	2.3	105	0.61	0.065
1165766	Soil	1.2	22.0	45.7	143	0.5	25.7	14.6	1026	3.26	14.5	0.6	1.5	3.3	30	1.7	0.7	0.8	82	0.36	0.027
1165765	Soil	1.0	20.8	33.9	106	0.4	22.8	12.4	949	2.79	14.6	0.6	2.4	3.2	36	2.0	0.8	0.6	70	0.48	0.028
1202217	Soil	1.0	17.0	8.9	87	<0.1	17.6	17.3	1046	4.99	6.7	0.9	0.7	17.0	30	0.2	0.3	0.1	111	0.68	0.112
1202216	Soil	0.5	29.8	13.8	70	<0.1	13.8	15.2	803	3.95	3.7	0.7	1.6	12.6	24	<0.1	0.4	0.2	58	0.51	0.046
1202214	Soil	0.8	21.8	8.6	87	<0.1	17.2	18.2	1028	5.29	6.1	0.7	3.1	13.3	21	<0.1	0.5	0.2	96	0.45	0.060
1202218	Soil	0.8	32.3	7.6	75	<0.1	21.4	17.2	788	4.96	8.4	0.7	1.5	15.9	26	<0.1	0.4	0.1	108	0.46	0.036
1202215	Soil	1.1	14.8	6.8	53	<0.1	18.8	12.4	608	3.09	7.6	0.5	0.6	3.1	30	0.2	0.5	0.1	70	0.58	0.029
1202212	Soil	1.1	10.2	15.3	38	<0.1	10.6	8.0	380	2.77	7.9	0.8	<0.5	11.6	21	<0.1	0.7	<0.1	37	0.35	0.041
1202213	Soil	0.5	21.1	9.5	97	<0.1	16.9	20.7	1251	5.72	5.3	0.7	<0.5	12.4	23	<0.1	0.4	0.1	109	0.52	0.085
1202211	Soil	0.5	26.8	9.1	60	<0.1	19.0	14.1	651	4.19	6.0	1.1	<0.5	10.6	35	<0.1	0.4	0.2	109	0.60	0.064
1202210	Soil	0.5	29.7	25.9	81	<0.1	18.7	18.4	1009	5.15	6.0	1.2	<0.5	23.7	26	<0.1	0.4	0.1	125	0.60	0.087
1202209	Soil	0.5	25.9	9.0	64	0.1	18.3	15.3	662	4.30	6.8	1.0	3.6	13.5	39	<0.1	0.5	<0.1	109	0.50	0.034

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Project: WLF
 Report Date: January 04, 2012

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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	
1202231	Soil	12	14	1.23	503	0.237	<1	3.49	0.124	0.43	0.1	<0.01	5.4	0.1	<0.05	12	<0.5	<0.2
1202227	Soil	19	11	1.78	519	0.301	<1	3.54	0.031	1.04	<0.1	<0.01	9.4	0.5	<0.05	15	0.7	<0.2
1202226	Soil	16	8	0.82	316	0.197	<1	1.98	0.046	0.58	<0.1	<0.01	5.5	0.3	<0.05	6	0.5	<0.2
1202225	Soil	10	10	1.19	357	0.190	<1	2.54	0.032	0.58	<0.1	<0.01	6.7	0.2	<0.05	11	0.6	<0.2
1202224	Soil	18	11	1.03	356	0.230	<1	2.07	0.055	0.60	<0.1	0.02	5.4	0.4	<0.05	7	0.7	<0.2
1202223	Soil	19	22	1.06	304	0.113	<1	2.30	0.043	0.25	<0.1	0.02	9.0	0.2	<0.05	7	0.9	<0.2
1202222	Soil	28	7	1.13	136	0.004	1	2.29	0.009	0.15	0.2	<0.01	8.1	0.1	<0.05	7	<0.5	<0.2
1202221	Soil	21	26	0.91	266	0.099	1	2.39	0.020	0.14	<0.1	<0.01	5.2	0.1	<0.05	8	<0.5	<0.2
1202220	Soil	40	6	0.77	359	0.002	1	2.16	0.012	0.24	<0.1	0.02	6.8	0.1	<0.05	7	<0.5	<0.2
1165775	Soil	29	27	0.61	380	0.158	1	2.28	0.024	0.09	0.1	0.04	4.3	0.1	<0.05	8	<0.5	<0.2
1165772	Soil	19	17	0.96	291	0.251	<1	2.53	0.017	0.63	0.3	<0.01	6.7	0.5	0.06	9	<0.5	<0.2
1165774	Soil	14	20	1.05	285	0.286	1	2.37	0.022	0.44	0.1	0.01	3.5	0.4	0.05	9	<0.5	<0.2
1165773	Soil	23	30	0.70	279	0.188	2	2.09	0.028	0.06	0.2	0.01	5.1	0.1	0.06	7	<0.5	<0.2
1165771	Soil	15	26	0.96	425	0.239	<1	2.77	0.020	0.53	0.1	0.01	6.7	0.5	0.07	9	<0.5	<0.2
1165770	Soil	11	35	0.90	356	0.207	1	2.91	0.027	0.21	0.1	0.02	4.0	0.3	0.08	9	<0.5	<0.2
1165769	Soil	28	25	1.59	431	0.362	<1	3.48	0.026	0.62	0.2	<0.01	7.1	1.1	0.08	13	<0.5	<0.2
1165768	Soil	17	32	1.02	235	0.220	<1	2.59	0.033	0.30	0.2	0.02	5.9	0.6	0.07	9	<0.5	<0.2
1165767	Soil	16	34	1.14	432	0.248	<1	2.68	0.044	0.59	0.3	0.02	6.0	1.2	0.06	8	<0.5	<0.2
1165766	Soil	11	42	0.54	179	0.108	1	2.35	0.025	0.04	0.1	0.02	5.1	0.2	0.08	7	<0.5	<0.2
1165765	Soil	15	38	0.53	161	0.096	1	2.16	0.029	0.03	<0.1	0.03	4.5	0.1	0.07	6	<0.5	<0.2
1202217	Soil	11	27	1.29	322	0.294	1	2.93	0.023	0.62	0.1	0.02	4.7	0.4	0.09	10	<0.5	<0.2
1202216	Soil	38	17	1.22	185	0.027	<1	2.39	0.012	0.07	0.1	0.03	5.8	<0.1	<0.05	8	<0.5	<0.2
1202214	Soil	18	26	1.49	183	0.053	<1	2.87	0.018	0.08	<0.1	0.01	9.4	<0.1	<0.05	11	<0.5	<0.2
1202218	Soil	25	33	1.20	249	0.174	<1	2.82	0.023	0.18	0.1	0.01	9.7	0.2	<0.05	10	<0.5	<0.2
1202215	Soil	9	33	0.61	201	0.094	2	1.91	0.025	0.09	0.1	<0.01	4.8	<0.1	0.12	6	<0.5	<0.2
1202212	Soil	27	18	0.42	173	0.029	1	1.44	0.011	0.14	<0.1	<0.01	3.5	0.1	0.07	4	<0.5	<0.2
1202213	Soil	14	23	1.73	221	0.107	<1	2.98	0.023	0.13	<0.1	<0.01	9.5	<0.1	<0.05	12	<0.5	<0.2
1202211	Soil	22	27	1.18	355	0.225	<1	2.22	0.033	0.14	0.1	<0.01	8.4	0.2	0.06	8	<0.5	<0.2
1202210	Soil	37	28	1.48	343	0.215	<1	2.88	0.018	0.29	0.1	0.01	11.1	0.4	0.05	11	<0.5	<0.2
1202209	Soil	20	30	1.15	310	0.239	<1	2.54	0.025	0.26	0.1	0.02	8.6	0.3	0.07	9	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000372.2

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	
1202208	Soil	0.8	24.5	7.8	52	<0.1	26.2	13.5	391	3.74	8.9	0.7	0.9	4.9	30	<0.1	0.5	0.1	90	0.39	0.028
1202207	Soil	0.6	18.9	7.8	71	<0.1	15.1	14.8	674	4.04	7.1	0.7	<0.5	15.7	45	<0.1	0.5	<0.1	101	0.52	0.070
1202239	Soil	0.4	16.2	5.5	61	<0.1	12.8	12.2	600	3.42	3.2	0.6	<0.5	6.7	33	<0.1	0.4	<0.1	70	0.77	0.075
1202241	Soil	0.1	8.3	2.8	37	<0.1	2.7	6.8	516	2.06	0.7	0.4	0.8	5.6	32	<0.1	0.1	0.1	36	2.93	0.055
1202240	Soil	0.1	8.7	3.3	40	<0.1	2.7	7.7	556	2.20	0.6	0.4	<0.5	6.5	33	<0.1	0.2	0.1	39	2.77	0.054
1202232	Soil	0.3	25.7	7.9	82	<0.1	10.7	19.7	808	5.16	3.5	0.7	<0.5	3.9	97	<0.1	0.8	0.2	128	1.42	0.107
1202219	Soil	0.8	30.9	7.6	75	<0.1	22.4	17.1	781	4.79	8.5	0.7	<0.5	13.3	26	<0.1	0.5	0.1	107	0.46	0.034
1202238	Soil	0.4	19.1	7.3	81	<0.1	13.1	14.4	646	4.54	4.3	0.8	<0.5	7.2	35	<0.1	0.6	0.2	98	0.87	0.084
1202237	Soil	0.8	12.5	8.4	64	<0.1	9.0	13.6	887	3.40	2.1	0.9	<0.5	7.0	39	<0.1	0.6	0.1	54	1.21	0.050
1202235	Soil	0.5	35.0	6.7	57	<0.1	17.5	13.2	533	3.66	6.2	0.7	<0.5	9.0	49	<0.1	0.9	<0.1	91	0.70	0.029
1202236	Soil	0.2	22.0	7.6	69	<0.1	4.6	14.4	1041	3.89	1.5	0.5	<0.5	4.7	31	<0.1	0.6	0.1	80	0.81	0.067
1202234	Soil	0.3	15.0	9.4	77	<0.1	8.0	15.8	1076	4.31	1.6	0.9	<0.5	13.0	41	<0.1	0.2	0.2	93	0.89	0.101
1202233	Soil	0.5	21.4	4.1	57	<0.1	18.6	10.3	419	3.06	5.0	0.6	<0.5	4.6	37	<0.1	0.4	0.1	78	0.71	0.088
1165712	Soil	0.8	15.2	12.7	61	0.2	16.0	10.3	406	3.14	5.6	0.6	<0.5	5.5	30	0.3	0.6	0.2	78	0.36	0.024
1165721	Soil	1.0	16.0	8.5	82	<0.1	18.3	9.9	647	2.78	5.6	0.4	<0.5	1.5	22	0.3	0.5	0.2	69	0.24	0.032
1165723	Soil	0.5	22.0	42.4	111	<0.1	19.0	18.5	892	5.79	13.0	0.9	1.0	23.2	30	0.3	2.7	1.1	150	0.74	0.053
1165720	Soil	0.7	21.6	19.2	73	0.1	23.1	16.4	720	4.56	9.5	0.7	<0.5	6.4	46	0.2	0.9	0.2	117	0.68	0.035
1165714	Soil	0.7	27.7	16.5	78	<0.1	19.0	16.0	679	4.70	12.2	0.8	<0.5	10.8	37	0.2	1.3	0.2	123	0.82	0.046
1165719	Soil	0.8	25.1	17.9	83	0.1	24.0	14.6	686	4.06	10.6	0.6	2.5	6.3	36	0.2	0.8	0.2	97	0.51	0.042
1165718	Soil	0.9	20.9	15.8	88	0.2	22.6	14.5	735	4.14	7.2	0.9	2.5	9.8	30	0.2	1.1	0.2	104	0.46	0.042
1165722	Soil	0.9	22.0	20.1	92	0.3	22.0	19.5	738	5.13	8.6	0.7	<0.5	8.5	31	0.2	1.5	0.2	130	0.54	0.056
1165717	Soil	0.2	25.9	12.7	62	<0.1	9.3	12.2	717	3.73	4.3	1.2	1.9	9.1	111	<0.1	1.0	0.1	90	1.75	0.044
1165724	Soil	0.3	23.0	22.6	71	<0.1	16.5	15.1	597	4.51	11.6	1.5	<0.5	10.6	48	0.2	1.5	0.2	117	1.01	0.070
1165725	Soil	0.4	23.0	22.3	68	<0.1	17.5	14.4	545	4.25	11.5	1.4	0.7	10.0	53	0.2	1.3	0.2	111	1.06	0.061
1165715	Soil	0.2	22.2	27.4	91	0.1	7.2	17.5	1006	6.56	8.5	2.0	5.0	14.5	36	0.2	1.9	0.3	166	1.07	0.093
1165716	Soil	0.6	33.1	22.9	113	0.1	12.0	18.0	923	5.21	10.3	0.9	<0.5	10.2	40	0.3	1.0	0.3	129	0.70	0.031
1165713	Soil	0.6	26.1	27.5	91	0.2	17.6	17.1	977	4.81	8.3	1.1	<0.5	11.3	44	0.3	1.6	0.2	124	0.80	0.042
1165733	Soil	0.3	24.7	7.8	51	<0.1	21.3	10.8	390	3.54	7.5	0.7	5.5	6.5	39	<0.1	0.7	0.1	91	0.69	0.066
1165731	Soil	0.9	21.8	11.5	71	0.3	24.2	15.0	836	3.61	6.2	0.7	2.2	5.6	39	0.2	0.9	0.2	80	0.59	0.043
1165732	Soil	0.2	24.2	10.6	55	<0.1	13.1	11.6	500	3.73	9.0	1.1	2.0	10.3	58	<0.1	1.1	0.7	93	0.84	0.077

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 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1202208	Soil	11	40	0.93	204	0.153	<1	2.64	0.031	0.12	0.2	<0.01	5.7	0.1	0.08	7	<0.5	<0.2
1202207	Soil	16	26	1.05	291	0.199	<1	2.81	0.020	0.27	<0.1	<0.01	4.3	0.2	0.07	9	<0.5	<0.2
1202239	Soil	17	18	0.89	144	0.104	<1	1.69	0.040	0.12	0.2	0.02	5.7	<0.1	0.10	7	<0.5	<0.2
1202241	Soil	10	3	0.62	109	0.026	1	1.20	0.025	0.08	0.2	<0.01	2.8	<0.1	0.20	4	<0.5	<0.2
1202240	Soil	10	3	0.66	116	0.031	<1	1.38	0.027	0.08	0.3	<0.01	3.9	<0.1	0.12	5	<0.5	<0.2
1202232	Soil	11	13	1.22	476	0.221	<1	3.37	0.125	0.41	0.1	<0.01	5.0	0.1	0.09	12	<0.5	<0.2
1202219	Soil	23	36	1.13	249	0.171	<1	2.88	0.023	0.17	0.1	0.03	9.1	0.2	0.06	9	<0.5	<0.2
1202238	Soil	14	18	1.18	240	0.226	<1	2.42	0.037	0.20	0.2	<0.01	5.8	0.1	0.05	9	<0.5	<0.2
1202237	Soil	24	9	0.58	207	0.025	<1	1.76	0.017	0.15	<0.1	<0.01	7.4	<0.1	0.11	6	<0.5	<0.2
1202235	Soil	14	22	0.97	177	0.132	<1	2.35	0.054	0.04	0.1	0.03	6.7	<0.1	<0.05	8	<0.5	<0.2
1202236	Soil	13	5	0.86	214	0.156	<1	2.27	0.036	0.15	0.1	<0.01	6.6	<0.1	0.08	9	<0.5	<0.2
1202234	Soil	19	14	1.02	317	0.128	<1	2.33	0.066	0.14	0.1	<0.01	6.8	<0.1	0.08	9	<0.5	<0.2
1202233	Soil	15	27	0.87	217	0.178	2	1.74	0.052	0.23	0.2	0.02	4.5	0.2	<0.05	6	0.6	<0.2
1165712	Soil	8	30	0.73	127	0.142	1	2.16	0.020	0.15	<0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
1165721	Soil	8	30	0.45	187	0.089	1	2.26	0.024	0.03	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1165723	Soil	18	25	1.59	298	0.460	<1	3.73	0.024	0.38	0.4	0.02	11.4	0.4	<0.05	13	<0.5	<0.2
1165720	Soil	11	38	1.19	332	0.253	1	3.46	0.047	0.10	0.1	0.02	9.0	0.2	<0.05	10	<0.5	<0.2
1165714	Soil	12	35	1.06	216	0.264	2	3.40	0.023	0.18	0.3	0.01	8.3	0.1	<0.05	10	0.6	<0.2
1165719	Soil	15	39	0.88	264	0.198	2	2.83	0.023	0.12	<0.1	0.01	5.2	0.1	<0.05	9	<0.5	<0.2
1165718	Soil	11	36	1.04	247	0.218	2	2.98	0.022	0.17	0.2	0.02	6.3	0.2	<0.05	8	<0.5	<0.2
1165722	Soil	10	37	1.27	403	0.339	<1	3.43	0.021	0.51	0.2	0.02	6.2	0.4	<0.05	11	<0.5	<0.2
1165717	Soil	19	14	1.12	156	0.208	<1	4.01	0.029	0.15	0.4	<0.01	10.9	0.1	<0.05	11	0.8	<0.2
1165724	Soil	19	21	1.30	152	0.370	<1	3.32	0.047	0.09	0.3	0.02	6.4	0.1	<0.05	11	<0.5	<0.2
1165725	Soil	18	24	1.19	153	0.338	1	3.42	0.043	0.10	0.2	0.02	6.2	<0.1	<0.05	11	0.5	<0.2
1165715	Soil	28	19	2.18	162	0.373	<1	3.77	0.027	0.15	0.3	0.02	11.4	0.2	<0.05	13	0.6	<0.2
1165716	Soil	14	24	1.53	263	0.357	<1	3.37	0.025	0.22	0.2	<0.01	10.6	0.3	<0.05	12	<0.5	<0.2
1165713	Soil	16	30	1.21	205	0.314	<1	3.52	0.023	0.20	0.2	<0.01	10.4	0.2	<0.05	12	0.6	<0.2
1165733	Soil	15	33	0.85	201	0.186	1	2.11	0.050	0.21	0.1	0.02	6.6	0.2	<0.05	7	<0.5	<0.2
1165731	Soil	17	42	0.72	249	0.131	2	2.45	0.029	0.18	0.1	0.03	7.4	0.1	<0.05	7	<0.5	<0.2
1165732	Soil	16	20	1.03	210	0.197	<1	2.64	0.085	0.29	0.2	0.01	4.7	0.3	<0.05	8	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			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	
1165730	Soil		0.4	16.1	18.5	83	0.1	11.6	15.2	894	4.44	7.2	0.6	0.5	14.6	47	0.2	2.4	0.2	105	0.85	0.064
1165729	Soil		0.6	17.0	9.8	69	<0.1	17.2	13.2	577	3.74	6.7	0.6	1.0	12.8	27	0.1	0.9	0.1	95	0.48	0.071
1165727	Soil		1.0	25.2	13.1	68	0.2	24.1	14.6	425	3.75	9.1	0.7	2.0	5.1	37	0.1	0.7	0.3	91	0.50	0.027
1165728	Soil		1.0	30.2	19.5	93	0.2	14.3	17.0	2611	4.93	11.0	1.5	2.3	15.4	54	0.3	2.3	0.3	116	0.61	0.050
1165726	Soil		0.8	22.2	9.0	43	<0.1	20.8	11.3	403	3.19	7.6	0.8	0.7	5.2	40	<0.1	0.8	0.3	82	0.55	0.016
1165708	Soil		0.6	39.1	18.8	86	0.1	15.2	17.1	595	4.87	10.8	0.8	1.2	7.2	39	0.2	1.0	0.2	147	0.50	0.046
1165709	Soil		1.1	18.6	16.6	109	0.2	14.7	14.4	958	3.55	8.1	0.6	1.3	5.0	27	0.3	4.3	0.1	97	0.44	0.042
1165710	Soil		0.3	11.5	11.6	55	0.1	7.7	10.2	539	2.93	3.0	1.1	<0.5	13.1	91	0.1	0.8	<0.1	65	1.99	0.028
1165706	Soil		0.4	21.6	12.0	108	<0.1	12.3	25.1	860	8.00	14.7	1.1	1.9	6.1	51	<0.1	1.9	0.3	252	0.77	0.063
1165711	Soil		0.4	15.7	15.5	87	0.1	11.5	15.2	832	4.77	7.0	1.4	<0.5	14.8	31	0.1	1.4	0.1	115	0.63	0.059
1165704	Soil		1.0	25.6	12.7	71	0.2	22.8	17.2	642	4.53	21.9	0.7	0.9	5.7	40	0.3	2.9	1.2	128	0.60	0.042
1165702	Soil		0.7	22.2	10.1	86	0.1	17.5	20.2	603	6.40	28.0	0.8	1.8	9.3	51	<0.1	0.7	1.0	231	0.43	0.056
1165707	Soil		0.6	14.7	9.1	102	<0.1	13.0	22.0	777	6.62	7.3	0.8	4.2	6.7	34	0.2	0.9	0.2	213	0.51	0.073
1165705	Soil		0.9	12.2	9.3	95	0.1	14.1	19.9	724	5.74	14.6	0.5	1.9	4.1	21	0.3	0.7	0.7	182	0.36	0.080
1165703	Soil		3.2	51.4	19.8	81	<0.1	24.4	16.0	807	6.14	37.9	1.8	2.2	18.3	64	0.2	2.6	1.6	166	0.60	0.084
1165701	Soil		2.3	73.2	9.2	86	0.1	27.4	21.1	943	5.97	22.6	1.6	3.9	8.9	98	0.2	1.1	1.5	194	0.77	0.134
1204352	Soil		0.9	27.4	8.8	41	0.2	21.2	14.0	314	2.26	8.7	0.7	0.9	0.9	29	0.2	0.6	0.3	69	0.33	0.089
1204356	Soil		0.9	42.4	9.4	41	0.1	24.4	12.4	374	2.29	14.4	0.6	1.6	0.9	35	0.3	0.8	0.2	66	0.41	0.074
1204353	Soil		0.9	20.9	7.6	33	<0.1	17.7	8.8	192	2.25	12.7	0.4	2.3	0.6	28	0.2	0.5	0.2	69	0.27	0.050
1204357	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.
1204300	Soil		1.0	26.6	12.5	55	0.3	32.8	14.8	296	2.48	8.2	0.9	6.1	1.8	29	0.1	0.4	0.3	73	0.32	0.071
1204354	Soil		1.0	14.3	9.5	31	<0.1	10.4	4.6	154	2.20	6.9	0.3	5.6	0.8	12	0.1	0.5	0.2	71	0.12	0.028
1204351	Soil		1.1	30.3	12.0	56	0.2	33.9	22.6	611	3.12	12.5	0.8	6.5	1.2	31	0.2	0.5	0.3	91	0.37	0.100
1204355	Soil		1.2	17.1	9.8	48	<0.1	14.6	7.6	347	2.96	10.6	0.4	3.3	0.9	23	0.2	0.6	0.2	78	0.24	0.043
1204298	Soil		6.3	82.1	33.1	82	0.7	23.0	11.1	517	3.71	170.0	10.4	21.9	19.2	32	0.4	6.9	1.7	82	0.42	0.094
1204299	Soil		3.2	50.0	27.7	61	0.9	21.1	31.6	2859	2.43	32.2	3.4	11.5	4.5	29	0.3	1.4	1.7	52	0.27	0.086
1204289	Soil		13.3	66.3	30.8	70	0.3	15.2	7.4	311	3.27	94.4	1.9	6.8	11.3	39	0.4	10.0	6.0	80	0.20	0.043
1204288	Soil		9.6	206.6	31.0	89	1.8	16.3	14.7	650	2.76	83.6	1.4	13.4	2.3	39	0.5	6.8	3.3	72	0.47	0.084
1204287	Soil		9.5	228.4	39.1	83	1.1	19.9	13.4	415	3.31	168.9	1.5	12.3	3.8	45	0.4	12.8	6.0	92	0.64	0.108
1204290	Soil		15.5	101.3	40.2	91	0.9	22.3	10.8	601	2.90	124.2	8.4	24.9	15.2	27	0.5	15.0	4.0	65	0.34	0.076

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Project: WLF
 Report Date: January 04, 2012

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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	
1165730	Soil	13	19	1.10	225	0.248	<1	3.74	0.023	0.11	0.2	0.01	7.1	0.2	<0.05	11	0.6	<0.2
1165729	Soil	12	29	0.90	287	0.222	1	2.93	0.023	0.27	0.2	0.02	4.6	0.2	<0.05	8	<0.5	<0.2
1165727	Soil	15	46	0.71	205	0.158	3	2.70	0.026	0.12	0.1	0.02	6.8	0.1	<0.05	7	<0.5	<0.2
1165728	Soil	26	21	1.07	322	0.169	1	3.20	0.020	0.24	0.7	0.02	12.5	0.2	<0.05	10	<0.5	<0.2
1165726	Soil	14	38	0.67	142	0.117	1	2.46	0.035	0.07	0.1	0.03	7.1	0.1	<0.05	7	0.5	<0.2
1165708	Soil	10	25	1.33	370	0.295	<1	2.78	0.020	0.43	0.2	0.02	8.1	0.5	<0.05	9	<0.5	<0.2
1165709	Soil	8	27	0.75	181	0.187	1	2.50	0.021	0.09	0.1	0.02	4.0	<0.1	<0.05	8	<0.5	<0.2
1165710	Soil	11	16	0.92	261	0.114	<1	4.95	0.102	0.35	<0.1	0.01	6.1	0.3	<0.05	9	<0.5	<0.2
1165706	Soil	23	31	2.45	631	0.633	1	3.56	0.026	0.78	0.3	<0.01	13.5	0.8	<0.05	13	<0.5	<0.2
1165711	Soil	15	23	1.28	212	0.264	<1	3.12	0.019	0.43	0.3	<0.01	9.5	0.4	<0.05	10	<0.5	<0.2
1165704	Soil	12	37	1.19	292	0.272	2	3.57	0.021	0.17	0.5	0.02	8.0	0.2	<0.05	9	0.7	<0.2
1165702	Soil	12	36	1.54	465	0.415	1	2.93	0.046	1.00	0.2	<0.01	10.9	0.6	<0.05	10	0.6	<0.2
1165707	Soil	8	27	1.70	372	0.453	2	3.39	0.024	0.70	0.6	<0.01	8.8	0.5	<0.05	11	<0.5	<0.2
1165705	Soil	9	28	1.44	335	0.385	1	2.88	0.029	0.74	0.2	0.01	8.3	0.6	<0.05	10	<0.5	<0.2
1165703	Soil	20	46	1.93	262	0.275	1	3.35	0.023	0.78	0.2	<0.01	12.9	0.9	<0.05	11	0.7	<0.2
1165701	Soil	21	74	1.83	226	0.331	1	3.24	0.033	0.39	0.3	0.01	14.0	0.5	<0.05	10	<0.5	<0.2
1204352	Soil	9	34	0.52	102	0.122	2	1.95	0.023	0.10	0.1	0.05	2.8	0.2	0.05	6	0.6	<0.2
1204356	Soil	8	39	0.50	102	0.091	2	1.80	0.030	0.07	0.2	0.08	3.2	0.2	0.10	6	0.7	<0.2
1204353	Soil	6	30	0.37	76	0.102	1	1.17	0.023	0.05	0.1	0.04	2.1	0.1	0.09	6	<0.5	<0.2
1204357	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.
1204300	Soil	9	59	0.86	145	0.152	2	2.38	0.026	0.06	0.2	0.06	4.0	0.3	0.10	8	<0.5	<0.2
1204354	Soil	4	24	0.23	61	0.109	1	0.89	0.016	0.04	<0.1	0.03	1.7	<0.1	<0.05	7	<0.5	<0.2
1204351	Soil	9	59	0.74	140	0.143	2	2.22	0.032	0.10	0.2	0.05	3.4	0.2	<0.05	7	<0.5	<0.2
1204355	Soil	7	34	0.35	111	0.111	2	1.63	0.017	0.04	<0.1	0.04	2.2	0.1	<0.05	9	<0.5	<0.2
1204298	Soil	26	36	0.69	117	0.107	2	2.19	0.017	0.09	1.4	0.10	4.8	0.3	<0.05	8	<0.5	<0.2
1204299	Soil	13	37	0.59	188	0.066	2	1.93	0.021	0.06	0.4	0.10	3.9	0.4	<0.05	7	<0.5	<0.2
1204289	Soil	11	29	0.40	118	0.109	3	1.32	0.012	0.06	0.6	0.07	2.7	0.2	<0.05	8	<0.5	<0.2
1204288	Soil	13	33	0.70	153	0.116	2	1.77	0.022	0.11	0.3	0.10	5.0	0.6	<0.05	6	0.8	<0.2
1204287	Soil	14	36	0.72	133	0.143	3	1.59	0.036	0.16	1.3	0.08	4.5	0.5	<0.05	6	<0.5	<0.2
1204290	Soil	32	31	0.55	135	0.092	3	1.75	0.022	0.07	0.7	0.12	4.5	0.2	<0.05	6	<0.5	<0.2

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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	ppm	ppb	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
1204293	Soil	13.2	54.7	64.6	79	1.0	18.4	7.3	240	2.23	107.1	7.5	14.6	7.8	31	0.3	9.7	3.2	55	0.41	0.072		
1204292	Soil	3.1	14.9	11.0	25	0.3	5.4	2.7	95	1.14	21.7	0.8	5.7	1.0	11	<0.1	2.0	0.8	36	0.09	0.031		
1204294	Soil	14.5	93.4	64.7	81	1.1	20.7	10.6	601	2.59	181.4	10.5	15.2	10.0	38	0.2	11.7	5.9	60	0.51	0.081		
1204295	Soil	3.3	37.2	35.4	74	0.3	23.5	10.2	437	2.94	70.9	2.6	5.7	7.9	26	0.4	3.0	7.5	74	0.38	0.072		
1204297	Soil	6.0	66.5	36.3	78	1.4	19.1	12.5	869	3.37	216.7	13.8	15.1	16.3	30	0.3	19.9	1.5	79	0.36	0.104		
1204296	Soil	11.3	49.3	60.6	73	1.0	19.4	9.8	218	3.22	209.0	12.4	17.8	10.1	24	0.3	10.2	1.8	71	0.28	0.089		
1204283	Soil	3.6	309.1	155.8	140	2.3	25.5	17.8	564	3.74	485.4	1.8	41.6	1.9	43	1.5	54.1	6.4	86	0.34	0.092		
1204291	Soil	15.6	99.4	40.1	91	0.7	22.8	11.0	616	2.93	123.6	8.2	18.3	15.4	28	0.6	14.7	4.0	70	0.36	0.074		
1204280	Soil	1.6	103.4	21.2	71	0.6	22.5	14.7	902	2.67	27.9	0.8	3.7	0.4	43	0.6	1.2	4.6	59	0.42	0.097		
1204285	Soil	2.2	98.2	18.7	65	0.3	23.3	13.9	416	3.69	46.9	1.0	16.6	3.3	43	0.3	2.8	1.8	108	0.65	0.116		
1204284	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.	I.S.	I.S.
1204286	Soil	5.0	190.2	146.7	91	1.2	16.3	14.9	527	3.42	173.4	0.9	14.6	2.4	45	0.6	15.1	4.8	93	0.55	0.142		
1204278	Soil	1.7	218.1	23.7	52	0.9	22.0	10.9	381	3.19	200.4	0.8	6.9	1.1	30	0.2	2.7	7.9	62	0.30	0.058		
1204279	Soil	1.8	195.0	91.1	69	1.7	30.7	14.0	453	3.90	291.8	1.6	17.5	3.7	25	0.4	4.7	33.7	94	0.31	0.050		
1204282	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.	I.S.	I.S.
1204276	Soil	1.3	127.8	17.8	50	0.8	19.9	16.2	422	2.56	127.6	0.9	2.5	0.8	29	0.4	3.7	3.5	58	0.24	0.039		
1204281	Soil	3.7	516.5	68.9	86	1.9	31.2	19.2	639	4.66	141.0	2.2	23.6	5.8	91	0.4	5.7	64.6	77	0.46	0.085		
1204277	Soil	1.9	285.5	37.0	57	1.3	24.9	12.4	552	2.99	377.7	1.4	16.8	0.8	42	0.3	5.7	9.0	62	0.50	0.076		
1204148	Soil	5.3	66.8	40.4	76	0.3	22.3	10.7	419	3.42	89.3	6.7	24.4	15.0	29	0.2	7.0	6.3	89	0.48	0.100		
1204149	Soil	10.8	56.2	73.1	78	0.8	18.3	14.2	667	3.98	268.1	14.1	29.6	18.8	27	0.2	14.7	1.8	81	0.37	0.087		
1204338	Soil	1.3	42.3	22.1	56	<0.1	22.9	12.8	294	2.62	28.0	0.6	4.5	0.6	55	0.1	0.7	0.3	70	0.48	0.088		
1204334	Soil	0.7	34.6	12.8	62	<0.1	39.5	22.4	365	3.95	23.0	0.5	5.9	2.2	70	0.1	1.4	0.4	105	0.64	0.065		
1204336	Soil	1.0	52.0	11.4	63	<0.1	37.1	18.5	353	3.76	26.7	0.6	7.5	1.2	59	<0.1	0.9	<0.1	89	0.39	0.069		
1204333	Soil	1.5	52.6	13.3	63	0.1	35.0	25.2	304	3.85	18.3	0.8	32.6	2.1	56	<0.1	0.4	6.7	100	0.48	0.095		
1204335	Soil	0.6	63.3	10.7	57	<0.1	33.4	19.8	276	3.91	20.3	0.6	3.3	2.3	40	0.2	1.0	0.4	107	0.41	0.036		
1204331	Soil	1.1	36.3	11.8	61	0.1	45.9	22.2	389	3.58	11.1	0.6	7.3	1.7	57	0.2	0.6	0.3	134	0.43	0.086		
1204330	Soil	1.6	28.7	17.9	64	0.2	31.4	13.7	362	3.15	27.4	0.7	10.3	2.3	37	0.3	1.2	0.5	89	0.31	0.049		
1204329	Soil	1.3	36.2	25.2	70	0.3	32.0	11.4	258	3.07	24.0	1.4	6.8	4.3	45	0.3	1.0	0.5	84	0.44	0.083		
1204332	Soil	1.6	55.2	11.6	59	0.2	45.2	23.6	307	3.88	15.3	0.8	12.1	1.8	43	0.3	0.6	0.7	127	0.51	0.106		
1204337	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.	I.S.	I.S.

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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	
1204293	Soil	16	29	0.51	138	0.079	2	1.69	0.025	0.06	0.3	0.15	3.6	0.2	<0.05	6	<0.5	<0.2
1204292	Soil	4	11	0.12	31	0.062	<1	0.50	0.022	0.03	<0.1	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1204294	Soil	23	28	0.54	142	0.083	2	1.73	0.035	0.06	1.1	0.10	4.0	0.1	<0.05	6	<0.5	<0.2
1204295	Soil	12	32	0.56	118	0.111	1	1.73	0.027	0.05	2.5	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1204297	Soil	21	39	0.63	149	0.091	1	2.34	0.018	0.07	1.1	0.11	6.1	0.2	<0.05	8	<0.5	<0.2
1204296	Soil	20	34	0.58	129	0.079	2	2.21	0.018	0.06	0.5	0.10	4.8	0.2	<0.05	8	<0.5	<0.2
1204283	Soil	12	36	0.57	120	0.122	1	1.88	0.030	0.10	1.7	0.07	3.6	0.2	<0.05	7	0.9	<0.2
1204291	Soil	34	32	0.56	139	0.101	3	1.84	0.024	0.07	0.8	0.10	4.8	<0.1	<0.05	6	<0.5	<0.2
1204280	Soil	9	30	0.43	129	0.054	<1	1.67	0.028	0.07	<0.1	0.12	2.1	0.2	0.07	6	0.6	<0.2
1204285	Soil	12	40	0.66	98	0.136	2	1.39	0.040	0.09	2.6	<0.01	3.8	0.1	<0.05	5	<0.5	<0.2
1204284	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.
1204286	Soil	10	36	0.76	153	0.144	2	1.54	0.033	0.30	2.1	0.05	3.6	0.7	<0.05	6	0.6	<0.2
1204278	Soil	9	33	0.55	60	0.044	<1	1.89	0.020	0.05	0.1	0.04	4.2	0.4	<0.05	6	1.1	<0.2
1204279	Soil	13	45	0.69	106	0.111	1	1.87	0.027	0.07	0.7	0.04	4.4	0.3	<0.05	7	<0.5	<0.2
1204282	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.
1204276	Soil	9	35	0.53	114	0.082	<1	1.79	0.026	0.05	<0.1	0.03	3.3	0.7	<0.05	6	<0.5	<0.2
1204281	Soil	19	31	0.63	91	0.076	<1	1.96	0.037	0.06	7.8	0.02	4.0	<0.1	0.05	7	1.1	0.9
1204277	Soil	14	38	0.58	123	0.053	<1	1.88	0.023	0.07	<0.1	0.17	4.1	0.7	<0.05	6	0.6	<0.2
1204148	Soil	22	37	0.61	132	0.120	<1	1.82	0.022	0.07	4.8	<0.01	4.0	<0.1	<0.05	6	<0.5	<0.2
1204149	Soil	26	34	0.61	127	0.095	<1	2.38	0.016	0.06	1.3	0.09	4.8	0.1	<0.05	8	<0.5	<0.2
1204338	Soil	9	35	0.59	104	0.102	<1	1.93	0.032	0.08	<0.1	0.04	3.2	<0.1	<0.05	7	<0.5	<0.2
1204334	Soil	11	64	0.93	98	0.196	<1	2.31	0.053	0.20	<0.1	<0.01	6.6	0.2	<0.05	7	<0.5	<0.2
1204336	Soil	10	41	0.66	112	0.127	<1	2.82	0.029	0.10	<0.1	<0.01	4.5	0.1	<0.05	8	<0.5	<0.2
1204333	Soil	14	43	0.84	122	0.150	<1	2.60	0.031	0.14	0.8	<0.01	6.7	0.1	<0.05	8	<0.5	<0.2
1204335	Soil	11	46	0.79	121	0.173	2	2.36	0.030	0.08	0.2	0.02	6.1	0.2	<0.05	6	<0.5	<0.2
1204331	Soil	9	90	1.46	172	0.244	3	2.49	0.037	0.22	0.2	0.02	5.5	0.3	<0.05	9	<0.5	<0.2
1204330	Soil	8	49	0.69	136	0.128	3	1.72	0.017	0.08	0.3	0.04	3.7	0.2	<0.05	7	<0.5	<0.2
1204329	Soil	12	51	0.81	166	0.167	3	1.98	0.021	0.12	0.3	0.03	4.6	0.2	<0.05	6	<0.5	<0.2
1204332	Soil	13	68	0.99	161	0.192	3	2.54	0.029	0.21	0.3	0.04	6.0	0.3	<0.05	8	<0.5	<0.2
1204337	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.

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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	
1204339	Soil	0.9	70.5	26.6	119	0.2	52.4	23.6	448	3.13	38.5	1.0	5.5	2.3	75	0.3	1.0	0.4	88	0.55	0.060
1204147	Soil	12.0	45.5	23.1	22	1.5	7.4	4.2	190	1.36	43.3	8.1	7.6	1.9	19	0.2	4.7	0.9	34	0.22	0.113
1204340	Soil	0.9	42.9	25.5	65	0.4	41.6	15.1	293	2.32	24.6	0.8	5.7	1.1	61	0.3	0.7	0.3	63	0.88	0.063
1204142	Soil	8.1	177.2	35.5	87	1.7	20.7	10.3	354	2.88	79.3	1.4	18.3	4.8	28	0.5	8.2	6.0	81	0.46	0.099
1204146	Soil	17.6	65.1	37.7	68	0.6	22.2	13.4	446	2.90	83.5	6.6	23.6	12.9	23	0.3	9.0	1.7	69	0.36	0.076
1204140	Soil	5.0	248.8	57.1	110	1.2	24.5	18.2	550	3.07	260.2	1.3	12.0	2.6	49	0.9	18.4	2.0	77	0.69	0.101
1204141	Soil	2.0	91.9	32.6	64	0.8	19.2	13.9	185	2.31	97.4	1.0	18.8	1.4	35	0.3	8.0	4.6	67	0.39	0.087
1204143	Soil	21.5	219.9	60.6	76	2.2	19.4	14.5	520	2.49	187.9	4.3	35.8	4.9	37	0.6	9.3	9.8	76	0.46	0.091
1204144	Soil	20.3	76.0	37.8	59	1.1	18.9	8.2	409	2.36	72.8	5.1	10.0	6.9	21	0.4	12.5	2.3	57	0.28	0.080
1204145	Soil	12.2	67.1	39.6	62	1.1	18.8	8.8	531	2.29	71.7	5.5	7.1	6.0	23	0.4	6.2	3.4	63	0.31	0.084
1204314	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.
1204313	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.
1204315	Soil	6.3	202.0	41.0	86	1.0	30.2	13.4	428	3.33	83.7	2.6	28.5	5.5	24	0.5	4.3	4.0	93	0.34	0.047
1204316	Soil	6.0	102.9	28.9	61	0.4	18.2	8.1	376	2.60	94.6	1.1	4.3	3.1	18	0.4	3.1	2.3	72	0.21	0.046
1204312	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.
1204311	Soil	1.9	28.0	13.6	78	0.1	18.9	9.5	530	3.30	12.0	0.6	3.2	0.5	23	0.3	0.8	0.3	85	0.24	0.067
1204310	Soil	2.6	38.5	835.8	55	0.3	16.7	7.1	524	2.80	11.9	0.6	2.3	0.3	20	1.0	0.8	0.5	83	0.20	0.071
1204309	Soil	2.0	42.8	22.6	59	0.3	14.8	12.9	804	2.42	31.7	0.6	6.7	0.4	48	1.4	1.3	1.6	74	0.52	0.103
1204308	Soil	1.7	94.0	79.8	60	0.9	15.0	12.1	550	2.07	205.9	1.8	13.0	0.4	70	0.5	10.6	8.8	43	1.06	0.140
1204306	Soil	2.7	106.3	47.8	82	0.9	24.7	13.2	417	4.12	88.6	1.6	5.1	4.8	19	0.6	7.5	6.1	90	0.20	0.039
1204305	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.
1204307	Soil	1.6	33.5	18.8	54	1.2	12.8	7.4	604	1.74	31.3	0.7	4.9	0.6	53	1.1	4.4	1.7	47	0.79	0.100
1204135	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.
1204134	Soil	2.1	31.9	14.1	55	0.1	13.1	6.3	220	3.39	23.1	0.7	8.6	0.6	18	0.3	1.0	1.0	92	0.14	0.061
1204136	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.
1204139	Soil	3.2	124.3	28.3	64	1.1	18.3	12.0	303	2.81	61.7	1.0	8.8	1.3	31	0.3	4.2	1.8	78	0.40	0.103
1204137	Soil	2.9	170.6	58.4	77	1.7	17.4	11.9	315	2.39	142.3	1.3	17.0	0.9	31	0.5	24.8	2.9	65	0.32	0.099
1204138	Soil	2.7	112.7	31.9	59	1.2	17.4	9.9	284	3.02	121.9	1.2	8.5	1.3	31	0.4	19.0	1.9	75	0.35	0.101
1204133	Soil	2.1	35.3	14.1	57	0.1	13.6	6.2	213	3.37	24.3	0.8	1.2	0.5	18	0.3	1.2	1.0	89	0.14	0.070
1204131	Soil	2.3	62.8	27.9	74	0.3	20.6	12.9	327	3.72	89.4	0.7	5.0	1.0	26	0.3	1.5	1.5	86	0.18	0.070

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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
1204339	Soil	9	79	1.04	143	0.120	3	2.90	0.037	0.15	0.2	0.04	5.2	0.4	<0.05	8	<0.5	<0.2
1204147	Soil	13	20	0.20	81	0.036	4	0.96	0.020	0.03	0.3	0.15	2.3	0.2	0.13	3	<0.5	<0.2
1204340	Soil	7	69	0.81	128	0.078	3	2.11	0.030	0.06	0.2	0.06	3.8	0.3	0.06	7	<0.5	<0.2
1204142	Soil	13	41	0.73	120	0.146	3	1.72	0.020	0.12	1.3	0.11	4.5	0.5	<0.05	6	<0.5	<0.2
1204146	Soil	18	35	0.63	128	0.105	3	2.02	0.018	0.06	0.4	0.11	4.5	0.2	<0.05	6	<0.5	<0.2
1204140	Soil	12	34	0.77	148	0.126	3	1.82	0.039	0.16	0.6	0.09	4.9	0.5	<0.05	6	0.7	<0.2
1204141	Soil	10	30	0.57	94	0.089	2	2.05	0.021	0.06	0.6	0.08	3.3	0.4	0.08	6	<0.5	<0.2
1204143	Soil	19	33	0.66	115	0.105	3	1.86	0.024	0.09	4.1	0.10	4.0	0.4	0.06	6	<0.5	<0.2
1204144	Soil	15	34	0.51	118	0.077	25	1.80	0.017	0.05	0.4	0.20	3.6	0.3	0.06	7	<0.5	<0.2
1204145	Soil	17	31	0.49	123	0.080	3	1.56	0.019	0.05	0.6	0.10	3.5	0.2	<0.05	6	<0.5	<0.2
1204314	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.
1204313	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.
1204315	Soil	15	43	0.64	99	0.142	4	1.67	0.025	0.09	7.2	0.05	4.3	0.4	<0.05	5	0.5	<0.2
1204316	Soil	12	28	0.38	94	0.101	4	1.33	0.016	0.05	2.1	0.04	2.7	0.2	<0.05	6	<0.5	<0.2
1204312	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.
1204311	Soil	7	35	0.41	141	0.071	3	1.72	0.011	0.04	0.2	0.09	2.1	0.1	0.08	9	0.5	<0.2
1204310	Soil	6	32	0.26	115	0.065	2	1.15	0.008	0.04	0.1	0.08	1.8	0.1	0.08	8	0.7	<0.2
1204309	Soil	5	28	0.35	189	0.059	3	1.07	0.014	0.07	0.4	0.06	1.7	0.3	0.12	6	0.6	<0.2
1204308	Soil	8	20	0.32	170	0.028	3	1.25	0.016	0.06	1.9	0.12	1.0	0.3	0.17	4	0.6	<0.2
1204306	Soil	11	36	0.51	170	0.104	2	2.33	0.011	0.04	0.5	0.05	3.6	0.5	<0.05	9	<0.5	<0.2
1204305	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.
1204307	Soil	7	20	0.28	182	0.053	4	1.00	0.019	0.04	0.5	0.11	1.3	0.2	0.18	4	0.7	<0.2
1204135	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.
1204134	Soil	7	30	0.24	76	0.063	3	1.64	0.012	0.03	0.2	0.07	1.9	0.2	<0.05	9	0.7	<0.2
1204136	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.
1204139	Soil	9	33	0.60	96	0.114	3	1.65	0.024	0.11	0.6	0.09	3.3	0.4	0.07	6	0.6	<0.2
1204137	Soil	10	31	0.47	89	0.081	3	1.68	0.022	0.06	0.5	0.10	3.1	0.3	0.09	6	0.8	<0.2
1204138	Soil	9	31	0.49	99	0.082	3	1.69	0.019	0.07	0.4	0.10	3.0	0.3	0.09	6	0.6	<0.2
1204133	Soil	8	31	0.24	80	0.063	2	1.77	0.009	0.03	0.2	0.07	1.9	0.2	0.06	9	<0.5	<0.2
1204131	Soil	8	36	0.67	91	0.106	3	2.94	0.018	0.09	2.4	0.07	3.4	0.5	0.08	7	0.8	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000372.2

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	
1204130	Soil		1.8	37.3	12.2	55	0.2	20.7	11.0	340	3.61	47.9	0.6	4.7	0.9	28	0.2	1.3	1.2	83	0.20	0.056
1204129	Soil		2.3	78.3	21.8	53	0.2	32.0	19.1	401	3.99	130.1	0.8	7.2	1.6	38	0.3	4.4	4.9	98	0.29	0.059
1204128	Soil		1.1	52.7	16.5	45	0.5	23.4	17.2	737	2.70	58.0	0.5	2.1	0.3	44	0.7	6.8	2.4	64	0.39	0.067
1204132	Soil		2.2	65.2	21.2	47	0.4	15.2	8.2	296	3.90	95.3	0.9	4.1	0.5	28	0.3	1.6	4.5	100	0.12	0.079
1204323	Soil		3.3	37.0	40.9	60	0.3	17.8	8.4	290	2.41	121.6	4.7	18.3	7.5	20	0.4	6.8	2.0	60	0.30	0.069
1204324	Soil		14.1	78.1	53.1	163	1.3	26.3	17.0	1737	3.26	145.4	15.6	17.3	11.5	28	1.7	22.5	1.8	71	0.38	0.090
1204325	Soil		3.9	78.7	26.5	90	0.4	22.9	10.1	491	2.83	104.6	7.1	5.8	9.3	40	0.4	13.2	1.3	64	0.40	0.083
1204326	Soil		1.2	11.3	6.8	20	0.2	6.0	3.1	128	1.15	10.2	0.8	1.0	1.1	9	0.2	0.5	0.2	31	0.10	0.029
1204327	Soil		1.8	21.9	11.6	35	0.1	11.8	5.0	151	1.70	19.6	0.9	11.1	2.9	14	0.2	0.9	0.5	49	0.15	0.033
1204328	Soil		1.2	30.6	12.1	51	0.2	22.1	7.0	274	2.19	37.9	0.9	12.4	1.2	19	0.3	0.9	1.3	62	0.23	0.041
1204322	Soil		6.3	122.1	66.5	92	1.4	23.5	10.7	599	2.97	178.7	10.1	13.1	12.1	25	0.6	6.9	9.4	70	0.34	0.087
1204321	Soil		2.6	66.4	35.9	66	1.1	27.3	11.0	465	2.69	97.8	4.2	11.5	7.6	21	0.6	3.3	8.7	70	0.34	0.078
1204320	Soil		7.1	100.5	46.3	76	0.8	21.7	10.4	426	2.76	91.1	9.2	9.7	9.7	19	0.5	5.3	8.1	72	0.31	0.069
1204319	Soil		9.2	100.2	121.7	125	1.3	20.6	11.0	507	2.79	398.3	11.5	23.3	7.7	24	0.9	23.8	3.0	65	0.38	0.088
1204318	Soil		3.7	79.6	43.5	63	0.9	22.6	9.9	316	2.75	149.3	3.2	17.6	5.5	21	0.4	6.6	1.7	69	0.28	0.050
1204317	Soil		4.1	29.8	17.2	65	0.2	17.1	7.2	326	2.79	21.4	0.9	3.1	0.7	16	0.3	1.3	0.9	70	0.16	0.044
1204236	Soil		0.7	33.2	8.3	43	0.1	26.0	10.3	158	2.28	9.2	0.7	4.8	0.8	27	0.2	0.5	0.2	64	0.31	0.065
1204238	Soil		0.8	16.8	6.8	22	<0.1	10.9	5.0	130	1.80	7.6	0.4	9.2	0.5	15	0.1	0.4	0.2	58	0.18	0.030
1204237	Soil		0.7	34.8	7.5	50	<0.1	33.6	18.0	329	2.98	11.3	0.4	3.0	1.2	28	0.2	0.5	0.2	94	0.40	0.065
1204239	Soil		0.8	17.9	7.1	39	<0.1	12.9	5.8	185	2.20	7.6	0.3	2.4	0.6	10	0.2	0.4	0.2	60	0.10	0.028
1204235	Soil		0.8	33.0	8.0	48	0.1	41.1	11.8	157	3.40	23.2	0.7	5.3	1.2	29	0.1	0.8	0.2	86	0.30	0.081
1204150	Soil		3.4	38.7	30.6	70	0.4	19.2	9.4	317	2.91	48.6	7.7	10.7	16.9	27	0.2	4.0	1.0	77	0.37	0.077
1204234	Soil		1.0	22.6	9.5	52	0.1	33.7	25.5	749	3.40	12.2	0.6	21.9	1.2	24	0.1	0.5	0.3	110	0.34	0.087
1204233	Soil		5.2	64.3	32.0	60	0.6	23.8	13.2	1205	3.90	135.8	8.4	20.3	10.1	23	0.2	3.7	3.1	87	0.25	0.088
1176887	Soil		1.4	29.8	21.1	46	0.2	17.6	9.8	289	3.09	186.0	0.6	5.3	1.0	25	0.3	1.4	4.0	77	0.18	0.062
1176889	Soil		1.5	47.3	37.8	49	1.5	12.9	9.0	293	2.43	323.9	1.2	10.4	0.5	31	0.3	1.5	5.8	53	0.21	0.087
1176892	Soil		1.8	37.4	15.8	84	0.3	19.4	11.1	1302	2.66	24.7	0.8	1.5	0.1	33	0.7	0.7	0.5	73	0.29	0.086
1176888	Soil		1.1	20.1	9.3	27	0.2	6.4	4.8	193	1.94	167.2	0.3	2.4	0.2	10	0.2	0.6	1.7	50	0.08	0.032
1176885	Soil		1.7	40.7	47.1	79	0.7	17.5	13.0	392	4.14	529.3	0.7	13.9	1.1	39	0.5	3.0	8.7	93	0.20	0.069
1176891	Soil		0.9	24.6	20.7	60	0.1	19.6	10.1	383	3.26	74.4	0.7	2.7	1.2	25	0.3	1.4	1.0	75	0.23	0.076

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000372.2

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
1204130	Soil	6	33	0.58	123	0.082	3	2.28	0.014	0.06	0.2	0.05	2.6	0.5	0.06	8	<0.5	<0.2
1204129	Soil	8	71	0.75	120	0.118	3	2.80	0.021	0.10	0.8	0.07	4.2	0.5	0.06	9	0.6	<0.2
1204128	Soil	5	38	0.33	98	0.056	2	1.42	0.015	0.05	0.2	0.05	1.3	0.3	0.10	7	<0.5	<0.2
1204132	Soil	8	34	0.49	89	0.083	2	1.79	0.022	0.11	0.3	0.09	2.6	0.5	0.14	8	0.5	<0.2
1204323	Soil	12	28	0.47	73	0.080	2	1.43	0.016	0.03	1.5	0.05	2.6	0.1	<0.05	5	<0.5	<0.2
1204324	Soil	17	43	0.59	148	0.085	3	2.30	0.015	0.06	1.6	0.12	5.7	0.3	<0.05	7	<0.5	<0.2
1204325	Soil	18	31	0.59	108	0.079	2	1.70	0.026	0.06	0.9	0.08	3.8	0.2	<0.05	6	<0.5	<0.2
1204326	Soil	4	12	0.16	34	0.049	1	0.65	0.014	0.02	0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
1204327	Soil	5	25	0.28	54	0.082	1	0.83	0.014	0.04	0.6	0.01	1.5	0.1	<0.05	5	<0.5	<0.2
1204328	Soil	7	37	0.54	111	0.084	2	1.39	0.017	0.04	0.4	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
1204322	Soil	21	32	0.54	133	0.077	3	1.78	0.017	0.06	1.4	0.11	3.4	0.2	<0.05	6	<0.5	<0.2
1204321	Soil	14	30	0.53	94	0.093	2	1.63	0.016	0.05	3.2	0.07	2.8	<0.1	<0.05	5	<0.5	<0.2
1204320	Soil	17	30	0.52	95	0.093	2	1.70	0.016	0.04	3.3	0.04	3.0	<0.1	<0.05	5	<0.5	<0.2
1204319	Soil	25	30	0.53	130	0.074	3	1.73	0.015	0.05	1.8	0.08	3.6	0.2	<0.05	5	<0.5	<0.2
1204318	Soil	11	31	0.60	104	0.107	2	1.57	0.016	0.06	1.9	0.04	3.2	0.2	<0.05	5	<0.5	<0.2
1204317	Soil	7	25	0.28	86	0.059	2	1.44	0.014	0.04	0.7	0.05	1.7	0.1	0.06	7	<0.5	<0.2
1204236	Soil	7	42	0.60	95	0.104	2	1.71	0.021	0.06	0.2	0.04	2.5	0.2	<0.05	5	<0.5	<0.2
1204238	Soil	4	29	0.24	48	0.084	<1	1.10	0.013	0.03	0.2	0.06	1.5	0.1	<0.05	5	<0.5	<0.2
1204237	Soil	6	55	0.92	108	0.189	2	1.83	0.027	0.21	0.5	0.03	2.8	0.3	<0.05	6	<0.5	<0.2
1204239	Soil	4	23	0.25	63	0.081	1	1.09	0.013	0.02	0.2	0.04	1.3	<0.1	<0.05	6	<0.5	<0.2
1204235	Soil	8	64	0.77	110	0.139	1	2.05	0.019	0.08	0.3	0.05	2.8	0.3	0.06	6	<0.5	<0.2
1204150	Soil	18	35	0.61	130	0.093	1	1.82	0.017	0.06	0.9	0.08	3.6	0.2	<0.05	7	<0.5	<0.2
1204234	Soil	7	65	0.78	120	0.155	1	1.84	0.026	0.07	0.2	0.05	2.7	0.3	<0.05	6	<0.5	<0.2
1204233	Soil	21	45	0.63	141	0.076	<1	2.04	0.014	0.05	1.2	0.11	3.8	0.4	0.06	7	<0.5	<0.2
1176887	Soil	8	29	0.55	75	0.093	2	2.63	0.018	0.08	0.8	0.07	2.6	0.4	0.07	7	<0.5	0.4
1176889	Soil	10	21	0.39	91	0.048	1	1.86	0.015	0.05	0.2	0.09	1.9	0.3	0.07	5	<0.5	0.6
1176892	Soil	6	24	0.30	163	0.039	1	1.35	0.016	0.04	<0.1	0.07	0.9	0.3	0.09	7	<0.5	<0.2
1176888	Soil	4	12	0.21	45	0.057	<1	0.94	0.014	0.03	0.2	0.03	1.0	0.2	<0.05	5	<0.5	0.4
1176885	Soil	8	33	0.74	93	0.087	2	2.80	0.022	0.10	0.4	0.05	3.5	0.5	0.09	8	0.6	1.0
1176891	Soil	8	29	0.67	84	0.101	1	3.17	0.016	0.08	0.2	0.08	2.7	0.5	0.09	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000372.2

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	
1176890	Soil	2.0	44.3	20.2	64	0.3	15.0	9.9	709	2.88	106.6	0.7	3.6	0.1	26	0.5	1.0	2.4	78	0.19	0.088
1176886	Soil	1.5	29.5	18.7	58	0.1	18.3	11.5	404	3.21	182.7	0.7	3.3	0.9	23	0.3	1.3	2.8	77	0.14	0.068
1176883	Soil	1.5	29.5	15.1	47	0.5	23.0	12.6	381	3.26	521.5	0.7	2.6	0.5	27	0.4	1.0	4.0	71	0.20	0.074
1176884	Soil	1.0	37.3	20.8	54	0.4	23.4	16.8	425	3.59	950.0	0.7	10.5	2.3	34	0.2	2.3	13.1	91	0.23	0.049
1165984	Soil	0.6	31.4	9.1	65	0.1	25.9	13.7	593	3.25	12.0	0.7	3.1	5.4	65	0.2	0.7	0.7	73	2.34	0.073
1165982	Soil	0.4	24.9	6.3	48	<0.1	22.3	9.7	419	2.43	7.5	0.5	4.3	3.6	52	0.1	0.5	0.2	58	1.59	0.082
1165983	Soil	0.7	32.0	14.2	81	0.1	23.0	15.8	703	3.90	14.0	0.8	76.6	8.2	65	0.2	0.9	0.7	89	2.28	0.069
1165980	Soil	0.6	35.4	6.6	47	<0.1	24.7	12.0	442	2.84	6.8	0.5	3.8	4.0	50	0.1	0.4	0.1	68	1.68	0.051
1165981	Soil	0.6	32.4	17.7	58	0.1	22.7	12.4	774	3.01	8.7	0.6	4.9	4.2	86	0.1	0.8	0.1	58	4.15	0.088
1165979	Soil	0.6	32.5	5.6	53	0.1	29.8	12.2	563	2.72	8.1	0.5	10.3	2.9	51	0.1	0.5	0.1	57	1.55	0.079
1165976	Soil	0.4	22.4	10.2	61	<0.1	16.3	12.7	675	3.20	6.1	0.8	1.8	6.8	91	0.1	1.2	<0.1	61	3.74	0.065
1165978	Soil	0.8	24.7	11.3	87	<0.1	17.2	16.4	1420	4.42	8.0	0.8	4.4	10.4	79	<0.1	1.2	0.1	73	3.29	0.075
1165977	Soil	0.3	15.8	9.4	82	<0.1	9.8	13.8	938	4.12	4.3	0.5	1.2	10.2	15	0.1	1.3	<0.1	75	0.51	0.055
1165967	Soil	0.2	27.4	8.8	87	<0.1	15.8	16.7	1013	4.65	6.3	0.8	1.7	11.3	29	<0.1	0.8	<0.1	93	0.62	0.117
1165964	Soil	1.8	43.8	11.6	92	<0.1	11.8	15.7	1254	5.64	53.8	1.2	0.6	16.7	28	0.1	2.5	0.6	131	0.48	0.115
1165973	Soil	0.2	46.3	27.8	148	0.4	47.3	22.6	962	4.32	6.1	0.4	7.9	6.0	45	0.5	1.5	0.7	81	1.00	0.170
1165975	Soil	0.4	21.1	21.2	105	0.2	13.5	12.8	829	3.37	9.8	0.7	15.5	7.1	37	0.6	2.5	0.2	42	1.85	0.040
1165974	Soil	0.2	12.2	6.7	63	<0.1	6.8	13.7	790	3.41	2.2	0.6	1.1	5.9	33	<0.1	0.4	<0.1	73	1.63	0.106
1165971	Soil	0.2	69.6	7.0	96	<0.1	9.7	17.0	1228	4.55	2.6	0.6	2.3	6.1	17	0.1	0.6	<0.1	93	0.45	0.076
1165969	Soil	0.5	13.2	5.9	61	<0.1	7.6	11.6	755	3.50	2.8	0.8	1.7	12.1	35	<0.1	0.5	<0.1	86	0.62	0.084
1165972	Soil	0.3	16.6	7.2	64	<0.1	11.1	11.9	835	3.48	7.6	1.7	6.4	14.4	52	<0.1	0.3	<0.1	80	0.66	0.124
1165970	Soil	0.2	17.0	25.7	85	0.4	10.8	13.9	1014	3.84	7.9	0.6	4.1	11.6	96	0.9	2.4	0.4	61	1.09	0.063
1165968	Soil	0.2	40.0	5.5	53	<0.1	12.2	12.3	627	3.63	4.3	0.7	0.8	10.9	15	<0.1	0.4	<0.1	90	0.52	0.093
1165965	Soil	0.2	12.9	8.7	69	<0.1	10.6	13.4	978	3.63	8.9	1.0	6.6	22.8	22	<0.1	2.6	<0.1	75	0.44	0.087
1165966	Soil	0.6	34.4	27.8	50	0.2	22.0	11.9	509	2.95	7.0	0.5	3.5	5.0	36	<0.1	0.6	0.1	74	0.56	0.039
1165962	Soil	0.4	12.9	7.2	74	<0.1	11.9	14.8	812	4.08	5.5	0.6	<0.5	14.3	20	0.1	0.9	<0.1	101	0.50	0.107
1165963	Soil	0.3	15.1	12.8	83	<0.1	13.0	14.9	1052	4.55	9.8	0.8	1.3	25.6	19	<0.1	2.0	0.1	96	0.48	0.088
1165961	Soil	0.5	29.7	13.5	65	0.2	20.9	13.2	657	3.63	20.2	0.8	3.4	8.6	36	0.1	2.2	0.2	80	0.64	0.118
1165959	Soil	0.4	40.7	10.5	78	0.1	16.1	13.4	929	4.16	8.4	0.9	1.6	19.2	24	<0.1	1.2	0.3	95	0.51	0.091
1165960	Soil	0.3	31.1	10.4	80	<0.1	13.9	14.3	1022	4.85	7.1	0.9	1.4	22.5	23	0.1	1.5	0.5	108	0.58	0.134

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Project: WLF
Report Date: January 04, 2012

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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	
1176890	Soil	8	24	0.35	114	0.049	1	1.82	0.015	0.06	0.2	0.08	1.1	0.3	0.09	8	<0.5	0.3
1176886	Soil	9	31	0.64	92	0.075	2	3.04	0.019	0.06	0.3	0.05	2.8	0.4	0.09	7	<0.5	0.4
1176883	Soil	8	37	0.50	90	0.059	1	2.42	0.014	0.04	0.2	0.06	2.1	0.3	0.10	7	0.5	1.0
1176884	Soil	8	33	0.73	101	0.101	1	2.44	0.028	0.08	1.5	0.05	3.8	0.3	<0.05	6	0.5	2.2
1165984	Soil	14	27	0.99	233	0.131	1	1.61	0.040	0.15	0.2	0.03	4.3	0.2	<0.05	6	<0.5	<0.2
1165982	Soil	13	27	0.63	140	0.089	<1	1.27	0.037	0.08	0.2	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
1165983	Soil	16	24	1.22	284	0.188	2	2.00	0.036	0.23	0.3	0.01	5.8	0.2	<0.05	7	0.7	<0.2
1165980	Soil	13	32	0.70	181	0.121	2	1.87	0.037	0.05	0.1	0.02	5.2	<0.1	<0.05	5	0.5	<0.2
1165981	Soil	14	23	1.00	186	0.071	3	1.57	0.039	0.09	0.2	0.05	4.7	<0.1	<0.05	5	<0.5	<0.2
1165979	Soil	13	29	0.71	182	0.080	3	1.40	0.037	0.06	0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
1165976	Soil	19	21	1.07	106	0.106	1	2.18	0.028	0.07	0.2	0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
1165978	Soil	18	16	1.44	219	0.040	2	2.29	0.023	0.10	0.7	0.02	5.9	<0.1	<0.05	8	0.5	<0.2
1165977	Soil	13	9	1.32	111	0.140	<1	2.16	0.022	0.08	<0.1	<0.01	7.7	<0.1	<0.05	8	<0.5	<0.2
1165967	Soil	18	20	1.34	206	0.122	<1	2.39	0.021	0.17	0.2	0.01	7.3	<0.1	<0.05	9	<0.5	<0.2
1165964	Soil	11	21	1.74	268	0.126	<1	3.00	0.011	0.45	0.2	<0.01	12.7	0.3	<0.05	12	<0.5	<0.2
1165973	Soil	14	54	2.11	221	0.158	<1	2.58	0.043	0.04	0.2	0.02	7.7	<0.1	<0.05	9	<0.5	<0.2
1165975	Soil	16	17	1.03	111	0.015	<1	2.06	0.015	0.08	0.2	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
1165974	Soil	10	9	0.79	253	0.159	<1	1.78	0.029	0.28	0.2	<0.01	4.3	0.1	<0.05	7	<0.5	<0.2
1165971	Soil	19	14	1.38	307	0.056	<1	2.44	0.013	0.20	1.2	0.01	8.6	0.1	<0.05	8	<0.5	<0.2
1165969	Soil	19	13	1.00	379	0.168	<1	1.91	0.055	0.22	0.4	<0.01	6.3	0.2	<0.05	7	<0.5	<0.2
1165972	Soil	21	16	0.76	316	0.174	<1	1.74	0.019	0.38	0.1	<0.01	4.9	0.2	<0.05	7	<0.5	<0.2
1165970	Soil	17	12	1.54	362	0.042	<1	2.37	0.021	0.20	0.8	0.01	6.7	0.2	<0.05	7	0.6	<0.2
1165968	Soil	10	15	0.91	245	0.205	<1	1.89	0.014	0.31	0.1	<0.01	4.2	0.2	<0.05	7	<0.5	<0.2
1165965	Soil	33	11	0.95	417	0.088	<1	1.97	0.014	0.53	0.2	0.01	7.4	0.3	<0.05	8	<0.5	<0.2
1165966	Soil	15	30	0.70	266	0.125	<1	1.84	0.036	0.09	0.1	0.04	5.5	0.1	<0.05	5	<0.5	<0.2
1165962	Soil	12	21	1.11	361	0.277	<1	2.33	0.017	0.71	0.1	<0.01	4.5	0.5	<0.05	8	<0.5	<0.2
1165963	Soil	28	17	1.43	322	0.144	<1	2.44	0.014	0.33	0.1	<0.01	10.2	0.3	<0.05	9	<0.5	<0.2
1165961	Soil	21	30	0.89	215	0.145	2	2.06	0.025	0.37	0.2	0.02	7.2	0.2	<0.05	7	<0.5	<0.2
1165959	Soil	18	20	1.12	295	0.204	<1	2.32	0.023	0.48	0.2	<0.01	7.1	0.4	<0.05	8	<0.5	<0.2
1165960	Soil	25	20	1.42	457	0.292	<1	2.38	0.018	0.81	0.2	<0.01	7.7	0.8	<0.05	9	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	
		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	
1165951	Soil	0.6	13.6	27.2	78	0.2	16.4	14.4	622	3.65	16.2	0.6	<0.5	5.0	42	0.2	1.4	0.1	85	0.53	0.050
1165957	Soil	0.7	18.9	18.2	86	0.2	14.9	13.6	1588	3.57	11.8	0.5	0.5	8.6	48	0.2	2.2	0.2	80	0.56	0.054
1165958	Soil	0.4	39.9	10.5	82	0.1	16.2	13.7	963	4.42	8.8	0.9	3.4	19.5	23	0.1	1.1	0.2	104	0.55	0.105
1165956	Soil	0.3	18.0	21.6	78	<0.1	6.5	10.3	789	3.28	12.1	1.9	3.8	14.2	59	0.1	3.8	0.2	60	1.19	0.055
1165955	Soil	1.1	18.5	9.9	62	0.3	20.4	13.1	1178	2.88	8.7	0.4	1.2	2.5	30	0.2	1.5	0.1	70	0.44	0.032
1165954	Soil	0.3	19.5	22.7	70	<0.1	14.5	14.6	726	4.43	18.1	1.2	2.5	6.1	40	<0.1	5.7	0.2	94	0.90	0.060
1165953	Soil	0.4	33.0	27.9	82	<0.1	20.3	15.1	842	4.18	10.4	1.1	5.4	5.4	39	0.2	2.0	0.1	94	0.72	0.067
1165952	Soil	0.2	15.2	25.2	78	<0.1	10.5	20.5	945	4.93	11.7	0.9	1.2	6.3	71	0.2	2.7	0.1	119	1.33	0.066
1164948	Soil	3.7	194.5	69.2	118	1.5	24.3	13.9	454	3.03	181.0	3.2	31.3	6.1	24	0.8	2.6	4.6	86	0.35	0.084
1176900	Soil	1.3	33.1	10.3	43	0.3	12.8	9.8	442	1.48	6.8	0.3	36.2	<0.1	35	0.7	0.5	0.2	37	0.34	0.118
1176897	Soil	1.8	39.8	21.1	42	0.6	13.8	6.8	405	2.43	46.0	0.7	4.1	0.3	37	0.6	0.9	0.8	63	0.36	0.061
1176898	Soil	1.3	41.5	10.8	60	1.0	21.9	12.3	517	3.20	19.7	0.9	3.8	0.9	20	0.4	0.6	0.5	79	0.19	0.071
1176899	Soil	1.6	42.1	22.8	57	0.3	23.5	12.4	335	3.21	46.3	0.9	7.3	1.4	30	0.2	0.8	0.7	77	0.29	0.048
1164945	Soil	5.0	293.3	53.4	67	1.4	21.5	12.7	338	3.76	143.2	3.1	36.5	5.6	23	0.5	2.8	1.9	92	0.22	0.044
1164944	Soil	9.5	923.9	105.1	178	3.1	24.0	18.4	604	3.73	448.3	4.8	52.5	9.5	41	2.1	12.9	7.0	86	0.39	0.106
1164946	Soil	12.2	402.1	191.2	193	3.8	14.8	9.0	300	2.88	421.4	5.9	46.5	9.7	28	2.2	7.3	9.8	63	0.34	0.069
1164947	Soil	4.0	216.8	105.5	96	1.7	18.6	10.5	313	3.05	278.8	2.7	113.1	6.2	22	1.0	3.8	6.8	86	0.26	0.047
1176893	Soil	9.8	118.5	41.7	74	1.2	19.7	12.9	871	2.58	105.3	6.1	11.0	4.6	34	0.8	5.6	3.9	63	0.40	0.078
1164950	Soil	10.2	247.4	82.5	94	3.1	22.3	10.8	317	2.50	265.6	10.3	57.6	5.2	31	0.9	5.6	3.5	63	0.43	0.072
1163338	Soil	12.1	176.7	27.0	64	1.3	23.5	9.2	187	2.13	25.0	5.0	12.8	3.9	26	0.3	1.0	1.0	65	0.27	0.060



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 Report Date: January 04, 2012

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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	0.1	0.01	0.1	0.05	1	0.5	0.2	
1165951	Soil	6	23	1.07	141	0.151	2	2.86	0.022	0.09	0.2	<0.01	3.5	0.2	<0.05	8	<0.5	<0.2
1165957	Soil	9	25	1.00	391	0.107	<1	2.67	0.019	0.23	0.2	<0.01	5.0	0.3	<0.05	8	<0.5	<0.2
1165958	Soil	18	18	1.22	300	0.234	<1	2.42	0.025	0.58	0.2	<0.01	7.4	0.5	<0.05	9	<0.5	<0.2
1165956	Soil	24	11	1.26	157	0.150	<1	3.00	0.012	0.11	0.5	0.01	6.2	0.2	<0.05	9	<0.5	<0.2
1165955	Soil	8	31	0.68	223	0.117	2	2.16	0.022	0.07	0.1	0.01	3.5	0.1	<0.05	6	<0.5	<0.2
1165954	Soil	11	19	1.62	178	0.208	1	2.81	0.034	0.27	0.3	0.01	5.6	0.6	<0.05	10	<0.5	<0.2
1165953	Soil	16	31	1.39	259	0.185	1	2.67	0.023	0.24	0.2	0.02	7.0	0.2	<0.05	9	<0.5	<0.2
1165952	Soil	20	17	1.80	245	0.226	<1	3.97	0.015	0.27	0.2	0.01	9.7	0.4	<0.05	14	<0.5	<0.2
1164948	Soil	14	37	0.62	132	0.130	2	1.77	0.018	0.10	3.3	0.03	3.3	0.2	<0.05	6	0.9	<0.2
1176900	Soil	4	15	0.21	160	0.019	1	0.82	0.015	0.04	0.4	0.07	0.5	0.3	0.17	4	0.7	<0.2
1176897	Soil	5	21	0.26	123	0.053	<1	1.10	0.012	0.04	0.2	0.05	1.2	0.3	0.09	6	<0.5	<0.2
1176898	Soil	8	34	0.72	98	0.089	2	2.69	0.017	0.05	0.2	0.06	2.6	0.4	0.09	7	0.9	<0.2
1176899	Soil	8	35	0.59	131	0.086	2	2.30	0.014	0.04	0.5	0.04	2.8	0.2	<0.05	6	0.8	<0.2
1164945	Soil	11	36	0.67	115	0.143	1	2.61	0.014	0.08	1.8	0.08	3.2	0.4	<0.05	8	1.3	<0.2
1164944	Soil	30	33	0.75	137	0.131	2	1.95	0.023	0.19	6.6	0.10	4.8	0.5	<0.05	6	1.1	<0.2
1164946	Soil	20	26	0.51	84	0.081	2	1.49	0.017	0.08	3.3	0.10	3.0	0.3	<0.05	6	1.2	<0.2
1164947	Soil	11	31	0.56	95	0.134	1	1.42	0.016	0.06	7.2	0.04	2.7	0.2	<0.05	6	0.8	<0.2
1176893	Soil	18	31	0.55	159	0.078	2	1.75	0.017	0.05	1.1	0.08	3.4	0.3	<0.05	5	1.0	<0.2
1164950	Soil	23	31	0.52	117	0.078	2	1.58	0.022	0.06	1.0	0.06	3.0	0.2	<0.05	6	1.1	<0.2
1163338	Soil	14	41	0.74	118	0.105	1	2.15	0.016	0.08	0.4	0.06	4.3	0.3	<0.05	6	1.1	<0.2



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QUALITY CONTROL REPORT

DAW11000372.2

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																					
1204106	Soil	3.2	52.8	18.5	65	0.3	23.0	10.8	380	2.85	34.6	2.1	4.5	6.7	19	0.4	2.7	1.9	78	0.30	0.050
REP 1204106	QC	3.3	53.7	18.2	66	0.3	24.2	11.5	380	2.92	34.7	2.1	3.4	6.9	20	0.4	2.6	2.1	80	0.32	0.049
1204455	Soil	0.7	13.9	7.6	52	<0.1	18.1	11.0	319	3.05	6.6	0.6	3.6	3.5	30	<0.1	0.4	0.1	85	0.43	0.050
REP 1204455	QC	0.7	13.8	7.6	51	<0.1	17.7	11.1	316	3.12	6.4	0.6	3.5	3.6	30	<0.1	0.4	0.1	87	0.42	0.050
1204464	Soil	0.5	17.6	11.1	57	<0.1	16.7	10.1	386	2.87	4.4	1.1	1.2	8.3	42	0.2	0.3	0.1	73	0.52	0.057
REP 1204464	QC	0.5	17.4	10.2	55	<0.1	15.5	10.1	372	2.74	4.1	1.0	1.3	7.6	40	<0.1	0.3	0.1	67	0.49	0.055
1204457	Soil	0.7	20.1	7.2	43	<0.1	16.5	10.1	489	2.45	6.4	1.1	11.2	2.9	36	<0.1	0.3	0.1	63	0.62	0.046
REP 1204457	QC	0.7	21.1	8.0	45	0.1	16.8	10.3	506	2.50	7.0	1.1	3.9	3.1	37	<0.1	0.4	0.1	67	0.67	0.050
1165780	Soil	0.7	22.4	10.3	62	0.1	22.4	12.9	344	3.23	9.3	1.3	5.0	6.7	40	<0.1	1.2	0.2	79	0.55	0.046
REP 1165780	QC	0.7	23.4	10.3	62	0.1	23.3	12.9	353	3.26	9.4	1.4	4.7	6.8	41	<0.1	1.2	0.2	79	0.56	0.046
1165778	Soil	0.6	18.7	11.4	39	0.4	11.5	11.4	596	2.46	8.7	1.6	2.0	6.2	37	0.2	1.1	0.2	66	0.53	0.047
REP 1165778	QC	0.8	17.2	11.5	36	0.4	11.5	11.0	593	2.53	8.7	1.7	5.7	6.2	39	0.2	1.1	0.1	67	0.54	0.049
1165773	Soil	0.6	22.9	21.5	58	0.1	17.3	10.6	386	3.01	10.0	1.0	3.0	8.3	34	0.1	0.8	0.5	80	0.54	0.035
REP 1165773	QC	0.6	23.5	22.0	61	0.1	17.8	10.9	396	3.11	9.9	1.1	4.1	8.5	35	0.1	0.9	0.7	86	0.56	0.038
1202215	Soil	1.1	14.8	6.8	53	<0.1	18.8	12.4	608	3.09	7.6	0.5	0.6	3.1	30	0.2	0.5	0.1	70	0.58	0.029
REP 1202215	QC	1.1	15.2	7.1	55	<0.1	19.1	12.8	613	3.18	7.7	0.5	<0.5	3.1	31	0.1	0.5	0.1	74	0.57	0.030
1165716	Soil	0.6	33.1	22.9	113	0.1	12.0	18.0	923	5.21	10.3	0.9	<0.5	10.2	40	0.3	1.0	0.3	129	0.70	0.031
REP 1165716	QC	0.6	31.9	23.2	114	0.1	11.8	17.4	887	5.08	10.4	0.9	<0.5	10.1	39	0.2	1.1	0.3	122	0.69	0.032
1165703	Soil	3.2	51.4	19.8	81	<0.1	24.4	16.0	807	6.14	37.9	1.8	2.2	18.3	64	0.2	2.6	1.6	166	0.60	0.084
REP 1165703	QC	3.3	51.5	18.7	81	<0.1	23.1	15.4	787	5.95	37.0	1.8	<0.5	17.8	64	0.2	2.4	1.5	166	0.60	0.085
1204287	Soil	9.5	228.4	39.1	83	1.1	19.9	13.4	415	3.31	168.9	1.5	12.3	3.8	45	0.4	12.8	6.0	92	0.64	0.108
REP 1204287	QC	9.8	226.8	39.0	81	1.1	19.6	13.4	397	3.22	166.1	1.4	17.2	3.7	43	0.3	13.1	5.7	89	0.62	0.103
1204334	Soil	0.7	34.6	12.8	62	<0.1	39.5	22.4	365	3.95	23.0	0.5	5.9	2.2	70	0.1	1.4	0.4	105	0.64	0.065
REP 1204334	QC	0.7	35.5	12.8	62	<0.1	39.3	21.9	364	3.91	23.0	0.5	7.6	2.2	70	<0.1	1.4	0.4	105	0.64	0.066
1204335	Soil	0.6	63.3	10.7	57	<0.1	33.4	19.8	276	3.91	20.3	0.6	3.3	2.3	40	0.2	1.0	0.4	107	0.41	0.036
REP 1204335	QC	0.7	63.9	10.9	57	<0.1	33.5	20.6	279	3.92	20.2	0.6	12.9	2.3	41	0.1	1.0	0.4	108	0.43	0.036
1204323	Soil	3.3	37.0	40.9	60	0.3	17.8	8.4	290	2.41	121.6	4.7	18.3	7.5	20	0.4	6.8	2.0	60	0.30	0.069
REP 1204323	QC	3.3	37.1	41.3	60	0.3	17.8	8.7	286	2.42	121.3	4.8	10.2	7.6	20	0.4	6.7	2.3	61	0.31	0.069

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Project: WLF
 Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000372.2

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																		
1204106	Soil	11	32	0.54	85	0.108	2	1.46	0.018	0.05	1.2	0.07	2.8	0.1	<0.05	5	<0.5	<0.2
REP 1204106	QC	11	33	0.56	86	0.111	2	1.48	0.022	0.05	1.2	0.06	3.0	0.1	<0.05	5	<0.5	<0.2
1204455	Soil	9	32	0.65	129	0.133	1	2.12	0.021	0.05	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
REP 1204455	QC	9	33	0.64	132	0.136	1	2.08	0.022	0.05	0.1	0.02	3.2	<0.1	<0.05	7	<0.5	<0.2
1204464	Soil	16	31	0.69	204	0.127	1	1.94	0.022	0.08	0.2	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
REP 1204464	QC	16	28	0.71	204	0.115	<1	1.86	0.023	0.08	0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
1204457	Soil	13	28	0.51	196	0.089	<1	1.58	0.024	0.04	0.1	0.04	3.7	<0.1	<0.05	5	0.7	<0.2
REP 1204457	QC	13	29	0.54	201	0.094	2	1.67	0.024	0.04	0.2	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
1165780	Soil	16	42	0.72	147	0.118	1	2.28	0.033	0.06	<0.1	0.02	5.0	<0.1	<0.05	6	0.7	<0.2
REP 1165780	QC	16	42	0.72	149	0.122	<1	2.38	0.035	0.06	<0.1	0.02	5.0	<0.1	<0.05	6	0.7	<0.2
1165778	Soil	26	21	0.49	188	0.125	1	2.01	0.033	0.06	0.1	0.03	3.7	<0.1	<0.05	6	0.6	<0.2
REP 1165778	QC	26	21	0.52	185	0.149	2	2.01	0.037	0.07	0.1	0.03	3.7	<0.1	<0.05	6	1.3	<0.2
1165773	Soil	23	30	0.70	279	0.188	2	2.09	0.028	0.06	0.2	0.01	5.1	0.1	0.06	7	<0.5	<0.2
REP 1165773	QC	24	27	0.73	289	0.198	2	2.23	0.034	0.06	0.2	0.02	5.4	0.2	0.12	7	<0.5	<0.2
1202215	Soil	9	33	0.61	201	0.094	2	1.91	0.025	0.09	0.1	<0.01	4.8	<0.1	0.12	6	<0.5	<0.2
REP 1202215	QC	9	36	0.63	209	0.096	2	2.00	0.027	0.10	0.1	0.01	4.8	<0.1	0.11	6	<0.5	<0.2
1165716	Soil	14	24	1.53	263	0.357	<1	3.37	0.025	0.22	0.2	<0.01	10.6	0.3	<0.05	12	<0.5	<0.2
REP 1165716	QC	14	23	1.55	257	0.345	2	3.41	0.024	0.22	0.2	0.01	10.2	0.3	<0.05	11	<0.5	<0.2
1165703	Soil	20	46	1.93	262	0.275	1	3.35	0.023	0.78	0.2	<0.01	12.9	0.9	<0.05	11	0.7	<0.2
REP 1165703	QC	20	46	1.85	258	0.262	<1	3.16	0.023	0.74	0.2	0.01	12.6	0.9	<0.05	11	<0.5	<0.2
1204287	Soil	14	36	0.72	133	0.143	3	1.59	0.036	0.16	1.3	0.08	4.5	0.5	<0.05	6	<0.5	<0.2
REP 1204287	QC	14	34	0.73	131	0.137	3	1.54	0.034	0.15	1.3	0.07	4.6	0.5	<0.05	5	<0.5	<0.2
1204334	Soil	11	64	0.93	98	0.196	<1	2.31	0.053	0.20	<0.1	<0.01	6.6	0.2	<0.05	7	<0.5	<0.2
REP 1204334	QC	11	63	0.92	97	0.200	<1	2.26	0.053	0.20	<0.1	<0.01	6.3	0.1	<0.05	7	<0.5	<0.2
1204335	Soil	11	46	0.79	121	0.173	2	2.36	0.030	0.08	0.2	0.02	6.1	0.2	<0.05	6	<0.5	<0.2
REP 1204335	QC	11	47	0.81	116	0.172	2	2.46	0.031	0.09	0.2	0.02	6.4	0.2	<0.05	6	<0.5	<0.2
1204323	Soil	12	28	0.47	73	0.080	2	1.43	0.016	0.03	1.5	0.05	2.6	0.1	<0.05	5	<0.5	<0.2
REP 1204323	QC	12	29	0.47	75	0.081	2	1.41	0.018	0.04	1.7	0.06	2.7	0.1	<0.05	5	<0.5	<0.2

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Project: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000372.2

		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
1176884	Soil	1.0	37.3	20.8	54	0.4	23.4	16.8	425	3.59	950.0	0.7	10.5	2.3	34	0.2	2.3	13.1	91	0.23	0.049
REP 1176884	QC	1.1	39.3	21.2	55	0.5	23.2	17.8	431	3.69	990.3	0.7	11.8	2.2	36	0.3	2.4	13.8	92	0.25	0.051
1165970	Soil	0.2	17.0	25.7	85	0.4	10.8	13.9	1014	3.84	7.9	0.6	4.1	11.6	96	0.9	2.4	0.4	61	1.09	0.063
REP 1165970	QC	0.2	16.8	24.6	84	0.3	10.6	13.8	975	3.81	7.5	0.6	5.7	11.9	93	0.9	2.7	0.4	58	1.04	0.060
1165951	Soil	0.6	13.6	27.2	78	0.2	16.4	14.4	622	3.65	16.2	0.6	<0.5	5.0	42	0.2	1.4	0.1	85	0.53	0.050
REP 1165951	QC	0.6	15.3	26.8	79	0.2	17.9	15.4	659	3.86	17.2	0.6	0.9	5.1	42	0.2	1.8	0.1	92	0.57	0.050
1164944	Soil	9.5	923.9	105.1	178	3.1	24.0	18.4	604	3.73	448.3	4.8	52.5	9.5	41	2.1	12.9	7.0	86	0.39	0.106
REP 1164944	QC	9.3	942.9	105.8	184	3.1	24.2	18.3	620	3.76	460.9	4.8	43.7	9.7	43	2.0	13.0	7.7	88	0.39	0.105
Reference Materials																					
STD DS8	Standard	13.8	116.8	120.3	327	1.8	40.4	8.0	634	2.57	26.7	2.8	117.9	6.9	66	2.5	5.9	6.5	45	0.73	0.081
STD DS8	Standard	13.1	102.4	123.6	299	1.5	35.2	7.0	597	2.37	25.2	2.8	172.1	7.4	73	2.1	5.3	6.9	40	0.68	0.079
STD DS8	Standard	14.3	112.0	122.2	312	1.7	39.5	8.0	631	2.52	24.0	2.8	107.4	7.3	65	2.2	5.4	6.3	45	0.72	0.079
STD DS8	Standard	14.7	119.5	131.1	317	1.8	39.9	8.3	658	2.66	26.7	3.0	124.8	7.2	73	2.5	6.1	7.1	47	0.71	0.078
STD DS8	Standard	13.7	113.4	117.6	310	1.8	38.0	7.6	597	2.36	24.8	2.5	106.8	6.3	63	2.4	5.4	6.0	41	0.69	0.074
STD DS8	Standard	13.2	114.8	124.2	312	1.8	39.1	7.6	607	2.44	26.0	2.7	101.5	6.5	65	2.3	5.6	6.6	41	0.67	0.077
STD DS8	Standard	13.4	113.0	117.6	283	1.6	39.0	7.7	563	2.29	22.6	2.6	113.7	6.5	60	1.9	4.9	6.0	43	0.63	0.070
STD DS8	Standard	13.4	115.0	127.8	311	1.8	39.3	7.8	608	2.51	25.0	3.0	113.6	7.0	72	2.3	6.1	7.3	42	0.69	0.074
STD DS8	Standard	14.5	112.9	126.3	314	1.7	37.8	7.6	650	2.54	26.9	3.1	114.6	7.7	74	2.4	6.0	7.1	46	0.73	0.075
STD DS8	Standard	13.6	107.5	118.6	315	1.8	37.8	7.4	625	2.48	24.3	2.8	110.2	7.1	74	2.3	5.7	6.6	43	0.75	0.076
STD DS8	Standard	12.7	107.4	121.5	311	1.8	37.8	7.2	587	2.43	23.5	2.6	112.1	6.2	64	2.3	5.2	6.3	39	0.67	0.078
STD DS8	Standard	12.9	108.4	121.4	294	1.6	37.7	7.5	577	2.34	23.0	2.9	98.8	6.7	64	2.2	5.4	6.5	42	0.65	0.073
STD DS8	Standard	13.1	106.5	122.7	306	1.7	38.0	7.1	612	2.44	23.7	2.6	113.8	6.2	70	2.2	5.9	6.5	41	0.69	0.078
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

DAW11000372.2

		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
1176884	Soil	8	33	0.73	101	0.101	1	2.44	0.028	0.08	1.5	0.05	3.8	0.3	<0.05	6	0.5	2.2
REP 1176884	QC	9	34	0.73	103	0.107	1	2.56	0.029	0.08	1.4	0.05	4.1	0.3	<0.05	6	<0.5	2.3
1165970	Soil	17	12	1.54	362	0.042	<1	2.37	0.021	0.20	0.8	0.01	6.7	0.2	<0.05	7	0.6	<0.2
REP 1165970	QC	17	12	1.49	358	0.048	<1	2.25	0.020	0.19	0.9	<0.01	6.5	0.2	<0.05	7	<0.5	<0.2
1165951	Soil	6	23	1.07	141	0.151	2	2.86	0.022	0.09	0.2	<0.01	3.5	0.2	<0.05	8	<0.5	<0.2
REP 1165951	QC	7	24	1.12	149	0.187	2	2.93	0.024	0.10	0.3	<0.01	3.7	0.2	<0.05	8	<0.5	<0.2
1164944	Soil	30	33	0.75	137	0.131	2	1.95	0.023	0.19	6.6	0.10	4.8	0.5	<0.05	6	1.1	<0.2
REP 1164944	QC	30	34	0.78	138	0.135	2	1.96	0.024	0.19	5.8	0.10	5.0	0.5	<0.05	6	1.1	<0.2
Reference Materials																		
STD DS8	Standard	16	127	0.64	290	0.122	3	0.99	0.099	0.43	3.3	0.22	2.5	5.6	0.17	5	5.5	5.4
STD DS8	Standard	17	111	0.60	288	0.113	<1	0.92	0.104	0.41	2.9	0.15	2.7	5.1	0.09	5	5.3	4.9
STD DS8	Standard	17	121	0.62	284	0.124	3	0.94	0.093	0.41	3.2	0.19	2.6	5.4	0.23	5	5.1	5.0
STD DS8	Standard	15	126	0.62	279	0.126	3	0.93	0.107	0.45	3.3	0.22	2.6	5.7	0.18	5	6.0	5.1
STD DS8	Standard	15	117	0.59	276	0.116	2	0.92	0.094	0.41	2.9	0.17	2.2	5.2	0.16	5	4.4	5.2
STD DS8	Standard	14	121	0.61	272	0.111	2	0.90	0.094	0.40	2.9	0.22	2.1	5.4	0.16	5	5.3	4.8
STD DS8	Standard	14	117	0.57	256	0.116	2	0.84	0.089	0.39	2.8	0.18	2.5	5.0	0.10	4	4.6	4.2
STD DS8	Standard	15	121	0.63	291	0.120	2	0.97	0.139	0.48	3.1	0.19	3.2	5.6	0.14	5	6.1	4.8
STD DS8	Standard	18	123	0.64	294	0.133	3	1.00	0.105	0.45	3.2	0.19	2.6	5.8	0.16	5	5.4	5.5
STD DS8	Standard	18	116	0.59	293	0.125	3	0.95	0.111	0.44	3.0	0.21	2.7	5.2	0.17	5	5.8	4.8
STD DS8	Standard	15	111	0.58	268	0.107	3	0.88	0.108	0.42	2.7	0.18	1.6	5.4	0.18	5	5.2	5.2
STD DS8	Standard	16	117	0.59	266	0.111	2	0.89	0.085	0.38	2.8	0.17	2.3	5.0	0.14	5	4.8	4.7
STD DS8	Standard	16	117	0.62	276	0.116	2	0.90	0.085	0.41	3.0	0.21	2.0	5.4	0.14	5	5.4	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

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Project: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000372.2

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



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Project: WLF

Report Date: January 04, 2012

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

DAW11000372.2

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



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Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 09, 2011
Report Date: January 04, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

DAW11000373.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-02
P.O. Number
Number of Samples: 139

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
DISP-RJT Dispose of Reject After 90 days

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

Invoice To: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

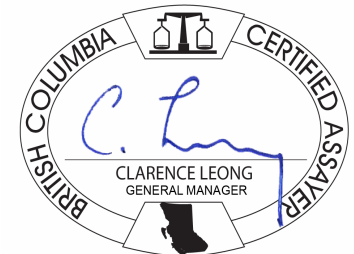
CC: Peter Tallman

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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: WLF
 Report Date: January 04, 2012

Page: 2 of 6 Part 1

CERTIFICATE OF ANALYSIS

DAW11000373.2

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	
1202093	Soil	1.0	21.0	8.7	51	<0.1	22.2	11.3	363	3.23	7.0	0.8	2.4	5.8	33	<0.1	0.5	0.1	76	0.37	0.022
1202099	Soil	0.9	24.3	8.4	50	<0.1	25.7	14.5	386	3.29	7.1	0.6	<0.5	8.0	27	<0.1	0.5	0.1	84	0.33	0.036
1202097	Soil	0.7	21.2	9.0	62	<0.1	19.4	14.0	524	3.83	6.5	0.6	<0.5	9.7	25	<0.1	0.5	0.1	91	0.31	0.017
1202101	Soil	0.9	23.5	8.5	48	<0.1	23.9	11.2	295	3.05	7.1	1.0	0.7	4.9	36	<0.1	0.4	0.2	78	0.40	0.025
1202095	Soil	0.7	23.6	8.8	52	<0.1	20.8	11.3	456	3.17	6.0	1.6	2.6	10.9	34	<0.1	0.5	0.1	81	0.46	0.044
1202092	Soil	0.7	25.7	8.4	46	<0.1	22.7	11.2	346	3.01	6.5	1.1	1.5	5.1	37	<0.1	0.5	0.2	78	0.50	0.032
1202094	Soil	0.7	28.1	14.7	50	<0.1	18.6	9.7	350	2.82	4.9	0.8	0.8	5.2	31	<0.1	0.3	0.3	69	0.41	0.039
1202007	Soil	0.7	37.2	12.8	50	0.2	20.5	13.5	339	2.86	30.8	2.1	3.3	5.0	43	0.1	3.8	0.5	77	0.77	0.059
1202009	Soil	0.5	25.0	11.1	47	0.1	17.3	9.4	313	2.57	29.6	1.3	3.7	3.1	39	<0.1	1.7	0.3	67	0.80	0.067
1202011	Soil	0.4	21.6	9.4	50	<0.1	18.6	9.7	312	2.53	14.0	0.8	2.6	2.9	36	<0.1	0.8	0.2	73	0.64	0.053
1202012	Soil	0.5	23.8	10.1	51	0.1	20.5	12.1	345	2.78	17.1	1.1	3.5	3.1	33	<0.1	0.9	0.2	72	0.55	0.057
1202008	Soil	0.5	33.9	9.7	55	0.1	23.8	12.6	345	2.85	20.5	1.7	12.9	4.4	41	<0.1	2.2	0.3	77	0.75	0.059
1202010	Soil	0.7	23.3	9.2	47	0.1	19.0	12.1	768	2.50	18.3	1.0	3.3	2.3	43	0.1	0.9	0.3	70	0.86	0.066
1202006	Soil	1.7	24.2	13.6	51	0.2	20.4	13.4	504	3.18	27.3	0.7	1.3	3.4	37	0.2	2.6	0.5	87	0.49	0.037
1202005	Soil	1.3	19.6	9.5	50	0.1	21.3	12.4	628	3.07	16.4	0.6	10.6	3.1	27	0.1	0.7	0.2	77	0.32	0.032
1202004	Soil	0.6	31.0	8.6	58	0.1	24.5	12.8	436	3.35	14.6	1.6	2.4	7.6	43	<0.1	0.8	0.3	87	0.54	0.043
1164949	Soil	2.0	13.5	11.2	23	0.4	4.8	2.3	61	1.02	20.7	0.4	5.4	0.7	9	0.1	0.5	0.5	38	0.07	0.018
1163337	Soil	13.9	294.3	333.1	121	2.8	28.6	13.4	410	3.23	462.1	7.8	36.6	8.6	29	1.0	9.7	3.8	81	0.40	0.055
1202090	Soil	0.8	21.1	8.1	57	<0.1	22.0	13.7	444	3.26	7.3	1.4	5.5	5.7	36	<0.1	0.4	0.1	84	0.46	0.040
1202091	Soil	0.7	23.4	8.4	52	<0.1	20.7	10.9	327	3.10	7.0	1.1	1.1	5.7	40	<0.1	0.4	0.1	80	0.52	0.042
1202100	Soil	1.0	22.8	10.4	50	<0.1	25.3	12.8	263	3.48	9.5	1.0	2.4	8.1	25	<0.1	0.5	0.2	84	0.32	0.036
1202098	Soil	0.7	23.0	8.7	63	<0.1	21.8	14.1	505	3.86	6.9	0.7	<0.5	9.2	27	<0.1	0.5	0.1	92	0.33	0.017
1202096	Soil	0.7	21.1	7.0	52	<0.1	22.7	11.3	314	2.91	5.7	0.7	2.0	6.7	29	0.2	0.3	0.1	80	0.40	0.038
1202003	Soil	1.0	26.7	20.8	58	0.2	27.4	15.5	388	3.84	115.9	0.6	7.0	4.3	29	0.2	2.6	0.4	90	0.39	0.028
1202001	Soil	0.9	23.7	19.8	57	0.3	23.6	11.4	387	3.04	63.7	0.8	6.0	3.5	31	0.3	22.1	0.2	77	0.53	0.047
1202002	Soil	0.8	24.9	31.3	69	0.3	24.1	10.8	339	2.85	71.4	0.6	5.3	2.8	30	0.3	8.6	0.2	71	0.48	0.043
1202121	Soil	0.8	17.9	9.6	46	<0.1	14.1	10.2	435	2.86	4.0	0.8	5.6	4.1	39	<0.1	0.4	0.2	81	0.48	0.039
1202120	Soil	1.3	16.1	8.7	56	<0.1	17.8	13.2	607	3.47	7.6	0.5	1.0	3.7	20	<0.1	0.7	0.2	79	0.31	0.040
1204199	Soil	0.7	24.3	9.4	44	0.1	19.8	9.7	310	2.77	6.3	0.8	1.3	3.8	36	<0.1	0.4	0.1	75	0.55	0.034
1204240	Soil	0.6	12.3	7.7	44	<0.1	14.9	8.5	260	2.30	3.9	0.9	<0.5	5.7	27	<0.1	0.3	0.1	62	0.42	0.042

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 Report Date: January 04, 2012

Page: 2 of 6 Part 2

CERTIFICATE OF ANALYSIS

DAW11000373.2

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	
1202093	Soil	14	38	0.64	175	0.088	3	2.33	0.017	0.04	<0.1	0.01	4.6	<0.1	<0.05	7	0.9	<0.2
1202099	Soil	12	35	0.67	237	0.117	2	2.70	0.019	0.07	0.1	0.01	4.6	0.1	<0.05	7	0.7	<0.2
1202097	Soil	15	31	0.94	230	0.107	<1	2.94	0.014	0.06	<0.1	0.01	6.4	0.1	<0.05	8	<0.5	<0.2
1202101	Soil	13	37	0.65	251	0.131	2	2.33	0.021	0.04	<0.1	<0.01	5.3	0.1	<0.05	7	0.6	<0.2
1202095	Soil	23	34	0.67	199	0.128	<1	2.05	0.020	0.06	0.1	0.02	7.6	<0.1	<0.05	7	1.1	<0.2
1202092	Soil	17	39	0.63	246	0.121	<1	2.29	0.024	0.04	0.1	0.01	8.0	<0.1	<0.05	7	1.0	<0.2
1202094	Soil	14	28	0.68	217	0.096	<1	2.05	0.019	0.05	0.1	0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
1202007	Soil	17	32	0.65	171	0.134	2	2.06	0.028	0.07	0.2	0.04	6.5	0.2	<0.05	6	0.8	<0.2
1202009	Soil	12	29	0.54	177	0.103	2	1.80	0.026	0.04	0.2	0.04	5.0	0.1	<0.05	5	0.8	<0.2
1202011	Soil	11	32	0.58	173	0.102	<1	1.95	0.023	0.04	0.2	0.03	4.7	0.1	<0.05	6	1.0	<0.2
1202012	Soil	12	33	0.62	178	0.104	1	2.09	0.023	0.05	0.1	0.03	4.9	<0.1	<0.05	6	1.6	<0.2
1202008	Soil	15	32	0.64	190	0.130	<1	1.94	0.032	0.06	0.2	0.04	5.7	0.1	<0.05	6	1.2	<0.2
1202010	Soil	10	29	0.54	201	0.089	<1	1.80	0.025	0.04	0.2	0.04	4.4	<0.1	<0.05	6	1.2	<0.2
1202006	Soil	11	34	0.55	202	0.111	<1	2.73	0.017	0.06	0.1	0.03	3.9	0.2	<0.05	8	0.8	<0.2
1202005	Soil	8	31	0.57	176	0.106	<1	2.40	0.015	0.05	0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
1202004	Soil	21	37	0.73	250	0.140	<1	2.48	0.027	0.06	0.1	0.02	7.1	0.1	<0.05	7	0.5	<0.2
1164949	Soil	3	9	0.08	36	0.057	<1	0.37	0.016	0.03	0.2	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1163337	Soil	17	49	0.70	122	0.131	1	1.89	0.027	0.12	2.4	0.03	4.9	0.3	<0.05	6	0.5	<0.2
1202090	Soil	19	36	0.68	247	0.131	<1	2.30	0.030	0.04	<0.1	0.03	5.8	<0.1	<0.05	7	<0.5	<0.2
1202091	Soil	18	38	0.67	195	0.151	2	2.21	0.027	0.04	0.1	0.01	6.4	<0.1	<0.05	6	<0.5	<0.2
1202100	Soil	12	41	0.64	256	0.127	2	3.09	0.024	0.06	<0.1	0.02	5.5	0.1	<0.05	7	0.6	<0.2
1202098	Soil	14	35	0.91	230	0.101	<1	3.09	0.016	0.06	<0.1	0.02	6.4	0.1	<0.05	8	0.7	<0.2
1202096	Soil	11	34	0.75	256	0.147	1	2.33	0.027	0.08	<0.1	0.02	4.4	0.1	<0.05	6	<0.5	<0.2
1202003	Soil	9	39	0.67	200	0.120	3	3.34	0.017	0.06	<0.1	0.01	5.1	0.1	<0.05	9	<0.5	<0.2
1202001	Soil	12	34	0.64	200	0.094	<1	2.38	0.019	0.05	0.1	0.03	4.7	0.1	<0.05	7	1.0	<0.2
1202002	Soil	11	34	0.66	180	0.105	1	2.29	0.019	0.05	0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
1202121	Soil	10	23	0.60	247	0.169	<1	2.34	0.024	0.09	0.1	0.01	4.1	0.1	<0.05	7	0.7	<0.2
1202120	Soil	8	30	0.69	193	0.068	<1	2.57	0.014	0.12	0.1	<0.01	5.6	0.1	<0.05	8	0.6	<0.2
1204199	Soil	13	32	0.54	251	0.140	<1	2.05	0.036	0.06	0.1	<0.01	4.7	<0.1	<0.05	7	0.8	<0.2
1204240	Soil	18	23	0.51	244	0.127	<1	1.84	0.023	0.08	0.1	0.01	3.5	0.1	<0.05	6	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	%	%	
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	
1202118	Soil	1.1	17.9	7.2	72	<0.1	22.8	12.1	675	3.09	5.7	0.4	<0.5	2.5	24	0.2	0.6	0.1	77	0.28	0.029
1202117	Soil	0.7	22.4	6.8	119	<0.1	8.8	26.4	750	6.81	4.6	0.8	0.6	4.0	60	0.1	1.3	<0.1	140	1.42	0.316
1202115	Soil	0.5	21.9	7.4	54	<0.1	16.2	12.3	471	3.51	6.3	0.7	0.6	11.2	32	<0.1	0.9	<0.1	90	0.48	0.039
1202119	Soil	3.1	26.7	10.3	70	<0.1	18.9	15.1	689	4.24	5.9	1.3	5.2	9.8	34	<0.1	0.7	0.1	91	0.64	0.074
1202116	Soil	1.0	17.0	8.0	61	<0.1	23.6	13.2	639	3.36	7.2	0.4	1.7	2.3	31	0.1	0.5	0.2	82	0.35	0.021
1202031	Soil	0.9	27.9	10.8	61	<0.1	11.6	14.1	496	3.90	21.2	1.2	5.7	9.7	21	0.2	2.9	1.7	97	0.40	0.093
1204359	Soil	0.6	27.7	9.5	85	0.1	25.1	12.4	358	3.05	11.5	0.6	2.7	4.6	32	0.8	2.3	0.5	76	0.51	0.053
1202032	Soil	0.7	30.1	9.2	48	0.1	22.4	9.8	329	2.71	9.0	0.5	3.0	3.8	35	<0.1	0.6	0.6	64	0.54	0.066
1204358	Soil	0.9	29.8	11.8	45	0.5	15.6	10.5	322	3.02	12.0	1.0	6.8	5.3	26	<0.1	0.8	1.8	83	0.41	0.045
1202030	Soil	0.8	20.5	10.1	58	<0.1	13.3	13.0	418	3.77	12.2	0.8	30.0	7.4	17	0.1	2.2	1.4	94	0.30	0.079
1202114	Soil	0.4	23.6	8.7	54	<0.1	13.8	12.3	532	3.58	5.7	0.7	1.4	12.0	32	<0.1	1.0	<0.1	95	0.53	0.045
1202029	Soil	1.2	16.8	10.6	50	<0.1	20.7	12.8	280	3.41	10.4	0.5	1.4	3.4	21	0.1	0.7	0.3	83	0.28	0.041
1202028	Soil	0.9	26.4	8.5	47	<0.1	24.8	11.5	322	3.12	7.9	1.0	1.9	4.9	29	0.1	0.6	0.6	78	0.38	0.036
1202027	Soil	1.0	22.7	10.0	52	0.1	22.0	11.4	301	3.66	10.1	0.7	2.9	4.3	27	0.1	0.7	1.1	93	0.33	0.042
1202026	Soil	0.8	34.7	23.6	56	0.5	21.4	15.9	444	3.69	39.3	0.8	8.7	6.5	29	0.1	1.9	6.5	90	0.38	0.046
1202025	Soil	0.7	19.2	10.5	46	<0.1	21.0	11.2	324	3.29	12.7	0.6	4.9	4.0	32	<0.1	0.8	0.3	86	0.42	0.028
1202024	Soil	0.9	15.6	11.8	52	0.1	18.2	12.5	365	3.21	12.7	0.6	1.4	5.2	27	0.1	1.0	0.4	86	0.37	0.047
1202109	Soil	1.4	22.1	8.9	49	<0.1	23.5	13.6	814	3.29	6.7	0.9	2.1	4.3	36	<0.1	0.5	0.1	76	0.49	0.047
1202112	Soil	0.5	22.3	6.7	42	0.1	20.5	9.1	304	2.54	18.0	0.8	1.8	4.3	31	<0.1	0.7	0.1	62	0.49	0.051
1202110	Soil	0.5	19.3	8.7	46	<0.1	19.7	10.2	354	2.80	5.5	0.9	7.2	7.2	33	<0.1	0.3	0.1	65	0.47	0.038
1202108	Soil	0.5	16.5	8.2	52	<0.1	15.0	13.8	543	3.47	5.1	0.5	1.0	11.0	62	<0.1	0.4	<0.1	89	0.49	0.057
1202111	Soil	0.6	28.4	6.1	53	<0.1	22.0	11.8	508	3.19	7.2	1.4	1.9	5.9	38	<0.1	0.5	0.1	74	0.65	0.074
1202113	Soil	0.9	19.1	8.7	53	<0.1	24.5	12.9	389	3.63	9.6	0.5	8.3	5.5	27	<0.1	0.6	0.1	89	0.30	0.020
1202104	Soil	1.0	19.8	9.1	58	<0.1	21.4	12.8	409	3.50	10.0	0.5	0.8	5.3	22	<0.1	0.6	0.2	91	0.31	0.045
1202107	Soil	0.6	20.5	6.9	48	<0.1	20.6	11.4	299	3.01	5.5	0.7	3.3	4.8	27	<0.1	0.3	0.1	76	0.42	0.057
1202105	Soil	1.1	19.8	8.9	55	<0.1	24.0	13.5	337	3.43	8.9	0.5	3.6	4.0	22	<0.1	0.5	0.1	80	0.25	0.028
1202102	Soil	0.6	23.1	7.3	40	<0.1	19.7	9.8	295	2.68	6.6	1.1	2.8	5.0	34	<0.1	0.4	0.2	71	0.39	0.032
1202106	Soil	0.9	20.2	7.5	53	<0.1	27.3	13.6	358	3.37	8.5	0.5	1.4	5.0	25	<0.1	0.4	0.2	84	0.30	0.029
1202103	Soil	1.2	18.1	9.8	58	<0.1	24.6	14.3	446	4.01	8.8	0.4	1.3	4.4	28	<0.1	0.5	0.2	96	0.26	0.033
1202021	Soil	0.8	22.5	48.5	57	0.4	17.1	9.4	285	2.86	30.5	0.6	6.1	3.7	35	0.4	1.6	0.8	77	0.47	0.041

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Project: WLF
 Report Date: January 04, 2012

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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	
1202118	Soil	8	38	0.53	228	0.101	<1	1.99	0.019	0.04	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
1202117	Soil	49	6	1.37	187	0.115	<1	1.66	0.022	0.08	<0.1	0.01	7.4	0.1	<0.05	9	1.8	<0.2
1202115	Soil	20	30	0.96	266	0.185	<1	2.64	0.017	0.11	0.1	0.02	6.6	0.2	<0.05	8	0.5	<0.2
1202119	Soil	21	29	1.00	215	0.085	<1	2.35	0.028	0.15	<0.1	0.02	14.0	0.2	<0.05	8	1.2	<0.2
1202116	Soil	7	37	0.57	239	0.112	<1	2.38	0.019	0.05	<0.1	<0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
1202031	Soil	18	19	0.74	430	0.088	<1	2.46	0.013	0.36	0.1	0.02	9.5	0.5	<0.05	8	0.9	<0.2
1204359	Soil	14	47	0.81	210	0.129	1	2.07	0.024	0.12	0.1	0.03	5.6	0.3	<0.05	7	<0.5	<0.2
1202032	Soil	13	37	0.70	195	0.116	2	1.73	0.028	0.07	0.1	0.02	5.2	0.1	<0.05	5	<0.5	<0.2
1204358	Soil	16	29	0.66	281	0.142	2	2.03	0.016	0.12	0.2	0.04	4.4	0.2	<0.05	8	<0.5	<0.2
1202030	Soil	13	24	0.76	317	0.096	<1	2.48	0.012	0.28	0.1	0.01	7.3	0.4	<0.05	8	<0.5	<0.2
1202114	Soil	20	28	1.07	285	0.200	<1	2.48	0.024	0.12	0.2	<0.01	7.2	0.2	<0.05	7	0.5	<0.2
1202029	Soil	8	32	0.60	176	0.110	2	2.33	0.015	0.06	0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
1202028	Soil	15	38	0.64	259	0.122	2	2.28	0.020	0.05	0.1	0.02	4.9	0.2	<0.05	6	<0.5	<0.2
1202027	Soil	11	35	0.76	260	0.147	1	2.54	0.015	0.09	0.1	0.03	4.9	0.2	<0.05	8	<0.5	<0.2
1202026	Soil	12	34	0.87	244	0.168	2	2.66	0.018	0.13	0.2	0.03	4.4	0.3	<0.05	7	<0.5	<0.2
1202025	Soil	8	40	0.72	200	0.142	1	2.54	0.017	0.05	0.1	0.01	4.2	0.2	<0.05	7	<0.5	<0.2
1202024	Soil	10	32	0.69	168	0.152	1	2.49	0.016	0.06	0.1	0.02	3.6	0.2	<0.05	8	<0.5	<0.2
1202109	Soil	14	34	0.67	313	0.084	2	2.52	0.027	0.08	0.1	0.03	4.7	0.1	<0.05	6	<0.5	<0.2
1202112	Soil	16	33	0.63	188	0.086	2	1.78	0.026	0.05	0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
1202110	Soil	19	32	0.71	251	0.102	2	1.86	0.028	0.11	<0.1	0.02	5.1	<0.1	<0.05	5	0.5	<0.2
1202108	Soil	10	27	0.88	315	0.157	<1	2.80	0.017	0.13	0.1	0.01	4.9	0.1	<0.05	8	<0.5	<0.2
1202111	Soil	13	35	0.76	240	0.131	2	1.86	0.037	0.08	0.1	0.03	6.4	<0.1	<0.05	6	0.5	<0.2
1202113	Soil	8	46	0.72	236	0.126	1	2.77	0.017	0.06	<0.1	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
1202104	Soil	7	37	0.71	233	0.137	2	2.50	0.015	0.09	0.1	0.01	3.7	<0.1	<0.05	8	<0.5	<0.2
1202107	Soil	11	32	0.74	247	0.126	2	2.21	0.019	0.07	0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
1202105	Soil	7	42	0.63	219	0.109	1	2.49	0.016	0.05	<0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
1202102	Soil	19	35	0.59	187	0.100	1	1.90	0.022	0.04	<0.1	0.02	5.4	0.1	<0.05	5	<0.5	<0.2
1202106	Soil	8	45	0.73	274	0.108	1	2.66	0.015	0.05	<0.1	0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
1202103	Soil	6	38	0.74	229	0.154	2	2.87	0.014	0.12	<0.1	0.02	3.0	0.1	0.05	9	<0.5	<0.2
1202021	Soil	9	32	0.68	150	0.126	1	2.26	0.019	0.06	0.2	0.03	3.4	0.2	<0.05	7	<0.5	<0.2

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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
1202023	Soil	1.1	20.2	33.6	53	0.5	19.2	10.1	329	3.07	24.3	0.8	7.2	3.9	31	0.3	0.7	0.7	83	0.43	0.044
1202022	Soil	0.8	19.8	27.4	61	0.2	18.5	13.3	433	3.49	22.8	0.9	5.8	6.3	34	0.3	1.4	0.7	92	0.56	0.063
1202019	Soil	0.6	50.8	13.5	51	0.3	14.2	12.8	494	3.07	84.6	0.9	7.9	6.3	30	0.2	2.3	0.9	76	0.56	0.076
1202020	Soil	0.7	47.1	14.1	55	0.3	16.1	12.2	408	3.17	71.6	0.8	8.5	5.5	27	0.2	2.1	0.9	82	0.48	0.061
1164921	Soil	0.7	131.5	16.2	95	<0.1	55.4	20.9	907	5.20	23.6	2.5	0.5	16.6	45	0.1	2.1	0.2	178	1.12	0.221
1164922	Soil	1.1	34.6	21.5	70	0.1	30.2	11.8	1028	3.87	7.7	1.4	1.4	22.7	22	0.4	0.8	2.7	93	0.37	0.084
1164908	Soil	1.1	78.3	29.3	55	0.2	33.9	14.6	495	3.95	9.8	3.2	3.9	28.7	69	0.2	1.4	1.0	91	0.93	0.127
1164923	Soil	1.2	61.6	18.5	60	0.3	29.1	13.1	497	4.03	10.1	1.0	4.1	12.9	25	0.2	0.7	6.2	90	0.34	0.045
1164924	Soil	1.5	73.9	20.3	61	0.5	25.3	11.9	444	3.37	12.6	1.3	4.5	14.6	28	0.4	1.1	1.0	81	0.25	0.052
1164925	Soil	1.1	19.5	19.7	101	0.1	27.7	12.4	1303	3.57	10.5	1.1	<0.5	16.8	26	1.6	0.8	0.7	78	0.43	0.087
1164909	Soil	2.8	284.9	145.1	116	4.3	36.5	12.0	871	3.48	14.6	44.1	28.0	49.1	88	1.2	2.6	0.6	75	1.05	0.137
1164927	Soil	1.6	33.2	35.8	68	<0.1	51.3	17.7	847	5.73	19.3	2.8	1.6	52.5	25	0.2	1.4	0.5	136	0.70	0.189
1164930	Soil	0.8	23.5	31.8	89	<0.1	44.8	16.5	645	5.21	11.6	1.8	<0.5	32.7	32	0.6	1.3	0.4	112	0.74	0.158
1164910	Soil	0.7	61.1	8.3	49	0.1	28.8	10.4	367	3.06	7.9	4.5	10.5	14.4	42	<0.1	0.6	0.2	77	0.69	0.092
1164911	Soil	1.5	21.5	29.0	56	<0.1	44.1	14.5	810	4.66	8.2	14.1	2.6	35.8	65	0.2	2.3	1.0	109	1.20	0.171
1164912	Soil	3.4	25.9	14.0	55	<0.1	31.3	12.9	382	3.61	8.5	2.0	5.1	12.5	44	0.2	1.1	0.4	88	0.70	0.098
1164913	Soil	2.5	53.7	12.9	58	0.5	22.9	10.8	326	2.56	4.0	28.0	7.3	14.8	65	0.3	1.2	0.5	67	1.32	0.099
1164914	Soil	0.5	23.6	8.4	57	0.1	18.2	10.9	499	2.88	5.9	1.3	9.5	4.4	42	0.2	0.6	0.2	75	0.71	0.073
1164915	Soil	0.6	21.0	6.2	46	<0.1	18.1	9.5	339	2.36	4.8	0.9	2.8	2.6	40	0.1	0.4	0.1	66	0.69	0.062
1202017	Soil	0.5	18.1	19.8	59	0.2	19.1	11.0	361	3.34	66.7	0.8	3.1	4.3	33	<0.1	1.3	0.6	84	0.53	0.055
1164931	Soil	0.7	26.1	27.8	59	<0.1	47.1	15.5	578	5.24	11.6	2.9	2.2	41.3	26	0.4	1.0	1.6	117	0.73	0.178
1164926	Soil	0.9	29.6	33.4	78	0.2	40.0	15.2	598	4.68	14.9	1.6	0.6	30.3	33	0.6	1.3	0.3	110	0.57	0.089
1164916	Soil	0.4	28.1	5.9	52	<0.1	23.3	9.7	288	2.66	6.1	0.5	13.0	3.0	41	<0.1	0.4	0.1	70	0.73	0.069
1164928	Soil	1.4	15.0	26.8	65	<0.1	31.4	13.4	623	3.73	7.7	1.3	<0.5	24.5	27	0.3	0.9	0.3	84	0.50	0.104
1164917	Soil	0.4	28.1	6.3	55	<0.1	22.4	11.0	394	2.80	6.0	0.6	4.0	3.8	38	0.2	0.4	0.1	72	0.66	0.070
1164929	Soil	0.7	21.5	36.3	81	<0.1	43.2	15.7	639	5.10	12.4	2.1	<0.5	41.6	28	0.6	1.4	0.3	118	0.70	0.168
1164933	Soil	0.4	24.7	26.1	72	<0.1	59.8	15.8	756	5.01	9.7	2.0	3.1	37.4	29	0.1	2.0	0.4	109	0.73	0.127
1202018	Soil	0.4	16.8	13.4	46	0.2	12.3	9.3	317	2.74	22.2	1.0	3.0	6.0	57	0.1	1.7	2.0	70	0.90	0.056
1164932	Soil	0.8	19.4	22.4	66	0.1	38.4	13.8	763	4.38	7.9	1.6	<0.5	31.3	31	0.4	0.9	0.3	98	0.64	0.128
1202014	Soil	0.5	22.9	10.0	53	0.1	19.4	10.3	291	2.76	17.2	0.9	12.3	3.0	32	<0.1	0.6	0.4	68	0.50	0.050

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Project: WLF
 Report Date: January 04, 2012

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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	
1202023	Soil	10	32	0.62	208	0.131	2	2.38	0.016	0.07	0.1	0.03	3.8	0.2	<0.05	7	<0.5	<0.2
1202022	Soil	10	32	0.84	168	0.182	1	2.53	0.018	0.14	0.2	0.02	4.3	0.2	<0.05	8	<0.5	<0.2
1202019	Soil	10	23	0.73	296	0.128	1	2.53	0.016	0.14	0.3	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
1202020	Soil	10	29	0.69	259	0.129	<1	2.44	0.015	0.11	0.2	0.03	3.2	0.2	<0.05	7	<0.5	<0.2
1164921	Soil	23	131	2.28	248	0.347	1	2.89	0.030	0.49	0.4	0.01	14.7	0.5	<0.05	12	<0.5	<0.2
1164922	Soil	46	60	1.03	166	0.053	<1	2.28	0.016	0.09	0.1	0.01	5.0	0.1	<0.05	9	<0.5	<0.2
1164908	Soil	32	63	1.24	139	0.158	2	2.68	0.018	0.11	3.2	<0.01	6.5	0.2	<0.05	11	<0.5	<0.2
1164923	Soil	19	61	0.98	160	0.093	1	2.39	0.013	0.09	2.2	<0.01	4.4	0.1	<0.05	9	<0.5	<0.2
1164924	Soil	15	53	0.79	176	0.079	1	2.04	0.017	0.07	0.4	<0.01	4.0	0.1	<0.05	7	<0.5	<0.2
1164925	Soil	20	56	0.94	232	0.105	2	2.10	0.018	0.09	0.4	0.01	4.5	0.1	<0.05	8	<0.5	<0.2
1164909	Soil	108	58	0.77	153	0.045	2	2.48	0.020	0.08	0.8	0.15	14.6	0.3	<0.05	8	1.0	<0.2
1164927	Soil	44	110	1.99	168	0.187	2	2.61	0.014	0.39	5.4	<0.01	11.9	0.8	<0.05	12	<0.5	<0.2
1164930	Soil	31	85	1.57	171	0.175	3	2.63	0.017	0.22	0.5	<0.01	6.8	0.4	<0.05	11	0.9	<0.2
1164910	Soil	19	37	0.74	133	0.113	2	1.64	0.035	0.06	0.3	0.03	6.2	<0.1	<0.05	6	1.2	<0.2
1164911	Soil	35	77	1.59	88	0.170	<1	2.73	0.020	0.12	0.6	<0.01	8.6	0.2	<0.05	13	0.6	<0.2
1164912	Soil	18	52	0.96	100	0.145	1	1.83	0.027	0.07	0.4	0.01	4.4	0.1	<0.05	7	0.8	<0.2
1164913	Soil	25	38	0.88	126	0.132	3	1.77	0.030	0.07	0.4	0.09	7.9	0.2	<0.05	7	2.1	<0.2
1164914	Soil	13	27	0.61	179	0.123	1	1.65	0.031	0.05	0.2	0.03	5.4	<0.1	<0.05	5	0.9	<0.2
1164915	Soil	11	26	0.52	163	0.095	1	1.48	0.030	0.04	0.1	0.03	3.8	<0.1	<0.05	5	1.4	<0.2
1202017	Soil	10	32	0.84	170	0.154	1	2.27	0.020	0.10	0.2	0.02	4.5	0.2	<0.05	7	<0.5	<0.2
1164931	Soil	37	85	2.12	159	0.180	1	2.25	0.015	0.56	1.7	<0.01	9.1	0.8	<0.05	11	0.7	<0.2
1164926	Soil	26	71	1.52	167	0.154	1	2.60	0.018	0.19	1.6	0.02	9.8	0.3	<0.05	10	0.5	<0.2
1164916	Soil	12	26	0.65	160	0.112	<1	1.56	0.045	0.05	0.1	0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
1164928	Soil	28	56	0.93	200	0.112	<1	1.99	0.016	0.14	2.0	<0.01	5.3	0.2	<0.05	9	<0.5	<0.2
1164917	Soil	13	29	0.63	145	0.119	2	1.53	0.035	0.05	0.2	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1164929	Soil	36	87	1.61	144	0.184	<1	2.31	0.015	0.26	0.6	<0.01	6.6	0.5	<0.05	11	<0.5	<0.2
1164933	Soil	28	103	2.30	107	0.187	<1	2.16	0.022	0.13	0.4	0.01	11.0	0.2	<0.05	12	1.4	<0.2
1202018	Soil	12	16	0.74	278	0.118	<1	2.84	0.026	0.14	0.2	0.03	4.5	0.2	<0.05	7	<0.5	<0.2
1164932	Soil	23	69	1.27	221	0.149	3	2.14	0.021	0.20	0.3	0.02	6.4	0.3	<0.05	9	<0.5	<0.2
1202014	Soil	11	30	0.63	188	0.108	4	2.23	0.022	0.04	0.2	0.04	4.6	<0.1	<0.05	6	<0.5	<0.2

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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
1202016	Soil	0.8	17.4	13.1	56	0.2	18.6	10.4	285	3.20	40.9	0.6	5.3	3.2	31	0.1	0.7	0.3	83	0.47	0.044
1202013	Soil	0.6	23.2	10.1	54	<0.1	21.8	11.6	379	2.81	15.9	1.0	4.4	3.4	38	0.2	0.7	0.3	73	0.62	0.050
1202015	Soil	0.8	14.5	11.7	49	0.2	15.9	9.5	301	2.84	35.9	0.6	7.0	3.2	31	0.2	0.9	0.3	73	0.47	0.049
1164920	Soil	1.2	19.0	18.1	92	0.1	23.1	18.2	728	5.45	10.2	1.0	2.4	10.9	36	0.2	0.7	0.2	138	0.65	0.067
1164919	Soil	0.3	14.9	13.2	85	<0.1	7.1	17.0	711	6.10	2.7	1.3	1.3	20.8	48	0.1	0.7	0.1	164	0.84	0.067
1164918	Soil	1.3	30.6	19.0	97	0.1	9.2	22.8	1030	7.30	9.5	1.4	2.6	16.5	123	0.1	2.8	0.2	224	1.32	0.111
1164940	Soil	0.4	32.0	32.7	94	<0.1	27.9	12.9	692	4.29	20.4	4.6	12.9	48.1	55	0.2	1.3	0.3	91	0.75	0.165
1164938	Soil	0.7	15.6	11.7	57	<0.1	22.5	10.0	381	3.03	6.0	1.2	1.4	18.1	31	0.1	0.5	0.1	68	0.51	0.081
1164941	Soil	0.4	30.7	29.5	86	<0.1	27.5	11.8	584	4.11	19.0	3.9	12.7	41.2	61	0.2	1.3	0.3	88	0.75	0.150
1164937	Soil	0.3	30.2	6.9	50	<0.1	25.6	11.1	436	2.76	8.1	0.7	3.9	4.2	47	0.1	0.4	0.1	69	0.74	0.084
1164939	Soil	0.4	28.3	6.4	49	<0.1	27.1	10.3	490	2.69	7.4	0.6	4.3	5.5	46	<0.1	0.3	0.1	67	0.74	0.094
1164936	Soil	0.8	20.0	46.3	190	0.1	21.4	10.3	732	4.47	11.6	8.7	15.9	58.9	29	1.2	2.4	0.3	90	0.74	0.137
1164935	Soil	0.7	35.8	27.8	74	0.3	27.4	10.4	412	3.25	8.3	2.6	7.4	23.6	42	0.3	0.7	0.2	80	0.68	0.088
1164934	Soil	0.6	33.5	43.1	111	0.1	25.1	10.5	422	3.88	7.6	5.0	17.4	43.5	37	0.6	1.4	0.5	93	0.73	0.139
1202073	Soil	0.7	35.4	17.1	64	0.2	25.7	14.5	624	3.62	40.9	0.6	7.3	6.5	47	0.2	2.0	0.3	90	0.93	0.052
1202071	Soil	0.6	30.6	11.2	44	0.2	18.7	9.3	354	2.49	8.6	1.6	3.4	3.1	65	0.2	1.5	0.3	64	1.23	0.061
1202072	Soil	0.7	37.6	16.0	66	0.1	26.4	15.2	613	3.89	41.4	0.6	5.3	7.1	48	0.1	2.2	0.3	96	0.95	0.054
1202069	Soil	0.5	33.0	8.8	49	0.2	22.1	10.1	370	2.72	7.2	1.1	17.3	3.2	57	0.3	1.6	0.3	66	1.13	0.063
1202070	Soil	0.4	28.6	8.0	43	0.2	19.2	8.8	312	2.31	7.9	0.9	3.2	2.3	47	0.2	1.3	0.3	51	0.98	0.062
1202068	Soil	0.4	27.9	6.7	48	0.1	20.0	9.0	325	2.47	7.1	0.4	7.5	2.4	48	0.1	0.5	0.3	58	1.39	0.074
1202060	Soil	0.7	23.4	10.9	42	<0.1	19.9	11.9	581	2.73	8.9	0.4	8.6	3.5	29	0.1	0.7	0.2	62	0.54	0.025
1202053	Soil	0.8	15.9	19.4	56	0.4	17.2	12.0	417	2.82	19.9	3.8	8.2	4.6	35	0.4	1.8	0.2	66	0.44	0.030
1202051	Soil	0.8	16.4	9.9	43	0.1	16.5	10.0	390	2.64	8.6	0.4	1.0	2.8	26	0.2	0.6	0.1	60	0.34	0.030
1202062	Soil	0.4	35.6	9.4	49	0.2	21.1	10.6	424	2.63	9.0	0.5	5.9	3.9	54	0.1	0.8	0.2	62	2.56	0.069
1202052	Soil	0.5	26.9	8.5	45	0.1	24.2	11.6	396	2.71	10.7	1.7	4.5	4.0	33	<0.1	0.5	0.2	65	0.63	0.051
1202059	Soil	0.5	16.5	7.0	43	<0.1	15.8	9.0	291	2.38	6.4	0.3	1.7	2.9	28	<0.1	0.5	0.1	57	0.49	0.047
1202066	Soil	0.8	16.2	23.0	122	0.4	13.1	13.7	769	3.43	16.5	0.5	1.6	5.1	29	0.7	2.4	0.2	79	0.49	0.051
1202067	Soil	0.6	19.1	13.8	54	0.2	18.0	12.2	487	3.02	10.3	0.5	2.2	4.6	34	0.1	1.1	0.3	69	0.49	0.042
1202063	Soil	0.6	35.3	9.0	47	0.1	25.7	12.3	405	2.97	10.0	0.5	4.9	3.9	34	<0.1	0.7	0.2	68	0.53	0.038
1202064	Soil	0.6	15.8	15.9	54	0.1	13.8	10.4	383	3.12	11.8	0.3	2.8	5.0	27	0.2	1.1	0.2	71	0.43	0.062

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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	
1202016	Soil	10	32	0.67	179	0.123	2	2.34	0.020	0.05	0.1	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
1202013	Soil	12	33	0.68	197	0.113	<1	2.20	0.025	0.05	0.2	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
1202015	Soil	10	29	0.63	160	0.118	<1	2.05	0.019	0.05	0.2	0.02	3.6	<0.1	<0.05	7	0.6	<0.2
1164920	Soil	10	36	1.23	266	0.264	<1	3.24	0.017	0.14	0.7	0.02	6.6	0.2	<0.05	11	0.7	<0.2
1164919	Soil	19	17	1.86	124	0.277	<1	2.71	0.013	0.32	0.3	<0.01	13.6	0.3	<0.05	10	0.7	<0.2
1164918	Soil	17	28	1.78	200	0.396	2	3.06	0.021	0.44	0.8	0.01	13.4	0.3	<0.05	13	<0.5	<0.2
1164940	Soil	40	43	0.96	90	0.106	<1	1.80	0.021	0.12	0.5	0.01	8.2	0.1	<0.05	10	0.5	<0.2
1164938	Soil	15	34	0.69	142	0.120	<1	1.81	0.022	0.12	0.4	<0.01	3.6	0.2	<0.05	7	<0.5	<0.2
1164941	Soil	38	42	0.94	99	0.117	<1	1.88	0.024	0.12	0.5	0.01	8.2	0.1	<0.05	10	<0.5	<0.2
1164937	Soil	14	32	0.70	172	0.098	<1	1.42	0.046	0.06	0.1	0.02	4.3	<0.1	<0.05	5	0.8	<0.2
1164939	Soil	14	32	0.72	144	0.096	3	1.37	0.043	0.06	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1164936	Soil	40	36	0.80	125	0.097	<1	1.83	0.009	0.08	0.4	0.01	7.2	<0.1	<0.05	11	<0.5	<0.2
1164935	Soil	25	39	0.70	150	0.109	2	1.64	0.037	0.07	0.3	0.04	5.2	0.1	<0.05	6	1.0	<0.2
1164934	Soil	50	46	0.77	118	0.093	<1	1.86	0.019	0.09	0.6	0.01	6.3	0.2	<0.05	9	1.1	<0.2
1202073	Soil	17	32	0.89	145	0.162	1	2.31	0.037	0.10	0.1	0.04	7.2	<0.1	<0.05	8	<0.5	<0.2
1202071	Soil	14	23	0.59	162	0.106	2	1.57	0.036	0.06	0.2	0.04	4.0	<0.1	<0.05	5	1.2	<0.2
1202072	Soil	17	34	0.96	148	0.159	2	2.47	0.038	0.10	0.1	0.04	7.5	<0.1	<0.05	8	1.2	<0.2
1202069	Soil	14	27	0.67	177	0.109	7	1.60	0.043	0.06	0.2	0.02	4.2	<0.1	<0.05	5	0.9	<0.2
1202070	Soil	11	25	0.57	145	0.073	3	1.23	0.029	0.05	0.1	0.03	3.4	<0.1	<0.05	4	0.6	<0.2
1202068	Soil	9	25	0.75	140	0.086	3	1.24	0.037	0.06	0.2	0.02	3.5	<0.1	<0.05	4	0.6	<0.2
1202060	Soil	11	29	0.59	201	0.102	1	1.68	0.026	0.05	0.1	0.02	4.7	<0.1	<0.05	5	0.6	<0.2
1202053	Soil	13	33	0.59	164	0.096	1	1.73	0.017	0.08	0.2	0.02	5.4	<0.1	<0.05	6	<0.5	<0.2
1202051	Soil	7	29	0.60	165	0.086	2	1.79	0.024	0.07	0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
1202062	Soil	13	25	0.88	179	0.114	2	1.43	0.033	0.09	0.2	0.03	3.8	0.1	<0.05	5	0.7	<0.2
1202052	Soil	12	30	0.68	156	0.098	2	1.44	0.031	0.11	0.2	0.01	4.0	<0.1	<0.05	5	0.9	<0.2
1202059	Soil	8	28	0.61	129	0.106	1	1.44	0.027	0.05	<0.1	0.02	3.6	<0.1	<0.05	5	0.6	<0.2
1202066	Soil	11	24	0.74	301	0.181	2	2.02	0.017	0.20	0.1	0.02	4.5	<0.1	<0.05	7	<0.5	<0.2
1202067	Soil	14	32	0.66	171	0.099	2	1.91	0.021	0.07	0.1	0.02	5.7	<0.1	<0.05	6	0.9	<0.2
1202063	Soil	15	36	0.65	155	0.107	2	1.72	0.027	0.06	0.1	0.02	5.7	<0.1	<0.05	5	0.5	<0.2
1202064	Soil	8	22	0.70	236	0.121	<1	1.99	0.015	0.14	0.1	0.01	3.3	0.1	<0.05	7	0.5	<0.2



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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
1202065	Soil	0.9	13.2	8.4	60	0.1	13.9	12.4	620	3.17	7.1	0.6	2.0	3.7	36	0.2	1.1	0.2	68	0.51	0.056
1202058	Soil	0.6	14.0	7.8	38	0.1	15.8	9.3	328	2.30	5.8	0.3	0.9	1.6	22	0.1	0.4	0.1	52	0.34	0.019
1202056	Soil	0.6	22.8	8.6	42	0.2	22.2	10.3	422	2.64	9.0	0.4	5.1	3.1	28	<0.1	0.5	0.1	62	0.46	0.028
1202061	Soil	0.4	36.0	8.9	46	0.2	21.3	10.4	388	2.54	9.0	0.5	7.7	3.7	56	0.1	0.9	0.1	61	2.50	0.070
1202054	Soil	0.8	25.0	15.9	55	0.2	16.5	12.6	582	3.20	49.1	3.7	21.8	6.5	39	0.1	2.9	0.2	70	0.61	0.053
1202057	Soil	0.4	43.6	6.5	39	0.1	23.5	9.7	341	2.16	9.0	0.3	8.8	2.5	116	0.1	0.4	0.1	57	5.46	0.041
1202055	Soil	0.5	32.3	45.8	55	0.8	21.4	10.9	449	2.76	32.4	0.8	19.9	4.2	35	0.2	1.7	0.2	61	0.59	0.039
1204394	Soil	0.8	29.3	14.2	46	0.3	20.8	9.8	241	2.55	15.6	0.6	4.2	3.8	27	0.1	1.6	1.4	65	0.42	0.042
1204395	Soil	2.5	16.5	8.5	35	0.2	12.9	9.1	399	2.13	6.5	0.7	1.3	2.6	25	0.1	0.5	0.9	52	0.36	0.030
1204393	Soil	0.9	24.2	14.1	54	0.3	20.1	9.3	266	2.59	13.6	0.5	6.8	2.9	24	0.3	1.2	1.3	61	0.36	0.037
1204399	Soil	0.5	18.0	6.0	40	<0.1	15.1	8.3	283	2.04	5.9	0.9	2.2	2.5	35	<0.1	0.4	0.4	51	0.62	0.053
1204398	Soil	0.6	21.7	6.9	41	<0.1	16.4	8.0	293	2.06	6.7	1.2	4.4	2.4	35	0.1	0.5	0.3	46	0.63	0.053
1204397	Soil	0.7	25.3	7.3	45	<0.1	18.7	8.3	398	2.14	5.9	1.4	2.9	3.1	38	0.2	0.5	0.4	49	0.68	0.066
1204448	Soil	0.6	19.0	6.1	46	<0.1	15.9	8.9	327	2.15	5.9	1.1	3.6	1.9	34	0.2	0.4	0.2	58	0.69	0.066
1204400	Soil	0.6	21.2	5.9	38	<0.1	14.8	8.5	430	1.95	5.7	1.0	8.3	1.8	37	0.1	0.3	0.2	49	0.64	0.061
1204449	Soil	0.6	22.6	13.1	49	0.2	16.5	8.8	367	2.29	14.9	0.9	6.1	2.5	48	0.3	0.9	0.4	55	0.83	0.054
1204450	Soil	0.4	23.1	9.9	48	0.2	17.5	8.1	356	2.04	8.6	0.7	8.9	2.2	37	0.2	0.6	0.2	50	0.66	0.047
1204447	Soil	0.6	18.5	6.9	49	<0.1	17.9	9.8	453	2.35	7.2	0.7	2.4	2.5	38	0.2	0.4	0.2	66	0.72	0.066
1204396	Soil	0.6	23.0	7.4	43	<0.1	16.9	9.0	319	2.46	6.4	1.2	2.9	4.4	30	<0.1	0.5	0.3	62	0.51	0.049



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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	0.1	0.01	0.1	0.05	1	0.5	0.2	0.2
1202065	Soil	10	24	0.61	351	0.133	1	1.87	0.018	0.07	<0.1	0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
1202058	Soil	7	26	0.41	163	0.061	<1	1.41	0.018	0.03	0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
1202056	Soil	11	33	0.52	175	0.082	1	1.50	0.020	0.05	<0.1	0.02	4.7	<0.1	<0.05	5	0.8	<0.2
1202061	Soil	13	24	0.84	171	0.111	2	1.37	0.034	0.08	0.1	0.04	3.6	0.1	<0.05	5	<0.5	<0.2
1202054	Soil	15	25	0.70	139	0.080	1	1.92	0.018	0.08	0.2	0.02	5.7	0.1	<0.05	7	0.5	<0.2
1202057	Soil	10	28	0.62	168	0.086	2	1.45	0.034	0.05	0.4	0.03	3.6	<0.1	0.12	4	<0.5	<0.2
1202055	Soil	12	31	0.65	185	0.080	1	1.58	0.026	0.06	0.2	0.04	4.7	<0.1	<0.05	5	0.7	<0.2
1204394	Soil	10	39	0.58	133	0.111	2	1.93	0.017	0.05	0.1	0.02	3.5	0.1	0.07	6	<0.5	<0.2
1204395	Soil	8	23	0.42	149	0.086	1	1.42	0.016	0.04	0.2	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1204393	Soil	9	34	0.59	142	0.089	<1	1.67	0.016	0.04	0.1	0.02	3.8	0.1	<0.05	5	<0.5	<0.2
1204399	Soil	9	25	0.51	155	0.083	2	1.33	0.026	0.04	0.2	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
1204398	Soil	9	25	0.53	161	0.080	1	1.34	0.026	0.04	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
1204397	Soil	12	28	0.59	159	0.083	1	1.34	0.027	0.05	0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
1204448	Soil	9	25	0.51	137	0.072	2	1.19	0.024	0.04	0.2	0.03	2.9	<0.1	<0.05	4	0.5	<0.2
1204400	Soil	9	23	0.45	154	0.071	1	1.18	0.023	0.04	0.2	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
1204449	Soil	11	27	0.53	160	0.078	2	1.35	0.028	0.05	0.2	0.03	3.4	<0.1	<0.05	4	0.7	<0.2
1204450	Soil	10	24	0.51	152	0.075	1	1.21	0.027	0.04	0.1	0.02	3.2	<0.1	<0.05	4	0.7	<0.2
1204447	Soil	10	30	0.56	147	0.092	2	1.48	0.034	0.05	0.1	0.03	3.0	<0.1	0.08	4	<0.5	<0.2
1204396	Soil	13	30	0.58	180	0.112	1	1.56	0.026	0.04	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2



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Project: WLF
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QUALITY CONTROL REPORT

DAW11000373.2

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																							
1202011	Soil			0.4	21.6	9.4	50	<0.1	18.6	9.7	312	2.53	14.0	0.8	2.6	2.9	36	<0.1	0.8	0.2	73	0.64	0.053
REP 1202011	QC			0.5	22.1	9.6	52	0.1	19.8	10.5	320	2.57	14.6	0.8	2.7	2.9	36	0.1	0.8	0.2	73	0.64	0.056
1202100	Soil			1.0	22.8	10.4	50	<0.1	25.3	12.8	263	3.48	9.5	1.0	2.4	8.1	25	<0.1	0.5	0.2	84	0.32	0.036
REP 1202100	QC			1.0	23.6	9.5	51	<0.1	26.2	12.9	262	3.52	9.4	1.0	4.0	8.1	26	<0.1	0.5	0.2	85	0.32	0.033
1202109	Soil			1.4	22.1	8.9	49	<0.1	23.5	13.6	814	3.29	6.7	0.9	2.1	4.3	36	<0.1	0.5	0.1	76	0.49	0.047
REP 1202109	QC			1.2	22.3	8.8	49	<0.1	23.5	13.0	774	3.23	6.4	0.9	3.9	4.3	36	<0.1	0.5	0.2	74	0.46	0.045
1164923	Soil			1.2	61.6	18.5	60	0.3	29.1	13.1	497	4.03	10.1	1.0	4.1	12.9	25	0.2	0.7	6.2	90	0.34	0.045
REP 1164923	QC			1.2	60.5	18.9	59	0.3	29.5	12.8	487	3.93	9.8	1.0	<0.5	12.8	26	0.2	0.7	6.6	88	0.35	0.045
1202018	Soil			0.4	16.8	13.4	46	0.2	12.3	9.3	317	2.74	22.2	1.0	3.0	6.0	57	0.1	1.7	2.0	70	0.90	0.056
REP 1202018	QC			0.4	16.3	13.2	47	0.2	12.6	9.0	311	2.71	21.8	0.9	3.3	6.1	56	<0.1	1.8	1.8	69	0.89	0.056
1202015	Soil			0.8	14.5	11.7	49	0.2	15.9	9.5	301	2.84	35.9	0.6	7.0	3.2	31	0.2	0.9	0.3	73	0.47	0.049
REP 1202015	QC			0.8	15.1	12.5	53	0.2	16.4	9.7	304	2.88	36.1	0.7	6.6	3.2	33	0.1	1.0	0.4	74	0.48	0.046
1202051	Soil			0.8	16.4	9.9	43	0.1	16.5	10.0	390	2.64	8.6	0.4	1.0	2.8	26	0.2	0.6	0.1	60	0.34	0.030
REP 1202051	QC			0.9	17.4	10.3	44	<0.1	17.3	10.3	387	2.65	8.6	0.4	1.3	3.0	28	0.2	0.6	0.2	61	0.36	0.030
1204447	Soil			0.6	18.5	6.9	49	<0.1	17.9	9.8	453	2.35	7.2	0.7	2.4	2.5	38	0.2	0.4	0.2	66	0.72	0.066
REP 1204447	QC			0.6	18.6	6.7	48	<0.1	17.7	9.4	462	2.34	6.7	0.7	5.3	2.4	38	0.1	0.4	0.2	65	0.72	0.067
Reference Materials																							
STD DS8	Standard			13.8	111.7	118.8	312	1.8	38.1	7.6	623	2.47	25.9	2.8	108.1	6.8	70	2.4	5.4	6.6	45	0.70	0.078
STD DS8	Standard			14.1	108.6	119.1	300	1.7	36.9	7.7	607	2.40	25.5	2.7	102.8	7.0	66	2.4	5.5	6.4	43	0.71	0.077
STD DS8	Standard			13.5	109.3	120.2	312	1.7	38.4	7.4	612	2.54	25.2	2.9	112.8	7.3	70	2.2	5.7	6.8	43	0.70	0.079
STD DS8	Standard			10.9	100.0	112.5	293	1.6	35.1	6.9	543	2.26	23.5	2.6	97.0	5.9	61	2.3	5.2	6.5	37	0.61	0.079
STD DS8	Standard			13.7	113.1	120.6	314	1.7	39.2	7.8	608	2.38	23.9	2.9	106.6	7.2	69	2.2	5.5	6.5	48	0.72	0.075
STD DS8	Standard			12.7	98.1	113.7	283	1.7	33.1	6.6	561	2.24	22.6	2.6	106.6	6.3	65	2.0	5.3	6.1	35	0.63	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

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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QUALITY CONTROL REPORT

DAW11000373.2

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																				
1202011	Soil			11	32	0.58	173	0.102	<1	1.95	0.023	0.04	0.2	0.03	4.7	0.1	<0.05	6	1.0	<0.2
REP 1202011	QC			11	32	0.60	173	0.100	1	2.01	0.025	0.04	0.2	0.03	4.5	0.1	<0.05	6	1.1	<0.2
1202100	Soil			12	41	0.64	256	0.127	2	3.09	0.024	0.06	<0.1	0.02	5.5	0.1	<0.05	7	0.6	<0.2
REP 1202100	QC			12	41	0.65	250	0.124	1	3.15	0.024	0.06	<0.1	0.02	5.6	0.1	<0.05	7	<0.5	<0.2
1202109	Soil			14	34	0.67	313	0.084	2	2.52	0.027	0.08	0.1	0.03	4.7	0.1	<0.05	6	<0.5	<0.2
REP 1202109	QC			14	33	0.66	311	0.082	1	2.49	0.026	0.08	0.1	0.02	4.6	0.1	<0.05	6	<0.5	<0.2
1164923	Soil			19	61	0.98	160	0.093	1	2.39	0.013	0.09	2.2	<0.01	4.4	0.1	<0.05	9	<0.5	<0.2
REP 1164923	QC			19	59	0.95	160	0.096	1	2.37	0.014	0.09	2.2	0.01	4.4	0.1	<0.05	9	<0.5	<0.2
1202018	Soil			12	16	0.74	278	0.118	<1	2.84	0.026	0.14	0.2	0.03	4.5	0.2	<0.05	7	<0.5	<0.2
REP 1202018	QC			12	19	0.73	269	0.109	<1	2.79	0.026	0.14	0.1	0.02	4.5	0.3	<0.05	7	<0.5	<0.2
1202015	Soil			10	29	0.63	160	0.118	<1	2.05	0.019	0.05	0.2	0.02	3.6	<0.1	<0.05	7	0.6	<0.2
REP 1202015	QC			10	27	0.64	164	0.120	2	2.08	0.022	0.05	0.1	0.03	3.9	0.1	<0.05	7	1.3	<0.2
1202051	Soil			7	29	0.60	165	0.086	2	1.79	0.024	0.07	0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
REP 1202051	QC			7	30	0.61	171	0.092	1	1.83	0.025	0.08	0.1	<0.01	3.4	<0.1	<0.05	6	0.5	<0.2
1204447	Soil			10	30	0.56	147	0.092	2	1.48	0.034	0.05	0.1	0.03	3.0	<0.1	0.08	4	<0.5	<0.2
REP 1204447	QC			10	30	0.53	148	0.094	2	1.41	0.033	0.05	0.2	0.02	3.1	<0.1	0.08	4	<0.5	<0.2
Reference Materials																				
STD DS8	Standard			16	113	0.55	282	0.120	2	0.95	0.100	0.44	2.8	0.21	3.4	5.1	0.05	5	5.3	4.9
STD DS8	Standard			16	120	0.61	286	0.121	3	0.93	0.096	0.42	2.9	0.20	2.3	5.5	0.15	5	5.3	4.7
STD DS8	Standard			17	110	0.63	289	0.119	3	0.94	0.082	0.42	3.1	0.19	2.6	5.5	0.06	5	7.1	6.0
STD DS8	Standard			12	103	0.55	260	0.096	3	0.83	0.096	0.39	2.9	0.19	2.1	5.0	0.17	4	4.9	4.7
STD DS8	Standard			17	121	0.60	282	0.127	3	0.92	0.105	0.42	3.1	0.18	3.2	5.5	0.14	5	6.0	4.9
STD DS8	Standard			14	105	0.52	269	0.100	1	0.89	0.105	0.38	2.7	0.18	2.2	4.9	0.15	4	5.0	4.9
STD DS8 Expected				14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Project: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000373.2

		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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Project: WLF
 Report Date: January 04, 2012

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

DAW11000373.2

		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



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Client: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 10, 2011
Report Date: January 04, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

DAW11000374.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-03
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

CC: Peter Tallman

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000374.2

Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1165876	Soil		0.9	19.4	8.1	48	<0.1	21.6	11.9	275	3.06	7.4	0.7	7.4	5.0	26	<0.1	0.6	0.2	75	0.30
1165880	Soil		0.6	21.6	8.5	42	<0.1	16.2	10.5	439	2.60	4.9	0.8	2.0	5.3	32	<0.1	0.6	0.1	67	0.41
1165878	Soil		0.2	16.9	5.2	52	<0.1	6.7	10.8	445	3.18	5.2	0.9	<0.5	10.5	20	<0.1	0.9	<0.1	76	0.40
1165884	Soil		0.5	26.7	9.4	47	0.1	20.5	9.9	330	2.86	6.1	1.2	3.2	3.5	39	<0.1	0.5	0.1	70	0.53
1165882	Soil		0.4	23.6	9.4	52	0.1	16.2	11.8	479	2.96	4.6	2.3	2.5	7.1	39	0.1	0.7	0.1	80	0.63
1165886	Soil		0.6	23.7	11.3	55	<0.1	19.3	10.2	384	2.90	6.1	1.1	4.6	6.2	39	<0.1	0.5	0.2	67	0.53
1165887	Soil		0.6	31.9	10.3	54	<0.1	23.2	11.1	388	3.04	7.0	1.1	1.4	4.8	42	<0.1	0.5	0.2	69	0.59
1165883	Soil		0.5	27.5	9.2	50	0.1	20.1	11.5	336	2.99	6.5	1.4	7.2	4.7	41	0.2	0.5	0.1	75	0.57
1165877	Soil		0.2	19.3	8.0	67	<0.1	9.7	12.3	617	3.79	6.0	1.1	1.0	19.3	67	<0.1	2.5	<0.1	86	0.82
1165881	Soil		0.4	18.2	10.0	67	<0.1	11.3	12.1	538	3.60	4.2	1.0	1.8	10.0	37	0.1	0.8	0.2	84	0.58
1165879	Soil		0.2	15.5	5.3	50	<0.1	6.1	9.8	435	2.99	7.4	0.9	<0.5	10.1	24	<0.1	1.0	<0.1	67	0.40
1165676	Soil		0.6	17.6	7.4	48	<0.1	18.1	12.1	420	3.04	5.7	0.5	0.9	7.3	18	<0.1	1.3	0.1	65	0.25
1165875	Soil		0.4	32.6	13.5	53	<0.1	15.9	12.6	531	3.43	4.0	1.0	0.8	10.7	46	<0.1	0.5	0.2	82	0.56
1165889	Soil		0.5	26.2	9.8	59	<0.1	19.4	9.5	281	2.80	7.2	1.1	9.3	4.8	39	<0.1	0.7	0.2	63	0.55
1165871	Soil		0.2	6.1	7.5	35	<0.1	3.5	6.5	473	1.87	7.4	0.6	<0.5	9.2	125	<0.1	1.3	0.1	39	1.51
1165675	Soil		0.6	20.1	10.0	48	<0.1	21.2	10.3	369	3.00	6.9	0.8	5.2	6.0	43	<0.1	1.0	<0.1	74	0.58
1165677	Soil		0.5	27.9	11.6	47	<0.1	18.9	11.4	446	3.22	5.1	1.1	2.1	8.4	44	<0.1	0.4	0.2	74	0.56
1165679	Soil		0.3	18.4	8.3	57	<0.1	11.5	13.5	600	3.62	5.4	1.1	<0.5	15.7	24	<0.1	0.4	<0.1	82	0.49
1165678	Soil		0.7	35.4	9.9	44	<0.1	24.0	11.6	362	3.17	7.1	0.9	2.2	5.3	45	<0.1	0.4	0.2	79	0.52
1165681	Soil		0.3	27.7	14.8	54	<0.1	12.7	10.2	559	3.90	5.8	0.9	0.9	11.8	37	<0.1	0.4	0.6	79	0.55
1165680	Soil		0.3	18.7	7.5	57	<0.1	12.0	13.9	592	3.72	5.8	1.1	0.7	15.2	24	<0.1	0.4	<0.1	83	0.48
1165870	Soil		0.4	31.3	11.5	73	<0.1	17.5	13.8	665	4.10	6.6	1.6	1.9	16.2	38	<0.1	0.5	0.1	101	0.56
1165872	Soil		0.2	6.5	7.4	36	<0.1	3.5	6.6	467	1.93	7.3	0.6	<0.5	8.9	115	<0.1	1.1	0.1	39	1.39
1165900	Soil		0.8	29.2	11.0	48	<0.1	24.0	12.4	363	3.45	8.3	1.1	2.7	6.9	39	<0.1	0.6	0.1	86	0.38
1165869	Soil		0.4	20.4	5.7	64	<0.1	13.3	15.0	573	4.16	7.3	0.7	1.7	15.4	37	<0.1	0.6	<0.1	107	0.47
1165885	Soil		0.4	26.8	9.2	53	<0.1	20.3	10.6	365	2.86	6.4	1.6	1.5	4.3	42	0.1	0.5	0.1	66	0.58
1165899	Soil		0.4	15.2	8.8	54	<0.1	10.8	11.7	573	3.28	4.0	0.8	<0.5	14.2	58	<0.1	0.8	0.1	80	0.39
1165897	Soil		0.6	27.2	12.3	62	0.1	16.4	10.2	556	3.36	7.7	0.8	1.1	12.7	30	0.2	1.4	1.0	67	0.39
1165895	Soil		0.2	28.7	16.4	60	<0.1	13.3	12.0	560	3.33	6.8	0.9	1.4	9.5	70	<0.1	0.7	1.0	72	0.63
1165896	Soil		0.9	21.8	8.1	49	<0.1	21.9	11.4	436	2.92	40.8	0.7	2.5	3.9	33	<0.1	0.6	0.1	71	0.36

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: WLF
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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	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	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1165876	Soil	0.026	10	38	0.64	180	0.122	1	2.42	0.022	0.04	0.1	0.02	4.4	<0.1	<0.05	7	<0.5	<0.2
1165880	Soil	0.036	13	32	0.54	171	0.117	1	1.80	0.023	0.04	<0.1	0.02	5.0	<0.1	<0.05	6	<0.5	<0.2
1165878	Soil	0.086	14	14	0.63	207	0.085	<1	2.17	0.018	0.15	<0.1	0.01	5.7	0.1	<0.05	7	<0.5	<0.2
1165884	Soil	0.060	13	35	0.55	236	0.099	1	1.98	0.026	0.03	0.2	0.04	5.0	<0.1	<0.05	6	<0.5	<0.2
1165882	Soil	0.075	20	29	0.65	262	0.130	1	1.88	0.029	0.07	0.2	0.06	5.1	<0.1	<0.05	6	<0.5	<0.2
1165886	Soil	0.062	14	31	0.65	229	0.110	1	1.91	0.025	0.04	0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
1165887	Soil	0.055	14	36	0.66	245	0.108	1	2.01	0.029	0.05	0.1	0.04	5.6	<0.1	<0.05	6	<0.5	<0.2
1165883	Soil	0.062	14	34	0.58	232	0.110	1	1.92	0.024	0.04	0.1	0.04	5.3	<0.1	<0.05	6	<0.5	<0.2
1165877	Soil	0.085	24	18	0.84	230	0.173	<1	2.66	0.024	0.16	0.1	0.02	8.9	0.2	<0.05	9	<0.5	<0.2
1165881	Soil	0.077	15	20	0.81	256	0.132	<1	2.43	0.025	0.08	0.2	0.01	4.5	<0.1	<0.05	8	<0.5	<0.2
1165879	Soil	0.085	16	12	0.58	217	0.066	<1	2.04	0.018	0.14	<0.1	0.02	5.4	0.1	<0.05	6	<0.5	<0.2
1165676	Soil	0.030	10	26	0.72	157	0.071	<1	2.60	0.015	0.08	0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
1165875	Soil	0.049	15	25	0.90	272	0.182	<1	2.40	0.044	0.10	0.7	0.02	5.6	0.1	<0.05	8	0.6	<0.2
1165889	Soil	0.057	14	31	0.62	212	0.116	1	1.86	0.026	0.05	0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
1165871	Soil	0.038	9	6	0.55	193	0.058	<1	2.90	0.008	0.19	0.1	0.01	4.8	<0.1	<0.05	8	<0.5	<0.2
1165675	Soil	0.045	16	37	0.76	157	0.131	1	2.19	0.025	0.06	0.2	0.02	7.1	<0.1	<0.05	7	<0.5	<0.2
1165677	Soil	0.031	15	34	0.78	288	0.163	1	2.34	0.043	0.05	0.2	0.02	6.5	<0.1	<0.05	7	<0.5	<0.2
1165679	Soil	0.106	16	20	0.92	231	0.178	<1	2.20	0.020	0.19	0.1	0.02	5.1	0.1	<0.05	8	<0.5	<0.2
1165678	Soil	0.028	15	41	0.69	289	0.147	<1	2.44	0.041	0.05	0.2	0.05	7.2	<0.1	<0.05	7	<0.5	<0.2
1165681	Soil	0.052	17	15	0.88	255	0.217	<1	2.30	0.036	0.23	0.2	0.02	6.6	0.3	<0.05	8	<0.5	<0.2
1165680	Soil	0.100	16	21	0.91	229	0.180	<1	2.25	0.020	0.17	0.2	0.01	5.3	0.1	<0.05	8	<0.5	<0.2
1165870	Soil	0.064	25	29	1.08	335	0.241	1	2.39	0.032	0.35	0.2	0.04	8.0	0.4	<0.05	8	<0.5	<0.2
1165872	Soil	0.036	8	6	0.58	190	0.058	<1	2.72	0.008	0.19	0.1	0.01	4.9	<0.1	<0.05	7	<0.5	<0.2
1165900	Soil	0.018	20	47	0.70	206	0.133	<1	2.67	0.022	0.03	0.1	0.04	8.1	<0.1	<0.05	7	<0.5	<0.2
1165869	Soil	0.040	23	24	1.20	336	0.249	<1	2.68	0.024	0.30	0.2	0.01	7.2	0.4	<0.05	9	<0.5	<0.2
1165885	Soil	0.062	13	32	0.62	250	0.091	<1	1.98	0.025	0.04	0.1	0.04	5.3	<0.1	<0.05	6	0.6	<0.2
1165899	Soil	0.071	12	19	0.93	330	0.180	<1	2.71	0.022	0.21	0.1	0.02	4.9	0.2	<0.05	8	<0.5	<0.2
1165897	Soil	0.032	17	29	0.77	221	0.060	1	2.14	0.020	0.07	<0.1	0.02	6.4	0.1	<0.05	6	<0.5	<0.2
1165895	Soil	0.050	15	22	0.90	260	0.129	<1	2.47	0.050	0.06	0.1	0.03	6.3	<0.1	<0.05	7	<0.5	<0.2
1165896	Soil	0.029	12	36	0.59	211	0.092	1	2.03	0.028	0.05	0.1	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000374.2

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1165891	Soil		0.4	29.1	16.1	54	<0.1	17.0	12.1	601	3.48	5.0	0.8	1.8	9.0	70	<0.1	0.9	0.5	79	0.95
1165890	Soil		0.5	26.1	10.3	63	<0.1	18.1	10.8	342	3.30	4.6	0.7	<0.5	6.5	49	<0.1	0.6	0.2	80	0.64
1165892	Soil		0.4	27.7	9.8	45	<0.1	22.8	10.2	292	2.79	6.3	0.6	2.0	4.2	38	0.1	0.4	0.1	72	0.46
1165893	Soil		0.6	53.0	13.5	41	0.1	29.4	11.1	385	3.27	6.9	1.0	5.6	7.4	48	<0.1	0.4	0.2	79	0.49
1165894	Soil		0.5	38.4	10.2	65	<0.1	16.9	12.8	519	3.78	6.1	1.1	4.2	15.0	48	<0.1	0.6	0.3	96	0.60
1165888	Soil		0.4	30.2	9.9	54	<0.1	22.5	11.9	425	3.16	8.0	1.2	2.4	5.1	43	<0.1	0.5	0.2	70	0.60
1165898	Soil		0.6	16.8	9.1	58	<0.1	12.8	12.5	574	3.55	4.6	0.6	1.2	12.5	47	0.1	0.7	0.2	86	0.40
1171553	Soil		0.6	30.3	7.2	68	<0.1	23.4	16.3	706	4.60	8.2	0.7	1.8	9.0	27	<0.1	0.4	0.1	110	0.47
1171554	Soil		1.4	14.0	7.5	55	0.2	15.2	11.3	710	2.74	5.0	0.3	1.0	2.1	20	0.2	0.4	0.2	69	0.40
1171555	Soil		0.8	16.8	7.8	65	<0.1	18.8	14.5	494	3.79	6.3	0.4	3.1	5.4	26	0.1	0.3	0.1	96	0.54
1171558	Soil		0.5	20.0	7.5	71	<0.1	11.3	16.9	957	4.51	3.0	0.7	<0.5	15.0	36	<0.1	0.4	<0.1	100	0.79
1171559	Soil		0.5	31.1	7.1	54	<0.1	19.8	12.5	621	3.03	4.4	0.3	1.7	8.9	31	<0.1	0.3	<0.1	71	0.75
1171557	Soil		1.2	27.9	10.5	80	<0.1	12.6	18.1	1023	4.83	3.5	1.1	1.8	11.1	27	<0.1	0.4	0.1	111	0.73
1171556	Soil		0.6	22.7	12.4	56	<0.1	14.5	15.0	685	4.13	4.9	1.6	2.0	12.0	16	<0.1	0.8	<0.1	61	0.42
1171562	Soil		0.8	34.3	19.9	85	<0.1	18.4	16.5	841	4.89	5.5	1.6	3.7	13.7	25	0.7	0.5	0.2	113	0.51
1171560	Soil		0.6	17.4	10.2	61	<0.1	13.9	15.7	665	3.94	6.1	0.8	<0.5	15.1	35	<0.1	0.3	<0.1	86	0.55
1171563	Soil		1.3	16.4	11.9	72	<0.1	10.7	12.6	923	4.14	5.1	0.9	2.9	42.0	19	<0.1	0.3	<0.1	69	0.31
1171561	Soil		0.6	38.1	18.2	94	<0.1	15.6	17.5	947	5.12	5.1	1.8	3.5	18.6	24	0.8	0.5	0.2	121	0.57
1165828	Soil		0.3	33.8	7.0	70	<0.1	20.3	16.4	795	4.21	5.1	0.7	1.8	9.5	43	0.1	0.4	<0.1	97	1.15
1165826	Soil		0.7	31.9	9.4	61	<0.1	24.7	15.4	689	3.84	7.2	1.1	3.1	6.6	34	0.1	0.5	0.1	100	0.75
1165825	Soil		0.6	37.8	8.6	66	<0.1	24.0	16.5	785	4.21	8.1	1.2	3.5	10.0	34	<0.1	0.4	0.1	101	0.66
1171564	Soil		0.8	23.7	28.3	41	<0.1	7.1	7.8	539	2.43	8.1	2.6	1.8	23.4	18	0.2	0.3	0.1	41	0.26
1165833	Soil		0.3	65.5	4.6	52	<0.1	10.5	12.3	595	3.15	3.3	0.8	0.8	10.0	25	<0.1	0.2	<0.1	84	0.48
1165830	Soil		0.5	27.4	7.0	68	<0.1	12.7	17.0	843	4.81	10.8	1.7	1.1	11.0	29	<0.1	0.2	<0.1	102	0.50
1165829	Soil		0.3	19.8	9.2	74	<0.1	12.6	17.4	825	4.40	5.2	0.8	<0.5	12.4	30	<0.1	0.2	<0.1	95	0.65
1165827	Soil		0.4	35.2	8.1	79	<0.1	19.6	18.9	885	4.83	5.5	0.9	7.5	11.6	46	0.1	0.3	<0.1	114	1.45
1165832	Soil		0.6	27.0	9.2	70	<0.1	18.4	17.2	638	4.91	6.0	1.1	0.8	8.4	28	<0.1	0.3	<0.1	123	0.52
1165834	Soil		0.4	13.5	6.4	60	<0.1	10.3	12.8	726	3.17	4.0	0.4	0.5	6.7	36	<0.1	0.2	<0.1	77	0.47
1171551	Soil		0.2	18.9	5.3	64	<0.1	8.2	14.9	622	3.74	3.4	0.9	1.2	35.6	32	<0.1	0.2	<0.1	92	0.66
1165831	Soil		1.0	16.9	7.7	63	<0.1	9.3	15.1	755	4.12	3.6	1.3	0.8	15.8	29	<0.1	0.3	<0.1	105	0.76

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	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	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.1	0.05	1	0.5	0.2	
1165891	Soil	0.039	17	27	0.83	264	0.143	<1	3.14	0.049	0.05	<0.1	0.05	7.5	<0.1	<0.05	9	<0.5	<0.2
1165890	Soil	0.060	13	30	0.80	246	0.179	<1	2.25	0.036	0.12	0.1	0.02	5.7	0.1	<0.05	7	<0.5	<0.2
1165892	Soil	0.041	13	38	0.65	201	0.132	<1	2.18	0.025	0.05	0.1	0.02	5.5	<0.1	<0.05	6	<0.5	<0.2
1165893	Soil	0.014	15	39	0.67	343	0.204	1	3.42	0.042	0.06	0.2	0.04	8.9	<0.1	<0.05	8	<0.5	<0.2
1165894	Soil	0.048	28	31	0.92	422	0.186	<1	2.46	0.034	0.12	0.2	0.03	8.5	0.1	<0.05	8	0.5	<0.2
1165888	Soil	0.054	14	35	0.68	245	0.117	1	2.18	0.034	0.04	<0.1	0.04	5.9	<0.1	<0.05	6	0.7	<0.2
1165898	Soil	0.073	11	23	1.00	337	0.161	2	3.00	0.019	0.19	0.1	<0.01	4.7	0.2	<0.05	9	<0.5	<0.2
1171553	Soil	0.025	18	35	1.26	145	0.181	2	3.09	0.018	0.04	0.2	0.01	7.6	<0.1	<0.05	10	0.5	<0.2
1171554	Soil	0.042	6	24	0.44	183	0.071	<1	1.88	0.017	0.04	0.2	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
1171555	Soil	0.040	8	33	0.96	147	0.100	2	2.98	0.013	0.08	0.1	<0.01	4.9	<0.1	<0.05	8	<0.5	<0.2
1171558	Soil	0.111	12	17	1.17	224	0.143	<1	2.68	0.023	0.19	0.3	<0.01	8.3	<0.1	<0.05	10	0.8	<0.2
1171559	Soil	0.046	15	25	0.78	149	0.074	1	1.78	0.049	0.07	<0.1	0.02	4.9	<0.1	<0.05	6	0.7	<0.2
1171557	Soil	0.058	29	21	1.36	232	0.068	<1	2.56	0.020	0.05	0.2	0.02	8.7	<0.1	<0.05	10	0.7	<0.2
1171556	Soil	0.036	27	20	0.93	541	0.004	<1	2.43	0.009	0.07	0.4	0.01	9.9	<0.1	<0.05	7	0.9	<0.2
1171562	Soil	0.054	30	35	1.28	163	0.121	<1	2.91	0.027	0.05	0.1	0.02	12.4	<0.1	<0.05	10	1.1	<0.2
1171560	Soil	0.060	10	25	1.06	237	0.149	<1	2.59	0.022	0.09	0.1	<0.01	4.8	<0.1	<0.05	9	<0.5	<0.2
1171563	Soil	0.042	28	18	1.00	174	0.038	<1	2.45	0.013	0.14	0.1	<0.01	8.1	<0.1	<0.05	10	0.7	<0.2
1171561	Soil	0.072	36	28	1.45	192	0.116	<1	2.87	0.024	0.06	<0.1	0.04	14.6	<0.1	<0.05	11	1.0	<0.2
1165828	Soil	0.083	18	27	1.33	141	0.143	<1	2.23	0.033	0.06	0.2	0.02	5.6	<0.1	<0.05	8	0.6	<0.2
1165826	Soil	0.054	21	40	0.99	172	0.134	1	2.59	0.040	0.05	0.1	0.03	8.9	<0.1	<0.05	8	1.1	<0.2
1165825	Soil	0.058	22	38	1.07	230	0.135	<1	2.74	0.031	0.06	0.1	0.04	10.2	<0.1	<0.05	8	0.7	<0.2
1171564	Soil	0.014	34	10	0.27	148	0.001	<1	1.46	0.010	0.10	<0.1	0.03	6.6	<0.1	<0.05	4	0.8	<0.2
1165833	Soil	0.065	14	19	0.90	165	0.171	<1	2.56	0.028	0.09	0.2	<0.01	6.0	<0.1	<0.05	8	0.7	<0.2
1165830	Soil	0.050	18	23	1.13	164	0.131	<1	2.92	0.026	0.11	0.1	0.01	11.7	<0.1	<0.05	9	1.0	<0.2
1165829	Soil	0.056	12	22	1.33	152	0.178	<1	3.25	0.029	0.06	0.2	<0.01	6.1	<0.1	<0.05	10	0.7	<0.2
1165827	Soil	0.081	21	28	1.54	147	0.182	<1	2.62	0.036	0.07	0.2	0.02	7.2	<0.1	<0.05	10	0.8	<0.2
1165832	Soil	0.040	14	32	1.31	127	0.228	<1	3.35	0.019	0.04	0.3	0.02	10.1	<0.1	<0.05	11	0.6	<0.2
1165834	Soil	0.047	8	17	0.86	152	0.112	<1	2.87	0.027	0.05	0.1	<0.01	4.6	<0.1	<0.05	8	0.7	<0.2
1171551	Soil	0.096	48	18	1.14	154	0.200	<1	2.68	0.024	0.09	0.1	<0.01	5.2	<0.1	<0.05	9	0.7	<0.2
1165831	Soil	0.090	16	19	1.18	167	0.178	<1	3.09	0.027	0.13	0.2	<0.01	9.5	<0.1	<0.05	9	1.1	<0.2

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CERTIFICATE OF ANALYSIS

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1171552	Soil		0.2	18.9	5.7	61	<0.1	9.7	14.1	589	3.43	3.8	0.8	<0.5	33.0	31	<0.1	0.1	<0.1	87	0.62
1171575	Soil		0.6	22.1	5.4	56	<0.1	16.5	13.1	498	3.44	6.2	0.6	1.7	12.0	21	<0.1	0.3	<0.1	88	0.40
1171576	Soil		0.3	31.7	3.8	84	<0.1	14.5	20.4	866	5.77	8.0	0.9	<0.5	13.1	25	<0.1	0.2	1.4	133	0.54
1171574	Soil		0.4	21.6	4.9	62	<0.1	14.9	15.9	586	4.03	6.6	0.6	1.9	18.5	24	<0.1	0.2	<0.1	107	0.46
1171567	Soil		0.6	24.9	24.4	68	<0.1	14.2	13.0	538	3.94	8.2	0.6	1.5	10.3	21	<0.1	0.3	0.1	69	0.30
1171568	Soil		0.9	17.7	13.8	69	<0.1	13.6	12.9	471	3.76	5.8	0.5	1.1	9.9	17	<0.1	0.4	<0.1	82	0.24
1171565	Soil		0.5	16.3	18.4	70	<0.1	10.5	13.6	721	3.79	4.7	0.9	0.6	14.7	26	0.1	0.2	0.1	91	0.30
1171570	Soil		0.7	30.8	8.3	65	<0.1	14.4	15.9	735	4.09	5.3	0.9	1.2	13.6	33	<0.1	0.2	<0.1	106	0.52
1171566	Soil		0.7	17.7	16.0	51	<0.1	6.9	9.9	575	2.84	5.7	0.9	2.1	13.8	14	0.3	0.1	<0.1	47	0.34
1171572	Soil		0.4	25.1	6.5	54	<0.1	11.6	13.4	580	3.43	6.4	1.0	0.9	12.8	28	<0.1	0.2	<0.1	95	0.56
1171569	Soil		0.9	21.9	8.1	62	<0.1	23.0	14.3	414	3.73	8.5	0.6	1.1	8.8	19	<0.1	0.4	<0.1	91	0.30
1171571	Soil		0.8	18.3	7.5	70	<0.1	19.2	14.0	543	3.50	6.0	0.7	1.3	9.6	23	<0.1	0.3	<0.1	97	0.39
1171573	Soil		0.3	26.4	5.5	53	<0.1	10.2	13.0	489	3.33	5.0	1.1	1.4	17.1	22	<0.1	0.3	0.1	87	0.49
1171522	Soil		0.5	18.7	5.7	57	<0.1	19.1	13.9	647	3.63	6.7	2.2	3.3	16.7	25	<0.1	0.3	0.1	91	0.47
1171520	Soil		1.0	14.1	6.7	72	<0.1	13.7	14.4	708	4.35	7.1	2.1	1.0	18.3	18	<0.1	0.5	0.1	96	0.35
1171518	Soil		0.3	13.8	5.6	65	<0.1	10.8	13.1	785	3.87	4.2	1.2	<0.5	24.3	23	<0.1	0.4	0.1	108	0.47
1171519	Soil		0.7	17.2	6.7	54	<0.1	19.7	12.2	403	3.23	6.9	0.7	1.5	10.0	24	<0.1	0.6	0.2	76	0.35
1171521	Soil		0.7	19.4	5.9	56	<0.1	20.2	14.2	721	3.84	7.0	2.2	0.9	17.4	27	<0.1	0.4	0.1	99	0.50
1171517	Soil		0.8	20.7	8.5	92	<0.1	13.0	17.3	740	4.82	6.5	0.6	3.0	12.0	19	<0.1	0.6	0.4	120	0.29
1171516	Soil		0.6	25.4	5.5	50	<0.1	21.0	11.6	378	3.31	7.4	1.9	6.9	15.4	29	<0.1	0.4	0.1	89	0.34
1171515	Soil		0.8	24.3	10.1	49	<0.1	21.7	11.5	475	3.22	7.0	0.8	5.1	7.5	30	<0.1	0.6	0.2	70	0.39
1171514	Soil		0.4	24.5	7.1	65	<0.1	14.7	15.1	1004	4.24	6.9	1.3	4.0	26.0	32	<0.1	1.1	0.1	99	0.49
1171513	Soil		0.6	26.1	6.5	52	<0.1	19.4	12.3	395	3.47	6.3	1.1	2.4	10.8	32	<0.1	0.5	0.1	91	0.38
1171512	Soil		0.7	31.2	8.4	72	<0.1	22.2	15.1	603	4.22	6.0	1.1	4.6	9.5	37	<0.1	0.5	0.1	104	0.52
1171524	Soil		0.6	16.5	7.1	63	<0.1	19.2	13.6	730	3.28	5.6	0.8	4.7	6.6	26	0.1	0.3	0.1	79	0.29
1171523	Soil		0.3	12.7	5.8	70	<0.1	11.2	14.0	766	4.00	5.5	1.0	1.5	30.5	22	<0.1	0.3	<0.1	102	0.59
1171525	Soil		0.8	28.7	18.3	69	<0.1	17.6	11.3	613	3.90	5.0	1.3	1.0	10.0	31	0.1	0.2	0.7	98	0.45
1171526	Soil		0.1	61.0	4.5	45	<0.1	23.5	18.8	379	3.52	3.5	0.6	<0.5	4.2	143	<0.1	0.4	0.3	94	1.28
1171527	Soil		0.3	26.5	10.7	57	<0.1	10.9	14.6	762	4.16	4.0	1.2	1.7	12.5	30	<0.1	0.4	0.1	94	0.62
1171529	Soil		0.4	17.8	6.3	66	<0.1	8.6	13.2	755	3.82	4.5	0.9	1.6	10.6	25	<0.1	0.5	<0.1	88	0.48

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Project: WLF
 Report Date: January 04, 2012

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Analyte	P	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	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.1	0.05	1	0.5	0.2	
1171552	Soil	0.101	43	18	1.08	155	0.201	<1	2.63	0.024	0.09	0.1	<0.01	4.9	<0.1	<0.05	8	<0.5	<0.2
1171575	Soil	0.058	9	27	0.82	358	0.125	<1	2.55	0.029	0.24	<0.1	<0.01	5.2	0.2	<0.05	7	0.7	<0.2
1171576	Soil	0.099	15	25	1.52	438	0.040	1	3.15	0.036	0.18	0.1	0.01	17.7	<0.1	<0.05	11	1.2	<0.2
1171574	Soil	0.082	12	26	1.15	380	0.245	<1	2.97	0.032	0.55	0.2	<0.01	5.2	0.3	<0.05	9	0.6	<0.2
1171567	Soil	0.020	24	25	0.89	236	0.011	<1	2.56	0.010	0.08	<0.1	0.01	7.0	0.4	<0.05	7	<0.5	<0.2
1171568	Soil	0.041	17	25	0.82	207	0.017	1	2.51	0.010	0.10	<0.1	<0.01	4.6	0.2	<0.05	8	<0.5	<0.2
1171565	Soil	0.049	12	19	1.09	227	0.043	<1	2.89	0.021	0.09	0.1	<0.01	8.2	<0.1	<0.05	9	1.1	<0.2
1171570	Soil	0.052	17	26	1.19	163	0.153	<1	2.82	0.024	0.05	0.1	0.01	8.9	<0.1	<0.05	9	0.8	<0.2
1171566	Soil	0.036	24	10	0.70	129	<0.001	<1	1.75	0.008	0.09	<0.1	0.02	7.6	<0.1	<0.05	5	0.6	<0.2
1171572	Soil	0.075	16	22	0.92	306	0.170	<1	2.94	0.030	0.18	0.1	<0.01	9.0	<0.1	<0.05	9	0.6	<0.2
1171569	Soil	0.060	7	34	0.72	271	0.142	<1	2.77	0.018	0.11	<0.1	<0.01	3.3	<0.1	<0.05	8	0.7	<0.2
1171571	Soil	0.045	9	30	0.80	352	0.184	<1	2.91	0.025	0.16	0.1	0.01	3.4	0.2	<0.05	8	<0.5	<0.2
1171573	Soil	0.117	12	19	0.99	331	0.182	1	2.20	0.018	0.32	0.1	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
1171522	Soil	0.083	23	31	0.92	414	0.205	2	2.13	0.018	0.44	0.3	<0.01	6.6	0.5	<0.05	7	<0.5	<0.2
1171520	Soil	0.079	16	22	0.99	430	0.188	1	2.34	0.015	0.41	0.1	<0.01	8.8	0.5	<0.05	8	<0.5	<0.2
1171518	Soil	0.098	16	19	1.17	420	0.231	<1	2.20	0.016	0.47	0.1	<0.01	9.5	0.5	<0.05	8	0.5	<0.2
1171519	Soil	0.050	9	30	0.78	319	0.103	<1	2.22	0.015	0.14	0.1	<0.01	4.6	0.2	<0.05	6	<0.5	<0.2
1171521	Soil	0.084	27	34	0.95	433	0.213	2	2.20	0.023	0.41	0.5	<0.01	7.0	0.4	<0.05	7	<0.5	<0.2
1171517	Soil	0.061	7	21	1.30	368	0.286	<1	3.36	0.015	0.55	0.3	<0.01	5.2	0.5	<0.05	11	0.6	<0.2
1171516	Soil	0.018	18	41	0.77	326	0.177	1	2.20	0.023	0.13	0.2	0.05	7.3	0.2	<0.05	6	0.6	<0.2
1171515	Soil	0.024	21	36	0.70	216	0.096	<1	2.01	0.022	0.07	0.1	0.06	6.3	<0.1	<0.05	6	1.4	<0.2
1171514	Soil	0.059	24	23	1.17	300	0.157	<1	2.63	0.016	0.15	0.2	0.02	12.9	0.3	<0.05	9	<0.5	<0.2
1171513	Soil	0.014	26	36	0.83	253	0.204	1	2.34	0.019	0.10	0.1	0.02	5.9	0.2	<0.05	7	<0.5	<0.2
1171512	Soil	0.037	19	38	1.14	305	0.219	<1	2.58	0.029	0.27	0.2	0.03	8.4	0.4	<0.05	8	0.6	<0.2
1171524	Soil	0.039	9	31	0.71	412	0.129	1	2.31	0.024	0.09	0.1	<0.01	5.2	0.2	<0.05	7	<0.5	<0.2
1171523	Soil	0.138	20	17	1.12	478	0.262	<1	2.22	0.021	0.57	0.3	<0.01	6.5	0.5	<0.05	8	<0.5	<0.2
1171525	Soil	0.049	12	25	0.93	427	0.218	2	2.51	0.033	0.32	0.9	<0.01	4.4	0.3	<0.05	8	<0.5	<0.2
1171526	Soil	0.054	15	8	1.38	574	0.244	<1	4.87	0.184	0.28	0.3	0.01	1.7	0.4	<0.05	10	<0.5	<0.2
1171527	Soil	0.106	22	16	1.06	420	0.255	<1	2.44	0.031	0.60	0.4	0.02	5.9	0.5	<0.05	9	<0.5	<0.2
1171529	Soil	0.083	13	15	0.95	466	0.231	<1	2.53	0.022	0.63	0.6	<0.01	6.9	0.3	<0.05	8	<0.5	<0.2

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 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1171528	Soil		0.3	17.8	9.2	65	<0.1	9.4	12.5	591	3.82	4.2	2.3	0.7	14.3	26	<0.1	0.3	<0.1	85	0.65
1171530	Soil		0.6	20.6	6.2	47	<0.1	23.8	11.1	386	3.19	7.6	0.8	2.4	6.5	28	<0.1	0.4	0.1	82	0.42
1171531	Soil		0.5	34.7	14.6	71	<0.1	13.1	12.9	843	3.90	3.8	0.8	1.7	10.5	32	<0.1	1.0	0.6	69	0.60
1171532	Soil		0.2	14.1	9.4	71	<0.1	9.6	12.7	711	3.46	5.4	0.5	1.3	13.5	19	<0.1	0.3	0.1	77	0.47
1171535	Soil		0.7	23.7	7.7	86	<0.1	17.6	19.5	755	5.25	7.4	0.5	0.9	14.0	19	<0.1	0.3	0.1	131	0.35
1171533	Soil		0.4	24.1	5.2	51	<0.1	14.6	11.4	330	3.63	4.6	0.7	3.3	6.8	54	<0.1	0.4	0.1	98	0.62
1171502	Soil		0.3	14.5	7.5	57	<0.1	8.6	13.0	743	3.54	15.5	1.1	1.9	15.1	42	<0.1	0.6	0.1	80	0.47
1171501	Soil		0.3	14.3	7.6	58	<0.1	7.1	13.7	877	3.60	15.7	1.2	0.8	15.7	43	<0.1	0.6	0.1	86	0.51
1171506	Soil		<0.1	6.4	4.7	32	<0.1	2.9	6.6	446	1.90	4.6	0.5	1.1	12.0	102	<0.1	1.0	<0.1	42	0.97
1171504	Soil		0.6	14.5	6.9	61	<0.1	9.4	13.4	619	3.67	6.8	1.0	0.7	14.3	42	<0.1	0.7	<0.1	96	0.46
1171503	Soil		0.8	20.0	8.5	90	0.1	19.0	12.7	1327	2.76	5.5	0.4	<0.5	2.9	40	0.2	0.4	0.2	72	0.49
1171508	Soil		0.6	17.0	6.4	55	<0.1	11.8	12.0	576	3.58	4.8	1.1	1.5	11.0	28	<0.1	0.7	0.2	102	0.44
1171505	Soil		0.5	21.8	6.8	60	<0.1	13.3	15.3	827	4.23	9.4	1.1	4.1	25.4	40	<0.1	1.1	0.2	108	0.36
1171507	Soil		0.5	20.6	6.9	60	<0.1	11.3	9.9	544	3.84	8.7	0.9	2.8	12.7	40	<0.1	1.0	0.2	104	0.47
1171509	Soil		0.5	17.1	6.4	56	<0.1	16.0	11.6	450	3.17	3.7	0.9	4.9	13.0	29	<0.1	0.3	<0.1	86	0.41
1171510	Soil		0.9	37.4	8.7	47	0.1	26.7	11.9	458	3.25	7.4	4.1	4.8	5.8	43	<0.1	0.6	0.1	82	0.59
1171534	Soil		0.7	22.2	7.9	87	<0.1	16.5	19.6	815	5.32	6.5	0.7	2.2	16.6	20	<0.1	0.3	0.1	136	0.41
1171511	Soil		0.6	28.9	7.3	58	<0.1	18.6	13.5	548	3.66	5.5	1.2	4.1	10.5	47	<0.1	0.4	0.2	94	0.55
1178447	Soil		0.6	23.0	7.6	69	<0.1	16.2	15.7	667	4.08	9.7	0.8	0.8	12.6	21	<0.1	0.4	0.1	105	0.38
1178445	Soil		0.2	11.1	3.6	54	<0.1	3.9	11.9	723	3.11	35.9	0.6	1.3	11.1	24	<0.1	4.1	<0.1	67	0.41
1178449	Soil		0.7	13.0	6.3	58	<0.1	12.6	11.2	501	3.32	7.1	0.4	<0.5	8.5	18	<0.1	1.0	<0.1	71	0.24
1089637	Soil		0.2	12.0	4.0	48	<0.1	4.2	11.2	512	2.79	4.2	0.6	<0.5	7.4	29	<0.1	0.5	<0.1	65	0.59
1178443	Soil		0.8	19.7	8.6	66	<0.1	16.8	13.8	684	3.50	10.6	1.0	0.8	9.7	26	<0.1	0.9	0.1	89	0.44
1178444	Soil		0.8	19.0	18.9	84	0.7	17.4	13.3	560	3.73	49.8	0.7	<0.5	10.5	23	0.2	5.0	0.1	96	0.35
1178446	Soil		0.6	20.1	10.1	69	<0.1	14.3	15.3	655	4.08	9.7	1.0	<0.5	11.7	27	<0.1	0.8	0.1	92	0.49
1178442	Soil		0.9	32.5	147.4	106	0.5	15.0	14.2	1373	3.72	156.7	2.0	12.7	13.7	30	0.4	3.0	0.3	76	0.58
1178448	Soil		0.2	14.4	8.0	46	<0.1	7.2	11.5	596	2.97	5.9	0.6	<0.5	12.5	38	<0.1	0.6	<0.1	68	0.35
1178450	Soil		0.3	16.4	5.3	66	<0.1	8.1	15.0	695	4.00	9.2	0.8	<0.5	9.8	23	<0.1	1.2	<0.1	94	0.58
1089638	Soil		0.3	22.8	6.0	51	<0.1	17.0	11.8	410	3.46	6.4	0.9	<0.5	7.6	28	<0.1	0.4	<0.1	85	0.52
1089639	Soil		0.3	11.8	7.4	58	<0.1	7.5	10.7	558	3.07	4.4	0.8	0.9	16.1	29	<0.1	0.4	<0.1	69	0.57

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	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	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1171528	Soil	0.101	18	14	0.89	241	0.178	<1	2.34	0.022	0.36	0.2	<0.01	6.1	0.2	<0.05	8	<0.5	<0.2
1171530	Soil	0.055	15	42	0.67	272	0.145	<1	1.96	0.021	0.19	0.2	0.01	5.8	0.1	<0.05	6	<0.5	<0.2
1171531	Soil	0.047	23	18	1.25	2959	0.014	<1	2.90	0.027	0.06	<0.1	0.02	8.4	<0.1	<0.05	8	<0.5	<0.2
1171532	Soil	0.079	8	14	0.87	370	0.241	<1	2.90	0.016	0.38	0.1	<0.01	3.3	0.3	<0.05	8	<0.5	0.2
1171535	Soil	0.036	13	25	1.44	325	0.378	<1	3.34	0.021	0.81	0.2	0.01	4.0	0.6	<0.05	11	<0.5	<0.2
1171533	Soil	0.071	16	18	0.88	387	0.250	<1	2.33	0.065	0.25	0.2	<0.01	3.7	0.3	<0.05	7	<0.5	<0.2
1171502	Soil	0.050	29	15	1.16	431	0.175	<1	2.26	0.018	0.27	0.2	0.01	8.5	0.3	<0.05	8	<0.5	<0.2
1171501	Soil	0.051	31	13	1.18	475	0.217	1	2.43	0.020	0.33	0.3	<0.01	9.4	0.3	<0.05	8	<0.5	<0.2
1171506	Soil	0.033	11	6	0.59	205	0.050	<1	2.23	0.014	0.16	0.1	<0.01	5.8	0.1	<0.05	7	<0.5	<0.2
1171504	Soil	0.050	18	21	1.01	338	0.228	<1	2.43	0.019	0.41	0.2	<0.01	5.7	0.3	<0.05	8	<0.5	<0.2
1171503	Soil	0.064	7	26	0.51	338	0.113	1	1.98	0.027	0.07	0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
1171508	Soil	0.029	17	25	0.96	330	0.233	<1	2.15	0.020	0.35	0.2	<0.01	4.5	0.2	<0.05	7	<0.5	<0.2
1171505	Soil	0.065	17	23	1.15	319	0.190	<1	2.60	0.018	0.27	0.2	0.01	10.2	0.3	<0.05	9	0.6	<0.2
1171507	Soil	0.035	19	24	1.19	286	0.105	<1	3.15	0.016	0.19	0.4	<0.01	5.6	0.3	<0.05	9	<0.5	<0.2
1171509	Soil	0.039	11	30	0.88	308	0.207	<1	2.05	0.024	0.26	<0.1	<0.01	4.0	0.2	<0.05	7	<0.5	<0.2
1171510	Soil	0.043	21	42	0.70	318	0.128	<1	2.15	0.037	0.06	0.1	0.06	7.1	<0.1	<0.05	6	<0.5	<0.2
1171534	Soil	0.052	17	24	1.47	362	0.386	<1	3.46	0.022	0.85	0.2	<0.01	4.3	0.6	<0.05	11	<0.5	<0.2
1171511	Soil	0.033	19	35	0.90	319	0.207	<1	2.53	0.034	0.14	0.1	0.02	7.0	0.2	<0.05	7	0.6	<0.2
1178447	Soil	0.067	8	24	1.10	316	0.265	2	3.39	0.018	0.28	0.2	0.02	3.5	0.2	<0.05	10	<0.5	<0.2
1178445	Soil	0.069	21	10	0.93	75	0.013	<1	1.78	0.028	0.08	<0.1	0.02	8.6	<0.1	<0.05	6	<0.5	<0.2
1178449	Soil	0.022	15	24	0.86	205	0.029	1	2.45	0.013	0.05	<0.1	0.01	5.2	<0.1	<0.05	7	<0.5	<0.2
1089637	Soil	0.116	10	11	0.86	293	0.160	1	1.82	0.030	0.14	0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
1178443	Soil	0.043	8	25	0.82	224	0.173	1	2.85	0.020	0.08	0.1	<0.01	4.2	<0.1	<0.05	9	<0.5	<0.2
1178444	Soil	0.053	11	28	0.91	253	0.179	1	2.83	0.024	0.19	0.1	0.02	3.9	0.2	<0.05	8	<0.5	<0.2
1178446	Soil	0.054	15	26	1.22	164	0.190	<1	2.73	0.022	0.05	0.3	0.02	5.8	<0.1	<0.05	9	<0.5	<0.2
1178442	Soil	0.052	26	26	0.98	204	0.062	2	2.18	0.022	0.08	<0.1	0.06	10.1	0.1	<0.05	7	<0.5	<0.2
1178448	Soil	0.049	13	16	0.89	142	0.099	<1	1.96	0.021	0.05	0.5	<0.01	6.0	<0.1	<0.05	6	<0.5	<0.2
1178450	Soil	0.108	12	16	1.15	281	0.200	<1	2.41	0.020	0.30	0.3	<0.01	5.6	0.2	<0.05	9	<0.5	<0.2
1089638	Soil	0.068	12	28	0.92	143	0.156	<1	1.97	0.027	0.08	0.1	0.02	5.1	<0.1	<0.05	7	<0.5	<0.2
1089639	Soil	0.096	14	14	0.81	223	0.159	<1	2.22	0.025	0.07	0.2	<0.01	3.1	<0.1	<0.05	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000374.2

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1089640	Soil		0.4	35.5	4.2	95	<0.1	14.4	26.0	967	6.26	6.0	0.4	<0.5	5.2	37	<0.1	0.3	<0.1	145	0.64
1165995	Soil		0.2	12.1	7.1	48	<0.1	7.4	10.2	569	2.94	5.1	1.0	<0.5	13.2	47	<0.1	0.4	<0.1	71	0.48
1165996	Soil		0.3	12.2	6.6	58	<0.1	6.0	11.0	594	3.08	5.3	0.8	<0.5	15.5	25	<0.1	0.5	0.1	65	0.59
1165997	Soil		0.2	17.3	7.2	69	<0.1	5.0	13.7	703	3.82	4.1	0.9	<0.5	20.5	21	<0.1	0.6	<0.1	97	0.88
1165998	Soil		0.1	16.7	7.6	70	<0.1	5.5	13.5	784	3.83	4.4	1.2	0.9	17.6	52	<0.1	0.8	<0.1	97	1.25
1166000	Soil		0.4	11.5	6.5	57	<0.1	8.2	11.0	512	3.03	3.4	0.6	<0.5	16.3	23	<0.1	0.3	<0.1	71	0.55
1165999	Soil		0.4	17.3	10.1	74	<0.1	12.4	13.2	626	3.88	5.8	0.7	<0.5	10.6	31	<0.1	0.5	0.1	86	0.55
1178408	Soil		0.2	14.4	6.4	67	<0.1	7.9	13.7	672	3.97	3.7	1.4	<0.5	20.1	27	<0.1	0.3	<0.1	87	0.62
1178409	Soil		0.1	29.3	8.9	79	0.2	14.1	29.2	947	5.95	3.4	0.8	<0.5	3.8	28	<0.1	0.8	1.2	133	0.63
1178441	Soil		0.5	20.6	8.0	67	<0.1	15.1	14.6	609	4.03	7.2	1.0	<0.5	8.9	27	0.1	0.7	<0.1	92	0.59
1202244	Soil		1.3	37.9	81.3	61	<0.1	32.1	13.0	463	2.86	12.1	1.1	<0.5	16.9	17	0.1	0.6	0.7	44	0.22
1202243	Soil		4.2	42.3	31.0	74	0.3	41.3	13.5	467	3.32	12.9	0.9	1.8	6.6	40	0.5	1.1	0.2	68	0.46
1201198	Soil		0.6	24.0	14.8	47	<0.1	20.7	7.8	315	2.34	5.8	0.9	<0.5	8.4	30	<0.1	0.7	0.2	55	0.37
1202245	Soil		0.6	41.6	8.3	52	<0.1	26.9	13.2	439	3.15	7.7	0.7	4.6	3.9	32	<0.1	0.5	0.1	74	0.41
1202242	Soil		3.7	41.2	30.1	71	0.2	39.8	13.7	445	3.25	12.4	1.0	2.0	6.7	39	0.4	1.1	0.2	69	0.46
1201197	Soil		0.5	28.7	16.7	50	<0.1	21.5	9.7	312	2.72	6.0	0.9	0.9	7.7	41	<0.1	0.4	0.2	62	0.46
1202247	Soil		1.4	77.5	124.4	170	0.1	70.9	29.4	1455	3.76	10.5	1.2	3.6	26.6	22	1.1	0.4	1.1	24	0.32
1202246	Soil		0.6	40.7	7.9	53	<0.1	26.4	13.1	433	3.19	7.4	0.7	4.4	3.6	31	<0.1	0.4	0.1	71	0.40
1202248	Soil		0.9	33.1	8.1	55	0.1	34.2	16.3	457	3.25	8.4	0.6	<0.5	2.7	27	0.2	0.4	0.2	81	0.35
1178429	Soil		0.9	21.4	9.7	58	<0.1	16.0	13.5	590	3.55	15.6	1.3	1.7	9.5	31	0.1	1.2	0.2	82	0.49
1178431	Soil		0.8	24.2	9.7	60	<0.1	18.5	13.8	566	3.71	8.5	1.4	2.2	10.2	35	<0.1	0.7	0.1	94	0.61
1178432	Soil		0.9	20.8	8.1	71	<0.1	15.4	15.1	648	3.97	7.1	1.0	0.6	8.6	38	<0.1	0.6	0.1	95	0.52
1178433	Soil		0.5	22.6	5.7	56	<0.1	17.6	10.8	483	3.03	6.2	1.5	5.4	9.7	39	0.1	0.3	<0.1	77	0.68
1178435	Soil		0.8	22.2	6.8	58	<0.1	15.7	10.8	512	3.02	5.3	3.8	0.8	7.4	43	<0.1	0.5	0.1	71	0.75
1178434	Soil		0.9	20.8	7.2	59	<0.1	15.8	11.3	531	3.13	4.7	3.3	1.5	7.6	44	0.1	0.6	0.1	76	0.70
1178437	Soil		0.7	18.9	8.7	62	<0.1	11.1	12.7	580	3.59	4.5	0.8	<0.5	12.0	34	<0.1	1.0	0.1	89	0.50
1178438	Soil		0.5	22.9	8.1	69	<0.1	12.6	14.4	659	4.11	5.0	1.1	<0.5	11.5	39	<0.1	0.9	0.1	97	0.59
1178439	Soil		0.5	23.4	6.5	60	<0.1	17.1	12.4	540	3.55	6.3	1.1	6.2	8.6	36	<0.1	0.7	0.1	88	0.58
1178430	Soil		0.6	19.3	9.2	57	<0.1	15.4	13.3	599	3.51	15.9	1.3	1.7	9.5	29	<0.1	1.2	0.1	84	0.49
1178440	Soil		0.4	21.0	5.7	46	<0.1	22.0	9.1	341	2.71	7.4	1.1	5.0	5.4	35	<0.1	0.5	0.1	72	0.53

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000374.2

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	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	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1089640	Soil	0.065	8	13	2.41	155	0.117	<1	3.77	0.018	0.05	0.1	<0.01	5.9	<0.1	<0.05	12	<0.5	<0.2
1165995	Soil	0.088	10	12	0.85	277	0.135	<1	2.03	0.032	0.10	0.1	0.01	4.2	<0.1	<0.05	7	<0.5	<0.2
1165996	Soil	0.118	18	13	0.89	284	0.127	<1	1.73	0.021	0.08	0.2	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1165997	Soil	0.122	16	11	1.16	488	0.289	<1	1.97	0.033	0.36	0.2	0.02	3.5	0.3	<0.05	8	<0.5	<0.2
1165998	Soil	0.109	20	11	1.09	294	0.274	<1	2.76	0.033	0.23	0.2	0.01	4.5	0.2	<0.05	9	<0.5	<0.2
1166000	Soil	0.111	10	14	0.83	248	0.171	<1	2.07	0.022	0.11	0.1	<0.01	2.6	<0.1	<0.05	7	<0.5	<0.2
1165999	Soil	0.092	12	23	1.05	174	0.141	<1	2.84	0.019	0.08	0.2	<0.01	5.8	<0.1	<0.05	9	<0.5	<0.2
1178408	Soil	0.126	18	14	1.17	181	0.211	<1	2.38	0.021	0.08	0.1	<0.01	4.2	<0.1	<0.05	9	<0.5	<0.2
1178409	Soil	0.095	44	15	2.68	67	0.006	<1	3.40	0.009	0.07	<0.1	0.01	9.6	<0.1	<0.05	10	<0.5	<0.2
1178441	Soil	0.052	11	26	1.11	129	0.155	<1	2.12	0.027	0.06	0.1	<0.01	5.4	<0.1	<0.05	8	<0.5	<0.2
1202244	Soil	0.041	31	48	1.20	92	0.062	<1	1.63	0.007	0.06	<0.1	0.02	4.8	0.1	<0.05	5	<0.5	<0.2
1202243	Soil	0.062	24	48	0.91	223	0.086	3	2.06	0.018	0.09	0.1	0.04	5.8	0.2	<0.05	6	<0.5	<0.2
1201198	Soil	0.059	30	31	0.51	156	0.086	1	1.46	0.016	0.08	<0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
1202245	Soil	0.037	15	44	0.83	191	0.108	1	2.27	0.020	0.05	0.1	0.04	7.0	<0.1	<0.05	6	<0.5	<0.2
1202242	Soil	0.063	23	46	0.90	217	0.089	2	2.04	0.018	0.09	0.1	0.05	5.8	0.1	<0.05	6	<0.5	<0.2
1201197	Soil	0.072	35	34	0.65	163	0.111	2	1.88	0.020	0.09	<0.1	0.03	5.8	0.2	<0.05	5	<0.5	<0.2
1202247	Soil	0.091	76	72	2.01	115	0.040	1	1.63	0.003	0.12	<0.1	0.04	4.6	0.3	<0.05	5	<0.5	0.4
1202246	Soil	0.039	14	43	0.81	190	0.103	<1	2.27	0.020	0.05	<0.1	0.03	7.0	<0.1	<0.05	6	<0.5	<0.2
1202248	Soil	0.058	10	56	0.82	200	0.104	<1	2.63	0.016	0.04	<0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
1178429	Soil	0.053	20	30	0.87	226	0.086	1	2.37	0.018	0.07	0.1	0.02	6.7	0.2	<0.05	7	<0.5	<0.2
1178431	Soil	0.062	16	37	0.84	237	0.160	1	2.31	0.025	0.07	0.2	0.02	5.9	0.1	<0.05	7	<0.5	<0.2
1178432	Soil	0.088	13	29	0.98	197	0.134	1	2.65	0.021	0.12	0.4	0.02	5.4	0.1	<0.05	8	<0.5	<0.2
1178433	Soil	0.081	16	30	0.82	195	0.152	1	1.71	0.038	0.10	0.2	<0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
1178435	Soil	0.082	17	26	0.81	198	0.111	1	1.91	0.027	0.06	2.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
1178434	Soil	0.076	16	27	0.83	192	0.120	1	1.87	0.027	0.06	2.0	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
1178437	Soil	0.051	11	21	1.05	147	0.145	1	2.27	0.019	0.10	0.1	<0.01	5.4	<0.1	<0.05	8	<0.5	<0.2
1178438	Soil	0.059	13	24	1.20	159	0.148	<1	2.35	0.028	0.05	0.2	<0.01	5.9	<0.1	<0.05	8	<0.5	<0.2
1178439	Soil	0.064	16	29	0.98	126	0.137	<1	2.01	0.033	0.05	0.1	0.02	6.6	<0.1	<0.05	7	<0.5	<0.2
1178430	Soil	0.053	20	29	0.85	221	0.082	<1	2.23	0.019	0.07	0.2	0.03	7.3	0.1	<0.05	7	<0.5	<0.2
1178440	Soil	0.053	16	33	0.65	137	0.114	1	1.62	0.029	0.05	0.2	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2

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 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000374.2

Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1178436	Soil		1.2	22.4	6.9	51	0.1	19.8	9.2	366	2.56	8.4	1.4	0.7	3.2	40	0.1	1.1	0.1	67	0.71
1165802	Soil		1.7	75.3	75.2	118	1.4	29.3	23.9	769	4.18	1190	1.4	33.0	2.9	74	0.7	6.2	12.3	87	0.27
1165809	Soil		1.7	24.7	26.4	52	0.3	13.1	8.0	358	3.11	48.9	0.6	2.0	0.6	24	0.3	1.1	1.5	82	0.19
1165986	Soil		1.3	26.1	27.2	44	0.8	12.2	10.2	454	2.32	426.7	0.4	2.4	<0.1	52	0.3	2.5	4.5	41	0.35
1165804	Soil		1.4	37.6	34.9	71	0.3	18.9	12.6	466	3.71	383.0	1.0	11.7	0.7	28	0.5	2.2	5.7	84	0.15
1165801	Soil		5.7	91.7	490.5	96	1.8	24.3	24.8	752	5.21	6868	1.5	103.6	2.1	73	1.0	25.7	27.7	65	0.33
1165985	Soil		1.4	27.4	22.9	75	0.5	18.6	11.3	406	3.05	517.2	0.6	1.9	0.2	61	0.7	1.7	2.2	60	0.50
1165803	Soil		2.5	47.5	26.6	64	0.6	16.3	23.2	1023	3.75	798.5	0.9	3.8	0.4	39	0.4	2.3	3.5	71	0.18
1165806	Soil		1.6	53.7	24.1	68	0.6	21.4	15.6	638	3.30	317.6	1.0	10.8	0.5	38	0.3	1.3	5.2	82	0.25
1165805	Soil		1.4	50.2	24.7	70	0.7	21.1	14.9	652	3.28	310.7	0.9	8.2	0.5	37	0.4	1.3	5.2	83	0.25
1165824	Soil		4.4	61.1	9.7	50	0.3	36.1	12.4	244	2.53	10.7	1.9	5.3	1.3	34	0.4	0.4	0.4	60	0.39
1165823	Soil		6.3	88.7	14.9	69	0.2	35.1	16.4	415	3.80	32.4	2.2	6.4	3.1	56	0.3	1.7	0.6	89	0.41
1165821	Soil		6.6	93.0	37.0	36	1.6	11.9	4.4	109	1.38	51.4	3.6	43.3	1.4	18	0.6	3.9	1.5	37	0.19
1165810	Soil		1.5	29.2	57.4	70	0.6	19.0	13.8	898	2.57	86.1	0.6	2.4	0.1	48	0.4	1.9	1.2	61	0.40
1165808	Soil		1.4	18.3	8.9	39	1.6	11.2	10.4	1118	1.60	23.4	0.5	2.1	<0.1	33	0.4	0.5	0.5	46	0.29
1165820	Soil		1.2	9.3	5.7	17	0.4	3.5	1.8	69	0.87	11.0	0.3	3.1	0.4	7	<0.1	0.4	0.1	31	0.05
1165807	Soil		1.4	23.5	13.4	48	0.3	13.4	7.7	483	2.42	32.9	0.6	1.8	0.1	34	0.2	0.8	1.0	64	0.28
1165822	Soil		7.9	117.4	26.6	71	0.8	28.9	15.1	468	3.23	45.9	2.6	31.4	4.0	36	0.3	0.9	1.0	81	0.37
1165818	Soil		3.1	156.5	21.4	28	2.0	6.7	2.7	75	1.27	32.9	3.2	7.3	0.6	11	0.8	0.6	1.2	39	0.10
1165819	Soil		4.1	105.5	38.4	71	0.9	16.2	9.0	298	2.55	111.8	2.1	19.5	4.4	18	0.4	1.9	2.3	77	0.21
1165817	Soil		13.6	242.1	157.4	140	3.5	26.4	16.0	399	3.37	461.6	4.0	61.4	3.8	29	1.1	4.7	2.8	86	0.37
1165816	Soil		5.0	239.9	110.6	89	1.1	38.0	21.4	399	4.13	152.6	0.9	51.7	2.8	47	0.5	2.1	1.4	143	0.44
1165815	Soil		5.3	66.0	33.1	59	2.7	11.8	9.9	611	1.42	115.0	0.5	14.2	0.1	96	1.5	1.1	0.5	37	1.13
1165814	Soil		1.6	50.1	18.6	61	0.3	21.4	14.1	612	3.25	22.1	0.7	5.5	0.4	42	0.3	0.7	1.4	86	0.34
1165812	Soil		1.9	26.2	26.9	72	0.1	19.1	10.6	420	3.25	99.4	0.6	4.0	0.5	28	0.2	0.8	0.3	81	0.23
1165813	Soil		1.4	35.1	18.7	64	0.3	20.4	10.6	403	3.15	21.1	0.6	11.4	0.6	26	0.3	0.7	1.1	78	0.22
1165811	Soil		1.6	35.6	22.9	75	0.3	19.4	16.6	919	2.80	46.8	0.8	1.5	0.1	47	0.5	1.2	0.5	63	0.38
1202464	Soil		1.9	19.1	6.9	48	<0.1	20.8	11.1	344	2.91	5.8	0.6	<0.5	3.7	29	<0.1	0.4	0.1	78	0.38
1202463	Soil		0.9	19.9	22.5	54	<0.1	22.9	14.7	395	3.40	8.7	0.5	1.6	4.0	31	0.2	0.5	0.2	85	0.30
1202453	Soil		0.8	31.1	5.8	32	0.4	15.2	8.7	635	1.83	15.8	1.9	2.6	0.8	60	0.4	0.9	0.2	46	1.29

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Project: WLF
 Report Date: January 04, 2012

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	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	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1178436	Soil	0.049	13	29	0.60	197	0.094	1	1.78	0.030	0.05	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1165802	Soil	0.067	14	34	0.73	114	0.103	1	2.62	0.030	0.10	1.7	0.05	4.6	0.4	<0.05	6	0.5	2.3
1165809	Soil	0.057	6	24	0.37	81	0.083	1	1.76	0.013	0.05	0.1	0.05	2.4	0.4	<0.05	7	<0.5	<0.2
1165986	Soil	0.142	6	16	0.30	84	0.024	1	1.59	0.018	0.05	1.2	0.06	1.2	0.4	0.17	4	0.9	1.3
1165804	Soil	0.076	10	28	0.62	73	0.073	2	2.87	0.018	0.06	0.7	0.08	3.2	0.4	<0.05	8	0.8	0.4
1165801	Soil	0.142	12	27	0.59	134	0.067	2	2.33	0.030	0.09	4.2	0.15	4.2	0.4	<0.05	5	1.1	7.0
1165985	Soil	0.084	7	23	0.41	161	0.044	<1	1.96	0.019	0.05	0.1	0.04	1.8	0.2	0.10	7	0.7	0.4
1165803	Soil	0.161	8	25	0.58	89	0.048	2	3.42	0.025	0.11	0.2	0.18	2.8	0.5	0.11	7	1.3	0.9
1165806	Soil	0.099	10	30	0.66	105	0.076	2	2.76	0.018	0.10	0.7	0.07	3.0	0.5	<0.05	7	1.1	0.3
1165805	Soil	0.094	10	30	0.69	103	0.076	1	2.87	0.018	0.10	0.6	0.08	3.0	0.5	0.06	7	1.0	0.2
1165824	Soil	0.066	9	36	0.48	111	0.085	2	1.69	0.027	0.07	0.9	0.05	3.7	0.1	0.06	5	0.5	<0.2
1165823	Soil	0.032	9	80	1.20	158	0.135	2	2.81	0.030	0.18	0.9	0.03	6.4	0.6	<0.05	7	0.9	<0.2
1165821	Soil	0.049	14	24	0.28	75	0.062	2	1.08	0.019	0.05	0.7	0.05	2.5	0.2	0.06	4	<0.5	<0.2
1165810	Soil	0.147	9	24	0.51	154	0.035	2	1.94	0.022	0.07	0.2	0.08	1.3	0.3	0.14	6	<0.5	<0.2
1165808	Soil	0.170	5	19	0.21	148	0.022	1	1.22	0.015	0.04	<0.1	0.13	0.8	0.3	0.23	4	0.7	<0.2
1165820	Soil	0.023	2	9	0.06	20	0.039	<1	0.33	0.013	0.03	<0.1	0.04	1.0	<0.1	<0.05	2	<0.5	<0.2
1165807	Soil	0.114	6	23	0.33	114	0.044	2	1.75	0.013	0.05	0.2	0.11	1.1	0.4	0.09	6	0.8	<0.2
1165822	Soil	0.058	10	41	0.76	151	0.122	2	2.09	0.024	0.10	0.8	0.02	4.8	0.2	<0.05	6	<0.5	<0.2
1165818	Soil	0.031	7	13	0.09	39	0.042	<1	0.53	0.015	0.03	0.5	0.06	1.3	0.1	<0.05	3	0.8	<0.2
1165819	Soil	0.051	8	31	0.42	68	0.100	1	1.14	0.016	0.07	1.0	0.07	2.9	0.2	<0.05	5	0.6	<0.2
1165817	Soil	0.077	11	41	0.67	88	0.086	1	1.90	0.017	0.11	1.2	0.12	4.4	0.4	<0.05	7	0.5	0.3
1165816	Soil	0.104	10	73	0.90	150	0.229	2	1.81	0.033	0.29	3.0	0.03	4.8	0.5	<0.05	6	1.1	<0.2
1165815	Soil	0.109	4	16	0.31	123	0.041	3	0.84	0.021	0.07	0.8	0.16	1.8	0.2	0.23	3	2.0	<0.2
1165814	Soil	0.077	7	34	0.58	134	0.081	1	2.21	0.017	0.06	1.0	0.13	2.5	0.2	<0.05	7	0.9	<0.2
1165812	Soil	0.065	7	32	0.46	95	0.060	1	2.37	0.012	0.05	0.1	0.06	2.5	0.2	<0.05	8	0.6	<0.2
1165813	Soil	0.056	7	32	0.47	100	0.069	1	2.12	0.013	0.05	0.5	0.07	2.4	0.2	<0.05	7	1.0	<0.2
1165811	Soil	0.151	9	26	0.43	168	0.026	2	2.11	0.020	0.06	0.4	0.11	1.3	0.3	0.15	6	0.7	<0.2
1202464	Soil	0.033	11	36	0.70	178	0.117	<1	2.31	0.020	0.04	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
1202463	Soil	0.024	7	36	0.74	195	0.126	1	2.76	0.015	0.07	0.2	0.01	4.3	<0.1	<0.05	7	<0.5	<0.2
1202453	Soil	0.083	22	21	0.35	183	0.044	<1	1.49	0.026	0.04	0.1	0.08	3.5	<0.1	<0.05	4	0.7	<0.2

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Project: WLF
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Method Analyte	Unit	WGHT	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
MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1202452	Soil		1.3	16.9	8.0	30	0.3	12.0	6.1	283	1.94	9.3	0.5	1.6	1.7	17	0.2	0.4	0.2	55	0.22
1202451	Soil		1.3	22.2	9.6	48	0.1	19.6	11.4	447	2.86	25.0	0.8	1.6	2.6	30	0.2	0.7	0.2	77	0.47
1202074	Soil		1.9	21.4	9.0	35	0.2	12.2	8.0	384	2.04	17.0	0.7	3.3	1.7	24	0.3	0.6	0.2	60	0.38
1202454	Soil		0.7	19.3	8.0	47	<0.1	20.2	9.9	301	2.77	12.9	0.7	5.5	3.3	31	0.1	0.6	0.2	75	0.49
1202455	Soil		0.6	25.2	7.0	45	0.1	21.3	10.4	316	2.60	8.3	1.0	3.6	2.9	33	0.1	0.5	0.2	66	0.48
1202457	Soil		0.9	22.3	8.9	51	0.1	23.7	11.6	337	3.14	9.2	0.6	2.4	3.8	29	0.1	0.6	0.2	84	0.41
1202456	Soil		0.6	22.3	7.5	46	<0.1	21.3	10.7	378	2.77	7.6	1.0	1.5	3.9	31	<0.1	0.4	0.2	75	0.46
1202458	Soil		0.9	23.5	15.6	62	0.5	20.3	9.8	279	2.89	72.1	0.9	7.9	4.7	26	0.2	6.2	0.2	74	0.37
1202459	Soil		1.0	16.9	8.0	51	0.1	16.5	9.2	398	3.04	24.9	0.8	2.3	3.9	26	0.1	1.3	0.2	86	0.41
1202461	Soil		0.7	22.9	7.4	53	0.1	23.8	11.7	374	3.18	9.3	1.0	5.3	4.7	30	<0.1	0.5	0.1	81	0.44
1202473	Soil		0.9	24.9	7.6	56	<0.1	23.8	14.6	400	4.05	6.8	0.6	2.2	6.2	30	<0.1	0.4	0.1	108	0.33
1202472	Soil		1.0	23.0	8.9	40	0.1	20.4	9.9	200	3.19	7.9	0.7	3.5	3.6	24	<0.1	0.4	0.2	88	0.28
1202465	Soil		1.8	20.3	7.3	47	<0.1	22.7	11.0	299	3.05	6.2	0.6	6.5	3.6	28	<0.1	0.4	0.1	78	0.39
1202471	Soil		0.7	20.5	7.5	42	<0.1	24.9	11.7	226	3.25	7.1	0.5	3.0	3.8	20	0.1	0.4	0.1	81	0.25
1202470	Soil		0.4	26.6	7.1	42	<0.1	23.5	10.2	272	2.79	9.4	0.7	3.1	4.0	29	<0.1	0.6	0.3	73	0.39
1202466	Soil		1.0	22.6	6.6	42	<0.1	19.3	8.6	298	2.60	5.5	0.6	5.8	3.1	29	<0.1	0.4	0.1	71	0.43
1202469	Soil		0.9	24.1	8.3	63	<0.1	30.9	16.4	352	3.55	7.5	0.7	3.8	6.7	28	<0.1	0.6	0.1	89	0.32
1202467	Soil		0.9	29.6	9.0	51	0.1	28.5	13.3	370	3.36	13.0	0.9	4.3	4.7	28	<0.1	0.6	0.1	84	0.33
1202468	Soil		0.5	32.8	6.9	48	<0.1	25.7	11.1	360	3.11	6.9	1.1	2.6	5.9	34	<0.1	0.5	0.1	81	0.51
1202460	Soil		0.8	22.8	7.7	49	<0.1	23.7	12.2	317	3.10	11.7	0.9	3.0	4.9	27	<0.1	0.6	0.1	77	0.33
1202462	Soil		1.0	23.0	7.6	46	0.2	22.9	11.4	305	3.29	8.6	1.0	3.2	5.2	26	<0.1	0.5	0.1	84	0.32
1202481	Soil		1.3	19.7	9.5	73	0.1	25.7	14.1	681	3.85	9.5	0.4	2.8	3.5	27	0.3	0.5	0.2	101	0.38
1202482	Soil		0.9	18.0	7.0	49	<0.1	22.8	11.8	595	2.99	6.7	0.6	5.7	4.2	28	<0.1	0.4	0.1	78	0.38
1202476	Soil		1.6	19.0	9.3	48	0.1	21.4	11.1	414	3.26	10.8	0.7	1.6	3.7	26	0.1	0.4	0.2	87	0.29
1202479	Soil		1.2	17.7	8.6	67	0.1	22.6	11.4	546	3.29	9.0	0.5	1.8	3.0	26	0.2	0.8	0.2	86	0.37
1202477	Soil		1.8	19.8	8.8	51	<0.1	20.5	15.1	925	3.28	9.2	0.5	1.2	3.3	24	0.1	0.4	0.2	88	0.29
1202480	Soil		0.9	22.5	8.5	62	<0.1	18.3	15.1	534	4.12	17.1	0.7	1.6	6.3	25	<0.1	1.1	0.1	104	0.41
1202475	Soil		0.6	19.2	7.2	59	<0.1	15.2	13.0	657	3.47	5.6	0.8	0.7	9.6	68	0.1	0.4	0.1	88	0.36
1202478	Soil		0.9	33.8	8.3	56	<0.1	14.8	14.0	436	3.65	21.6	0.8	0.6	8.5	32	<0.1	0.9	<0.1	86	0.31
1202474	Soil		0.7	19.6	7.6	60	<0.1	16.4	13.0	737	3.46	5.9	0.8	1.4	9.0	70	0.1	0.4	0.1	93	0.36

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	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	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1202452	Soil	0.021	6	20	0.32	96	0.079	2	1.25	0.021	0.04	0.1	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1202451	Soil	0.046	9	31	0.63	150	0.089	2	2.01	0.022	0.05	0.4	0.03	3.5	0.1	<0.05	6	<0.5	<0.2
1202074	Soil	0.025	6	18	0.28	111	0.075	2	1.07	0.025	0.04	0.1	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
1202454	Soil	0.034	9	31	0.66	152	0.113	2	1.97	0.027	0.04	0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1202455	Soil	0.042	12	32	0.63	179	0.097	2	1.98	0.026	0.04	0.1	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
1202457	Soil	0.039	10	37	0.70	183	0.119	2	2.43	0.020	0.04	0.2	0.02	3.8	0.1	<0.05	7	<0.5	<0.2
1202456	Soil	0.041	12	35	0.67	179	0.104	2	2.13	0.023	0.04	0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
1202458	Soil	0.043	14	31	0.63	203	0.098	2	2.32	0.019	0.05	0.1	0.05	4.0	0.2	<0.05	7	<0.5	<0.2
1202459	Soil	0.032	9	30	0.65	151	0.109	2	2.06	0.019	0.05	0.1	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
1202461	Soil	0.048	13	35	0.73	214	0.125	2	2.27	0.024	0.05	0.1	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
1202473	Soil	0.031	8	40	0.85	196	0.186	2	3.29	0.017	0.06	0.1	0.01	4.6	0.1	<0.05	9	<0.5	<0.2
1202472	Soil	0.021	10	39	0.51	155	0.133	2	2.58	0.018	0.04	<0.1	0.02	4.5	0.1	<0.05	8	<0.5	<0.2
1202465	Soil	0.033	10	37	0.66	182	0.104	2	2.26	0.019	0.03	<0.1	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
1202471	Soil	0.027	8	35	0.60	142	0.133	2	3.03	0.016	0.04	0.1	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
1202470	Soil	0.039	14	36	0.64	157	0.125	1	1.93	0.022	0.04	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
1202466	Soil	0.036	11	32	0.54	148	0.114	2	1.74	0.030	0.04	0.1	0.03	4.2	<0.1	<0.05	6	<0.5	<0.2
1202469	Soil	0.020	10	47	0.71	270	0.134	2	3.30	0.020	0.04	<0.1	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
1202467	Soil	0.021	13	46	0.66	189	0.123	2	2.68	0.022	0.04	0.1	0.03	5.9	0.1	<0.05	7	<0.5	<0.2
1202468	Soil	0.044	18	44	0.68	240	0.138	1	2.20	0.028	0.05	0.1	0.02	6.8	<0.1	<0.05	6	<0.5	<0.2
1202460	Soil	0.030	12	38	0.66	156	0.125	2	2.51	0.024	0.05	0.1	0.02	4.4	0.1	<0.05	6	<0.5	<0.2
1202462	Soil	0.032	13	37	0.62	149	0.122	2	2.41	0.024	0.05	0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
1202481	Soil	0.044	7	36	0.71	207	0.153	2	2.91	0.019	0.09	<0.1	0.02	3.0	0.1	<0.05	9	<0.5	<0.2
1202482	Soil	0.030	9	35	0.58	232	0.121	1	2.12	0.026	0.08	0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1202476	Soil	0.020	13	34	0.58	162	0.119	1	2.35	0.019	0.05	<0.1	0.02	3.4	0.1	<0.05	8	<0.5	<0.2
1202479	Soil	0.023	8	40	0.60	187	0.115	1	2.24	0.018	0.06	<0.1	<0.01	3.2	0.1	<0.05	7	<0.5	<0.2
1202477	Soil	0.029	7	33	0.57	169	0.124	1	2.32	0.020	0.06	<0.1	0.03	3.1	0.1	<0.05	8	<0.5	<0.2
1202480	Soil	0.039	8	33	1.02	184	0.167	1	2.74	0.017	0.05	0.1	0.02	4.8	<0.1	<0.05	9	<0.5	<0.2
1202475	Soil	0.051	10	28	0.85	204	0.167	<1	2.63	0.021	0.15	<0.1	<0.01	3.6	0.1	<0.05	8	<0.5	<0.2
1202478	Soil	0.036	14	25	0.82	224	0.094	2	2.64	0.016	0.12	0.1	0.01	4.7	0.1	<0.05	7	<0.5	<0.2
1202474	Soil	0.051	10	30	0.85	204	0.180	1	2.81	0.023	0.15	0.1	0.01	3.7	0.1	<0.05	8	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000374.2

Method Analyte	Unit	MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
			kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
			0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1163090	Soil			0.7	23.5	6.7	53	<0.1	24.2	12.4	396	3.52	9.1	0.7	2.0	9.7	28	<0.1	0.4	0.1	94	0.39
1163092	Soil			0.7	32.5	13.3	68	<0.1	19.9	16.0	625	4.43	9.8	0.9	3.3	15.6	30	<0.1	0.6	1.3	112	0.41
1163082	Soil			0.8	17.2	7.7	47	<0.1	28.0	12.0	620	2.99	4.4	0.6	1.1	3.0	34	<0.1	0.6	0.1	79	0.50
1163084	Soil			0.5	21.6	36.8	69	<0.1	15.9	11.8	506	3.35	10.3	1.0	2.3	9.8	33	0.1	1.0	0.1	83	0.54
1163091	Soil			0.7	33.4	13.5	69	<0.1	17.0	16.0	671	4.50	9.6	1.0	3.0	17.9	29	<0.1	0.6	2.0	115	0.44
1163058	Soil			0.6	17.2	6.8	47	<0.1	14.2	9.9	373	3.06	4.8	0.7	1.3	5.0	313	<0.1	0.6	0.1	82	0.47
1163064	Soil			0.6	24.1	7.0	46	<0.1	24.3	10.9	326	2.86	6.8	1.0	3.2	3.6	31	<0.1	0.4	0.2	71	0.37
1163094	Soil			0.9	22.0	6.9	59	<0.1	21.3	13.4	442	3.58	8.0	0.5	1.8	5.5	18	<0.1	0.3	0.2	86	0.28
1163063	Soil			0.3	23.6	6.5	67	<0.1	6.2	14.1	726	4.12	3.3	1.2	1.3	13.3	30	<0.1	1.3	0.1	105	0.45
1163060	Soil			1.2	19.9	8.8	61	<0.1	21.4	15.7	462	4.13	8.7	0.7	5.0	5.6	18	<0.1	0.6	0.2	102	0.22
1163086	Soil			0.3	23.5	8.3	87	<0.1	14.5	18.1	1045	5.40	4.5	0.9	1.6	22.7	26	<0.1	0.4	0.1	137	0.55
1163089	Soil			0.8	21.8	9.0	76	0.1	23.0	15.5	1153	4.22	5.9	0.6	0.9	9.1	25	0.1	0.5	0.5	94	0.36
1163059	Soil			0.8	19.7	9.0	73	<0.1	23.2	17.6	574	4.41	6.7	0.6	1.2	6.7	37	0.1	0.5	0.1	113	0.28
1163093	Soil			0.8	29.0	8.5	34	0.3	13.9	8.7	597	2.25	4.8	1.5	1.8	5.6	31	0.1	0.3	0.2	63	0.41
1163087	Soil			0.6	31.7	7.7	46	<0.1	24.5	10.4	409	2.92	6.6	0.8	1.9	5.8	36	<0.1	0.5	0.1	70	0.48
1163085	Soil			0.5	33.4	7.8	54	<0.1	21.1	11.3	463	3.53	6.0	2.8	9.7	13.2	41	<0.1	0.4	0.1	88	0.48
1163081	Soil			0.3	14.8	6.2	71	<0.1	10.7	15.4	745	4.11	3.9	0.6	<0.5	21.1	21	<0.1	0.3	<0.1	97	0.43
1163083	Soil			0.6	18.2	32.1	61	0.2	18.3	11.1	514	2.98	8.5	1.7	2.3	10.7	28	<0.1	1.8	0.1	73	0.45
1163066	Soil			0.4	15.7	6.1	74	<0.1	13.1	16.7	809	4.46	4.1	0.9	<0.5	13.3	23	<0.1	0.3	<0.1	115	0.50
1163062	Soil			0.4	25.1	7.0	66	<0.1	7.6	14.9	757	4.30	3.6	1.2	<0.5	12.2	31	<0.1	1.3	0.1	111	0.47
1163061	Soil			0.6	24.9	7.5	63	<0.1	19.3	14.9	628	4.07	6.5	1.7	2.0	14.1	30	<0.1	0.5	0.1	109	0.44
1163088	Soil			1.0	23.8	7.7	57	<0.1	22.9	14.0	475	3.71	7.2	1.1	1.1	9.6	28	<0.1	0.5	0.2	91	0.39
1163067	Soil			0.3	30.3	5.9	58	<0.1	8.3	13.1	720	3.78	2.9	0.8	1.0	12.1	36	<0.1	0.5	<0.1	92	0.55
1163070	Soil			0.2	37.1	24.0	62	<0.1	29.5	18.4	852	4.40	6.3	1.4	1.4	12.5	132	<0.1	1.0	0.1	113	0.99
1163069	Soil			0.8	16.8	12.5	67	<0.1	18.0	14.1	1118	3.55	8.4	1.1	0.6	6.8	56	0.1	0.4	0.1	80	0.51
1163065	Soil			1.4	27.2	10.3	59	0.2	27.6	16.8	571	4.11	10.7	0.7	2.1	5.0	23	<0.1	0.6	0.3	99	0.25
1163076	Soil			0.9	18.5	8.9	62	<0.1	20.0	13.0	658	3.37	6.3	0.9	0.9	12.4	28	<0.1	0.6	0.1	86	0.34
1163073	Soil			0.4	14.9	11.2	46	<0.1	13.1	11.0	475	2.84	4.8	0.6	<0.5	6.1	64	<0.1	0.3	0.1	70	0.64
1163072	Soil			1.0	17.2	13.1	48	0.2	21.1	10.4	474	3.12	6.8	0.6	1.8	3.1	28	<0.1	0.4	0.2	77	0.32
1163071	Soil			0.9	14.3	9.1	53	<0.1	18.4	10.4	377	3.10	7.1	0.4	4.1	3.4	35	<0.1	0.4	0.1	75	0.33

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000374.2

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	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	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.1	0.05	1	0.5	0.2	
1163090	Soil	0.033	11	42	0.83	264	0.186	1	2.66	0.021	0.12	0.1	<0.01	4.4	0.1	<0.05	7	<0.5	<0.2
1163092	Soil	0.049	18	36	1.07	292	0.241	1	2.74	0.020	0.32	0.2	0.01	5.8	0.3	<0.05	9	<0.5	<0.2
1163082	Soil	0.029	9	56	0.99	264	0.103	1	2.25	0.029	0.06	0.1	0.01	4.5	0.1	<0.05	6	<0.5	<0.2
1163084	Soil	0.068	18	29	0.85	276	0.148	1	1.96	0.031	0.14	0.1	0.02	5.6	0.2	<0.05	6	<0.5	<0.2
1163091	Soil	0.056	19	32	1.17	289	0.264	1	2.72	0.022	0.39	0.2	0.01	6.5	0.4	<0.05	9	<0.5	<0.2
1163058	Soil	0.048	11	24	0.73	499	0.166	1	2.68	0.026	0.20	<0.1	0.03	4.2	0.2	<0.05	8	<0.5	<0.2
1163064	Soil	0.039	14	36	0.60	198	0.087	2	2.00	0.019	0.03	<0.1	0.04	4.5	<0.1	<0.05	5	<0.5	<0.2
1163094	Soil	0.046	7	30	0.86	189	0.163	2	2.33	0.015	0.24	0.2	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
1163063	Soil	0.068	34	10	1.01	605	0.087	<1	2.19	0.019	0.28	<0.1	0.01	16.0	0.3	<0.05	8	<0.5	<0.2
1163060	Soil	0.041	8	35	0.91	239	0.173	1	2.84	0.017	0.19	0.1	0.02	4.5	0.2	<0.05	8	<0.5	<0.2
1163086	Soil	0.110	18	23	1.51	449	0.300	<1	3.16	0.019	0.46	0.2	0.03	9.1	0.5	<0.05	11	<0.5	<0.2
1163089	Soil	0.044	10	35	0.97	314	0.082	<1	2.36	0.017	0.10	<0.1	0.03	6.4	0.1	<0.05	8	<0.5	<0.2
1163059	Soil	0.037	7	31	1.05	346	0.239	1	3.28	0.019	0.14	<0.1	0.02	3.8	0.2	<0.05	9	<0.5	<0.2
1163093	Soil	0.033	36	24	0.46	307	0.100	1	1.26	0.019	0.07	0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
1163087	Soil	0.032	19	35	0.68	210	0.092	<1	1.68	0.028	0.05	0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
1163085	Soil	0.029	46	40	0.80	369	0.156	1	2.34	0.023	0.09	0.1	0.04	9.5	0.1	<0.05	7	<0.5	<0.2
1163081	Soil	0.070	12	17	1.30	247	0.164	<1	2.62	0.019	0.16	<0.1	<0.01	5.7	0.2	<0.05	9	<0.5	<0.2
1163083	Soil	0.045	25	31	0.71	311	0.086	1	2.06	0.021	0.11	<0.1	0.04	5.9	0.1	<0.05	6	<0.5	<0.2
1163066	Soil	0.092	13	21	1.28	290	0.310	1	2.76	0.025	0.41	0.1	0.02	4.3	0.3	<0.05	9	<0.5	<0.2
1163062	Soil	0.070	35	12	1.04	606	0.095	<1	2.30	0.019	0.28	<0.1	0.02	16.0	0.3	<0.05	8	<0.5	<0.2
1163061	Soil	0.058	22	32	1.09	434	0.204	<1	2.44	0.022	0.23	<0.1	0.03	7.4	0.3	<0.05	7	<0.5	<0.2
1163088	Soil	0.033	14	37	0.81	238	0.141	1	2.32	0.019	0.16	0.1	0.02	5.3	0.1	<0.05	7	<0.5	<0.2
1163067	Soil	0.071	12	14	1.31	305	0.143	<1	2.62	0.021	0.25	<0.1	<0.01	9.4	0.2	<0.05	8	<0.5	<0.2
1163070	Soil	0.085	17	56	1.76	382	0.247	<1	3.34	0.055	0.07	0.4	0.02	7.2	0.1	<0.05	10	<0.5	<0.2
1163069	Soil	0.046	9	26	0.86	307	0.096	1	2.70	0.023	0.09	<0.1	0.02	5.5	<0.1	<0.05	7	<0.5	<0.2
1163065	Soil	0.039	9	43	0.78	291	0.122	1	2.93	0.020	0.09	<0.1	0.03	4.6	0.2	<0.05	8	<0.5	<0.2
1163076	Soil	0.035	16	33	0.72	184	0.137	1	2.34	0.017	0.06	0.1	0.03	5.5	0.1	<0.05	7	<0.5	<0.2
1163073	Soil	0.030	10	19	0.80	287	0.163	<1	2.88	0.037	0.09	<0.1	0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
1163072	Soil	0.029	9	34	0.55	305	0.078	1	2.02	0.019	0.05	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1163071	Soil	0.023	7	33	0.66	170	0.079	<1	2.20	0.017	0.08	<0.1	0.01	3.0	<0.1	<0.05	6	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte	WGHT 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 %	
1163068	Soil	0.01	0.5	15.1	9.7	64	<0.1	13.3	11.3	713	2.95	6.6	0.8	<0.5	6.0	33	<0.1	0.3	<0.1	64	0.40
1163075	Soil		0.5	16.9	9.2	52	<0.1	18.4	11.8	572	2.98	6.7	0.7	0.6	6.3	36	<0.1	0.4	0.1	72	0.42
1163077	Soil		0.6	12.6	12.8	73	<0.1	9.0	14.7	808	4.41	4.1	1.1	<0.5	24.1	15	<0.1	0.3	<0.1	109	0.28
1163078	Soil		0.7	13.8	12.4	83	<0.1	11.1	16.1	869	4.72	5.1	1.1	<0.5	21.0	17	0.1	0.3	<0.1	118	0.29
1163080	Soil		0.4	15.8	9.7	60	<0.1	13.5	13.5	943	4.12	5.4	2.0	1.1	18.7	26	<0.1	0.8	0.1	85	0.49
1163079	Soil		1.7	33.0	9.7	52	0.2	27.4	13.0	792	3.15	7.5	2.9	3.0	6.0	36	0.1	0.6	0.1	67	0.65
1165860	Soil		2.2	100.6	47.8	64	0.7	25.0	26.6	498	3.79	106.5	0.9	15.0	1.6	68	0.2	1.6	1.1	106	0.57
1165859	Soil		5.0	72.4	274.5	94	2.1	23.7	31.1	750	4.54	571.9	1.7	45.0	1.8	79	0.6	4.7	7.0	77	0.41
1165861	Soil		2.2	78.8	16.4	38	0.3	19.9	10.6	246	3.49	23.6	0.9	0.9	0.6	56	0.2	0.9	0.5	104	0.19
1165864	Soil		2.5	163.6	65.2	81	0.7	31.1	13.8	330	3.28	113.3	0.8	8.1	2.5	25	0.5	1.0	0.8	73	0.29
1165862	Soil		13.4	60.1	13.9	31	0.3	17.4	6.0	147	2.46	27.0	1.0	8.0	2.4	16	0.1	0.6	0.4	88	0.12
1165866	Soil		5.5	120.5	44.0	83	0.5	37.9	15.2	402	3.92	142.8	1.8	13.9	3.9	56	0.6	1.6	0.7	87	0.24
1165863	Soil		12.1	322.7	26.8	77	2.3	49.1	22.2	397	4.01	100.5	1.8	13.8	3.0	38	0.4	1.1	2.3	73	0.21
1165865	Soil		6.0	84.6	35.4	63	0.5	25.1	11.9	259	2.88	66.8	1.8	8.5	6.0	14	0.3	1.1	5.5	69	0.17
1165867	Soil		5.0	103.3	38.6	87	0.4	35.4	13.5	387	3.50	121.9	1.5	11.9	3.3	62	0.5	1.5	0.9	82	0.21
1165868	Soil		2.2	26.8	11.7	47	0.2	28.6	14.7	228	4.18	13.3	0.6	5.6	2.2	25	0.3	0.7	0.3	98	0.25
1165854	Soil		2.3	44.9	40.3	92	0.4	23.8	16.2	520	3.90	1591	0.8	27.8	1.1	26	0.9	3.0	3.9	75	0.17
1165852	Soil		1.6	256.3	140.8	138	8.0	27.2	20.1	879	4.07	563.3	2.4	21.1	3.1	46	1.1	9.9	36.9	64	0.20
1165856	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.
1165855	Soil		1.6	53.8	35.5	64	0.9	20.0	12.4	406	3.42	382.0	0.7	21.3	1.1	20	0.4	2.1	6.3	77	0.14
1165857	Soil		1.1	35.2	19.3	47	0.2	24.2	16.1	362	3.10	41.2	0.6	3.1	1.9	58	0.2	0.9	3.9	70	0.27
1165853	Soil		2.1	73.7	129.6	158	1.3	24.2	24.7	773	4.92	1223	1.1	40.8	1.2	90	1.8	10.1	7.2	93	0.30
1165858	Soil		1.6	23.4	14.9	47	0.1	18.0	11.2	467	2.93	94.5	0.7	5.0	0.6	28	0.2	0.7	0.6	76	0.21
1165851	Soil		1.7	41.3	39.5	72	0.9	20.5	17.6	911	3.16	292.1	1.0	6.8	0.5	56	0.6	1.8	3.8	68	0.28
1202267	Soil		2.5	16.7	9.5	72	<0.1	16.3	14.7	784	4.10	8.0	1.3	2.4	9.9	27	<0.1	0.3	0.1	104	0.48
1202264	Soil		0.9	19.4	9.0	48	<0.1	24.0	11.9	365	3.20	13.9	0.6	1.7	7.0	24	<0.1	0.5	2.3	87	0.27
1204200	Soil		1.5	16.1	9.6	66	<0.1	19.0	12.8	1222	3.14	6.5	0.5	1.2	6.0	29	0.2	0.4	0.2	78	0.39
1202265	Soil		1.7	18.3	10.7	62	<0.1	14.6	14.3	705	4.02	7.2	0.9	1.2	11.8	24	<0.1	0.4	0.3	101	0.33
1202268	Soil		1.3	20.9	11.6	56	<0.1	20.8	13.0	474	3.57	10.6	0.9	3.0	17.1	22	<0.1	0.4	0.1	85	0.26
1202262	Soil		2.3	9.9	6.2	40	<0.1	6.2	8.9	442	2.86	3.0	0.9	1.0	10.4	13	<0.1	0.4	<0.1	60	0.19

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Analyte	P	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	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1163068	Soil	0.035	11	21	0.66	317	0.028	1	2.26	0.024	0.08	<0.1	0.01	5.0	<0.1	<0.05	6	<0.5	<0.2
1163075	Soil	0.025	11	30	0.74	209	0.096	<1	2.28	0.021	0.07	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
1163077	Soil	0.056	15	17	1.29	193	0.232	<1	3.09	0.020	0.39	<0.1	0.02	5.9	0.5	<0.05	10	<0.5	<0.2
1163078	Soil	0.050	13	19	1.34	212	0.248	1	3.29	0.019	0.39	<0.1	0.02	6.2	0.5	<0.05	11	<0.5	<0.2
1163080	Soil	0.063	23	20	1.10	235	0.053	<1	2.47	0.018	0.12	<0.1	0.02	10.8	0.2	<0.05	7	<0.5	<0.2
1163079	Soil	0.046	17	34	0.62	342	0.072	1	2.03	0.034	0.06	<0.1	0.04	6.4	<0.1	<0.05	5	<0.5	<0.2
1165860	Soil	0.142	10	39	0.67	96	0.109	2	2.07	0.032	0.13	0.9	0.10	3.4	0.4	0.07	6	0.8	<0.2
1165859	Soil	0.134	13	30	0.60	70	0.079	2	2.09	0.045	0.13	5.9	0.15	3.6	0.7	0.19	5	0.8	<0.2
1165861	Soil	0.072	7	41	0.44	80	0.121	2	2.15	0.017	0.07	0.3	0.10	2.1	0.3	0.10	8	0.7	<0.2
1165864	Soil	0.042	8	49	0.63	80	0.117	2	1.59	0.021	0.08	4.2	0.05	3.3	0.2	<0.05	6	<0.5	<0.2
1165862	Soil	0.036	6	86	0.70	99	0.172	2	1.81	0.015	0.23	0.1	0.09	3.4	0.5	0.06	8	<0.5	<0.2
1165866	Soil	0.037	10	56	0.91	226	0.138	2	2.28	0.021	0.13	0.4	0.03	5.0	0.4	<0.05	6	0.6	<0.2
1165863	Soil	0.049	8	70	0.76	86	0.123	3	2.08	0.024	0.17	1.4	0.05	4.4	0.5	0.10	5	1.0	<0.2
1165865	Soil	0.028	7	30	0.50	70	0.097	3	1.94	0.014	0.04	4.9	0.05	2.8	<0.1	<0.05	5	<0.5	<0.2
1165867	Soil	0.036	8	51	0.90	277	0.133	2	1.99	0.020	0.16	0.3	0.02	4.9	0.4	<0.05	6	0.6	<0.2
1165868	Soil	0.035	7	46	0.56	158	0.118	2	3.51	0.013	0.05	0.2	0.05	5.2	0.2	0.07	9	0.9	<0.2
1165854	Soil	0.073	10	30	0.62	95	0.076	2	2.79	0.015	0.07	0.2	0.09	3.1	0.3	0.11	7	1.2	1.5
1165852	Soil	0.081	24	34	0.80	91	0.022	2	2.48	0.012	0.04	2.0	0.04	3.4	0.4	0.10	7	1.3	2.1
1165856	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.
1165855	Soil	0.057	10	29	0.65	77	0.077	1	2.87	0.014	0.07	0.2	0.09	2.9	0.5	0.05	8	0.7	<0.2
1165857	Soil	0.047	8	31	0.57	120	0.098	1	2.22	0.020	0.08	0.4	0.05	3.3	0.3	<0.05	6	0.9	<0.2
1165853	Soil	0.092	10	32	0.66	91	0.063	1	2.52	0.029	0.10	2.2	0.07	3.9	0.5	0.11	7	0.6	0.7
1165858	Soil	0.064	7	28	0.48	99	0.066	3	1.78	0.014	0.06	0.1	0.08	1.9	0.2	0.08	6	<0.5	<0.2
1165851	Soil	0.119	9	25	0.55	96	0.041	2	2.74	0.018	0.07	0.9	0.11	1.6	0.4	0.13	7	0.8	0.5
1202267	Soil	0.052	11	28	1.17	163	0.108	1	2.47	0.018	0.05	0.2	0.02	8.3	<0.1	<0.05	8	<0.5	<0.2
1202264	Soil	0.020	11	41	0.69	186	0.099	1	2.36	0.016	0.05	0.2	0.02	5.0	<0.1	<0.05	6	<0.5	<0.2
1204200	Soil	0.044	8	29	0.57	257	0.089	1	2.28	0.017	0.09	0.3	0.01	3.7	<0.1	<0.05	7	<0.5	<0.2
1202265	Soil	0.025	17	26	0.98	181	0.062	<1	2.54	0.026	0.06	0.2	0.01	8.3	<0.1	<0.05	8	<0.5	<0.2
1202268	Soil	0.019	17	35	0.80	150	0.070	1	2.36	0.015	0.07	0.1	0.02	5.6	<0.1	<0.05	7	<0.5	<0.2
1202262	Soil	0.022	24	13	0.68	77	0.007	<1	1.60	0.009	0.05	0.2	<0.01	4.7	<0.1	<0.05	5	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1202263	Soil		2.0	14.3	12.5	59	0.1	14.2	10.3	706	2.88	5.9	0.7	1.1	8.0	17	0.2	0.5	0.3	64	0.20
1202266	Soil		1.2	13.3	12.6	40	<0.1	4.7	8.2	351	2.75	4.1	0.7	1.4	17.4	20	<0.1	0.3	<0.1	54	0.32
1202256	Soil		1.1	22.5	8.9	52	<0.1	28.8	16.1	340	4.11	10.7	0.5	2.4	4.2	23	<0.1	0.3	0.1	99	0.29
1202273	Soil		1.4	17.6	7.7	46	<0.1	21.0	9.4	330	2.80	7.3	0.5	2.1	4.8	28	<0.1	0.4	0.1	74	0.37
1202252	Soil		0.5	24.1	6.5	54	<0.1	17.3	12.4	443	3.51	9.8	0.7	1.8	8.8	28	<0.1	0.4	0.1	84	0.31
1202251	Soil		0.6	18.0	8.2	65	<0.1	15.8	14.4	918	3.41	6.5	0.5	0.8	7.4	40	0.1	0.5	0.1	86	0.36
1202254	Soil		0.6	16.8	10.3	63	<0.1	12.2	14.2	592	3.65	15.6	0.6	1.1	11.0	16	<0.1	1.0	0.2	86	0.21
1202253	Soil		1.0	18.6	7.9	60	<0.1	15.3	14.6	637	3.22	7.6	0.5	0.9	4.5	31	0.1	0.4	0.1	83	0.29
1202255	Soil		0.5	20.6	7.6	53	<0.1	13.3	12.6	437	3.22	6.0	0.6	1.4	7.3	30	<0.1	0.4	0.1	81	0.28
1202280	Soil		0.8	11.7	6.9	76	<0.1	16.4	10.1	908	2.76	5.2	0.4	1.1	3.4	28	0.1	0.4	0.1	71	0.39
1202259	Soil		1.3	18.4	10.8	64	0.1	17.0	12.6	634	3.05	5.7	0.7	3.2	6.4	18	0.2	0.4	0.1	73	0.20
1202260	Soil		1.2	16.3	9.9	55	<0.1	16.9	11.2	602	2.91	6.4	0.5	1.3	5.8	17	0.1	0.4	0.2	72	0.17
1202257	Soil		0.8	22.4	8.4	50	<0.1	26.1	14.8	314	3.50	7.2	0.5	2.2	4.2	23	0.1	0.3	0.2	86	0.27
1202258	Soil		0.6	25.1	6.9	44	<0.1	25.5	10.3	344	2.95	7.9	0.8	2.4	5.0	29	<0.1	0.4	0.1	73	0.31
1202272	Soil		1.0	17.5	8.8	77	0.1	19.3	13.7	1016	3.25	6.0	0.6	1.0	8.4	29	0.2	0.4	0.1	79	0.45
1202270	Soil		0.7	20.5	9.0	63	<0.1	21.1	12.7	385	3.23	6.4	0.6	2.2	6.4	24	<0.1	0.4	0.1	78	0.31
1202261	Soil		1.9	16.0	9.3	61	0.1	21.5	11.2	568	3.09	7.6	0.4	<0.5	3.3	21	0.1	0.5	0.2	77	0.26
1202269	Soil		1.5	13.8	9.8	46	<0.1	15.4	9.4	394	2.77	6.0	1.1	2.8	8.5	21	<0.1	0.5	0.1	59	0.28
1202275	Soil		1.3	15.1	7.6	67	0.1	17.2	11.2	831	2.83	4.9	0.4	1.4	2.7	24	<0.1	0.3	0.1	72	0.33
1202279	Soil		2.0	9.7	12.5	51	<0.1	8.4	7.9	322	2.80	12.0	1.4	<0.5	13.5	16	<0.1	0.4	<0.1	42	0.30
1202274	Soil		1.0	21.2	8.6	60	<0.1	22.9	11.2	385	3.28	9.2	0.6	1.9	9.4	27	<0.1	0.3	0.1	85	0.33
1202277	Soil		2.6	10.8	9.8	62	<0.1	9.0	15.6	805	4.38	4.1	1.0	0.5	16.9	19	<0.1	0.2	<0.1	75	0.42
1202416	Soil		1.1	19.0	7.5	70	<0.1	46.3	19.8	526	3.90	7.7	0.4	2.3	3.7	38	<0.1	0.3	0.1	105	0.49
1202271	Soil		1.2	17.5	12.5	76	<0.1	10.7	15.8	844	5.17	4.9	0.9	<0.5	20.0	18	<0.1	0.2	<0.1	109	0.25
1202278	Soil		4.4	19.5	7.6	91	<0.1	11.6	19.9	998	6.06	5.1	1.5	<0.5	22.0	25	<0.1	0.7	<0.1	122	0.47
1202276	Soil		7.5	17.6	15.0	38	<0.1	10.0	13.4	1433	3.56	21.1	5.2	1.8	12.7	25	<0.1	0.6	<0.1	35	1.23
1202413	Soil		0.8	59.2	8.6	45	0.2	30.8	19.9	645	3.79	66.0	0.5	3.5	3.0	34	<0.1	4.1	0.4	121	0.52
1202420	Soil		0.7	33.9	9.7	82	0.2	60.3	24.3	591	4.00	12.1	0.5	1.5	7.0	34	0.1	0.6	0.1	119	0.60
1202414	Soil		0.7	46.1	7.8	51	0.1	31.1	14.0	395	2.91	8.7	0.8	5.2	3.4	46	0.1	0.5	0.1	80	0.69
1202415	Soil		1.0	28.3	8.6	52	<0.1	29.3	14.8	384	3.30	10.1	0.5	0.9	3.4	33	0.1	0.6	0.1	90	0.43

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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
		P	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		0.001	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	
1202263	Soil	0.030	14	25	0.47	158	0.051	<1	1.75	0.017	0.06	0.2	<0.01	2.6	<0.1	<0.05	6	0.8	<0.2
1202266	Soil	0.018	27	9	0.74	81	0.004	<1	1.99	0.016	0.05	0.2	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
1202256	Soil	0.030	5	36	0.80	199	0.160	<1	3.38	0.014	0.05	0.2	0.03	3.7	<0.1	<0.05	9	<0.5	<0.2
1202273	Soil	0.018	8	35	0.58	168	0.089	<1	1.93	0.015	0.05	0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1202252	Soil	0.023	21	32	0.87	190	0.066	1	2.31	0.019	0.06	<0.1	0.01	7.8	<0.1	<0.05	7	<0.5	<0.2
1202251	Soil	0.033	7	23	0.89	235	0.154	<1	2.73	0.018	0.09	0.1	0.01	4.1	<0.1	<0.05	8	<0.5	<0.2
1202254	Soil	0.027	12	24	1.01	160	0.034	<1	2.52	0.011	0.07	<0.1	0.01	6.9	<0.1	<0.05	7	<0.5	<0.2
1202253	Soil	0.049	6	24	0.72	216	0.145	<1	2.45	0.017	0.06	0.1	0.01	2.9	<0.1	<0.05	8	<0.5	<0.2
1202255	Soil	0.014	9	27	0.94	173	0.106	<1	2.34	0.015	0.03	0.1	0.02	5.1	<0.1	<0.05	7	<0.5	<0.2
1202280	Soil	0.074	6	22	0.55	214	0.106	2	1.96	0.019	0.07	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
1202259	Soil	0.027	8	25	0.66	144	0.071	2	2.15	0.012	0.05	0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
1202260	Soil	0.019	8	28	0.54	133	0.075	2	1.91	0.015	0.06	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1202257	Soil	0.024	6	35	0.73	210	0.135	1	3.28	0.015	0.04	0.1	0.02	4.0	<0.1	<0.05	8	<0.5	<0.2
1202258	Soil	0.018	15	43	0.64	163	0.107	1	2.07	0.021	0.04	0.1	0.02	7.2	<0.1	<0.05	6	<0.5	<0.2
1202272	Soil	0.039	14	33	0.66	296	0.125	2	2.24	0.018	0.17	0.2	0.02	4.6	0.1	<0.05	7	<0.5	<0.2
1202270	Soil	0.011	13	35	0.83	162	0.124	1	2.14	0.019	0.05	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
1202261	Soil	0.030	7	38	0.55	158	0.080	1	2.30	0.013	0.07	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1202269	Soil	0.023	18	26	0.56	155	0.058	1	1.58	0.016	0.06	0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
1202275	Soil	0.025	7	30	0.48	236	0.076	<1	1.77	0.015	0.04	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1202279	Soil	0.037	24	15	0.33	194	0.009	2	1.52	0.007	0.10	0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
1202274	Soil	0.020	14	40	0.64	165	0.120	<1	2.41	0.017	0.06	0.2	0.02	4.7	<0.1	<0.05	7	<0.5	<0.2
1202277	Soil	0.052	23	15	1.11	180	0.020	2	2.44	0.011	0.08	<0.1	0.01	9.4	<0.1	<0.05	9	<0.5	<0.2
1202416	Soil	0.036	10	137	1.43	199	0.203	1	3.14	0.026	0.10	0.2	0.02	6.0	0.1	<0.05	10	<0.5	<0.2
1202271	Soil	0.032	27	18	1.35	137	0.017	<1	2.86	0.009	0.06	0.2	<0.01	9.0	<0.1	<0.05	10	<0.5	<0.2
1202278	Soil	0.075	21	17	1.56	213	0.023	1	2.91	0.022	0.13	<0.1	0.01	14.4	<0.1	<0.05	14	<0.5	<0.2
1202276	Soil	0.022	22	10	0.24	232	0.002	2	1.45	0.005	0.13	0.2	0.11	9.9	0.1	<0.05	3	<0.5	<0.2
1202413	Soil	0.020	11	63	1.22	162	0.136	2	2.46	0.042	0.14	0.1	0.02	8.3	0.8	<0.05	8	<0.5	<0.2
1202420	Soil	0.109	17	235	1.88	152	0.174	2	3.26	0.020	0.07	0.2	0.01	5.9	0.1	<0.05	11	<0.5	<0.2
1202414	Soil	0.067	16	66	0.86	151	0.117	1	2.02	0.045	0.08	0.3	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
1202415	Soil	0.041	11	59	0.90	156	0.125	<1	2.35	0.025	0.10	0.1	0.01	5.3	<0.1	<0.05	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000374.2

Method	Analyte	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1202402	Soil		1.2	32.3	14.1	57	0.3	25.4	13.7	396	3.32	71.1	1.8	2.0	4.8	27	0.2	1.2	1.7	84	0.40	
1202401	Soil		0.8	37.1	33.2	63	0.5	28.4	12.6	377	3.25	117.5	1.4	10.3	4.9	26	0.3	2.4	1.6	78	0.35	
1202201	Soil		1.7	20.4	19.8	86	0.6	24.2	11.9	368	3.69	181.2	0.6	4.2	2.5	24	0.9	2.0	0.8	90	0.34	
1202412	Soil		0.9	35.3	15.4	53	0.2	28.0	15.9	535	3.73	21.9	0.4	2.1	2.4	32	0.2	1.6	0.3	116	0.43	
1202180	Soil		0.5	37.6	6.3	44	0.1	35.5	11.6	522	2.43	6.3	0.7	1.4	1.5	53	0.3	0.4	0.1	54	1.40	
1202421	Soil		0.7	62.6	10.3	67	<0.1	40.2	15.6	662	3.62	9.7	0.8	3.7	11.7	49	<0.1	0.9	0.2	87	0.69	
1202403	Soil		0.6	39.6	10.0	51	0.2	29.4	12.8	356	3.06	28.3	1.4	1.6	4.6	36	0.1	0.9	3.2	78	0.42	
1202424	Soil		1.1	18.0	7.9	55	0.1	17.6	10.6	930	2.71	5.1	0.5	0.9	5.4	37	0.2	0.5	0.2	65	0.50	
1202425	Soil		1.0	28.7	12.6	54	<0.1	23.2	10.8	575	2.90	8.4	0.7	2.9	8.4	28	<0.1	0.9	0.2	67	0.40	
1202179	Soil		0.7	27.8	7.0	52	<0.1	55.7	17.6	694	3.22	6.9	0.5	<0.5	3.1	28	0.1	0.4	0.2	77	0.53	
1202405	Soil		2.0	23.4	11.7	56	0.2	26.1	18.1	629	3.37	32.0	0.5	1.8	3.1	30	0.3	1.2	1.0	88	0.30	
1202177	Soil		1.1	22.0	12.4	44	0.2	21.8	11.4	315	2.67	12.5	0.8	10.9	5.6	22	0.1	0.5	0.6	55	0.27	
1202430	Soil		0.9	40.9	5.9	57	<0.1	28.4	11.6	462	2.63	8.6	0.6	4.4	2.8	79	0.3	0.7	0.2	63	2.50	
1204392	Soil		0.6	34.3	7.9	59	0.1	39.5	13.4	309	2.92	10.7	0.7	7.2	3.2	43	0.1	0.5	0.2	68	0.78	
1202182	Soil		0.9	29.9	17.6	54	0.1	30.1	11.4	330	2.50	15.9	0.7	0.8	3.1	51	0.5	0.9	0.2	57	0.97	
1202426	Soil		1.0	43.9	10.7	55	<0.1	28.5	12.8	581	3.12	10.0	0.7	6.0	5.2	39	<0.1	0.7	0.2	74	0.56	
1202161	Soil		1.2	24.3	5.3	38	<0.1	25.5	8.9	298	1.88	3.3	0.3	3.8	0.7	17	0.2	0.4	0.1	55	0.27	
1202178	Soil		0.9	33.2	16.5	54	0.1	82.5	18.0	403	3.10	16.1	0.8	1.1	6.5	22	0.1	0.5	0.3	63	0.31	
1202176	Soil		1.5	13.2	11.8	41	0.2	14.5	8.5	294	2.51	9.3	0.6	1.0	5.9	13	<0.1	0.4	2.0	46	0.17	
1202411	Soil		1.1	21.0	7.7	48	0.4	22.8	13.3	339	3.29	7.3	0.3	1.4	1.7	27	0.2	0.5	0.2	105	0.32	



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	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		0.001	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	
1202402	Soil	0.052	12	36	0.68	165	0.108	2	2.54	0.018	0.05	0.2	0.03	4.5	0.3	<0.05	7	<0.5	<0.2
1202401	Soil	0.042	12	39	0.65	179	0.090	1	2.40	0.019	0.05	0.2	0.04	4.4	0.2	<0.05	6	<0.5	<0.2
1202201	Soil	0.041	8	36	0.60	156	0.084	1	2.29	0.011	0.06	0.2	0.04	3.0	0.1	<0.05	8	<0.5	<0.2
1202412	Soil	0.024	7	50	1.00	190	0.151	<1	2.56	0.026	0.27	0.2	0.03	6.7	1.3	<0.05	8	<0.5	<0.2
1202180	Soil	0.051	12	49	0.69	262	0.044	3	1.69	0.020	0.04	<0.1	0.07	5.6	<0.1	<0.05	4	<0.5	<0.2
1202421	Soil	0.049	32	128	1.83	202	0.136	1	2.75	0.055	0.10	0.1	0.04	5.6	0.1	<0.05	9	<0.5	<0.2
1202403	Soil	0.052	17	71	0.84	157	0.135	<1	2.06	0.019	0.10	0.3	0.04	5.0	0.6	<0.05	6	<0.5	<0.2
1202424	Soil	0.032	12	25	0.80	238	0.091	2	2.07	0.016	0.12	0.1	0.02	3.4	0.1	<0.05	7	<0.5	<0.2
1202425	Soil	0.019	18	33	0.79	128	0.104	<1	1.80	0.027	0.06	0.1	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2
1202179	Soil	0.047	12	81	1.11	266	0.061	1	2.03	0.016	0.04	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
1202405	Soil	0.050	10	61	0.65	157	0.125	1	2.23	0.018	0.07	0.2	0.02	3.1	0.5	<0.05	8	0.5	<0.2
1202177	Soil	0.028	20	30	0.51	209	0.047	1	1.59	0.012	0.06	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
1202430	Soil	0.092	11	31	0.89	166	0.099	2	1.35	0.047	0.09	0.2	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
1204392	Soil	0.057	12	57	0.91	157	0.092	2	1.79	0.032	0.04	0.2	0.03	5.4	<0.1	<0.05	5	0.8	<0.2
1202182	Soil	0.042	12	49	0.67	177	0.066	2	1.50	0.023	0.05	0.1	0.05	5.1	<0.1	<0.05	5	0.7	<0.2
1202426	Soil	0.036	20	39	0.82	126	0.108	<1	1.85	0.041	0.06	0.1	0.04	6.4	<0.1	<0.05	6	0.6	<0.2
1202161	Soil	0.030	5	44	0.54	90	0.057	<1	1.09	0.014	0.05	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
1202178	Soil	0.037	18	125	1.18	300	0.031	1	2.08	0.012	0.06	<0.1	0.04	6.5	<0.1	<0.05	6	<0.5	<0.2
1202176	Soil	0.027	23	20	0.48	104	0.032	<1	1.39	0.008	0.04	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1202411	Soil	0.019	6	39	0.99	154	0.157	<1	2.21	0.020	0.11	0.1	0.02	4.5	0.2	<0.05	8	<0.5	<0.2



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Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000374.2

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
1165880	Soil	0.6	21.6	8.5	42	<0.1	16.2	10.5	439	2.60	4.9	0.8	2.0	5.3	32	<0.1	0.6	0.1	67	0.41
REP 1165880	QC	0.6	21.9	8.7	44	<0.1	16.1	10.9	446	2.69	5.2	0.8	6.7	5.4	33	<0.1	0.6	0.1	70	0.43
1165888	Soil	0.4	30.2	9.9	54	<0.1	22.5	11.9	425	3.16	8.0	1.2	2.4	5.1	43	<0.1	0.5	0.2	70	0.60
REP 1165888	QC	0.5	30.0	9.7	53	0.1	21.9	11.8	412	3.05	7.9	1.8	4.9	5.2	43	<0.1	0.6	0.2	69	0.58
1171557	Soil	1.2	27.9	10.5	80	<0.1	12.6	18.1	1023	4.83	3.5	1.1	1.8	11.1	27	<0.1	0.4	0.1	111	0.73
REP 1171557	QC	1.3	28.0	10.1	80	<0.1	13.2	18.0	1100	5.01	3.0	1.1	1.9	11.2	27	0.1	0.5	0.1	115	0.75
1165834	Soil	0.4	13.5	6.4	60	<0.1	10.3	12.8	726	3.17	4.0	0.4	0.5	6.7	36	<0.1	0.2	<0.1	77	0.47
REP 1165834	QC	0.4	13.0	6.6	60	<0.1	9.6	12.2	691	3.02	4.2	0.5	0.5	7.0	34	<0.1	0.2	<0.1	70	0.42
1171525	Soil	0.8	28.7	18.3	69	<0.1	17.6	11.3	613	3.90	5.0	1.3	1.0	10.0	31	0.1	0.2	0.7	98	0.45
REP 1171525	QC	0.8	31.2	18.8	74	0.1	19.0	12.3	692	4.14	5.3	1.4	1.6	10.5	32	<0.1	0.3	0.5	108	0.50
1171509	Soil	0.5	17.1	6.4	56	<0.1	16.0	11.6	450	3.17	3.7	0.9	4.9	13.0	29	<0.1	0.3	<0.1	86	0.41
REP 1171509	QC	0.7	18.6	6.4	59	<0.1	17.5	12.3	469	3.30	4.2	1.0	4.1	13.2	32	<0.1	0.4	0.1	96	0.45
1178448	Soil	0.2	14.4	8.0	46	<0.1	7.2	11.5	596	2.97	5.9	0.6	<0.5	12.5	38	<0.1	0.6	<0.1	68	0.35
REP 1178448	QC	0.3	14.2	7.9	47	<0.1	7.7	11.2	601	2.88	5.6	0.5	0.7	12.7	39	<0.1	0.6	<0.1	68	0.37
1178432	Soil	0.9	20.8	8.1	71	<0.1	15.4	15.1	648	3.97	7.1	1.0	0.6	8.6	38	<0.1	0.6	0.1	95	0.52
REP 1178432	QC	1.0	19.1	7.8	68	<0.1	14.7	15.0	624	3.88	6.6	1.0	<0.5	8.5	37	0.1	0.7	0.1	92	0.50
1165985	Soil	1.4	27.4	22.9	75	0.5	18.6	11.3	406	3.05	517.2	0.6	1.9	0.2	61	0.7	1.7	2.2	60	0.50
REP 1165985	QC	1.3	28.4	24.2	75	0.6	18.6	11.9	407	3.06	526.0	0.6	1.2	0.2	62	1.0	1.7	2.2	61	0.50
1165821	Soil	6.6	93.0	37.0	36	1.6	11.9	4.4	109	1.38	51.4	3.6	43.3	1.4	18	0.6	3.9	1.5	37	0.19
REP 1165821	QC	6.3	100.0	37.1	41	1.6	13.5	4.6	119	1.49	54.2	3.6	8.8	1.3	19	0.4	4.7	1.6	39	0.20
1202473	Soil	0.9	24.9	7.6	56	<0.1	23.8	14.6	400	4.05	6.8	0.6	2.2	6.2	30	<0.1	0.4	0.1	108	0.33
REP 1202473	QC	0.9	25.5	7.7	57	<0.1	23.5	14.3	398	4.01	7.0	0.6	0.6	6.0	30	<0.1	0.4	0.1	110	0.33
1202465	Soil	1.8	20.3	7.3	47	<0.1	22.7	11.0	299	3.05	6.2	0.6	6.5	3.6	28	<0.1	0.4	0.1	78	0.39
REP 1202465	QC	1.7	19.0	7.0	44	<0.1	21.3	9.9	286	2.83	5.8	0.6	1.5	3.5	26	<0.1	0.4	0.1	73	0.36
1163088	Soil	1.0	23.8	7.7	57	<0.1	22.9	14.0	475	3.71	7.2	1.1	1.1	9.6	28	<0.1	0.5	0.2	91	0.39
REP 1163088	QC	0.9	23.0	7.7	55	<0.1	22.5	14.0	479	3.73	7.0	1.1	3.9	9.4	27	<0.1	0.5	0.2	90	0.40
1165861	Soil	2.2	78.8	16.4	38	0.3	19.9	10.6	246	3.49	23.6	0.9	0.9	0.6	56	0.2	0.9	0.5	104	0.19
REP 1165861	QC	2.3	81.2	17.8	40	0.3	20.9	10.4	248	3.54	22.4	0.9	1.3	0.6	57	0.2	0.9	0.4	110	0.19

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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	1DX15
Analyte	P	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	0.001	1	1	0.01	1	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																			
1165880	Soil	0.036	13	32	0.54	171	0.117	1	1.80	0.023	0.04	<0.1	0.02	5.0	<0.1	<0.05	6	<0.5	<0.2
REP 1165880	QC	0.036	14	33	0.58	176	0.123	1	1.89	0.034	0.04	<0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
1165888	Soil	0.054	14	35	0.68	245	0.117	1	2.18	0.034	0.04	<0.1	0.04	5.9	<0.1	<0.05	6	0.7	<0.2
REP 1165888	QC	0.055	14	33	0.68	245	0.115	2	2.20	0.035	0.04	0.1	0.05	6.0	0.1	<0.05	6	<0.5	<0.2
1171557	Soil	0.058	29	21	1.36	232	0.068	<1	2.56	0.020	0.05	0.2	0.02	8.7	<0.1	<0.05	10	0.7	<0.2
REP 1171557	QC	0.059	29	21	1.41	235	0.066	<1	2.62	0.020	0.04	0.2	0.01	8.7	<0.1	<0.05	10	1.2	<0.2
1165834	Soil	0.047	8	17	0.86	152	0.112	<1	2.87	0.027	0.05	0.1	<0.01	4.6	<0.1	<0.05	8	0.7	<0.2
REP 1165834	QC	0.046	7	15	0.83	151	0.090	<1	2.81	0.025	0.04	0.1	<0.01	4.0	<0.1	<0.05	8	0.6	<0.2
1171525	Soil	0.049	12	25	0.93	427	0.218	2	2.51	0.033	0.32	0.9	<0.01	4.4	0.3	<0.05	8	<0.5	<0.2
REP 1171525	QC	0.050	12	26	1.03	457	0.240	2	2.66	0.032	0.40	1.1	<0.01	4.8	0.3	<0.05	9	<0.5	0.2
1171509	Soil	0.039	11	30	0.88	308	0.207	<1	2.05	0.024	0.26	<0.1	<0.01	4.0	0.2	<0.05	7	<0.5	<0.2
REP 1171509	QC	0.041	12	31	0.92	312	0.250	1	2.19	0.028	0.27	<0.1	0.01	4.2	0.2	<0.05	7	0.7	<0.2
1178448	Soil	0.049	13	16	0.89	142	0.099	<1	1.96	0.021	0.05	0.5	<0.01	6.0	<0.1	<0.05	6	<0.5	<0.2
REP 1178448	QC	0.049	13	15	0.87	141	0.098	<1	1.95	0.021	0.05	0.5	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
1178432	Soil	0.088	13	29	0.98	197	0.134	1	2.65	0.021	0.12	0.4	0.02	5.4	0.1	<0.05	8	<0.5	<0.2
REP 1178432	QC	0.082	12	28	0.94	192	0.138	1	2.53	0.020	0.11	0.3	<0.01	5.6	0.1	<0.05	8	<0.5	<0.2
1165985	Soil	0.084	7	23	0.41	161	0.044	<1	1.96	0.019	0.05	0.1	0.04	1.8	0.2	0.10	7	0.7	0.4
REP 1165985	QC	0.085	7	23	0.39	165	0.045	1	1.93	0.017	0.05	0.2	0.04	1.8	0.2	<0.05	7	0.8	0.5
1165821	Soil	0.049	14	24	0.28	75	0.062	2	1.08	0.019	0.05	0.7	0.05	2.5	0.2	0.06	4	<0.5	<0.2
REP 1165821	QC	0.052	14	25	0.31	78	0.076	<1	1.13	0.022	0.06	0.9	0.05	2.6	0.2	0.13	4	1.2	<0.2
1202473	Soil	0.031	8	40	0.85	196	0.186	2	3.29	0.017	0.06	0.1	0.01	4.6	0.1	<0.05	9	<0.5	<0.2
REP 1202473	QC	0.032	9	40	0.83	199	0.187	1	3.24	0.016	0.06	0.1	0.02	4.7	0.1	<0.05	9	<0.5	<0.2
1202465	Soil	0.033	10	37	0.66	182	0.104	2	2.26	0.019	0.03	<0.1	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
REP 1202465	QC	0.031	10	35	0.61	171	0.100	2	2.12	0.018	0.03	<0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
1163088	Soil	0.033	14	37	0.81	238	0.141	1	2.32	0.019	0.16	0.1	0.02	5.3	0.1	<0.05	7	<0.5	<0.2
REP 1163088	QC	0.033	14	36	0.80	233	0.139	<1	2.34	0.019	0.16	<0.1	0.02	5.3	0.1	<0.05	7	<0.5	<0.2
1165861	Soil	0.072	7	41	0.44	80	0.121	2	2.15	0.017	0.07	0.3	0.10	2.1	0.3	0.10	8	0.7	<0.2
REP 1165861	QC	0.075	7	42	0.44	84	0.125	2	2.18	0.017	0.07	0.2	0.12	2.2	0.3	0.09	8	0.6	<0.2

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Project: WLF

Report Date: January 04, 2012

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

DAW11000374.2

		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1165863	Soil		12.1	322.7	26.8	77	2.3	49.1	22.2	397	4.01	100.5	1.8	13.8	3.0	38	0.4	1.1	2.3	73	0.21
REP 1165863	QC		12.2	334.1	27.9	78	2.4	50.5	22.4	409	4.19	103.0	1.9	51.6	3.1	38	0.4	1.1	1.9	75	0.22
1202256	Soil		1.1	22.5	8.9	52	<0.1	28.8	16.1	340	4.11	10.7	0.5	2.4	4.2	23	<0.1	0.3	0.1	99	0.29
REP 1202256	QC		1.0	22.6	8.8	51	<0.1	28.9	15.5	335	4.13	11.1	0.5	1.2	4.3	24	<0.1	0.4	0.1	97	0.29
1202278	Soil		4.4	19.5	7.6	91	<0.1	11.6	19.9	998	6.06	5.1	1.5	<0.5	22.0	25	<0.1	0.7	<0.1	122	0.47
REP 1202278	QC		4.4	20.0	7.8	89	<0.1	11.1	19.8	1025	6.07	5.2	1.5	<0.5	22.2	25	<0.1	0.7	<0.1	124	0.47
1202403	Soil		0.6	39.6	10.0	51	0.2	29.4	12.8	356	3.06	28.3	1.4	1.6	4.6	36	0.1	0.9	3.2	78	0.42
REP 1202403	QC		0.7	40.0	9.8	51	0.2	29.6	12.8	356	3.07	28.5	1.4	3.8	4.7	37	<0.1	1.0	3.0	79	0.43
Reference Materials																					
STD DS8	Standard		13.7	110.3	123.7	311	1.8	39.3	7.9	602	2.46	24.8	3.0	105.0	7.0	67	2.5	5.4	6.5	42	0.69
STD DS8	Standard		13.3	113.1	128.2	319	1.8	37.2	7.8	623	2.51	26.1	3.1	108.0	7.2	70	2.3	6.1	7.4	44	0.73
STD DS8	Standard		13.2	106.8	121.0	307	1.7	37.1	7.7	621	2.47	24.8	2.9	120.4	7.1	72	2.3	5.5	7.0	41	0.69
STD DS8	Standard		13.1	104.0	122.7	303	1.7	36.2	7.5	614	2.44	24.4	2.7	105.4	6.7	69	2.4	5.6	6.6	44	0.69
STD DS8	Standard		15.3	118.2	126.7	323	2.0	42.3	8.1	621	2.45	26.1	3.0	114.2	7.5	63	2.6	6.2	6.6	42	0.72
STD DS8	Standard		14.4	122.4	135.2	324	1.8	40.0	7.6	648	2.56	25.3	3.2	107.1	8.0	72	2.4	5.8	7.3	46	0.73
STD DS8	Standard		12.8	113.9	126.2	314	1.8	39.3	7.9	606	2.52	25.1	2.7	119.1	6.5	64	2.3	5.2	6.6	44	0.68
STD DS8	Standard		12.1	108.0	125.8	308	1.7	38.7	7.4	587	2.36	25.6	2.8	124.7	6.7	66	2.2	5.7	7.4	41	0.67
STD DS8	Standard		13.4	118.4	131.3	309	1.8	39.6	7.7	617	2.53	24.2	2.9	113.9	7.3	64	2.4	5.4	6.8	44	0.70
STD DS8	Standard		12.9	114.5	124.3	310	1.8	38.6	7.6	590	2.43	24.8	2.8	113.6	6.7	64	2.5	5.4	6.9	42	0.66
STD DS8	Standard		13.1	108.9	126.2	318	1.9	36.6	7.3	608	2.43	26.3	3.0	111.2	7.2	72	2.5	6.2	7.3	43	0.71
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01

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Project: WLF
 Report Date: January 04, 2012

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

DAW11000374.2

		1DX15 P %	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
1165863	Soil	0.049	8	70	0.76	86	0.123	3	2.08	0.024	0.17	1.4	0.05	4.4	0.5	0.10	5	1.0	<0.2
REP 1165863	QC	0.052	9	70	0.79	86	0.126	3	2.20	0.026	0.18	0.9	0.04	4.4	0.5	0.11	6	1.2	<0.2
1202256	Soil	0.030	5	36	0.80	199	0.160	<1	3.38	0.014	0.05	0.2	0.03	3.7	<0.1	<0.05	9	<0.5	<0.2
REP 1202256	QC	0.029	5	37	0.79	197	0.161	1	3.41	0.014	0.05	0.1	0.03	3.8	<0.1	<0.05	9	<0.5	<0.2
1202278	Soil	0.075	21	17	1.56	213	0.023	1	2.91	0.022	0.13	<0.1	0.01	14.4	<0.1	<0.05	14	<0.5	<0.2
REP 1202278	QC	0.076	21	17	1.58	221	0.024	1	2.98	0.023	0.13	<0.1	0.01	14.5	<0.1	<0.05	13	<0.5	<0.2
1202403	Soil	0.052	17	71	0.84	157	0.135	<1	2.06	0.019	0.10	0.3	0.04	5.0	0.6	<0.05	6	<0.5	<0.2
REP 1202403	QC	0.054	17	72	0.86	156	0.137	<1	2.06	0.020	0.10	0.3	0.02	5.1	0.5	<0.05	6	<0.5	<0.2
Reference Materials																			
STD DS8	Standard	0.077	16	119	0.63	273	0.115	3	0.92	0.091	0.42	2.9	0.19	2.4	5.3	0.13	5	5.4	5.0
STD DS8	Standard	0.082	16	118	0.62	287	0.120	2	0.93	0.097	0.43	2.9	0.19	2.4	5.7	0.17	5	4.7	5.1
STD DS8	Standard	0.077	15	116	0.61	284	0.116	2	0.96	0.086	0.45	2.9	0.21	2.4	5.3	0.14	5	5.2	4.9
STD DS8	Standard	0.077	16	116	0.61	273	0.116	2	0.93	0.097	0.40	2.7	0.16	3.2	5.3	0.08	5	5.5	5.0
STD DS8	Standard	0.086	17	122	0.70	312	0.120	2	1.07	0.104	0.42	3.2	0.21	2.8	5.6	0.18	5	6.4	5.2
STD DS8	Standard	0.082	18	129	0.65	277	0.127	3	1.00	0.097	0.42	3.1	0.23	2.6	5.6	0.17	5	5.4	5.2
STD DS8	Standard	0.077	14	116	0.61	260	0.114	2	0.88	0.088	0.41	2.9	0.21	2.2	5.6	0.09	5	5.3	4.5
STD DS8	Standard	0.078	13	114	0.61	261	0.115	2	0.87	0.084	0.41	3.0	0.21	2.2	5.5	0.18	4	5.1	4.8
STD DS8	Standard	0.075	16	122	0.62	263	0.116	3	0.89	0.082	0.40	2.9	0.22	2.2	5.5	0.16	4	4.9	4.9
STD DS8	Standard	0.073	14	115	0.58	273	0.114	3	0.84	0.075	0.39	2.9	0.19	2.0	5.6	0.12	5	5.1	5.0
STD DS8	Standard	0.079	16	115	0.62	287	0.115	2	0.93	0.097	0.45	3.1	0.19	2.8	5.4	0.19	5	5.8	4.8
STD DS8 Expected		0.08	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	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<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: WLF

Report Date: January 04, 2012

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

DAW11000374.2

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



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Vancouver BC V6C 1H2 Canada

Project: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000374.2

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		P	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
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Ethos Capital Corp.
Suite 680-789 West Pender St
Vancouver BC V6C 1H2 Canada

Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 10, 2011
Report Date: January 04, 2012
Page: 1 of 4

CERTIFICATE OF ANALYSIS

DAW11000375.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-03
P.O. Number
Number of Samples: 66

SAMPLE DISPOSAL

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

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

Invoice To: Ethos Capital Corp.
Suite 680-789 West Pender St
Vancouver BC V6C 1H2
Canada

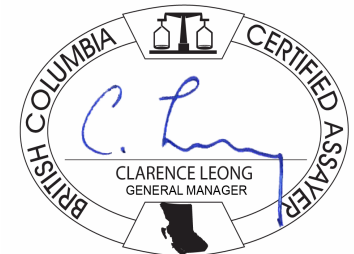
CC: Peter Tallman

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	66	Dry at 60C			VAN
SS80	66	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	66	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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: WLF
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CERTIFICATE OF ANALYSIS

DAW11000375.2

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	
1202429	Soil	0.8	42.9	7.4	51	0.1	27.9	12.9	446	3.09	9.0	0.5	7.6	3.7	43	<0.1	0.7	0.2	79	0.65	0.046
1202422	Soil	0.8	66.1	11.4	63	<0.1	45.5	16.0	603	3.60	10.2	0.8	12.1	11.9	56	<0.1	1.0	0.2	89	0.72	0.048
1202406	Soil	1.0	23.8	10.5	64	0.3	37.6	15.7	437	3.51	38.0	0.6	1.1	4.5	45	0.2	2.4	1.4	95	0.59	0.052
1202431	Soil	0.6	41.7	6.4	53	<0.1	25.0	10.5	418	2.62	6.8	0.8	1.9	2.9	54	0.1	0.7	0.3	70	1.17	0.069
1202428	Soil	1.6	32.6	11.7	51	<0.1	22.6	11.8	578	2.93	8.7	1.0	3.1	4.5	43	<0.1	0.9	0.2	78	0.61	0.032
1202174	Soil	1.0	15.0	12.6	33	0.4	13.5	5.9	227	1.94	6.3	0.5	3.9	2.7	13	<0.1	0.3	0.6	46	0.15	0.027
1202175	Soil	0.9	19.8	15.5	42	0.3	19.1	9.4	295	2.44	12.2	0.6	2.6	6.5	18	<0.1	0.4	1.1	46	0.23	0.025
1202423	Soil	1.0	26.2	11.8	64	<0.1	24.1	13.3	690	3.76	8.9	0.9	3.3	10.1	31	0.1	0.9	0.2	92	0.31	0.029
1202427	Soil	1.5	22.8	9.5	50	<0.1	25.4	11.5	623	2.97	9.3	0.7	0.8	5.1	42	0.1	0.6	0.2	71	0.64	0.031
1202408	Soil	0.6	26.5	7.1	43	<0.1	23.3	10.0	325	2.56	12.9	0.5	4.1	3.7	35	<0.1	1.2	0.1	68	0.42	0.046
1202407	Soil	1.1	26.6	13.5	49	0.4	30.0	12.7	500	3.13	29.0	0.7	3.2	4.7	39	0.1	1.6	0.9	87	0.43	0.043
1202409	Soil	1.2	18.6	9.2	50	0.3	21.4	11.3	554	2.87	9.0	0.5	2.0	3.5	36	0.2	0.6	0.2	76	0.29	0.021
1202404	Soil	1.0	25.9	24.2	81	0.3	30.3	13.1	363	3.36	220.2	0.8	7.9	4.5	29	0.6	15.0	1.5	87	0.35	0.047
1202410	Soil	0.6	29.4	6.2	47	0.1	25.9	12.6	362	3.01	13.8	0.6	4.2	4.4	28	<0.1	1.0	0.6	85	0.39	0.043
1202417	Soil	0.8	20.4	7.4	62	0.1	26.4	13.0	1201	2.71	5.8	0.4	6.6	2.7	54	0.3	0.4	0.2	67	0.72	0.154
1202181	Soil	0.7	30.8	8.3	47	0.1	37.6	15.1	566	2.84	7.8	0.6	1.6	2.8	49	0.3	0.5	0.2	70	0.94	0.040
1202432	Soil	0.5	32.1	6.1	48	<0.1	24.9	11.0	411	2.65	7.3	0.6	4.3	2.9	55	0.3	0.6	0.1	69	1.16	0.067
1202169	Soil	1.0	27.6	19.7	48	0.1	27.9	13.2	511	2.29	8.5	1.2	2.0	5.8	44	0.2	0.3	0.2	45	0.67	0.069
1202168	Soil	1.0	31.4	17.6	48	0.1	34.1	14.1	647	2.27	4.9	1.2	1.3	4.5	58	0.2	0.3	0.2	47	0.89	0.085
1202165	Soil	0.9	43.5	11.7	43	0.1	44.7	17.2	746	2.45	4.9	0.7	1.1	1.6	74	0.2	0.4	0.1	55	1.47	0.091
1202163	Soil	0.6	49.2	5.0	53	0.1	54.7	17.8	594	3.10	6.0	0.5	5.5	1.4	48	0.1	0.3	<0.1	75	0.95	0.113
1202171	Soil	1.1	22.1	17.9	36	0.2	14.1	7.7	328	1.91	6.4	1.1	1.8	4.7	28	0.1	0.2	0.7	40	0.36	0.029
1202167	Soil	0.8	31.2	16.5	50	0.1	33.9	14.1	644	2.33	5.0	1.3	1.4	4.2	57	0.2	0.3	0.1	47	0.85	0.087
1202173	Soil	0.9	15.9	11.4	41	<0.1	15.3	8.0	492	2.31	6.7	0.5	<0.5	4.6	19	0.1	0.3	0.4	41	0.26	0.035
1202164	Soil	0.8	42.5	5.0	36	0.1	34.7	11.2	524	1.83	4.0	0.7	2.3	0.6	102	0.4	0.7	<0.1	40	2.13	0.089
1202166	Soil	0.9	31.7	9.5	43	0.1	35.9	13.6	548	2.20	4.1	0.8	1.3	1.9	61	0.2	0.2	0.1	51	1.15	0.079
1202158	Soil	0.6	33.8	8.6	57	0.1	25.6	10.0	581	2.22	11.0	0.8	1.2	1.5	55	0.3	0.4	0.1	54	0.87	0.062
1202160	Soil	0.5	39.7	6.5	49	<0.1	45.5	13.5	372	2.43	8.0	0.5	0.7	2.1	32	0.2	0.7	<0.1	58	0.65	0.082
1202170	Soil	0.9	24.6	20.2	46	0.2	25.0	12.5	413	2.48	8.1	1.2	3.2	5.6	42	0.2	0.3	0.3	53	0.65	0.052
1202172	Soil	1.1	22.6	16.3	40	0.1	16.8	8.3	310	2.14	6.8	0.9	1.5	4.4	30	0.2	0.3	0.4	46	0.38	0.031

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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	0.1	0.01	0.05	1	0.5	0.2	
1202429	Soil	17	41	0.78	190	0.126	1	1.85	0.043	0.08	0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2
1202422	Soil	35	140	1.79	197	0.157	3	2.73	0.068	0.10	0.1	0.02	6.3	0.1	<0.05	9	<0.5	<0.2
1202406	Soil	16	104	1.09	163	0.169	2	2.81	0.027	0.09	0.3	0.02	5.2	0.6	<0.05	8	<0.5	<0.2
1202431	Soil	12	33	0.77	195	0.113	3	1.56	0.046	0.08	0.2	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1202428	Soil	18	34	0.72	166	0.115	1	2.05	0.044	0.06	0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2
1202174	Soil	10	22	0.35	117	0.063	2	1.40	0.015	0.06	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1202175	Soil	20	26	0.51	126	0.060	1	1.54	0.014	0.04	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
1202423	Soil	19	48	1.27	239	0.145	<1	2.78	0.021	0.19	0.1	0.01	7.7	0.1	<0.05	9	<0.5	<0.2
1202427	Soil	17	39	0.61	200	0.091	<1	2.25	0.022	0.09	0.1	0.03	5.4	<0.1	<0.05	6	<0.5	<0.2
1202408	Soil	11	34	0.71	140	0.115	<1	1.84	0.022	0.06	0.1	0.01	3.8	0.2	<0.05	5	<0.5	<0.2
1202407	Soil	14	65	0.90	187	0.145	1	2.46	0.026	0.09	0.2	0.02	4.6	0.5	<0.05	7	<0.5	<0.2
1202409	Soil	9	31	0.73	244	0.113	<1	2.42	0.026	0.06	0.1	0.02	3.4	0.1	<0.05	7	<0.5	<0.2
1202404	Soil	16	81	0.85	139	0.155	<1	2.27	0.019	0.13	0.6	0.02	4.9	1.0	<0.05	7	<0.5	<0.2
1202410	Soil	14	42	0.76	167	0.144	1	1.87	0.026	0.07	0.1	0.02	4.8	0.2	<0.05	6	<0.5	<0.2
1202417	Soil	13	70	0.69	238	0.098	1	2.07	0.041	0.08	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
1202181	Soil	12	54	0.79	226	0.092	1	1.99	0.030	0.06	0.1	0.05	6.3	<0.1	<0.05	5	<0.5	<0.2
1202432	Soil	12	32	0.67	175	0.122	2	1.56	0.051	0.07	0.2	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1202169	Soil	24	42	0.80	178	0.051	<1	1.37	0.013	0.10	<0.1	0.02	3.7	0.1	<0.05	4	<0.5	<0.2
1202168	Soil	24	49	0.89	159	0.046	1	1.43	0.015	0.08	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
1202165	Soil	15	68	1.07	154	0.049	1	1.67	0.017	0.05	<0.1	0.04	4.6	<0.1	0.08	5	0.6	<0.2
1202163	Soil	12	82	1.35	141	0.074	1	2.20	0.019	0.06	<0.1	0.03	5.4	<0.1	<0.05	6	0.9	<0.2
1202171	Soil	20	24	0.41	179	0.049	<1	1.26	0.016	0.08	<0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
1202167	Soil	24	49	0.88	155	0.050	<1	1.43	0.015	0.08	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
1202173	Soil	21	22	0.47	119	0.049	<1	1.24	0.011	0.07	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1202164	Soil	9	50	0.76	129	0.042	<1	1.33	0.021	0.06	<0.1	0.06	3.6	<0.1	0.09	4	1.0	<0.2
1202166	Soil	13	58	0.88	146	0.058	1	1.55	0.019	0.06	<0.1	0.04	4.0	<0.1	0.06	5	<0.5	<0.2
1202158	Soil	14	38	0.61	207	0.049	2	1.77	0.027	0.08	<0.1	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
1202160	Soil	10	68	1.06	113	0.076	2	1.71	0.017	0.08	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
1202170	Soil	24	39	0.70	220	0.048	1	1.66	0.015	0.09	<0.1	0.04	3.7	0.1	<0.05	5	<0.5	<0.2
1202172	Soil	18	26	0.46	193	0.051	<1	1.59	0.019	0.07	<0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			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	
1202156	Soil		0.5	25.9	7.5	44	<0.1	19.0	8.4	273	2.44	16.5	1.3	2.1	2.2	39	0.1	0.3	0.2	64	0.53	0.046
1202157	Soil		0.7	26.4	9.9	53	<0.1	22.1	9.5	376	2.50	14.1	1.0	5.3	2.6	46	0.2	0.3	0.1	62	0.66	0.051
1202159	Soil		0.8	26.3	7.3	57	<0.1	26.9	9.4	333	2.44	11.5	0.4	1.2	2.0	26	0.1	0.4	0.1	66	0.31	0.028
1202152	Soil		1.4	21.7	16.5	67	<0.1	25.0	15.0	476	3.59	13.9	0.5	0.8	2.7	31	0.3	0.6	0.2	87	0.45	0.054
1202162	Soil		0.9	44.5	6.9	50	<0.1	52.2	17.9	510	3.07	6.1	0.7	<0.5	2.2	39	0.1	0.9	0.1	73	0.76	0.082
1202155	Soil		0.6	22.9	6.9	45	0.1	18.3	7.8	337	2.22	12.5	0.9	0.8	1.7	66	0.4	0.4	0.1	61	1.00	0.057
1202154	Soil		0.6	22.6	8.3	47	0.1	16.9	8.7	354	2.44	8.9	0.6	<0.5	1.6	46	<0.1	0.4	0.1	62	0.67	0.056
1202153	Soil		1.1	21.9	7.4	78	0.1	12.2	6.9	868	2.02	5.4	0.4	2.0	1.3	54	0.4	0.4	0.1	50	1.01	0.071
1202151	Soil		0.7	30.1	8.1	37	0.1	17.4	9.8	838	2.30	9.1	1.0	3.6	1.1	44	0.3	0.3	0.1	57	0.93	0.051
1165787	Soil		1.6	130.3	43.7	55	1.0	27.5	15.1	351	3.49	460.5	0.9	11.1	0.8	50	0.3	2.3	29.7	72	0.32	0.080
1165991	Soil		1.5	31.8	8.6	43	0.1	39.6	21.9	558	2.67	17.8	1.4	1.6	2.1	34	<0.1	0.9	0.3	84	0.35	0.091
1165993	Soil		1.3	35.6	7.9	49	0.1	29.5	13.1	229	2.44	14.8	0.5	1.0	1.0	28	0.2	0.6	0.2	66	0.36	0.061
1165990	Soil		3.4	48.9	39.7	74	0.6	16.3	7.3	274	2.52	69.3	6.4	10.3	13.0	24	0.2	8.5	1.3	67	0.35	0.088
1165988	Soil		12.5	64.3	44.4	70	0.7	18.4	13.0	947	2.80	107.1	5.4	7.5	5.7	28	0.3	5.4	4.8	69	0.35	0.075
1178428	Soil		10.4	389.7	79.8	96	3.7	18.1	10.1	457	2.91	280.1	8.3	29.8	6.5	44	0.8	4.6	9.3	67	0.48	0.078
1165987	Soil		9.5	383.4	74.3	101	3.0	17.2	10.9	513	2.80	217.3	6.7	31.2	8.4	28	0.6	3.4	7.2	66	0.37	0.080
1178427	Soil		10.3	573.3	68.8	73	3.1	15.0	9.7	404	2.54	222.6	9.6	20.5	4.1	33	0.7	3.9	10.4	59	0.41	0.078
1165989	Soil		6.4	64.0	42.0	69	0.9	17.3	8.3	336	3.81	259.3	10.4	36.0	13.3	21	0.3	8.4	2.2	71	0.34	0.085
1178426	Soil		15.0	637.8	53.7	83	1.7	29.6	16.5	412	3.77	220.0	6.3	33.5	7.2	22	0.6	2.2	4.0	79	0.22	0.050
1178424	Soil		5.9	142.4	36.1	63	0.7	20.3	11.2	307	3.55	187.3	1.0	13.2	1.7	24	0.4	7.9	1.7	82	0.22	0.047
1178425	Soil		7.1	206.7	38.0	49	1.6	11.4	6.7	245	2.74	189.5	1.4	14.6	1.2	28	0.5	3.9	1.7	71	0.25	0.054
1178423	Soil		4.1	56.0	25.3	44	0.3	14.0	6.7	188	3.01	115.6	0.5	9.2	1.7	16	0.2	1.5	2.3	75	0.13	0.033
1178422	Soil		2.0	80.8	36.0	57	1.0	16.3	9.2	267	3.09	88.8	0.8	10.1	1.4	16	0.3	1.6	2.4	72	0.15	0.054
1165788	Soil		1.6	46.7	20.7	47	0.4	19.6	9.1	240	3.50	255.2	0.7	7.6	1.5	36	0.2	2.6	38.8	70	0.25	0.045
1165789	Soil		1.0	30.9	26.1	63	0.2	23.7	12.5	454	2.86	46.8	1.0	4.4	2.0	16	0.5	1.6	1.6	58	0.17	0.061
1178414	Soil		2.7	119.1	39.9	65	0.5	16.7	14.1	287	6.96	237.3	0.8	7.7	2.8	136	0.4	3.2	5.0	90	0.29	0.183
1165786	Soil		1.6	49.0	21.4	43	0.4	15.0	10.4	299	3.19	367.5	0.5	6.7	0.7	47	0.3	1.8	7.3	65	0.34	0.067
1178415	Soil		1.6	47.0	24.2	50	0.4	13.0	12.4	355	2.80	72.9	0.9	7.8	1.1	54	0.2	2.0	5.5	62	0.21	0.070
1178416	Soil		1.7	63.0	27.7	72	0.7	17.9	17.4	478	3.32	114.0	1.3	6.4	2.2	72	0.3	3.4	7.3	88	0.42	0.089
1178417	Soil		1.6	31.6	21.5	48	0.2	17.4	8.2	271	3.36	258.6	0.6	7.2	1.1	25	0.2	1.9	3.4	87	0.21	0.050

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Project: WLF
 Report Date: January 04, 2012

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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
1202156	Soil	15	33	0.55	196	0.063	1	2.01	0.028	0.05	0.1	0.05	5.1	0.1	<0.05	6	<0.5	<0.2
1202157	Soil	15	34	0.63	200	0.072	2	1.98	0.034	0.07	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
1202159	Soil	9	49	0.61	154	0.065	1	1.84	0.023	0.09	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1202152	Soil	10	37	0.67	145	0.088	2	2.50	0.026	0.09	0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
1202162	Soil	14	82	1.30	157	0.068	<1	2.34	0.019	0.06	<0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
1202155	Soil	12	28	0.56	177	0.075	1	1.70	0.034	0.07	0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
1202154	Soil	12	27	0.55	184	0.058	2	1.64	0.026	0.06	<0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1202153	Soil	10	20	0.29	198	0.058	3	1.18	0.023	0.11	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1202151	Soil	12	25	0.43	162	0.048	1	1.62	0.027	0.05	<0.1	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
1165787	Soil	9	38	0.64	102	0.071	2	2.52	0.024	0.10	0.3	0.06	3.2	0.4	0.11	6	0.9	0.9
1165991	Soil	10	58	0.71	127	0.130	<1	2.29	0.023	0.08	0.3	0.04	3.2	0.3	0.06	6	0.7	<0.2
1165993	Soil	7	49	0.67	101	0.123	<1	1.86	0.023	0.08	0.2	0.04	2.9	0.2	0.06	5	<0.5	<0.2
1165990	Soil	17	33	0.59	108	0.089	2	1.97	0.013	0.06	1.1	0.09	3.7	0.2	<0.05	7	<0.5	<0.2
1165988	Soil	14	32	0.55	143	0.068	1	1.81	0.016	0.05	1.5	0.07	3.1	0.2	0.05	6	<0.5	<0.2
1178428	Soil	30	29	0.59	151	0.085	2	1.87	0.021	0.09	1.7	0.11	3.4	0.3	0.06	6	0.8	<0.2
1165987	Soil	25	28	0.55	124	0.087	2	1.74	0.020	0.09	1.6	0.09	3.5	0.2	0.06	6	0.5	<0.2
1178427	Soil	41	26	0.45	128	0.058	1	1.68	0.016	0.06	2.4	0.08	2.7	0.2	0.08	5	0.5	<0.2
1165989	Soil	21	32	0.54	115	0.083	1	1.80	0.012	0.05	2.2	0.07	3.6	0.2	<0.05	6	<0.5	<0.2
1178426	Soil	11	40	0.64	159	0.112	2	3.28	0.014	0.05	0.9	0.15	4.2	0.3	<0.05	7	0.6	<0.2
1178424	Soil	10	32	0.50	124	0.088	1	2.48	0.013	0.05	0.5	0.07	2.8	0.3	<0.05	7	<0.5	<0.2
1178425	Soil	8	26	0.38	106	0.083	2	1.92	0.014	0.06	0.8	0.10	2.2	0.3	<0.05	7	<0.5	<0.2
1178423	Soil	6	25	0.37	99	0.091	<1	1.61	0.012	0.04	0.3	0.04	2.0	0.2	<0.05	8	<0.5	<0.2
1178422	Soil	8	32	0.39	85	0.072	<1	2.92	0.012	0.04	0.2	0.07	2.7	0.3	<0.05	7	<0.5	<0.2
1165788	Soil	8	29	0.43	98	0.082	1	1.95	0.015	0.05	2.0	0.04	2.6	0.2	<0.05	6	0.8	0.8
1165789	Soil	10	33	0.61	83	0.067	1	2.75	0.014	0.06	0.3	0.06	3.2	0.1	0.06	5	<0.5	<0.2
1178414	Soil	13	33	0.69	95	0.132	2	2.47	0.171	0.38	0.6	0.03	4.3	1.0	0.75	7	0.7	0.6
1165786	Soil	5	25	0.43	111	0.055	2	1.69	0.019	0.07	0.7	0.06	2.3	0.4	0.09	6	1.0	0.6
1178415	Soil	7	25	0.42	92	0.070	<1	1.58	0.025	0.11	0.6	0.05	2.4	0.4	0.08	5	0.6	<0.2
1178416	Soil	10	31	0.54	88	0.095	1	1.66	0.027	0.11	1.2	0.07	3.3	0.5	0.10	6	0.7	<0.2
1178417	Soil	7	30	0.42	110	0.086	1	1.96	0.010	0.04	0.2	0.04	2.2	0.2	0.05	8	0.5	0.3

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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	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
1178418	Soil	2.2	52.4	24.8	52	1.0	15.2	12.5	438	2.40	110.3	1.0	6.7	1.0	39	0.3	1.5	3.3	68	0.30	0.089
1178420	Soil	2.2	58.9	25.3	46	1.4	13.0	16.6	444	2.10	103.9	1.8	8.9	0.7	38	0.4	1.7	2.5	50	0.24	0.099
1178419	Soil	1.8	50.8	24.5	29	0.6	9.6	5.7	164	2.23	88.7	0.9	9.1	0.5	22	0.5	0.9	2.0	74	0.13	0.040
1178421	Soil	2.9	35.1	21.1	54	0.3	20.2	12.7	297	3.55	68.5	0.6	5.4	2.1	26	0.2	1.0	1.0	76	0.19	0.049
1165994	Soil	0.8	39.5	7.5	49	<0.1	32.0	18.1	318	3.12	14.3	0.7	18.1	2.1	33	0.2	0.7	0.2	90	0.43	0.061
1165992	Soil	1.8	32.2	7.2	48	0.2	24.9	96.3	5283	3.66	15.1	0.8	3.2	1.2	24	0.2	0.7	0.2	78	0.26	0.072



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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	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	
1178418	Soil	9	27	0.45	95	0.083	2	1.93	0.020	0.08	0.4	0.08	2.6	0.4	0.08	6	<0.5	<0.2
1178420	Soil	9	24	0.38	78	0.059	1	1.93	0.018	0.07	0.3	0.09	2.4	0.4	0.11	5	0.8	<0.2
1178419	Soil	9	22	0.24	68	0.071	<1	1.27	0.011	0.03	0.1	0.05	1.5	0.2	0.06	7	<0.5	<0.2
1178421	Soil	7	32	0.61	89	0.109	2	2.56	0.016	0.06	0.3	0.05	2.6	0.4	<0.05	6	<0.5	<0.2
1165994	Soil	8	50	0.65	102	0.137	3	1.75	0.035	0.08	0.5	0.03	3.0	0.2	<0.05	5	<0.5	<0.2
1165992	Soil	6	44	0.59	122	0.108	2	2.11	0.018	0.06	0.1	0.05	2.9	0.3	0.07	6	<0.5	<0.2



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QUALITY CONTROL REPORT

DAW11000375.2

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																					
1202175	Soil	0.9	19.8	15.5	42	0.3	19.1	9.4	295	2.44	12.2	0.6	2.6	6.5	18	<0.1	0.4	1.1	46	0.23	0.025
REP 1202175	QC	0.8	18.9	15.3	42	0.2	18.2	9.4	286	2.37	12.5	0.6	3.7	6.7	18	<0.1	0.4	1.2	45	0.23	0.024
1202172	Soil	1.1	22.6	16.3	40	0.1	16.8	8.3	310	2.14	6.8	0.9	1.5	4.4	30	0.2	0.3	0.4	46	0.38	0.031
REP 1202172	QC	1.2	22.2	16.3	39	0.2	16.1	8.3	307	2.13	6.9	0.9	8.9	4.5	30	0.1	0.3	0.5	46	0.37	0.030
1165787	Soil	1.6	130.3	43.7	55	1.0	27.5	15.1	351	3.49	460.5	0.9	11.1	0.8	50	0.3	2.3	29.7	72	0.32	0.080
REP 1165787	QC	1.7	126.3	43.2	54	1.1	26.4	14.4	348	3.38	449.1	0.9	17.9	0.7	50	0.3	2.4	30.1	73	0.32	0.085
1165992	Soil	1.8	32.2	7.2	48	0.2	24.9	96.3	5283	3.66	15.1	0.8	3.2	1.2	24	0.2	0.7	0.2	78	0.26	0.072
REP 1165992	QC	1.7	32.2	7.4	47	0.2	24.8	99.7	5508	3.75	15.2	0.8	4.0	1.2	24	0.2	0.8	0.2	78	0.27	0.080
Reference Materials																					
STD DS8	Standard	12.0	109.6	115.4	313	1.8	36.4	7.4	597	2.40	25.4	2.5	111.6	6.3	66	2.4	5.5	6.3	41	0.68	0.078
STD DS8	Standard	12.8	110.7	125.2	302	1.8	37.8	7.7	594	2.47	24.0	2.7	115.6	6.6	67	2.3	5.6	6.4	42	0.65	0.074
STD DS8	Standard	12.5	107.5	124.1	308	1.7	36.2	7.2	608	2.41	25.6	2.7	104.7	6.6	63	2.4	5.6	6.8	41	0.64	0.076
STD DS8	Standard	13.7	107.2	125.4	307	1.9	37.7	7.5	627	2.45	25.4	3.0	120.3	7.6	75	2.3	5.9	6.6	43	0.74	0.081
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Report Date: January 04, 2012

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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																		
1202175	Soil	20	26	0.51	126	0.060	1	1.54	0.014	0.04	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 1202175	QC	20	25	0.51	127	0.060	<1	1.51	0.014	0.05	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
1202172	Soil	18	26	0.46	193	0.051	<1	1.59	0.019	0.07	<0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
REP 1202172	QC	18	25	0.45	191	0.050	<1	1.58	0.018	0.07	<0.1	0.04	3.2	0.1	<0.05	5	0.7	<0.2
1165787	Soil	9	38	0.64	102	0.071	2	2.52	0.024	0.10	0.3	0.06	3.2	0.4	0.11	6	0.9	0.9
REP 1165787	QC	9	37	0.64	106	0.071	2	2.51	0.025	0.10	0.3	0.07	3.3	0.4	0.12	6	0.8	0.9
1165992	Soil	6	44	0.59	122	0.108	2	2.11	0.018	0.06	0.1	0.05	2.9	0.3	0.07	6	<0.5	<0.2
REP 1165992	QC	7	42	0.57	122	0.107	2	2.24	0.021	0.07	0.1	0.06	2.7	0.3	0.06	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	115	0.61	288	0.112	3	0.97	0.117	0.46	3.1	0.21	2.5	5.3	0.16	5	5.0	4.6
STD DS8	Standard	15	113	0.59	260	0.112	2	0.90	0.100	0.42	3.0	0.18	2.3	5.4	0.10	5	5.3	4.9
STD DS8	Standard	15	114	0.61	280	0.109	3	0.92	0.088	0.42	2.7	0.20	2.0	5.5	0.16	4	5.0	4.7
STD DS8	Standard	17	120	0.63	288	0.128	1	1.01	0.111	0.42	3.0	0.19	2.6	5.6	0.15	5	5.7	5.3
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 13, 2011
Report Date: January 04, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

DAW11000377.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-04
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

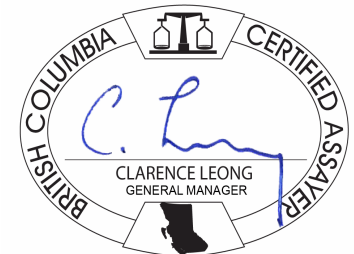
CC: Peter Tallman

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included. Sample 1171737 lost due to prep error.



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: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000377.2

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
1171761	Soil	7.3	114.1	48.4	77	1.7	20.4	9.5	419	2.63	168.9	11.8	10.9	4.6	28	0.5	19.1	7.5	69	0.35	0.079
1171763	Soil	2.8	82.6	40.5	66	0.7	16.4	8.3	402	2.40	72.5	5.1	6.4	2.8	21	0.6	18.8	2.5	72	0.31	0.062
1171756	Soil	5.3	129.2	28.9	70	1.0	22.5	10.9	431	3.02	42.0	3.9	8.6	5.6	27	0.3	2.0	1.6	75	0.33	0.074
1171765	Soil	3.8	42.5	22.1	52	0.4	12.0	6.1	278	2.41	49.2	1.5	5.7	2.4	17	0.6	3.1	2.3	81	0.20	0.054
1171662	Soil	0.8	13.1	5.7	26	<0.1	6.7	5.7	222	1.48	7.2	0.4	1.3	0.4	16	0.1	0.2	0.1	39	0.15	0.030
1171755	Soil	1.9	89.9	20.4	59	0.4	24.5	12.7	322	3.23	42.8	2.3	9.1	8.3	31	0.2	1.8	1.1	82	0.33	0.087
1171754	Soil	1.8	52.9	27.2	48	0.6	24.7	10.3	259	2.93	31.7	4.2	7.3	5.4	38	0.2	1.2	1.1	80	0.35	0.071
1171762	Soil	3.8	76.5	50.3	78	1.0	23.0	12.4	515	2.81	102.9	5.8	16.1	9.8	27	0.5	13.2	4.3	77	0.46	0.076
1171666	Soil	4.0	229.8	14.9	56	0.8	29.8	11.2	249	2.97	467.1	1.9	23.9	4.5	41	0.3	5.3	1.8	90	0.45	0.121
1171665	Soil	2.1	26.7	19.3	48	0.6	16.4	9.9	216	3.62	34.7	0.6	2.9	1.6	27	0.3	0.6	0.3	97	0.27	0.060
1171668	Soil	2.0	51.4	12.1	42	0.3	15.7	8.6	302	2.53	74.1	0.9	3.9	0.9	33	0.2	1.1	0.6	72	0.27	0.062
1171667	Soil	3.5	195.2	13.9	48	0.7	25.7	8.9	224	2.64	432.5	1.8	24.3	3.4	36	0.2	4.8	1.6	75	0.35	0.095
1171669	Soil	1.7	47.1	22.8	63	0.6	26.7	11.6	371	3.34	59.5	1.9	7.0	3.4	47	0.4	3.2	0.8	93	0.44	0.071
1171753	Soil	1.6	30.3	13.8	53	0.3	26.0	11.5	285	2.88	20.1	1.6	4.4	4.1	30	0.1	0.7	0.4	79	0.35	0.069
1171670	Soil	1.0	25.2	12.8	44	0.4	21.2	8.9	341	2.20	17.9	1.6	5.3	1.6	30	0.3	0.6	0.3	63	0.35	0.062
1171760	Soil	11.7	89.6	106.5	105	2.2	21.8	12.0	379	2.74	283.3	12.6	29.9	8.9	24	0.7	21.6	5.9	76	0.36	0.094
1171759	Soil	11.2	110.3	26.1	70	0.7	19.2	9.2	342	2.57	47.0	6.3	5.5	7.9	25	0.7	6.0	2.8	74	0.35	0.075
1171764	Soil	3.2	87.0	41.1	70	0.8	23.1	10.9	370	2.97	132.3	3.8	13.7	8.1	28	0.8	10.5	7.9	82	0.41	0.060
1171757	Soil	5.2	103.0	23.0	65	0.9	19.3	10.2	384	2.90	62.8	3.7	13.6	7.1	33	0.3	2.7	2.3	75	0.36	0.071
1171758	Soil	4.2	104.7	19.2	58	0.9	21.8	8.9	278	2.77	37.1	2.7	8.1	4.0	28	0.3	2.6	1.6	78	0.34	0.066
1171663	Soil	1.2	23.1	15.2	53	0.1	24.1	14.1	361	3.32	43.8	0.8	2.6	2.9	27	0.1	0.8	0.3	89	0.26	0.060
1171661	Soil	1.5	20.5	30.1	57	0.2	22.0	12.2	295	2.98	210.0	0.8	5.6	1.3	45	0.2	1.0	4.4	83	0.38	0.064
1171659	Soil	1.3	22.2	17.8	54	0.2	22.4	11.9	240	2.96	89.0	0.6	2.9	0.6	22	0.4	0.7	0.5	77	0.21	0.049
1171660	Soil	1.5	19.4	16.8	50	0.1	19.3	13.2	309	3.16	154.5	0.6	3.5	1.1	32	0.2	1.4	0.7	76	0.17	0.083
1171657	Soil	1.5	33.2	171.3	215	0.8	24.6	19.6	936	3.91	613.8	4.5	20.0	3.9	102	2.1	10.4	1.3	79	0.41	0.079
1171656	Soil	1.5	33.2	168.7	214	0.8	24.5	19.3	932	3.90	604.4	4.4	15.0	3.5	94	2.1	10.0	1.6	81	0.40	0.081
1171658	Soil	1.6	28.0	29.3	88	0.3	18.4	21.2	641	3.32	1645	1.2	3.2	0.4	34	0.5	3.4	1.2	80	0.28	0.097
1171664	Soil	1.5	18.1	17.1	48	0.1	19.9	10.5	322	3.49	31.7	0.5	1.6	1.7	33	0.2	0.7	0.3	99	0.29	0.046
1171655	Soil	1.8	36.8	54.4	92	0.4	28.3	17.9	533	3.50	201.9	1.2	38.7	1.7	256	0.4	4.5	6.0	83	0.55	0.102
1171654	Soil	1.9	26.2	24.9	77	0.2	18.1	20.6	604	3.11	471.1	0.9	20.7	0.3	151	0.4	3.3	4.5	82	0.41	0.114

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Project: WLF
 Report Date: January 04, 2012

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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	
1171761	Soil	22	33	0.45	161	0.071	2	1.96	0.018	0.05	2.0	0.07	3.7	0.2	<0.05	6	<0.5	<0.2
1171763	Soil	20	27	0.36	134	0.078	2	1.41	0.017	0.05	2.1	0.05	2.7	0.2	<0.05	6	<0.5	<0.2
1171756	Soil	15	41	0.63	119	0.104	2	1.83	0.014	0.05	3.0	0.03	4.1	0.2	<0.05	6	<0.5	<0.2
1171765	Soil	7	22	0.26	96	0.118	2	0.91	0.012	0.05	0.8	0.02	2.0	0.2	<0.05	7	<0.5	<0.2
1171662	Soil	4	14	0.21	60	0.056	1	0.82	0.019	0.02	<0.1	0.02	1.2	0.1	<0.05	4	<0.5	<0.2
1171755	Soil	15	56	0.77	129	0.145	2	2.12	0.016	0.08	2.2	0.02	4.7	0.3	<0.05	7	<0.5	<0.2
1171754	Soil	15	71	0.88	149	0.156	1	2.25	0.020	0.10	1.0	0.04	6.1	0.5	<0.05	7	<0.5	<0.2
1171762	Soil	18	37	0.61	148	0.113	2	1.77	0.019	0.06	3.4	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
1171666	Soil	12	41	0.86	135	0.123	2	1.94	0.030	0.28	0.5	0.05	5.9	0.6	<0.05	6	0.6	<0.2
1171665	Soil	7	36	0.46	107	0.114	1	1.85	0.012	0.05	0.1	0.04	2.6	0.3	<0.05	9	<0.5	<0.2
1171668	Soil	9	30	0.54	117	0.098	3	1.66	0.017	0.08	0.3	0.03	2.4	0.3	<0.05	6	<0.5	<0.2
1171667	Soil	9	32	0.77	119	0.104	2	1.60	0.025	0.25	0.3	0.04	4.3	0.5	<0.05	5	0.5	<0.2
1171669	Soil	12	61	0.90	162	0.161	2	2.36	0.027	0.12	0.2	0.03	5.2	0.4	<0.05	8	<0.5	<0.2
1171753	Soil	12	57	0.77	160	0.145	2	2.01	0.016	0.07	0.2	0.04	4.4	0.3	<0.05	6	<0.5	<0.2
1171670	Soil	11	42	0.57	123	0.111	1	1.46	0.021	0.06	0.1	0.04	3.2	0.2	<0.05	5	<0.5	<0.2
1171760	Soil	24	39	0.62	135	0.091	3	1.97	0.015	0.06	2.5	0.08	4.6	0.3	<0.05	7	<0.5	<0.2
1171759	Soil	17	33	0.62	117	0.117	2	1.76	0.017	0.06	5.6	0.03	4.3	0.3	<0.05	6	<0.5	<0.2
1171764	Soil	14	35	0.59	110	0.115	2	1.64	0.020	0.05	3.4	0.05	3.7	0.1	<0.05	6	<0.5	<0.2
1171757	Soil	15	33	0.58	114	0.108	1	1.74	0.014	0.05	3.7	0.03	3.9	0.2	<0.05	6	<0.5	<0.2
1171758	Soil	12	36	0.64	134	0.117	2	1.94	0.016	0.06	4.5	0.04	3.9	0.2	<0.05	6	<0.5	<0.2
1171663	Soil	12	43	0.71	128	0.134	2	2.70	0.020	0.06	0.2	0.04	4.9	0.4	<0.05	7	<0.5	<0.2
1171661	Soil	9	38	0.59	103	0.107	2	2.39	0.016	0.06	0.2	0.06	3.6	0.3	<0.05	6	<0.5	<0.2
1171659	Soil	8	34	0.42	125	0.073	1	1.76	0.013	0.03	0.1	0.05	2.6	0.1	<0.05	7	<0.5	<0.2
1171660	Soil	8	37	0.52	72	0.083	1	3.20	0.015	0.06	0.2	0.06	3.7	0.2	<0.05	7	<0.5	<0.2
1171657	Soil	20	36	0.53	70	0.066	2	2.20	0.027	0.07	0.2	0.12	4.0	0.6	<0.05	6	<0.5	<0.2
1171656	Soil	21	37	0.53	70	0.066	2	2.19	0.028	0.07	0.3	0.13	4.1	0.6	<0.05	6	<0.5	<0.2
1171658	Soil	10	40	0.42	98	0.056	1	1.79	0.017	0.09	<0.1	0.12	2.4	0.3	0.09	8	<0.5	0.3
1171664	Soil	7	37	0.60	134	0.134	1	2.03	0.018	0.05	0.1	0.03	3.0	0.3	<0.05	8	<0.5	<0.2
1171655	Soil	10	34	0.65	83	0.051	1	2.95	0.036	0.12	0.2	0.06	4.5	0.4	<0.05	6	<0.5	<0.2
1171654	Soil	8	31	0.37	114	0.048	2	2.04	0.020	0.11	0.2	0.13	2.3	0.3	0.13	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	%	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
1171653	Soil	0.5	8.4	4.4	24	<0.1	3.9	3.3	134	1.23	7.4	0.2	1.0	<0.1	9	<0.1	0.2	0.2	32	0.10	0.039		
1171652	Soil	1.2	24.8	13.6	64	0.1	17.4	8.2	345	2.42	24.9	0.5	2.3	<0.1	22	0.4	0.7	0.3	76	0.15	0.065		
1171651	Soil	0.7	10.7	5.4	24	0.1	5.6	3.2	91	1.27	9.1	0.3	2.1	<0.1	14	0.5	0.3	0.2	40	0.11	0.048		
1171907	Soil	1.4	26.0	29.6	66	0.3	15.7	12.4	658	2.61	56.3	0.7	4.8	0.3	42	0.5	2.2	0.6	64	0.27	0.085		
1171908	Soil	1.4	15.4	12.2	34	0.2	8.1	5.1	188	1.57	36.2	0.6	2.0	0.3	25	0.5	0.7	0.4	44	0.19	0.044		
1171906	Soil	1.9	26.0	27.4	126	0.2	26.4	17.4	597	3.61	169.0	0.6	4.2	1.1	36	0.7	1.4	1.4	84	0.40	0.059		
1171909	Soil	1.4	27.7	28.9	76	0.2	18.2	10.7	441	3.10	156.2	1.7	4.9	1.8	49	0.5	4.0	1.4	66	0.25	0.063		
1171910	Soil	1.4	28.4	19.5	62	0.1	24.2	11.4	296	3.72	34.0	2.9	12.1	4.4	33	0.3	3.5	0.9	75	0.25	0.045		
1171619	Soil	1.3	21.7	20.3	29	0.4	13.6	5.0	145	1.87	198.5	0.6	4.9	1.4	26	0.2	2.4	0.3	61	0.22	0.027		
1171627	Soil	1.2	15.8	8.7	35	0.2	6.9	3.8	148	1.33	8.7	0.3	1.2	0.2	21	2.8	0.4	0.2	41	0.19	0.032		
1171626	Soil	1.1	19.4	8.8	65	0.3	11.1	5.9	268	1.51	6.8	0.3	0.9	0.1	23	1.4	0.4	0.2	43	0.19	0.041		
1171625	Soil	2.6	34.8	51.1	93	0.3	21.7	16.0	498	3.27	160.4	1.0	1.2	1.2	45	0.6	1.5	1.0	75	0.29	0.063		
1171624	Soil	1.3	14.7	13.3	39	0.2	10.0	4.8	156	2.05	43.6	0.5	1.4	0.9	17	0.3	0.5	0.6	60	0.14	0.030		
1171623	Soil	1.7	20.4	20.0	64	0.1	20.4	12.4	312	3.60	16.9	0.5	1.2	1.7	18	0.3	0.8	0.3	96	0.18	0.035		
1171622	Soil	1.2	45.4	60.2	49	0.4	31.7	17.2	398	3.15	82.2	3.0	5.8	6.1	55	0.2	4.1	0.6	82	0.47	0.065		
1171621	Soil	2.0	15.3	23.7	48	0.3	14.5	6.6	251	3.45	29.7	0.5	2.6	1.7	22	0.2	1.2	0.3	107	0.16	0.036		
1171620	Soil	0.6	29.0	20.1	54	0.2	48.9	15.5	326	2.56	41.8	1.6	15.0	3.5	87	0.4	4.5	0.3	74	1.07	0.080		
1176504	Soil	12.7	30.4	29.1	53	0.6	13.8	5.7	172	2.44	27.6	1.6	3.7	5.4	18	0.2	14.2	1.1	95	0.14	0.018		
1176503	Soil	10.4	33.0	52.9	105	0.5	20.2	10.7	589	3.30	56.8	5.8	5.3	16.5	38	0.6	16.0	1.0	89	0.43	0.090		
1176505	Soil	4.5	43.3	40.3	69	0.4	17.8	6.1	166	2.22	19.9	7.5	6.4	10.1	42	0.4	16.1	1.1	68	0.46	0.075		
1176506	Soil	4.3	48.4	47.6	80	0.7	20.4	10.4	370	2.79	31.6	5.7	25.6	13.8	42	0.6	15.1	2.0	77	0.33	0.065		
1176507	Soil	11.1	82.9	294.2	140	2.0	24.2	13.6	718	3.38	114.0	10.3	17.8	18.6	38	0.9	15.2	3.2	84	0.45	0.099		
1176509	Soil	9.0	89.5	39.2	91	0.7	29.4	15.3	681	3.48	23.6	9.0	3.8	17.1	43	0.5	2.5	1.9	87	0.45	0.103		
1176510	Soil	1.4	7.6	4.7	12	0.2	2.9	1.4	40	0.64	2.0	0.3	<0.5	0.3	7	<0.1	0.3	0.2	23	0.05	0.015		
1176508	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.	I.S.	I.S.
1176511	Soil	3.8	10.4	10.2	18	0.2	5.5	2.0	58	1.11	5.0	0.6	2.5	2.3	14	<0.1	0.5	0.3	38	0.07	0.022		
1176512	Soil	9.4	38.1	22.4	59	0.3	20.6	10.1	378	2.93	21.8	3.7	4.3	6.5	28	0.5	2.0	0.4	81	0.30	0.075		
1171602	Soil	1.0	13.5	9.8	50	0.3	7.7	3.9	153	1.85	31.1	0.3	2.2	0.2	14	0.3	0.4	0.6	46	0.13	0.032		
1171911	Soil	1.7	26.5	27.4	58	0.3	20.7	10.6	349	3.14	203.9	1.5	14.9	3.6	50	0.4	6.5	2.7	81	0.31	0.034		
1171915	Soil	1.4	16.6	31.1	63	0.1	20.2	11.2	388	3.39	36.4	0.5	2.3	0.6	42	0.4	0.8	0.4	79	0.33	0.072		

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Project: WLF
 Report Date: January 04, 2012

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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	
1171653	Soil	2	9	0.12	31	0.041	<1	0.59	0.019	0.02	<0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
1171652	Soil	6	25	0.20	129	0.035	<1	1.47	0.018	0.04	<0.1	0.06	1.1	0.2	<0.05	7	<0.5	<0.2
1171651	Soil	3	11	0.11	34	0.045	<1	0.52	0.015	0.02	<0.1	0.06	0.9	0.1	<0.05	3	<0.5	<0.2
1171907	Soil	9	27	0.42	111	0.041	4	1.90	0.021	0.05	0.2	0.09	1.7	0.3	0.08	6	<0.5	<0.2
1171908	Soil	6	16	0.18	52	0.053	<1	0.80	0.019	0.03	0.2	0.04	1.3	0.1	<0.05	4	<0.5	<0.2
1171906	Soil	9	39	0.52	133	0.080	2	2.41	0.016	0.04	0.2	0.07	3.1	0.2	<0.05	8	<0.5	<0.2
1171909	Soil	10	28	0.45	82	0.060	<1	2.03	0.017	0.04	0.3	0.10	2.2	0.3	0.07	6	<0.5	<0.2
1171910	Soil	15	38	0.65	84	0.106	1	2.38	0.016	0.05	0.3	0.03	4.7	0.2	<0.05	6	1.3	<0.2
1171619	Soil	7	38	0.27	66	0.083	1	1.04	0.014	0.05	0.2	0.03	1.9	0.2	<0.05	5	0.6	<0.2
1171627	Soil	3	12	0.11	66	0.039	<1	0.58	0.017	0.03	<0.1	0.05	0.9	<0.1	<0.05	4	<0.5	<0.2
1171626	Soil	5	16	0.14	87	0.041	<1	0.88	0.018	0.03	<0.1	0.05	1.0	<0.1	0.07	4	0.9	<0.2
1171625	Soil	9	31	0.40	140	0.071	2	2.10	0.021	0.05	0.1	0.07	2.9	0.2	<0.05	8	1.2	<0.2
1171624	Soil	5	21	0.21	71	0.070	<1	1.40	0.016	0.03	<0.1	0.04	1.8	0.1	<0.05	6	<0.5	<0.2
1171623	Soil	7	33	0.47	118	0.085	<1	2.55	0.012	0.03	0.1	0.04	3.1	0.1	<0.05	8	0.5	<0.2
1171622	Soil	24	61	0.65	148	0.074	3	2.38	0.022	0.07	0.2	0.06	4.6	0.2	<0.05	7	1.2	<0.2
1171621	Soil	6	35	0.30	81	0.100	1	1.86	0.016	0.04	0.1	0.03	2.4	0.1	<0.05	10	<0.5	<0.2
1171620	Soil	16	121	0.91	118	0.109	2	1.78	0.041	0.16	0.3	0.04	4.1	0.3	<0.05	6	0.5	<0.2
1176504	Soil	8	24	0.41	61	0.150	2	1.60	0.010	0.05	0.3	0.03	2.9	0.2	<0.05	10	<0.5	<0.2
1176503	Soil	19	36	0.71	109	0.086	<1	1.87	0.014	0.08	0.8	0.03	3.9	0.3	<0.05	7	0.7	<0.2
1176505	Soil	17	30	0.62	106	0.120	<1	1.72	0.021	0.06	0.8	0.04	3.7	0.2	<0.05	6	0.6	<0.2
1176506	Soil	18	35	0.60	96	0.115	<1	1.90	0.015	0.05	3.5	0.04	3.4	0.2	<0.05	6	0.7	<0.2
1176507	Soil	24	41	0.75	129	0.100	2	2.15	0.018	0.08	2.2	0.07	4.6	0.4	<0.05	8	<0.5	<0.2
1176509	Soil	19	44	0.83	149	0.133	1	2.24	0.016	0.11	1.1	0.04	4.8	0.3	<0.05	8	0.5	<0.2
1176510	Soil	2	6	0.05	26	0.034	<1	0.29	0.014	0.02	<0.1	0.02	0.6	<0.1	<0.05	2	0.6	<0.2
1176508	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.
1176511	Soil	4	16	0.13	32	0.063	<1	0.53	0.013	0.03	0.1	0.02	1.0	<0.1	0.05	4	<0.5	<0.2
1176512	Soil	14	37	0.55	103	0.102	1	1.82	0.015	0.06	0.3	0.03	2.9	0.1	<0.05	7	<0.5	<0.2
1171602	Soil	4	15	0.16	57	0.049	<1	0.93	0.015	0.03	<0.1	0.04	1.0	<0.1	<0.05	5	0.7	<0.2
1171911	Soil	15	36	0.58	77	0.108	<1	1.86	0.020	0.05	0.3	0.04	3.7	0.2	<0.05	5	<0.5	<0.2
1171915	Soil	7	32	0.46	107	0.066	1	2.30	0.013	0.04	0.2	0.07	2.0	<0.1	0.12	7	0.8	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			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
1176516	Soil		6.3	104.1	60.3	126	0.8	16.1	12.4	589	3.11	193.9	4.1	13.0	5.2	51	1.4	1.8	11.6	81	0.62	0.057
1171603	Soil		1.3	19.9	10.5	34	0.2	9.3	4.5	186	1.68	5.1	0.4	1.6	0.1	25	0.3	0.4	0.2	48	0.27	0.049
1176517	Soil		2.4	51.9	13.0	52	0.3	20.5	11.0	387	2.89	23.6	1.3	4.0	4.4	34	0.2	0.5	2.2	80	0.44	0.053
1176518	Soil		3.9	47.1	11.5	50	0.2	20.2	10.4	377	2.82	11.6	1.0	2.0	4.1	35	0.2	0.5	1.1	78	0.45	0.044
1176621	Soil		13.6	62.4	69.7	110	0.8	26.7	12.3	623	3.06	59.6	9.5	7.2	13.7	44	0.8	3.5	0.9	80	0.40	0.083
1176606	Soil		5.4	102.3	20.9	64	0.4	22.4	12.7	333	3.11	39.6	2.5	10.5	3.0	33	0.4	0.7	0.6	84	0.35	0.065
1176625	Soil		6.0	70.5	29.7	86	0.7	22.2	9.7	336	2.77	46.0	8.3	5.1	12.9	40	0.6	9.8	2.8	73	0.44	0.097
1176603	Soil		1.9	49.5	15.0	60	0.2	21.6	12.3	419	3.37	17.6	1.0	4.2	3.4	31	0.2	0.6	0.8	99	0.37	0.071
1176604	Soil		2.8	30.1	12.6	41	0.5	13.0	9.2	460	2.17	16.6	0.6	2.5	0.9	23	0.4	0.4	0.4	61	0.25	0.054
1172542	Soil		1.2	42.0	18.8	52	0.1	24.1	11.4	377	2.95	15.3	1.2	15.3	4.3	28	0.2	0.7	0.3	85	0.36	0.052
1172539	Soil		2.5	17.4	10.0	34	0.6	9.8	4.5	276	1.95	6.1	0.3	4.8	0.8	18	0.4	0.4	0.3	60	0.18	0.027
1172544	Soil		1.1	36.5	14.1	49	0.3	23.6	11.0	342	3.02	28.4	1.0	1.8	3.9	27	0.1	0.5	0.6	81	0.34	0.047
1172540	Soil		1.3	40.3	29.4	64	0.5	21.8	11.4	395	3.31	82.0	0.9	9.6	3.7	31	0.4	0.8	0.4	83	0.34	0.040
1176617	Soil		4.1	14.2	13.6	44	0.1	10.0	4.1	137	2.05	10.1	1.0	2.1	4.3	17	0.3	1.2	0.5	73	0.15	0.031
1176615	Soil		4.0	97.2	28.2	54	0.6	24.8	9.9	313	2.83	11.9	3.8	4.2	9.9	37	0.3	1.4	2.7	69	0.40	0.076
1176613	Soil		5.2	112.5	21.1	57	0.5	25.5	10.9	367	3.08	15.5	4.0	4.5	11.0	31	0.2	1.0	4.0	73	0.39	0.075
1176616	Soil		4.6	52.7	24.9	36	0.4	11.0	5.5	219	1.47	31.0	3.5	4.4	3.1	19	0.4	0.7	0.5	36	0.18	0.042
1176614	Soil		1.1	213.3	37.8	72	0.2	25.6	11.6	491	3.00	7.4	1.7	1.7	17.8	424	0.2	1.3	5.0	65	0.63	0.113
1176612	Soil		4.0	109.5	10.3	60	0.2	17.7	13.7	363	3.59	18.0	0.9	3.7	3.2	67	0.1	1.1	0.4	114	0.52	0.116
1176611	Soil		3.5	114.9	11.0	62	0.2	18.1	14.1	372	3.61	19.2	0.9	13.0	3.3	104	0.1	1.3	0.4	115	0.57	0.119
1171748	Soil		1.8	23.3	20.9	64	0.2	16.2	8.5	546	2.40	48.0	0.5	<0.5	0.2	42	0.7	0.7	1.0	66	0.38	0.083
1171745	Soil		1.2	21.3	15.2	51	<0.1	20.4	9.4	336	3.42	42.2	0.5	9.2	1.2	24	0.2	1.0	1.0	88	0.24	0.041
1171743	Soil		1.9	22.1	11.5	70	<0.1	18.4	10.8	577	3.36	11.7	0.5	2.3	0.6	23	0.2	0.7	0.3	84	0.19	0.049
1171744	Soil		1.5	22.6	12.4	44	0.2	16.5	6.9	243	2.92	25.9	0.6	4.7	0.5	28	0.4	0.7	0.6	76	0.26	0.046
1171746	Soil		1.0	19.9	8.3	36	<0.1	11.4	4.2	173	1.56	10.6	0.4	1.2	0.1	19	0.1	0.5	0.3	39	0.16	0.055
1171742	Soil		0.9	11.1	8.3	55	0.4	8.2	4.6	118	0.73	6.2	0.3	0.5	<0.1	76	2.2	0.4	0.2	17	0.88	0.123
1176618	Soil		10.7	61.3	37.2	47	0.9	15.3	3.3	89	1.55	38.6	10.4	4.8	2.7	42	0.4	2.3	1.1	31	0.52	0.074
1176602	Soil		2.2	31.6	16.5	72	0.6	17.1	18.4	997	3.17	14.5	0.6	3.7	1.2	25	0.8	0.6	0.5	75	0.28	0.062
1176601	Soil		1.6	35.6	19.6	64	0.2	24.5	12.8	486	3.36	20.1	0.9	3.0	3.4	34	0.3	0.7	0.5	87	0.38	0.054
1172541	Soil		2.0	23.1	11.1	82	0.3	17.9	10.1	390	3.12	9.0	0.4	2.3	1.3	22	0.7	0.5	0.3	77	0.28	0.046

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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
1176516	Soil	16	27	0.69	155	0.125	<1	2.21	0.025	0.12	12.4	0.03	4.8	0.3	<0.05	7	<0.5	<0.2
1171603	Soil	5	16	0.17	90	0.039	<1	0.90	0.017	0.03	<0.1	0.05	1.0	<0.1	0.06	5	0.6	<0.2
1176517	Soil	13	32	0.66	154	0.129	3	2.36	0.022	0.06	10.5	0.03	4.2	0.2	<0.05	7	0.7	<0.2
1176518	Soil	11	31	0.64	159	0.127	1	2.25	0.020	0.06	4.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
1176621	Soil	15	41	0.67	129	0.105	2	2.07	0.017	0.09	0.5	0.06	4.1	0.3	<0.05	8	0.6	<0.2
1176606	Soil	11	30	0.66	171	0.135	2	2.17	0.017	0.07	0.5	0.04	3.5	0.2	<0.05	7	0.5	<0.2
1176625	Soil	22	38	0.71	132	0.108	2	1.90	0.017	0.13	1.1	0.04	4.1	0.3	<0.05	7	0.9	<0.2
1176603	Soil	10	32	0.80	163	0.161	2	2.22	0.016	0.10	0.7	0.03	3.5	0.2	0.05	7	0.8	<0.2
1176604	Soil	6	20	0.34	126	0.073	<1	1.30	0.016	0.04	0.3	0.03	1.7	0.1	0.05	6	0.7	<0.2
1172542	Soil	13	37	0.68	151	0.127	<1	2.30	0.019	0.05	0.4	0.03	4.7	0.1	<0.05	6	<0.5	<0.2
1172539	Soil	5	16	0.22	80	0.074	1	0.94	0.014	0.04	0.4	0.03	1.4	<0.1	0.06	6	0.6	<0.2
1172544	Soil	12	36	0.70	153	0.116	1	2.53	0.017	0.05	1.0	0.02	4.4	0.1	0.05	7	0.7	<0.2
1172540	Soil	12	36	0.69	135	0.115	2	2.59	0.020	0.06	1.4	0.04	4.8	0.2	<0.05	7	<0.5	<0.2
1176617	Soil	6	28	0.21	59	0.121	1	0.74	0.011	0.05	0.3	0.03	1.3	0.1	<0.05	7	<0.5	<0.2
1176615	Soil	18	40	0.65	106	0.096	1	1.96	0.014	0.09	0.5	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
1176613	Soil	19	39	0.71	134	0.120	2	2.15	0.017	0.08	0.4	0.03	4.2	0.2	<0.05	7	<0.5	<0.2
1176616	Soil	11	17	0.24	57	0.055	<1	0.87	0.016	0.05	0.2	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1176614	Soil	28	50	1.09	149	0.105	<1	2.70	0.015	0.19	0.8	0.01	4.3	0.5	<0.05	7	<0.5	<0.2
1176612	Soil	11	43	1.15	256	0.257	2	2.04	0.018	0.35	0.4	0.01	4.2	0.6	<0.05	6	0.6	<0.2
1176611	Soil	11	42	1.19	276	0.259	1	2.08	0.020	0.38	0.3	0.01	4.5	0.6	<0.05	6	<0.5	<0.2
1171748	Soil	6	25	0.24	141	0.046	2	1.18	0.016	0.06	0.1	0.11	1.5	0.1	0.09	6	<0.5	<0.2
1171745	Soil	8	39	0.58	89	0.115	1	2.23	0.012	0.06	0.2	0.05	3.4	0.2	<0.05	7	<0.5	<0.2
1171743	Soil	7	33	0.47	127	0.074	1	1.73	0.012	0.04	<0.1	0.04	2.3	0.1	<0.05	8	<0.5	<0.2
1171744	Soil	8	31	0.31	138	0.060	1	1.92	0.011	0.04	0.1	0.03	2.2	0.1	<0.05	8	<0.5	<0.2
1171746	Soil	5	18	0.21	59	0.036	<1	0.97	0.020	0.03	<0.1	0.06	1.2	0.1	0.07	4	<0.5	<0.2
1171742	Soil	3	12	0.11	74	0.017	3	0.37	0.015	0.07	<0.1	0.28	0.6	0.2	0.24	1	1.1	<0.2
1176618	Soil	15	22	0.26	86	0.052	<1	1.19	0.014	0.04	0.2	0.07	2.4	0.2	0.07	5	<0.5	<0.2
1176602	Soil	7	29	0.39	118	0.092	<1	1.81	0.018	0.05	0.2	0.04	2.5	0.1	<0.05	7	<0.5	<0.2
1176601	Soil	10	37	0.77	172	0.152	<1	2.64	0.022	0.08	0.4	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
1172541	Soil	7	30	0.37	119	0.089	<1	1.92	0.017	0.05	0.2	0.02	2.7	0.1	<0.05	8	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000377.2

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	
1176624	Soil		4.9	21.9	30.1	71	0.3	16.7	9.0	427	2.89	36.3	2.3	1.7	13.6	22	0.4	7.8	0.5	68	0.25	0.068
1176623	Soil		5.3	22.7	29.3	60	0.3	13.4	4.5	171	2.09	20.2	3.4	2.4	7.7	24	0.4	5.8	0.8	53	0.19	0.051
1176622	Soil		6.0	34.4	35.0	58	0.8	13.3	4.6	160	1.70	18.6	6.2	2.9	4.4	44	0.5	3.3	0.7	39	0.27	0.059
1176620	Soil		6.0	15.2	14.6	44	0.1	11.2	5.5	290	2.12	15.5	0.7	0.9	3.6	16	0.3	1.0	0.3	59	0.15	0.032
1176619	Soil		49.3	40.4	32.8	79	0.6	24.1	13.3	605	2.98	47.9	6.3	2.5	11.6	39	0.4	4.3	0.9	96	0.50	0.080
1176605	Soil		2.2	53.1	16.8	53	0.3	21.4	11.5	323	3.25	47.7	1.3	4.7	3.3	28	0.2	0.6	0.6	85	0.32	0.045
1171732	Soil		1.2	16.0	23.3	37	0.2	12.8	7.0	336	1.69	14.2	1.8	8.1	0.5	77	0.4	1.0	0.2	42	0.80	0.087
1171741	Soil		2.2	26.8	57.8	83	0.4	20.5	15.2	599	3.20	108.8	1.4	3.9	1.2	75	0.4	1.9	0.9	77	0.36	0.088
1171736	Soil		1.0	9.8	21.1	42	<0.1	7.9	3.9	165	1.56	57.3	0.2	4.7	1.2	15	0.2	0.9	0.6	50	0.09	0.022
1171738	Soil		1.3	12.9	6.0	21	0.2	6.1	2.2	67	0.96	4.8	0.3	1.4	<0.1	16	0.2	0.3	0.1	26	0.13	0.068
1171739	Soil		1.9	18.5	44.4	111	0.4	13.2	9.2	419	2.72	41.4	0.5	7.0	0.6	47	1.3	1.8	1.0	73	0.25	0.067
1171737	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1171734	Soil		1.0	24.2	10.6	53	0.1	12.1	5.1	364	1.61	6.8	0.4	1.7	<0.1	22	0.4	0.4	0.2	42	0.16	0.069
1170001	Soil		1.6	19.7	23.8	61	<0.1	22.9	13.4	373	3.14	14.0	0.5	7.2	0.8	33	0.2	0.6	0.2	79	0.27	0.052
1170004	Soil		1.4	20.6	19.3	56	0.1	21.8	10.5	393	3.43	18.6	0.7	2.2	1.1	32	0.2	0.8	0.2	78	0.30	0.054
1170005	Soil		1.5	15.0	15.2	37	<0.1	10.6	5.1	188	2.52	16.2	0.5	1.6	1.2	20	0.2	0.7	0.2	68	0.15	0.035
1170003	Soil		0.7	7.3	4.9	24	<0.1	5.0	2.9	138	1.15	3.0	0.2	<0.5	0.2	13	0.1	0.2	0.1	35	0.11	0.023
1171735	Soil		0.9	12.4	6.8	25	0.1	5.4	1.9	51	0.86	2.8	0.3	1.4	<0.1	13	0.2	0.3	<0.1	28	0.08	0.046
1171733	Soil		1.2	23.9	15.7	41	0.1	12.4	6.3	603	1.83	7.5	0.8	0.8	0.1	30	0.5	0.8	0.2	45	0.18	0.096
1171750	Soil		1.3	26.0	11.0	66	0.1	16.1	8.0	604	1.96	5.4	0.4	0.9	<0.1	39	0.8	0.5	0.3	51	0.48	0.086
1171749	Soil		2.0	21.8	38.8	75	0.2	20.2	11.4	421	3.17	31.0	0.5	0.9	0.3	44	0.7	0.8	0.3	78	0.42	0.069
1171747	Soil		1.0	20.1	39.6	73	0.1	23.5	19.2	627	3.22	75.3	0.5	18.7	1.4	72	0.4	3.1	1.1	77	0.46	0.082
1176525	Soil		3.9	57.9	13.7	58	0.3	20.9	13.5	461	3.31	21.8	1.3	5.5	4.1	32	0.2	0.6	1.5	87	0.42	0.057
1176513	Soil		12.6	47.6	31.3	78	0.4	26.0	11.9	399	3.30	26.5	3.2	3.6	10.4	27	0.5	1.5	1.0	77	0.32	0.082
1176521	Soil		5.6	86.2	13.0	56	0.2	22.9	12.1	394	3.06	13.7	1.6	19.2	4.0	31	0.2	0.6	1.1	86	0.53	0.077
1176529	Soil		8.1	69.1	16.7	61	0.4	22.5	12.3	373	3.35	15.6	1.2	6.6	3.8	27	0.2	0.5	0.5	91	0.36	0.049
1176502	Soil		14.1	100.7	27.1	57	0.6	28.0	11.5	345	3.37	21.1	3.3	4.4	13.3	25	0.2	0.9	2.4	84	0.32	0.072
1176528	Soil		4.2	85.3	20.5	66	0.6	22.0	12.2	366	3.47	18.6	1.8	6.5	3.6	31	0.3	0.6	0.8	91	0.38	0.053
1176501	Soil		14.4	124.7	24.7	56	0.8	28.5	11.6	340	3.35	22.2	4.7	8.4	13.2	25	0.2	1.0	2.7	81	0.32	0.067
1176530	Soil		5.8	86.1	14.6	64	0.5	22.7	13.7	406	3.47	21.2	1.3	2.8	3.9	31	0.2	0.6	0.6	95	0.36	0.052

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Project: WLF
 Report Date: January 04, 2012

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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	
1176624	Soil	13	31	0.49	76	0.102	2	1.51	0.012	0.08	0.7	0.04	2.8	0.2	<0.05	7	<0.5	<0.2
1176623	Soil	13	35	0.46	62	0.086	2	1.21	0.015	0.09	0.6	0.03	2.5	0.3	<0.05	6	<0.5	<0.2
1176622	Soil	13	23	0.31	88	0.063	2	1.19	0.015	0.05	0.3	0.06	2.4	0.2	<0.05	5	<0.5	<0.2
1176620	Soil	5	22	0.22	66	0.099	1	1.00	0.013	0.04	0.2	0.04	1.7	0.1	<0.05	6	<0.5	<0.2
1176619	Soil	15	41	0.75	115	0.145	2	1.72	0.018	0.07	0.4	0.06	3.3	0.2	<0.05	7	<0.5	<0.2
1176605	Soil	10	33	0.65	150	0.143	<1	2.46	0.016	0.06	0.5	0.03	3.8	0.2	<0.05	8	<0.5	<0.2
1171732	Soil	9	21	0.29	157	0.036	2	1.23	0.018	0.04	0.2	0.07	2.0	<0.1	0.09	4	<0.5	<0.2
1171741	Soil	12	37	0.52	129	0.071	<1	2.25	0.020	0.07	0.2	0.10	3.4	0.2	<0.05	7	<0.5	<0.2
1171736	Soil	7	17	0.16	33	0.067	<1	0.60	0.013	0.04	0.1	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
1171738	Soil	3	12	0.05	48	0.027	<1	0.59	0.013	0.03	<0.1	0.13	0.9	<0.1	0.08	2	<0.5	<0.2
1171739	Soil	6	28	0.33	77	0.065	1	1.44	0.015	0.06	0.2	0.13	2.4	0.2	<0.05	7	<0.5	<0.2
1171737	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1171734	Soil	6	16	0.13	88	0.019	1	1.01	0.013	0.03	<0.1	0.08	0.5	<0.1	0.08	4	<0.5	<0.2
1170001	Soil	7	31	0.50	107	0.088	2	2.22	0.014	0.05	0.1	0.06	2.6	0.1	<0.05	7	<0.5	<0.2
1170004	Soil	8	31	0.41	135	0.067	<1	2.32	0.011	0.04	0.1	0.06	2.4	<0.1	<0.05	8	0.5	<0.2
1170005	Soil	6	22	0.22	67	0.073	<1	1.51	0.012	0.03	0.1	0.05	1.8	<0.1	<0.05	7	<0.5	<0.2
1170003	Soil	3	9	0.08	61	0.045	<1	0.45	0.013	0.02	<0.1	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
1171735	Soil	3	11	0.04	28	0.017	<1	0.38	0.012	0.03	<0.1	0.07	0.5	<0.1	<0.05	2	<0.5	<0.2
1171733	Soil	15	20	0.17	93	0.024	1	1.24	0.016	0.03	0.1	0.11	1.1	0.1	0.10	5	<0.5	<0.2
1171750	Soil	5	21	0.25	108	0.022	3	1.16	0.017	0.04	<0.1	0.11	0.7	<0.1	0.17	5	<0.5	<0.2
1171749	Soil	6	29	0.34	141	0.046	2	1.67	0.010	0.04	0.1	0.08	1.5	<0.1	0.13	7	<0.5	<0.2
1171747	Soil	9	36	0.68	125	0.057	2	2.32	0.014	0.09	0.4	0.08	2.9	0.3	<0.05	7	<0.5	<0.2
1176525	Soil	10	32	0.79	187	0.147	2	2.18	0.019	0.09	1.1	0.02	3.6	0.3	<0.05	8	<0.5	<0.2
1176513	Soil	12	40	0.63	116	0.107	2	2.16	0.012	0.07	0.4	0.04	3.2	0.2	<0.05	7	<0.5	<0.2
1176521	Soil	11	32	0.68	183	0.123	2	1.92	0.020	0.07	6.4	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
1176529	Soil	11	32	0.75	200	0.157	2	2.30	0.015	0.07	0.5	0.02	3.8	0.2	<0.05	8	<0.5	<0.2
1176502	Soil	13	47	0.74	123	0.136	3	2.32	0.015	0.09	0.9	0.03	3.5	0.2	<0.05	8	<0.5	<0.2
1176528	Soil	12	35	0.76	190	0.152	2	2.39	0.019	0.08	0.9	0.03	4.1	0.2	<0.05	8	<0.5	<0.2
1176501	Soil	13	46	0.68	131	0.127	2	2.35	0.015	0.07	0.7	0.04	3.9	0.2	<0.05	7	<0.5	<0.2
1176530	Soil	10	33	0.74	212	0.164	2	2.24	0.015	0.08	0.6	0.02	3.7	0.2	<0.05	8	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			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
1176531	Soil		7.0	69.1	22.5	70	0.4	21.8	11.9	429	3.20	33.6	1.1	6.2	3.4	30	0.3	0.7	1.2	93	0.39	0.061
1176532	Soil		3.8	38.2	14.2	51	0.2	23.1	10.2	312	2.78	13.7	1.0	6.8	3.8	26	0.2	0.6	0.4	87	0.26	0.053
1176533	Soil		17.3	194.5	44.2	79	1.1	32.7	12.0	476	3.40	55.1	7.2	15.4	24.4	61	0.3	2.1	2.7	84	0.58	0.082
1176527	Soil		4.8	72.4	20.5	59	0.6	20.2	11.4	348	3.09	21.0	1.7	6.8	2.8	24	0.3	0.6	2.1	81	0.32	0.053
1170007	Soil		2.9	27.2	17.1	39	0.4	13.0	5.4	153	1.63	17.7	2.2	5.7	1.3	42	0.4	1.4	0.5	37	0.49	0.069
1170002	Soil		1.9	19.3	11.5	45	<0.1	19.4	9.9	254	3.41	27.9	0.5	1.8	0.8	26	0.3	0.7	0.2	83	0.23	0.042
1170006	Soil		0.8	11.3	6.5	31	<0.1	7.4	4.0	216	1.56	8.3	0.3	0.7	0.3	10	0.1	0.4	0.1	45	0.09	0.022
1171740	Soil		2.4	27.7	54.1	85	0.3	20.8	16.6	655	3.26	110.9	1.5	5.4	1.2	86	0.4	2.0	0.9	82	0.43	0.096
1171604	Soil		1.2	20.7	9.1	39	0.2	11.9	6.6	270	1.71	8.9	0.4	0.6	0.1	43	0.8	0.4	0.3	44	0.54	0.053
1176520	Soil		15.3	43.2	11.3	47	0.4	17.4	8.5	264	2.82	12.0	1.2	4.3	2.4	19	0.1	0.5	0.7	80	0.28	0.043
1171605	Soil		1.5	18.3	13.7	37	0.3	14.2	7.8	287	2.51	48.0	0.7	1.4	0.8	50	0.5	0.7	0.2	63	0.40	0.050
1171606	Soil		1.7	21.8	50.0	66	0.3	22.8	15.6	940	3.28	56.2	1.3	1.7	3.0	90	0.7	1.5	0.3	74	0.61	0.070
1171601	Soil		1.1	17.3	14.9	83	0.2	10.9	6.0	283	1.74	63.6	0.4	1.1	0.1	28	2.3	0.6	0.8	45	0.28	0.063
1171914	Soil		1.8	15.9	14.0	34	0.1	9.4	6.3	315	2.05	23.0	0.4	1.4	0.4	18	0.4	0.8	0.4	71	0.17	0.034
1176519	Soil		2.9	40.6	14.0	56	0.4	20.8	10.6	369	3.13	14.0	1.3	6.0	3.4	23	0.4	0.5	0.5	83	0.32	0.047
1171607	Soil		1.7	20.8	24.3	46	0.2	15.5	9.2	317	3.01	26.5	0.9	2.6	2.4	36	0.2	1.1	0.3	80	0.23	0.035
1176522	Soil		2.4	61.0	15.5	60	0.4	25.9	13.2	417	3.34	18.2	1.1	8.1	3.5	23	0.2	0.7	0.5	92	0.33	0.044
1176524	Soil		8.3	39.5	14.5	49	0.3	18.9	13.8	444	2.93	18.7	1.1	5.2	3.1	27	0.6	0.6	0.6	80	0.35	0.065
1176523	Soil		1.7	26.7	11.6	45	0.4	14.6	9.9	409	2.13	6.5	0.7	1.7	1.5	22	0.5	0.4	0.3	57	0.27	0.044
1171913	Soil		1.1	19.4	18.3	55	<0.1	26.7	14.3	404	3.42	44.5	0.6	4.8	1.8	25	0.2	2.1	0.4	84	0.26	0.041
1171912	Soil		0.9	22.0	20.8	64	0.2	21.9	12.6	468	3.05	157.3	0.7	4.7	2.6	29	0.3	11.6	0.6	78	0.30	0.040
1171608	Soil		0.7	8.6	8.3	25	<0.1	7.2	3.8	146	1.52	13.1	0.3	6.5	0.3	17	0.2	0.4	0.1	43	0.16	0.025
1171609	Soil		1.0	11.8	23.1	27	0.2	7.3	3.3	79	1.41	47.8	0.7	3.2	0.7	28	0.2	1.3	0.2	45	0.18	0.031
1176526	Soil		5.0	69.1	18.1	56	0.7	19.4	12.2	335	3.01	22.2	2.0	7.8	4.0	34	0.2	0.6	2.6	82	0.38	0.048
1176609	Soil		4.3	105.3	16.1	59	0.5	25.1	12.9	396	3.27	15.6	2.2	5.6	4.5	33	0.2	0.5	0.9	97	0.40	0.060
1176610	Soil		6.9	108.1	12.8	64	0.3	22.3	12.0	347	3.27	16.1	1.9	8.0	4.7	40	0.1	0.7	1.3	95	0.48	0.077
1176608	Soil		2.2	100.3	19.5	68	0.4	22.4	13.4	491	3.35	19.4	1.6	11.0	4.0	42	0.4	0.6	0.8	92	0.48	0.068
1176607	Soil		2.6	80.4	22.6	58	0.7	17.6	10.8	378	2.80	16.3	1.1	6.7	2.7	35	0.3	0.6	1.7	73	0.33	0.050
1172543	Soil		2.5	26.5	11.0	35	0.2	13.3	6.7	189	2.37	22.3	0.6	1.5	2.0	19	0.2	0.5	0.6	57	0.23	0.033
1170533	Soil		1.3	48.8	44.5	64	0.4	24.1	8.9	282	2.82	153.1	1.9	11.5	6.2	21	0.5	9.1	1.7	66	0.36	0.056

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000377.2

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	
1176531	Soil	10	33	0.70	174	0.139	1	2.02	0.015	0.07	0.7	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
1176532	Soil	9	39	0.59	131	0.116	2	1.87	0.012	0.08	0.3	0.01	3.6	0.1	<0.05	7	<0.5	<0.2
1176533	Soil	27	56	0.87	109	0.139	2	2.40	0.017	0.12	0.5	0.04	5.2	0.3	<0.05	8	<0.5	<0.2
1176527	Soil	10	32	0.62	145	0.123	2	2.06	0.014	0.06	0.7	0.04	3.4	0.2	<0.05	7	<0.5	<0.2
1170007	Soil	8	26	0.32	98	0.057	1	1.15	0.017	0.04	0.3	0.05	2.4	0.1	0.11	5	<0.5	<0.2
1170002	Soil	7	32	0.36	137	0.081	2	1.98	0.011	0.04	0.1	0.05	2.2	<0.1	0.05	8	<0.5	<0.2
1170006	Soil	4	14	0.12	65	0.053	<1	0.76	0.018	0.02	<0.1	0.03	0.9	<0.1	<0.05	5	<0.5	<0.2
1171740	Soil	13	38	0.53	140	0.067	2	2.28	0.019	0.07	0.1	0.10	3.4	0.2	0.06	7	<0.5	<0.2
1171604	Soil	5	18	0.21	83	0.039	2	0.99	0.017	0.04	<0.1	0.05	1.1	<0.1	0.09	5	<0.5	<0.2
1176520	Soil	9	28	0.47	109	0.107	1	1.76	0.014	0.05	1.7	0.02	2.5	0.1	<0.05	7	<0.5	<0.2
1171605	Soil	7	24	0.28	153	0.061	1	1.71	0.015	0.04	0.2	0.06	1.9	<0.1	0.05	6	<0.5	<0.2
1171606	Soil	10	31	0.49	198	0.072	2	2.20	0.025	0.06	0.2	0.07	2.8	0.1	<0.05	8	<0.5	<0.2
1171601	Soil	4	16	0.18	89	0.034	2	0.77	0.013	0.05	<0.1	0.06	0.8	<0.1	0.08	4	<0.5	<0.2
1171914	Soil	7	22	0.18	106	0.055	<1	1.09	0.011	0.04	<0.1	0.04	1.5	0.2	0.05	7	<0.5	<0.2
1176519	Soil	12	33	0.57	150	0.108	2	2.19	0.016	0.05	5.1	0.02	3.5	0.1	<0.05	8	<0.5	<0.2
1171607	Soil	11	29	0.33	112	0.073	1	2.00	0.014	0.04	<0.1	0.05	2.5	0.1	<0.05	8	<0.5	<0.2
1176522	Soil	10	46	0.78	181	0.149	2	2.27	0.016	0.07	0.3	0.03	4.0	0.2	<0.05	7	<0.5	<0.2
1176524	Soil	9	29	0.58	176	0.135	<1	1.93	0.018	0.08	0.5	0.02	2.8	0.2	<0.05	7	<0.5	<0.2
1176523	Soil	8	22	0.41	117	0.093	1	1.49	0.022	0.05	0.2	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
1171913	Soil	8	40	0.63	116	0.104	2	2.72	0.017	0.07	0.2	0.06	3.2	0.2	<0.05	7	<0.5	<0.2
1171912	Soil	10	38	0.63	109	0.111	2	2.12	0.019	0.08	0.2	0.08	3.8	0.6	<0.05	6	<0.5	<0.2
1171608	Soil	3	12	0.15	64	0.054	<1	0.74	0.017	0.03	<0.1	0.03	0.8	<0.1	<0.05	5	<0.5	<0.2
1171609	Soil	6	17	0.16	55	0.059	2	0.87	0.013	0.04	0.1	0.04	1.4	<0.1	<0.05	5	<0.5	<0.2
1176526	Soil	11	29	0.63	188	0.158	2	2.22	0.021	0.07	0.7	0.03	3.2	0.3	<0.05	7	<0.5	<0.2
1176609	Soil	11	35	0.70	198	0.159	2	2.25	0.018	0.08	0.5	0.04	4.1	0.2	<0.05	7	<0.5	<0.2
1176610	Soil	13	34	0.85	227	0.174	2	2.22	0.020	0.10	0.6	0.03	5.1	0.2	<0.05	7	0.6	<0.2
1176608	Soil	12	35	0.76	153	0.161	5	2.16	0.022	0.09	0.8	0.02	4.3	0.2	<0.05	7	0.7	<0.2
1176607	Soil	9	28	0.56	132	0.120	8	1.88	0.017	0.06	1.5	0.04	3.0	0.2	<0.05	6	<0.5	<0.2
1172543	Soil	9	27	0.39	109	0.090	8	1.64	0.017	0.04	0.5	0.03	2.7	0.1	<0.05	6	0.9	<0.2
1170533	Soil	10	34	0.65	83	0.123	6	1.91	0.021	0.06	2.3	0.04	3.5	0.1	<0.05	5	1.0	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000377.2

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	
1170511	Soil	1.8	22.8	13.1	35	0.4	11.9	4.4	141	1.49	180.6	0.8	26.2	0.2	19	0.8	2.5	3.6	46	0.22	0.106
1170531	Soil	0.9	57.3	10.9	59	0.2	25.1	11.6	522	3.01	63.7	1.5	8.5	4.6	21	0.2	1.4	2.7	91	0.34	0.063
1170532	Soil	3.6	63.1	37.6	73	0.4	25.8	12.8	526	3.38	146.7	1.8	17.7	5.9	23	0.5	6.3	1.2	98	0.33	0.052
1170534	Soil	2.1	23.3	20.5	43	0.3	16.4	7.6	279	3.07	34.4	1.0	1.9	1.5	19	0.3	1.6	1.0	88	0.20	0.040
1170517	Soil	1.0	33.2	16.6	65	0.3	36.6	11.2	283	2.82	108.8	1.0	14.5	3.5	24	0.4	2.2	0.9	80	0.36	0.071
1170516	Soil	0.3	14.4	5.7	11	0.4	6.0	1.8	55	0.50	11.5	0.6	3.8	<0.1	10	0.4	0.4	0.1	16	0.10	0.040
1170514	Soil	1.4	27.2	9.9	56	0.5	17.8	6.6	590	1.45	50.5	0.6	1.1	0.3	34	2.0	1.1	0.3	47	0.42	0.056
1170515	Soil	1.2	34.4	32.1	74	0.7	34.0	12.2	408	3.28	263.6	1.1	22.5	3.2	20	0.6	4.2	1.3	82	0.26	0.055
1170518	Soil	1.1	28.7	12.8	55	0.2	27.2	11.0	235	2.98	26.9	1.1	5.8	2.5	24	0.2	0.9	0.3	77	0.34	0.073
1170513	Soil	1.4	22.0	11.1	70	0.6	27.3	12.0	339	3.58	71.4	0.6	7.2	1.7	17	0.7	1.2	0.3	80	0.20	0.047
1170521	Soil	3.0	58.2	12.7	57	0.1	28.9	13.9	449	3.27	20.1	1.9	4.2	7.9	24	0.3	0.9	0.6	75	0.27	0.053
1170520	Soil	1.3	29.5	19.3	63	<0.1	34.9	13.1	357	3.34	17.4	2.3	2.2	6.7	32	0.2	1.1	0.4	90	0.29	0.072
1170519	Soil	1.0	40.0	21.8	79	0.2	58.0	20.4	448	3.91	17.9	1.6	6.7	8.0	71	0.2	0.7	0.4	121	0.51	0.113
1170508	Soil	1.4	79.6	19.6	57	0.4	85.7	15.5	281	2.41	39.1	0.8	5.4	0.4	68	0.7	1.6	0.4	73	0.61	0.085
1170509	Soil	3.0	62.4	34.3	94	0.8	43.9	26.0	662	3.49	366.6	1.6	22.3	1.4	46	0.8	4.7	2.3	96	0.30	0.083
1170507	Soil	1.7	62.5	30.1	107	0.4	69.7	21.1	517	2.87	199.9	1.0	13.2	0.9	82	0.6	3.9	1.6	71	0.49	0.083
1170510	Soil	3.0	77.9	125.7	147	1.3	69.7	25.9	638	4.14	1554	2.2	144.3	3.9	38	1.2	27.4	11.8	92	0.61	0.096
1170505	Soil	1.5	31.7	61.5	81	0.6	27.3	26.7	703	3.07	311.5	0.9	6.8	0.5	72	0.5	2.0	1.6	80	1.00	0.115
1170506	Soil	1.1	92.9	50.1	31	0.7	17.5	30.9	403	3.49	185.4	0.5	8.3	0.2	54	0.3	1.7	1.3	69	1.08	0.132
1170504	Soil	1.3	53.5	19.2	34	0.4	15.8	8.0	190	1.87	39.5	1.1	2.7	0.2	38	0.6	0.8	0.4	53	0.50	0.093
1170503	Soil	0.8	16.8	7.4	34	0.2	9.0	4.4	130	0.93	8.4	0.6	4.5	<0.1	36	1.5	0.4	0.1	30	0.36	0.113
1170501	Soil	1.3	52.2	41.6	62	0.5	35.4	25.3	588	3.84	341.9	1.1	3.9	1.2	81	0.2	4.3	0.5	107	1.22	0.077
1170502	Soil	1.2	59.0	25.3	57	0.4	28.2	27.1	683	3.17	216.5	1.4	9.9	1.1	56	0.2	2.7	0.4	88	0.68	0.094
1170528	Soil	3.3	134.2	78.1	90	1.0	28.0	12.6	530	3.41	385.2	5.1	22.6	10.8	26	0.7	18.0	19.7	80	0.39	0.061
1170530	Soil	0.8	15.1	6.0	34	0.1	6.2	4.4	227	1.53	4.3	0.5	4.3	0.3	11	0.2	0.4	0.2	38	0.11	0.034
1170526	Soil	1.3	14.6	5.2	22	0.2	5.8	2.9	78	1.20	4.4	0.6	0.9	0.3	9	0.2	0.3	0.3	29	0.09	0.022
1170525	Soil	8.6	76.6	70.7	68	0.6	27.8	12.5	415	3.45	115.2	9.5	10.4	11.4	22	0.3	6.8	3.0	80	0.34	0.066
1170527	Soil	3.7	30.5	24.9	55	0.2	17.8	7.4	287	2.76	66.8	1.4	5.8	1.6	17	0.4	3.8	1.8	69	0.18	0.054
1170529	Soil	1.6	36.5	17.9	45	0.2	15.7	7.1	239	2.31	34.4	1.3	8.1	1.7	19	0.3	19.1	2.0	65	0.26	0.040
1170512	Soil	2.0	29.9	31.9	80	0.6	24.9	10.5	449	3.03	763.3	0.7	11.1	0.8	18	1.1	10.4	0.5	66	0.19	0.064

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Project: WLF
 Report Date: January 04, 2012

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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	
1170511	Soil	5	24	0.19	81	0.032	12	0.68	0.013	0.09	0.1	0.16	1.3	0.2	<0.05	3	1.0	<0.2
1170531	Soil	11	33	0.71	115	0.125	10	1.98	0.020	0.07	1.2	0.07	3.7	0.2	<0.05	5	0.5	<0.2
1170532	Soil	11	37	0.67	122	0.124	14	2.12	0.020	0.07	1.8	0.08	4.0	0.2	<0.05	6	<0.5	<0.2
1170534	Soil	9	29	0.32	145	0.075	9	1.83	0.011	0.04	0.2	0.08	2.5	<0.1	<0.05	8	<0.5	<0.2
1170517	Soil	10	63	0.89	173	0.138	11	2.29	0.019	0.11	0.2	0.06	4.2	0.2	<0.05	6	0.6	<0.2
1170516	Soil	3	7	0.06	39	0.013	8	0.36	0.017	0.02	<0.1	0.05	0.3	<0.1	<0.05	1	<0.5	<0.2
1170514	Soil	5	26	0.19	131	0.043	7	0.66	0.015	0.06	0.1	0.07	1.1	0.1	<0.05	4	<0.5	<0.2
1170515	Soil	10	66	0.76	113	0.113	7	2.20	0.014	0.08	0.2	0.07	3.7	0.2	<0.05	7	<0.5	<0.2
1170518	Soil	12	47	0.79	147	0.106	7	2.25	0.015	0.06	0.2	0.05	4.0	0.2	<0.05	7	0.6	<0.2
1170513	Soil	8	39	0.61	108	0.091	7	2.87	0.012	0.05	0.2	0.07	3.5	0.1	<0.05	8	0.7	<0.2
1170521	Soil	11	36	0.73	136	0.109	5	3.04	0.019	0.05	0.9	0.05	4.1	0.2	<0.05	6	0.6	<0.2
1170520	Soil	12	126	1.02	164	0.163	4	2.50	0.016	0.16	0.2	0.03	4.1	0.4	<0.05	7	0.5	<0.2
1170519	Soil	18	196	1.77	604	0.335	4	2.54	0.022	0.71	0.2	0.02	4.9	0.9	<0.05	8	<0.5	<0.2
1170508	Soil	6	147	0.98	114	0.079	6	1.92	0.028	0.08	0.1	0.08	3.6	0.5	0.11	6	1.2	<0.2
1170509	Soil	10	57	0.87	196	0.081	6	2.40	0.019	0.17	0.2	0.08	5.0	0.4	<0.05	7	1.2	<0.2
1170507	Soil	8	109	1.04	148	0.075	5	2.09	0.039	0.10	0.1	0.07	3.8	0.4	0.06	6	0.8	<0.2
1170510	Soil	14	56	0.84	215	0.085	4	1.85	0.022	0.17	0.3	0.05	5.4	0.4	<0.05	6	1.2	0.4
1170505	Soil	7	37	0.54	112	0.058	5	1.74	0.026	0.10	0.3	0.13	3.0	0.3	0.05	6	0.6	<0.2
1170506	Soil	5	23	0.28	36	0.043	3	1.90	0.022	0.07	0.2	0.10	2.6	0.5	0.16	5	1.4	<0.2
1170504	Soil	10	29	0.23	85	0.045	3	1.34	0.015	0.05	0.1	0.14	2.5	0.2	0.11	5	1.2	<0.2
1170503	Soil	4	15	0.09	81	0.015	2	0.59	0.017	0.06	0.1	0.20	0.7	<0.1	0.10	2	0.8	<0.2
1170501	Soil	10	56	0.86	151	0.080	3	2.30	0.029	0.14	0.1	0.08	6.8	0.5	0.10	7	0.8	<0.2
1170502	Soil	11	43	0.62	159	0.088	<1	2.08	0.025	0.09	0.1	0.13	5.3	0.3	0.06	7	0.8	<0.2
1170528	Soil	14	35	0.61	145	0.099	2	2.08	0.021	0.06	6.5	0.06	3.6	0.1	<0.05	6	1.2	<0.2
1170530	Soil	5	12	0.17	50	0.050	<1	0.89	0.023	0.02	<0.1	0.05	1.0	<0.1	<0.05	4	<0.5	<0.2
1170526	Soil	4	10	0.11	44	0.039	<1	0.54	0.023	0.02	<0.1	0.02	0.8	<0.1	<0.05	4	0.6	<0.2
1170525	Soil	18	38	0.69	114	0.115	1	2.25	0.018	0.08	1.5	0.05	4.4	0.3	<0.05	7	0.9	<0.2
1170527	Soil	7	29	0.29	105	0.070	<1	1.50	0.013	0.04	0.8	0.06	2.0	0.1	<0.05	7	0.5	<0.2
1170529	Soil	7	25	0.32	88	0.088	<1	1.18	0.019	0.04	2.1	0.04	2.1	0.1	0.06	5	<0.5	<0.2
1170512	Soil	8	35	0.38	91	0.065	2	1.70	0.012	0.05	0.1	0.07	2.4	0.1	<0.05	7	1.1	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000377.2

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	
1170524	Soil	9.0	128.2	44.7	67	1.5	19.6	9.7	301	2.90	133.9	10.5	16.5	5.4	34	0.5	10.6	2.1	63	0.34	0.100
1170523	Soil	6.3	54.8	32.2	62	0.4	23.9	9.6	227	2.81	63.0	4.8	17.3	8.7	22	0.2	6.2	1.8	72	0.36	0.082
1170522	Soil	2.1	26.7	17.3	26	0.3	9.4	3.2	103	1.49	10.9	1.7	3.4	0.8	15	0.3	0.6	0.4	38	0.12	0.048
1202376	Soil	1.3	22.4	16.2	37	0.2	16.6	7.0	450	2.25	9.1	0.4	1.7	0.5	46	0.5	0.5	0.3	62	0.45	0.054
1202378	Soil	1.3	30.2	19.3	63	0.4	29.5	14.7	460	3.59	13.7	0.7	4.6	3.2	29	0.4	0.7	0.3	90	0.31	0.030
1202377	Soil	1.3	22.9	14.6	56	0.2	30.7	13.8	423	3.64	14.5	0.5	3.4	2.5	28	0.4	0.6	0.2	88	0.28	0.028
1202375	Soil	0.8	22.4	10.1	51	<0.1	29.3	12.8	338	3.23	13.1	0.5	2.3	2.6	24	0.1	0.6	0.2	78	0.29	0.029
1202379	Soil	1.2	14.1	19.4	52	0.3	18.6	8.7	416	2.75	10.0	0.4	4.3	1.4	28	0.6	0.6	0.2	73	0.28	0.026
1202380	Soil	2.1	14.0	36.5	59	0.4	13.0	6.4	241	2.60	9.0	0.4	5.1	1.3	22	1.0	0.9	0.5	73	0.26	0.029
1202381	Soil	1.9	49.1	61.4	68	0.8	19.9	10.4	625	2.50	26.8	6.9	8.3	2.4	77	0.8	2.5	1.0	67	1.15	0.086
1202382	Soil	1.2	18.9	15.8	56	0.2	21.6	10.9	369	3.28	10.1	0.4	1.5	1.8	26	0.4	0.6	0.2	87	0.31	0.024
1202370	Soil	1.4	17.1	11.4	29	0.2	9.3	3.8	173	1.94	5.6	0.4	3.2	0.7	31	0.3	0.4	0.3	63	0.29	0.038
1202373	Soil	0.9	15.0	6.3	28	<0.1	9.1	4.4	267	1.69	4.8	0.3	2.2	0.5	26	0.2	0.3	0.1	42	0.27	0.034
1202374	Soil	1.8	31.7	15.5	50	0.3	17.8	16.2	1041	2.76	10.1	1.1	3.9	1.2	44	0.6	0.6	0.2	63	0.43	0.083
1202372	Soil	1.0	14.8	9.0	41	<0.1	17.9	7.2	220	2.73	11.6	0.4	3.9	1.2	21	0.2	0.4	0.1	68	0.24	0.037
1202371	Soil	1.6	16.3	10.3	37	0.1	10.2	5.1	217	2.43	7.5	0.4	2.3	0.7	24	0.4	0.4	0.2	67	0.25	0.036
1202492	Soil	1.2	16.9	32.1	61	0.2	16.8	8.0	264	2.45	14.1	1.0	7.7	1.2	30	0.5	0.8	0.3	81	0.34	0.064
1202291	Soil	0.5	11.4	22.8	37	0.2	10.3	3.9	123	1.34	6.2	0.8	6.5	0.6	25	0.3	0.7	0.5	27	0.28	0.057
1202368	Soil	2.2	25.2	12.3	51	0.2	15.6	8.0	511	2.26	24.3	1.0	1.8	1.1	31	0.6	1.1	0.3	60	0.40	0.054
1202293	Soil	1.0	12.3	10.3	21	0.1	4.7	1.9	63	1.01	3.3	0.3	1.6	0.2	11	0.1	0.3	0.2	40	0.09	0.030
1202295	Soil	1.6	14.1	10.2	42	<0.1	14.7	7.6	268	3.57	11.7	0.4	1.6	1.4	20	0.1	0.5	0.2	91	0.21	0.037
1202193	Soil	2.5	36.8	13.9	55	0.5	22.1	9.0	370	2.97	27.7	1.1	3.6	3.0	32	0.4	1.4	0.3	76	0.39	0.035
1202294	Soil	1.3	15.8	23.2	48	<0.1	15.7	7.5	309	3.46	16.0	0.5	29.3	2.1	20	0.1	1.5	0.4	105	0.24	0.043
1202296	Soil	0.5	8.7	5.5	18	<0.1	5.3	4.2	212	0.99	4.3	0.5	1.7	0.2	16	<0.1	0.3	<0.1	26	0.16	0.038
1202297	Soil	0.9	18.7	11.9	57	0.1	20.6	10.8	420	2.82	12.1	0.7	5.7	1.7	36	0.3	0.6	0.2	77	0.40	0.062
1202491	Soil	0.7	13.4	22.9	51	0.2	13.6	5.5	137	1.83	8.9	0.8	8.9	0.8	27	0.3	0.7	0.3	41	0.31	0.058
1202195	Soil	5.2	29.1	16.1	67	0.5	19.7	9.2	828	2.64	34.1	1.3	1.2	2.0	40	1.5	1.6	0.3	64	0.48	0.039
1202194	Soil	2.2	31.7	15.6	62	0.3	26.2	10.3	408	3.57	52.1	1.0	4.8	4.5	33	0.4	2.3	0.2	86	0.42	0.032
1202450	Soil	0.6	13.6	23.9	44	0.3	12.7	4.7	149	1.50	8.1	1.1	6.3	0.7	29	0.5	0.7	0.4	30	0.34	0.061
1202386	Soil	1.3	22.8	15.2	18	0.8	5.4	1.9	44	0.91	7.5	5.6	3.2	0.2	20	0.6	1.8	0.4	15	0.24	0.076

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000377.2

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
1170524	Soil	17	30	0.50	118	0.076	2	1.79	0.016	0.07	0.7	0.06	3.8	0.2	0.10	6	1.1	<0.2
1170523	Soil	14	38	0.69	141	0.095	2	2.27	0.015	0.05	0.6	0.05	3.7	0.2	<0.05	7	<0.5	<0.2
1170522	Soil	7	15	0.18	60	0.044	1	0.86	0.018	0.03	0.1	0.04	1.1	0.1	<0.05	5	<0.5	<0.2
1202376	Soil	5	24	0.32	177	0.064	2	1.23	0.019	0.04	0.2	0.07	1.6	<0.1	0.05	6	<0.5	<0.2
1202378	Soil	8	45	0.70	163	0.116	2	3.00	0.019	0.05	0.1	0.03	3.6	0.1	<0.05	8	<0.5	<0.2
1202377	Soil	8	41	0.67	168	0.112	2	2.90	0.016	0.06	0.1	0.03	3.3	0.1	<0.05	7	<0.5	<0.2
1202375	Soil	8	39	0.81	160	0.125	2	2.91	0.021	0.06	0.1	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
1202379	Soil	5	28	0.46	156	0.090	<1	1.92	0.018	0.04	0.1	0.03	2.1	<0.1	<0.05	7	<0.5	<0.2
1202380	Soil	6	25	0.34	89	0.089	2	1.49	0.017	0.05	0.3	0.03	1.9	0.1	<0.05	7	<0.5	<0.2
1202381	Soil	27	33	0.56	211	0.077	3	2.06	0.028	0.07	0.3	0.06	4.6	0.1	0.06	6	<0.5	<0.2
1202382	Soil	6	36	0.54	137	0.106	<1	2.26	0.018	0.04	0.1	0.01	2.5	0.1	<0.05	8	<0.5	<0.2
1202370	Soil	7	19	0.17	130	0.050	<1	1.26	0.013	0.03	<0.1	0.05	1.5	0.1	<0.05	7	<0.5	<0.2
1202373	Soil	4	15	0.22	89	0.054	1	0.84	0.020	0.04	0.1	0.03	1.1	<0.1	<0.05	5	<0.5	<0.2
1202374	Soil	13	32	0.49	134	0.072	2	2.18	0.027	0.06	0.1	0.08	3.1	0.1	<0.05	6	<0.5	<0.2
1202372	Soil	6	27	0.44	128	0.085	2	1.93	0.017	0.05	0.1	0.04	2.4	<0.1	<0.05	7	<0.5	<0.2
1202371	Soil	5	21	0.22	106	0.066	<1	1.31	0.019	0.03	0.1	0.04	1.5	0.1	<0.05	7	<0.5	<0.2
1202492	Soil	9	31	0.48	132	0.088	2	1.66	0.021	0.05	0.2	0.04	2.8	0.2	<0.05	7	<0.5	<0.2
1202291	Soil	8	22	0.29	80	0.071	3	1.17	0.018	0.04	0.2	0.07	2.1	0.1	0.06	5	<0.5	<0.2
1202368	Soil	8	26	0.45	135	0.070	2	1.53	0.020	0.06	0.2	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
1202293	Soil	4	12	0.09	50	0.050	<1	0.56	0.016	0.03	<0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1202295	Soil	6	29	0.37	110	0.115	2	1.65	0.013	0.04	0.1	0.03	2.4	<0.1	<0.05	9	<0.5	<0.2
1202193	Soil	11	34	0.59	162	0.103	2	2.12	0.021	0.06	0.3	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
1202294	Soil	8	36	0.41	81	0.148	2	1.55	0.014	0.05	0.8	0.06	2.8	0.1	<0.05	9	<0.5	<0.2
1202296	Soil	4	11	0.18	44	0.039	<1	0.66	0.026	0.03	<0.1	0.04	1.1	<0.1	<0.05	3	<0.5	<0.2
1202297	Soil	9	37	0.58	131	0.107	2	2.11	0.023	0.07	0.2	0.04	3.2	0.1	<0.05	7	<0.5	<0.2
1202491	Soil	9	26	0.40	103	0.077	2	1.36	0.020	0.04	0.2	0.06	2.4	0.2	<0.05	6	<0.5	<0.2
1202195	Soil	12	29	0.50	225	0.081	2	1.84	0.021	0.10	0.2	0.04	3.4	0.3	<0.05	7	<0.5	<0.2
1202194	Soil	11	45	0.76	197	0.133	2	2.80	0.020	0.08	0.5	0.03	4.4	0.3	<0.05	8	<0.5	<0.2
1202450	Soil	9	23	0.34	92	0.072	2	1.30	0.018	0.05	0.2	0.07	2.5	0.1	0.07	5	<0.5	<0.2
1202386	Soil	9	13	0.12	57	0.019	2	0.65	0.016	0.03	0.3	0.07	0.6	0.2	0.07	3	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

Page: 9 of 12 Part 1

CERTIFICATE OF ANALYSIS

DAW11000377.2

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	
1202385	Soil	1.8	26.2	31.0	53	0.3	17.8	7.8	226	2.43	17.6	1.7	2.3	2.3	35	0.8	1.0	0.5	70	0.42	0.041
1202497	Soil	1.4	14.2	11.1	43	0.1	13.4	6.2	287	3.12	10.8	0.4	5.7	1.1	25	0.2	0.5	0.2	81	0.27	0.039
1202369	Soil	1.2	11.1	7.6	22	<0.1	7.6	3.1	80	1.70	5.4	0.3	1.6	0.5	17	0.1	0.3	0.1	56	0.18	0.028
1202383	Soil	1.0	19.9	12.1	53	0.3	22.5	13.0	946	3.18	8.0	0.5	1.1	1.8	31	0.5	0.5	0.3	87	0.41	0.037
1202384	Soil	1.8	21.5	20.1	69	0.3	22.0	12.1	492	3.28	13.4	0.8	4.4	2.3	25	0.4	0.7	0.3	84	0.33	0.038
1166475	Soil	1.8	13.7	10.6	34	<0.1	7.9	4.4	256	1.75	5.9	0.4	1.7	0.4	21	0.2	0.4	0.2	52	0.12	0.037
1166474	Soil	1.8	17.8	23.6	55	0.3	10.6	5.9	319	1.58	6.2	0.4	4.6	0.3	67	1.8	0.5	0.4	43	0.40	0.057
1166477	Soil	0.9	14.9	5.1	28	<0.1	6.9	3.6	177	1.14	3.1	0.4	1.9	0.1	14	0.3	0.3	0.2	30	0.13	0.048
1166476	Soil	1.7	12.8	18.1	34	0.2	8.8	4.0	185	1.45	10.5	0.5	3.2	0.4	30	0.4	0.5	0.7	41	0.15	0.033
1166473	Soil	1.2	14.3	8.6	31	0.1	7.0	3.3	109	1.27	5.2	0.3	1.7	0.2	18	0.6	0.3	0.2	36	0.12	0.047
1166472	Soil	1.3	23.1	35.5	55	0.1	15.5	13.8	601	2.75	30.8	0.7	42.1	1.5	110	0.2	2.5	0.6	70	0.68	0.086
1166471	Soil	3.7	40.1	37.8	55	0.5	20.3	15.6	539	3.13	71.7	1.1	4.7	0.8	110	0.4	2.1	0.8	73	0.58	0.100
1166470	Soil	1.4	15.7	6.8	32	0.1	8.4	4.2	166	1.36	6.0	0.3	2.1	0.1	41	0.4	0.4	0.2	40	0.35	0.057
1166469	Soil	1.5	26.7	24.2	59	0.2	20.9	18.7	504	3.42	30.0	1.2	9.1	2.2	47	0.3	2.1	1.4	78	0.37	0.053
1166468	Soil	1.0	32.0	21.1	61	0.2	23.8	9.2	246	3.61	30.8	2.1	11.3	4.6	51	0.2	2.0	1.1	76	0.44	0.034
1166452	Soil	1.8	16.2	14.6	48	0.2	17.0	5.6	356	2.31	38.5	0.5	2.4	1.2	19	0.1	1.5	0.2	75	0.18	0.037
1166454	Soil	1.4	20.4	18.3	57	0.2	25.3	10.4	726	2.94	36.4	0.5	2.0	1.0	30	0.3	1.3	0.2	82	0.31	0.047
1166453	Soil	1.3	35.4	27.5	49	0.3	31.8	15.1	531	2.72	56.2	1.2	2.0	2.4	28	0.3	2.3	0.3	71	0.33	0.062
1166456	Soil	1.1	18.0	8.9	64	0.1	19.7	6.4	433	1.83	36.1	0.5	1.1	0.6	31	0.4	0.9	0.2	51	0.36	0.046
1166455	Soil	1.0	13.4	4.9	23	0.1	7.8	3.3	160	1.07	4.2	0.3	3.1	0.1	22	0.5	0.3	0.1	31	0.26	0.052
1166457	Soil	1.8	18.7	15.4	58	0.1	18.6	8.8	330	2.86	25.5	0.6	2.1	0.9	18	0.2	0.7	0.2	71	0.15	0.049
1166458	Soil	1.4	15.0	10.4	39	0.2	8.3	4.0	146	1.63	18.4	0.3	0.6	0.3	20	0.7	0.5	0.3	47	0.17	0.038
1166459	Soil	1.8	27.1	18.8	89	0.2	29.4	14.8	287	3.83	36.6	0.5	1.7	2.1	18	0.5	1.2	0.3	78	0.18	0.029
1166460	Soil	1.5	25.3	19.6	81	0.2	18.4	9.6	674	2.17	71.4	0.5	1.7	0.2	51	1.1	1.0	0.4	50	0.46	0.084
1166461	Soil	1.1	21.0	29.3	50	0.4	10.6	5.3	96	1.34	47.5	0.6	7.3	0.3	32	1.1	1.2	0.8	35	0.26	0.066
1166462	Soil	1.1	9.3	6.5	21	0.2	5.3	2.7	67	1.02	12.2	0.3	0.9	0.1	13	1.0	0.3	0.2	27	0.08	0.031
1166463	Soil	1.0	9.4	8.0	28	0.2	4.5	2.9	160	1.08	25.7	0.5	1.4	0.1	22	0.5	0.5	0.3	28	0.14	0.035
1166478	Soil	1.0	15.8	37.9	71	0.3	16.2	10.4	353	2.83	54.8	2.5	20.2	4.4	100	0.3	2.5	0.7	70	0.58	0.066
1166479	Soil	0.9	9.8	17.1	28	0.2	5.1	2.6	87	0.91	12.1	0.5	8.9	0.2	31	0.2	0.7	0.2	21	0.19	0.068
1166466	Soil	1.3	17.4	35.0	65	0.2	18.1	9.4	334	2.87	35.2	1.0	4.4	1.7	30	0.5	1.8	0.5	65	0.28	0.050

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 Report Date: January 04, 2012

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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	
1202385	Soil	11	31	0.47	136	0.102	2	1.81	0.022	0.06	0.2	0.04	3.1	0.1	<0.05	6	<0.5	<0.2
1202497	Soil	6	27	0.34	99	0.106	1	1.50	0.016	0.05	0.1	0.05	2.2	<0.1	<0.05	8	<0.5	<0.2
1202369	Soil	5	16	0.17	83	0.074	<1	0.84	0.018	0.03	0.2	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
1202383	Soil	8	38	0.56	187	0.115	2	2.40	0.022	0.04	0.1	0.02	3.9	0.1	<0.05	7	<0.5	<0.2
1202384	Soil	9	37	0.52	144	0.120	2	2.27	0.021	0.06	0.1	0.04	2.9	0.1	<0.05	7	<0.5	<0.2
1166475	Soil	5	18	0.15	62	0.060	<1	0.87	0.017	0.04	0.1	0.05	1.3	<0.1	<0.05	5	<0.5	<0.2
1166474	Soil	5	17	0.18	102	0.046	1	0.86	0.024	0.05	0.1	0.07	1.3	<0.1	0.06	4	<0.5	<0.2
1166477	Soil	4	12	0.10	52	0.027	2	0.69	0.017	0.03	<0.1	0.07	0.6	<0.1	0.10	3	<0.5	<0.2
1166476	Soil	4	17	0.14	58	0.044	1	0.78	0.015	0.03	0.1	0.06	1.1	<0.1	0.07	4	<0.5	<0.2
1166473	Soil	4	13	0.09	54	0.039	1	0.65	0.015	0.04	<0.1	0.07	0.8	<0.1	<0.05	4	<0.5	<0.2
1166472	Soil	8	34	0.72	78	0.042	<1	2.54	0.022	0.06	0.3	0.04	2.5	0.2	<0.05	6	<0.5	<0.2
1166471	Soil	11	33	0.55	97	0.063	2	2.36	0.034	0.08	0.3	0.12	2.4	0.3	0.09	7	<0.5	<0.2
1166470	Soil	3	15	0.13	82	0.034	2	0.57	0.017	0.04	0.1	0.11	0.9	<0.1	0.10	3	<0.5	<0.2
1166469	Soil	11	37	0.54	107	0.094	2	2.03	0.024	0.06	0.3	0.03	3.7	0.2	0.05	6	<0.5	0.2
1166468	Soil	15	45	0.65	110	0.126	1	2.39	0.026	0.06	0.3	0.03	6.1	0.2	<0.05	6	<0.5	<0.2
1166452	Soil	5	50	0.33	82	0.105	1	0.94	0.016	0.07	0.2	0.04	1.8	0.1	<0.05	7	<0.5	<0.2
1166454	Soil	6	58	0.55	159	0.099	2	1.65	0.017	0.06	0.1	0.05	2.5	0.1	<0.05	8	<0.5	<0.2
1166453	Soil	10	77	0.60	119	0.090	2	1.86	0.022	0.07	0.2	0.06	2.9	0.2	<0.05	7	<0.5	<0.2
1166456	Soil	4	54	0.33	117	0.076	<1	0.96	0.025	0.04	<0.1	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
1166455	Soil	3	15	0.12	75	0.030	1	0.49	0.017	0.03	<0.1	0.07	0.7	<0.1	0.06	3	<0.5	<0.2
1166457	Soil	8	41	0.36	94	0.070	2	1.77	0.015	0.04	0.1	0.07	2.1	0.1	<0.05	7	<0.5	<0.2
1166458	Soil	4	15	0.13	63	0.044	<1	0.72	0.014	0.04	0.2	0.05	1.0	<0.1	<0.05	5	<0.5	<0.2
1166459	Soil	8	37	0.52	170	0.077	1	2.73	0.015	0.04	0.1	0.04	2.9	0.2	<0.05	7	<0.5	<0.2
1166460	Soil	11	23	0.28	124	0.039	2	1.34	0.018	0.06	0.1	0.10	1.2	0.1	0.10	5	<0.5	<0.2
1166461	Soil	7	23	0.25	68	0.050	1	0.92	0.015	0.04	0.2	0.07	1.5	0.2	0.07	6	<0.5	<0.2
1166462	Soil	3	11	0.07	33	0.031	1	0.49	0.015	0.03	<0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
1166463	Soil	3	11	0.07	57	0.032	<1	0.53	0.014	0.03	<0.1	0.06	0.6	<0.1	<0.05	3	<0.5	<0.2
1166478	Soil	11	28	0.49	110	0.062	2	1.71	0.022	0.07	0.4	0.08	2.8	0.2	<0.05	5	<0.5	<0.2
1166479	Soil	4	19	0.12	47	0.026	2	0.62	0.012	0.04	0.2	0.08	0.9	<0.1	0.09	3	<0.5	<0.2
1166466	Soil	9	29	0.43	102	0.073	2	1.75	0.017	0.04	0.4	0.06	2.4	0.2	<0.05	6	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	0.001
1166464	Soil	1.4	21.0	38.7	60	0.5	15.7	12.1	534	2.53	46.1	2.1	6.5	1.5	94	0.3	2.1	1.0	52	0.60	0.091
1166465	Soil	1.2	24.2	28.7	65	0.2	20.5	13.0	616	2.97	53.0	1.9	13.2	2.5	46	0.4	2.2	0.9	67	0.40	0.095
1166467	Soil	1.7	21.1	10.5	70	0.1	23.0	11.5	537	3.57	14.6	0.7	1.5	1.3	16	0.3	0.6	0.3	76	0.15	0.048
1170573	Soil	3.1	59.4	18.2	56	0.7	17.5	10.3	379	2.88	28.0	4.8	4.3	5.2	31	0.5	4.5	0.7	70	0.34	0.055
1170574	Soil	1.8	35.3	18.3	53	0.5	18.0	10.8	228	2.21	19.0	2.5	7.4	4.0	30	0.3	6.0	0.9	64	0.33	0.065
1170575	Soil	5.8	54.2	64.2	70	0.5	16.6	10.2	379	3.28	41.3	2.8	4.1	10.6	21	0.3	4.8	3.7	84	0.33	0.076
1170584	Soil	5.2	91.8	23.9	67	0.8	22.0	12.2	525	3.16	45.4	6.6	4.1	9.7	24	0.3	13.8	2.9	77	0.37	0.077
1170585	Soil	3.2	66.0	17.4	35	1.3	13.1	6.7	293	1.57	36.3	6.5	3.9	1.3	26	0.6	6.0	1.8	37	0.35	0.063
1170586	Soil	4.6	52.7	45.4	72	1.0	20.0	11.2	509	2.51	72.7	5.4	6.6	6.2	29	0.5	14.5	3.2	61	0.44	0.076
1170587	Soil	5.0	46.5	46.7	81	0.6	19.9	8.5	306	2.86	116.0	4.7	4.2	9.1	22	0.6	10.6	2.9	70	0.37	0.073
1170588	Soil	2.8	63.7	19.7	58	0.6	17.2	7.9	279	2.88	37.8	2.6	5.6	6.6	24	0.3	2.7	2.2	75	0.36	0.068
1170577	Soil	3.0	33.5	31.7	70	0.3	20.5	9.7	361	2.70	65.7	3.0	8.5	8.0	22	0.4	10.0	1.6	66	0.39	0.074
1170578	Soil	6.1	43.6	33.0	62	1.2	20.1	12.1	280	3.06	105.6	6.5	9.9	5.7	23	0.4	9.3	2.9	64	0.29	0.079
1170576	Soil	5.3	50.7	43.5	80	0.8	20.0	8.5	391	2.76	98.7	6.0	8.2	7.2	25	0.7	9.8	2.5	68	0.34	0.072
1170579	Soil	3.7	65.2	48.2	71	1.1	18.9	9.2	337	2.61	71.4	7.3	7.6	7.3	34	0.3	22.8	3.0	57	0.48	0.083
1170572	Soil	2.7	86.2	17.5	54	0.4	21.4	10.5	313	2.94	40.7	4.2	9.0	9.9	34	0.2	6.2	1.2	67	0.40	0.079
1172521	Soil	1.8	34.5	21.1	51	0.4	23.5	12.6	351	2.79	26.7	2.9	6.7	4.9	30	<0.1	1.3	0.9	69	0.33	0.071
1172520	Soil	1.9	52.7	23.4	59	0.4	17.8	14.4	435	3.66	24.2	3.2	9.7	9.6	33	0.3	2.1	1.5	94	0.41	0.080
1172536	Soil	2.1	36.0	15.3	30	0.4	8.5	3.6	120	1.13	30.0	3.1	4.0	1.8	15	0.5	4.9	1.5	29	0.17	0.024
1172519	Soil	4.6	62.7	14.6	48	0.4	19.3	8.5	200	2.48	72.8	1.3	5.1	2.9	27	0.2	13.8	1.3	69	0.31	0.069
1172518	Soil	5.0	69.3	14.4	51	0.4	22.7	10.6	233	2.65	52.8	2.0	17.8	3.6	31	0.1	5.6	0.7	75	0.38	0.080
1172517	Soil	3.5	68.9	16.9	53	0.4	22.4	16.0	480	2.73	63.2	1.7	9.0	2.2	27	0.2	3.0	0.5	74	0.29	0.067
1172535	Soil	4.0	44.9	40.9	56	0.5	18.1	8.6	318	2.49	87.6	2.6	4.4	6.1	22	0.3	11.8	2.7	69	0.31	0.051
1170562	Soil	2.6	54.8	32.4	61	0.7	18.0	7.3	233	2.59	33.7	6.0	10.2	9.5	26	0.4	6.9	3.2	57	0.40	0.074
1172516	Soil	1.7	93.6	11.6	35	0.8	18.7	8.6	268	2.03	102.3	1.9	7.9	0.4	39	0.2	2.6	0.5	50	0.38	0.081
1172515	Soil	2.4	70.7	17.9	47	0.5	20.4	17.3	552	2.65	144.8	2.0	8.2	1.7	25	0.3	1.3	0.9	65	0.25	0.068
1172514	Soil	2.0	86.9	23.5	61	0.8	33.0	23.1	1456	2.79	226.1	1.9	4.7	1.2	30	0.6	2.6	1.4	65	0.33	0.072
1172513	Soil	1.7	26.7	17.1	53	0.4	21.3	12.1	439	3.47	114.6	0.8	4.9	2.2	24	0.3	2.3	0.9	96	0.26	0.041
1170570	Soil	1.3	38.3	14.8	52	0.3	26.9	11.2	418	2.85	19.9	1.7	240.6	6.1	65	0.3	10.2	0.4	78	0.38	0.075
1170568	Soil	2.6	43.6	26.1	59	0.6	18.9	8.5	208	2.12	29.8	4.5	15.0	5.0	31	0.4	6.6	1.4	63	0.35	0.064

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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	
1166464	Soil	16	28	0.48	115	0.030	2	2.03	0.023	0.06	0.3	0.07	2.5	0.3	0.07	6	<0.5	<0.2
1166465	Soil	12	28	0.49	103	0.062	<1	1.73	0.019	0.05	0.7	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
1166467	Soil	8	37	0.57	121	0.066	1	2.75	0.012	0.04	0.1	0.06	2.7	<0.1	<0.05	7	<0.5	<0.2
1170573	Soil	16	31	0.55	112	0.088	2	1.85	0.012	0.06	0.3	0.04	3.8	0.2	<0.05	7	<0.5	<0.2
1170574	Soil	12	39	0.70	151	0.112	2	1.85	0.017	0.05	0.7	0.05	4.4	0.4	<0.05	6	<0.5	<0.2
1170575	Soil	14	31	0.67	113	0.106	1	1.76	0.016	0.07	8.8	0.03	3.3	0.3	<0.05	6	<0.5	<0.2
1170584	Soil	16	35	0.69	169	0.111	2	1.96	0.015	0.09	0.7	0.05	4.0	0.3	<0.05	7	<0.5	<0.2
1170585	Soil	20	17	0.27	147	0.040	1	1.18	0.018	0.04	0.5	0.05	1.9	0.1	<0.05	4	<0.5	<0.2
1170586	Soil	18	32	0.52	195	0.066	1	1.84	0.016	0.05	2.3	0.05	3.3	0.1	<0.05	6	<0.5	<0.2
1170587	Soil	15	34	0.61	117	0.093	2	1.69	0.012	0.06	4.0	0.04	3.2	0.2	<0.05	6	<0.5	<0.2
1170588	Soil	12	32	0.63	119	0.116	1	1.67	0.014	0.06	3.5	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
1170577	Soil	13	31	0.60	123	0.088	2	1.56	0.014	0.05	1.7	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
1170578	Soil	18	31	0.50	181	0.068	2	2.00	0.015	0.05	1.1	0.05	3.7	0.2	<0.05	6	<0.5	<0.2
1170576	Soil	16	32	0.55	141	0.081	<1	1.69	0.012	0.05	2.9	0.04	3.4	0.2	<0.05	6	<0.5	<0.2
1170579	Soil	28	27	0.48	184	0.077	3	1.77	0.017	0.06	1.9	0.06	3.5	0.2	0.05	6	<0.5	<0.2
1170572	Soil	17	30	0.67	147	0.102	<1	1.91	0.017	0.06	0.4	0.02	4.7	0.2	<0.05	6	1.0	<0.2
1172521	Soil	13	58	0.80	150	0.139	<1	2.08	0.017	0.07	0.7	0.05	4.5	0.4	0.07	6	0.6	<0.2
1172520	Soil	13	32	0.91	147	0.177	<1	2.03	0.015	0.17	1.6	0.01	5.7	0.4	<0.05	7	0.7	<0.2
1172536	Soil	9	13	0.17	64	0.059	1	0.71	0.014	0.05	0.6	0.02	1.4	<0.1	0.05	4	<0.5	<0.2
1172519	Soil	10	31	0.60	122	0.103	2	1.67	0.015	0.07	0.3	0.02	3.4	0.2	<0.05	6	0.7	<0.2
1172518	Soil	13	39	0.71	151	0.123	1	2.00	0.018	0.08	0.2	0.03	4.3	0.3	<0.05	6	<0.5	<0.2
1172517	Soil	11	42	0.58	135	0.120	3	2.29	0.016	0.08	0.2	0.05	4.2	0.3	0.06	7	1.0	<0.2
1172535	Soil	13	27	0.50	112	0.102	<1	1.47	0.013	0.05	1.9	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1170562	Soil	18	31	0.61	131	0.106	<1	1.71	0.015	0.08	1.0	0.06	4.1	0.3	0.07	7	<0.5	<0.2
1172516	Soil	13	37	0.39	143	0.077	1	1.55	0.024	0.06	0.1	0.05	2.9	0.3	0.08	5	0.7	<0.2
1172515	Soil	12	44	0.45	122	0.101	<1	1.97	0.019	0.08	0.1	0.06	4.3	0.4	<0.05	6	0.8	<0.2
1172514	Soil	9	43	0.52	186	0.101	<1	1.78	0.019	0.08	0.1	0.04	3.2	0.4	<0.05	6	0.6	<0.2
1172513	Soil	8	50	0.58	167	0.107	<1	2.38	0.013	0.05	0.1	0.04	3.8	0.3	<0.05	8	<0.5	<0.2
1170570	Soil	14	39	0.63	114	0.113	<1	1.69	0.016	0.05	0.3	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1170568	Soil	14	39	0.71	161	0.112	1	1.97	0.016	0.05	0.9	0.05	4.3	0.3	<0.05	6	0.9	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	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	
1170566	Soil	2.8	31.7	34.7	56	0.8	16.1	6.4	178	2.12	36.2	3.6	4.2	5.4	23	0.3	9.5	2.8	47	0.31	0.062
1170569	Soil	1.9	52.5	19.1	66	0.4	27.4	12.9	476	3.46	25.5	4.6	9.7	12.0	32	0.4	7.5	0.9	84	0.36	0.081
1170553	Soil	1.3	47.1	13.7	56	0.2	25.2	11.7	349	2.98	15.8	3.1	4.8	4.7	33	0.2	1.2	0.4	71	0.39	0.072
1170565	Soil	4.0	45.6	40.5	63	0.9	19.5	8.2	210	2.33	36.8	5.1	7.2	7.7	25	0.3	20.0	2.2	64	0.35	0.074
1170571	Soil	2.7	78.1	18.3	61	0.6	29.9	9.7	290	3.12	59.0	4.0	9.6	5.5	34	0.3	25.7	0.7	75	0.33	0.072
1170563	Soil	2.4	41.1	34.9	77	0.3	20.3	9.7	449	2.93	45.5	2.7	4.6	10.8	25	0.6	15.0	6.9	76	0.46	0.089
1170567	Soil	6.4	33.8	33.3	68	0.8	18.3	10.1	386	2.64	67.7	4.0	6.2	6.4	27	0.2	14.1	2.9	70	0.37	0.069
1170564	Soil	3.5	37.3	24.5	45	1.0	15.3	6.5	164	2.02	24.7	5.4	6.0	3.5	29	0.2	7.2	1.8	42	0.34	0.068
1170583	Soil	2.9	47.5	17.9	53	0.4	16.2	8.7	322	2.26	20.9	2.9	2.7	5.0	24	0.2	4.1	2.1	62	0.36	0.062
1170551	Soil	1.9	67.7	15.9	62	0.3	22.9	12.1	414	3.23	25.5	3.9	10.0	6.6	24	0.2	2.4	0.8	75	0.32	0.080
1172508	Soil	1.2	19.8	13.9	65	0.2	24.8	13.0	391	3.39	70.2	0.6	3.9	2.1	37	0.2	1.0	0.4	84	0.35	0.042
1172506	Soil	1.4	20.9	17.1	62	0.1	19.0	9.6	279	3.04	94.1	0.5	4.5	0.8	33	0.4	1.4	3.3	78	0.21	0.050
1172502	Soil	2.7	28.4	29.9	76	0.4	19.1	15.2	527	2.74	26.3	1.4	8.0	0.7	52	0.3	1.3	0.6	63	0.37	0.092
1172503	Soil	3.3	29.4	44.1	63	0.4	17.3	13.7	483	2.70	29.4	1.4	4.8	0.2	47	0.6	1.4	1.0	68	0.34	0.113
1172504	Soil	2.2	28.7	78.9	71	0.4	13.7	15.9	748	2.26	51.7	2.6	6.3	2.0	102	0.7	3.5	0.9	40	0.66	0.125
1172505	Soil	3.0	23.6	38.0	62	0.4	14.5	9.3	353	2.19	45.2	0.7	4.2	0.2	106	0.5	2.1	1.7	59	0.36	0.110
1172507	Soil	1.8	27.5	21.2	61	0.3	21.1	14.8	639	3.23	1285	0.9	4.3	0.7	60	0.6	2.6	0.9	73	0.35	0.072
1172509	Soil	1.5	28.4	26.4	48	0.4	16.8	12.8	524	2.23	259.9	1.2	3.6	0.5	49	1.1	1.9	0.7	54	0.41	0.070
1170559	Soil	4.3	32.3	33.4	59	0.9	16.9	8.3	219	2.42	44.0	4.2	12.0	6.7	26	0.2	8.8	2.0	59	0.38	0.068
1170555	Soil	1.5	38.5	11.4	51	0.3	18.0	8.2	258	2.60	17.7	2.6	3.7	4.4	27	0.2	4.4	0.4	67	0.29	0.060
1170557	Soil	4.9	89.2	45.0	121	0.3	17.9	9.4	433	3.08	117.5	7.8	6.4	27.4	49	1.1	6.8	2.5	75	0.61	0.108
1172501	Soil	0.9	9.0	9.3	36	0.3	4.0	2.5	66	0.91	11.6	0.4	1.6	0.1	14	0.4	0.6	0.2	17	0.11	0.064
1170561	Soil	2.0	45.3	23.1	41	0.8	13.6	4.3	118	1.67	18.9	5.6	5.6	3.7	28	0.2	7.6	2.0	35	0.40	0.058
1170582	Soil	4.5	45.7	17.5	61	0.2	16.1	10.6	513	3.03	43.5	3.1	4.2	13.6	24	0.3	19.5	4.5	74	0.39	0.078
1170580	Soil	4.6	52.3	25.7	52	1.0	18.6	9.3	291	2.59	45.6	5.7	6.1	6.3	28	0.3	7.7	2.8	57	0.31	0.060
1170560	Soil	2.7	34.4	33.2	54	0.9	14.3	6.2	163	2.11	33.1	4.3	3.1	4.3	28	0.2	7.1	1.8	49	0.38	0.062
1170558	Soil	4.9	40.3	24.0	61	0.8	18.7	10.2	238	2.22	36.1	5.1	4.8	4.8	32	0.3	6.9	1.4	64	0.36	0.068
1170556	Soil	6.8	97.8	38.2	110	1.2	20.2	11.6	612	3.13	97.0	8.9	18.3	16.2	43	1.0	7.9	2.8	74	0.53	0.090
1170554	Soil	1.2	50.1	11.4	57	0.3	24.4	11.5	371	2.88	34.0	2.1	5.8	4.7	34	0.3	4.4	0.4	68	0.36	0.075
1170552	Soil	1.3	38.0	15.3	53	0.1	18.5	10.4	315	2.78	21.4	2.1	6.2	4.1	34	0.3	1.4	0.5	69	0.34	0.066

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Project: WLF
Report Date: January 04, 2012

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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	
1170566	Soil	14	29	0.49	114	0.089	1	1.62	0.015	0.05	1.5	0.06	3.2	0.2	<0.05	6	<0.5	<0.2
1170569	Soil	19	41	0.69	129	0.106	2	2.21	0.014	0.07	0.3	0.05	5.1	0.2	<0.05	7	0.7	<0.2
1170553	Soil	16	32	0.65	156	0.104	1	2.31	0.016	0.05	0.2	0.03	4.7	0.2	<0.05	6	<0.5	<0.2
1170565	Soil	19	32	0.55	143	0.088	1	1.95	0.013	0.07	1.3	0.05	3.8	0.2	<0.05	7	0.6	<0.2
1170571	Soil	13	45	0.72	121	0.092	1	2.14	0.013	0.05	0.2	0.05	4.2	0.2	<0.05	7	<0.5	<0.2
1170563	Soil	16	33	0.59	101	0.108	<1	1.38	0.017	0.07	1.8	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
1170567	Soil	15	32	0.58	142	0.085	2	1.72	0.014	0.05	1.4	0.04	3.1	0.1	<0.05	7	<0.5	<0.2
1170564	Soil	17	27	0.43	144	0.079	<1	1.60	0.016	0.05	0.5	0.06	3.3	0.2	0.07	6	<0.5	<0.2
1170583	Soil	13	28	0.54	122	0.104	1	1.40	0.016	0.06	0.7	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
1170551	Soil	11	37	0.66	114	0.113	<1	2.46	0.016	0.05	0.2	0.04	4.8	0.2	<0.05	6	<0.5	<0.2
1172508	Soil	8	44	0.63	176	0.097	2	2.53	0.018	0.05	0.1	0.04	3.7	0.3	<0.05	7	<0.5	<0.2
1172506	Soil	7	32	0.42	79	0.086	<1	1.61	0.010	0.05	0.1	0.05	2.7	0.1	0.07	7	<0.5	<0.2
1172502	Soil	8	30	0.42	113	0.063	2	1.82	0.020	0.09	0.3	0.16	2.4	0.2	0.09	6	<0.5	<0.2
1172503	Soil	7	28	0.25	109	0.035	2	1.36	0.014	0.06	0.1	0.23	1.3	0.1	0.13	6	0.6	<0.2
1172504	Soil	16	24	0.45	62	0.020	<1	2.10	0.019	0.10	0.2	0.14	1.7	0.4	0.11	6	0.6	<0.2
1172505	Soil	9	29	0.32	112	0.038	2	1.61	0.020	0.08	0.1	0.14	1.8	0.4	0.14	5	0.6	<0.2
1172507	Soil	8	37	0.47	152	0.067	2	1.90	0.015	0.06	0.2	0.07	2.8	0.3	0.06	6	<0.5	<0.2
1172509	Soil	13	29	0.33	151	0.050	<1	1.45	0.015	0.07	0.1	0.05	2.1	0.3	0.07	6	<0.5	<0.2
1170559	Soil	16	30	0.53	129	0.082	2	1.64	0.015	0.05	0.9	0.05	3.6	0.2	0.06	7	<0.5	<0.2
1170555	Soil	13	28	0.57	99	0.091	3	1.84	0.017	0.04	0.2	0.04	3.4	0.1	<0.05	6	0.5	<0.2
1170557	Soil	29	28	0.71	92	0.120	3	1.74	0.026	0.14	0.6	0.04	4.6	0.4	<0.05	6	<0.5	<0.2
1172501	Soil	3	4	0.09	36	0.033	5	0.38	0.016	0.05	<0.1	0.10	0.7	<0.1	0.09	2	<0.5	<0.2
1170561	Soil	14	22	0.38	119	0.072	3	1.44	0.015	0.05	0.4	0.06	3.0	0.2	0.07	6	0.5	<0.2
1170582	Soil	21	29	0.67	129	0.122	4	1.52	0.017	0.11	2.0	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1170580	Soil	20	26	0.46	166	0.082	5	2.15	0.018	0.06	0.6	0.07	3.8	0.2	<0.05	7	<0.5	<0.2
1170560	Soil	16	25	0.45	126	0.078	4	1.64	0.016	0.05	0.5	0.06	3.3	0.2	0.05	6	<0.5	<0.2
1170558	Soil	15	33	0.62	145	0.103	3	1.85	0.017	0.05	1.5	0.07	4.3	0.3	0.06	6	<0.5	<0.2
1170556	Soil	28	31	0.66	123	0.091	2	1.90	0.020	0.09	0.7	0.07	5.2	0.3	<0.05	7	<0.5	<0.2
1170554	Soil	11	31	0.64	138	0.097	2	2.29	0.018	0.05	0.2	0.06	4.0	<0.1	<0.05	6	<0.5	<0.2
1170552	Soil	11	27	0.64	103	0.114	3	1.93	0.017	0.06	0.3	0.03	3.5	0.2	<0.05	6	0.7	<0.2

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 Report Date: January 04, 2012

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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	
		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	
1170581	Soil	2.8	25.3	20.6	48	0.2	15.9	6.8	196	2.58	30.8	1.2	6.8	5.0	21	0.2	9.0	1.6	67	0.27	0.032
1172528	Soil	2.9	31.4	23.3	46	0.4	12.5	5.3	229	2.01	53.2	1.2	3.2	2.9	15	0.7	5.9	3.0	52	0.17	0.027
1172534	Soil	1.9	33.8	11.7	19	0.9	6.8	3.2	125	0.94	14.1	3.4	1.6	0.6	23	0.2	6.8	1.1	27	0.29	0.068
1172533	Soil	3.3	55.0	24.0	65	0.4	16.8	10.8	473	2.63	37.2	3.1	16.9	7.4	18	0.4	5.2	2.3	65	0.27	0.062
1172531	Soil	4.4	64.8	31.4	60	0.6	18.6	7.6	233	2.43	69.0	4.9	15.8	9.0	26	0.4	12.6	5.7	64	0.42	0.067
1172532	Soil	3.3	73.0	26.6	61	0.6	21.5	9.9	416	2.94	64.9	4.5	6.4	7.4	24	0.4	16.0	3.0	76	0.39	0.065
1172530	Soil	2.8	40.7	27.9	58	0.5	12.3	5.7	416	1.74	66.4	1.5	10.5	2.0	24	2.2	5.3	2.2	47	0.31	0.039
1172529	Soil	4.5	58.0	40.3	43	0.9	13.1	9.2	309	2.19	57.6	6.6	4.9	4.9	15	0.7	7.7	3.5	47	0.15	0.036
1172527	Soil	7.7	45.3	49.8	74	1.0	15.8	9.3	449	2.37	133.6	5.1	9.1	5.6	23	0.6	11.9	3.4	58	0.32	0.060
1172525	Soil	7.6	86.3	25.1	58	0.7	18.5	9.0	210	2.70	33.7	4.6	12.3	7.8	26	0.3	3.5	2.2	69	0.38	0.067
1172526	Soil	7.1	82.2	24.7	59	0.7	18.8	8.3	207	2.67	33.0	4.2	9.5	6.8	26	0.4	3.5	1.9	64	0.36	0.065
1172538	Soil	3.7	76.0	18.1	49	0.7	16.5	7.1	236	2.52	29.0	3.9	5.9	5.4	27	0.2	1.5	1.5	62	0.32	0.055
1172537	Soil	5.3	48.3	19.2	55	0.5	13.5	10.7	463	2.07	18.8	2.4	2.7	3.9	21	0.6	2.9	1.6	55	0.26	0.046
1172512	Soil	1.5	28.7	18.3	45	0.3	17.9	9.2	311	2.35	263.1	0.9	7.3	1.1	52	0.5	8.1	1.9	68	0.36	0.053
1172511	Soil	1.9	51.2	33.6	69	0.4	27.3	17.8	461	4.06	429.4	2.2	33.4	2.5	55	0.5	5.1	2.8	105	0.30	0.063
1172510	Soil	1.8	20.8	25.6	42	0.2	14.7	11.4	785	3.36	104.6	0.5	2.0	1.0	47	0.5	1.8	2.6	101	0.40	0.058
1172524	Soil	4.1	66.8	22.8	61	0.7	19.1	9.7	366	3.06	41.9	2.5	7.2	5.2	25	0.2	3.3	1.5	77	0.35	0.071
1172523	Soil	6.2	83.9	24.9	61	1.0	20.5	13.0	464	3.13	57.6	4.5	9.9	6.6	28	0.2	2.5	1.6	73	0.36	0.072
1172522	Soil	4.0	131.9	24.0	60	1.5	22.2	9.2	226	3.19	34.8	4.8	10.5	8.8	24	0.2	1.5	2.2	83	0.33	0.068
1171701	Soil	1.6	25.2	10.7	57	<0.1	25.6	11.7	387	3.32	11.5	0.9	3.1	2.0	16	0.2	0.7	0.6	82	0.19	0.041



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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000377.2

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	
1170581	Soil	10	25	0.51	90	0.125	2	1.68	0.013	0.06	0.8	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1172528	Soil	6	17	0.26	98	0.074	3	1.30	0.012	0.04	0.6	0.04	1.9	<0.1	<0.05	5	<0.5	<0.2
1172534	Soil	9	14	0.17	81	0.033	2	0.68	0.017	0.04	0.3	0.05	1.4	<0.1	0.07	3	0.6	<0.2
1172533	Soil	12	26	0.52	99	0.113	3	1.57	0.015	0.07	0.5	0.03	3.1	0.1	<0.05	6	0.7	<0.2
1172531	Soil	15	26	0.56	126	0.111	3	1.58	0.022	0.06	4.9	0.03	3.1	0.1	<0.05	5	0.6	<0.2
1172532	Soil	17	30	0.58	128	0.116	3	1.74	0.018	0.06	2.7	0.05	3.7	0.1	<0.05	6	0.7	<0.2
1172530	Soil	11	17	0.29	99	0.074	4	1.04	0.016	0.06	1.0	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2
1172529	Soil	23	23	0.32	98	0.073	2	1.86	0.016	0.04	1.0	0.05	3.3	0.1	<0.05	6	0.6	<0.2
1172527	Soil	15	26	0.50	110	0.082	2	1.33	0.016	0.05	2.1	0.04	3.0	0.1	<0.05	5	0.5	<0.2
1172525	Soil	15	28	0.65	129	0.124	2	1.91	0.016	0.06	3.6	0.03	4.0	0.2	<0.05	6	<0.5	<0.2
1172526	Soil	14	28	0.63	127	0.116	2	1.85	0.015	0.06	2.8	0.03	3.7	0.2	<0.05	6	0.7	<0.2
1172538	Soil	13	26	0.54	113	0.098	1	1.69	0.014	0.05	2.0	0.05	3.5	0.1	<0.05	6	<0.5	<0.2
1172537	Soil	11	24	0.43	104	0.085	2	1.24	0.013	0.05	2.6	0.04	2.2	0.1	0.07	6	<0.5	<0.2
1172512	Soil	9	41	0.51	117	0.094	1	1.32	0.018	0.15	0.2	0.04	3.1	0.5	0.11	6	<0.5	<0.2
1172511	Soil	13	39	0.70	126	0.127	1	1.96	0.023	0.16	0.5	0.08	4.9	0.7	0.11	7	<0.5	0.3
1172510	Soil	6	32	0.57	189	0.112	2	1.62	0.018	0.11	0.1	0.04	4.0	0.3	0.09	9	<0.5	<0.2
1172524	Soil	12	32	0.64	135	0.111	2	1.79	0.012	0.06	5.5	0.03	3.4	0.2	<0.05	6	0.5	<0.2
1172523	Soil	13	33	0.62	138	0.098	2	2.04	0.012	0.05	3.2	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
1172522	Soil	15	38	0.71	135	0.109	<1	2.22	0.012	0.06	3.5	0.04	4.2	0.2	<0.05	7	<0.5	<0.2
1171701	Soil	8	34	0.52	132	0.085	1	2.50	0.011	0.04	0.4	0.05	2.8	0.1	<0.05	8	<0.5	<0.2



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Project: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000377.2

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																					
1171755	Soil	1.9	89.9	20.4	59	0.4	24.5	12.7	322	3.23	42.8	2.3	9.1	8.3	31	0.2	1.8	1.1	82	0.33	0.087
REP 1171755	QC	2.0	91.9	20.3	60	0.4	25.9	12.9	328	3.30	43.1	2.3	7.6	8.4	31	0.2	1.9	1.2	84	0.33	0.089
1171655	Soil	1.8	36.8	54.4	92	0.4	28.3	17.9	533	3.50	201.9	1.2	38.7	1.7	256	0.4	4.5	6.0	83	0.55	0.102
REP 1171655	QC	1.9	37.5	55.8	96	0.4	28.6	18.2	549	3.56	209.4	1.2	23.6	1.8	261	0.4	4.5	6.2	83	0.56	0.104
1171909	Soil	1.4	27.7	28.9	76	0.2	18.2	10.7	441	3.10	156.2	1.7	4.9	1.8	49	0.5	4.0	1.4	66	0.25	0.063
REP 1171909	QC	1.5	28.0	29.6	75	0.2	17.9	10.2	423	2.94	155.1	1.7	4.8	1.6	46	0.4	4.0	1.7	69	0.26	0.066
1176518	Soil	3.9	47.1	11.5	50	0.2	20.2	10.4	377	2.82	11.6	1.0	2.0	4.1	35	0.2	0.5	1.1	78	0.45	0.044
REP 1176518	QC	4.1	48.6	11.8	50	0.3	20.3	11.0	391	2.83	12.0	0.9	4.5	4.0	34	0.1	0.4	1.5	76	0.45	0.044
1171746	Soil	1.0	19.9	8.3	36	<0.1	11.4	4.2	173	1.56	10.6	0.4	1.2	0.1	19	0.1	0.5	0.3	39	0.16	0.055
REP 1171746	QC	1.1	19.9	8.3	36	<0.1	11.0	4.1	171	1.52	10.3	0.4	<0.5	0.1	19	0.2	0.5	0.3	38	0.16	0.054
1176605	Soil	2.2	53.1	16.8	53	0.3	21.4	11.5	323	3.25	47.7	1.3	4.7	3.3	28	0.2	0.6	0.6	85	0.32	0.045
REP 1176605	QC	2.3	53.3	16.0	54	0.3	22.4	11.2	325	3.28	46.8	1.3	6.5	3.3	28	0.2	0.7	0.6	85	0.32	0.046
1176532	Soil	3.8	38.2	14.2	51	0.2	23.1	10.2	312	2.78	13.7	1.0	6.8	3.8	26	0.2	0.6	0.4	87	0.26	0.053
REP 1176532	QC	3.8	39.5	15.1	54	0.2	24.6	10.9	317	2.92	14.1	1.0	7.4	3.8	26	0.2	0.6	0.5	89	0.26	0.054
1171607	Soil	1.7	20.8	24.3	46	0.2	15.5	9.2	317	3.01	26.5	0.9	2.6	2.4	36	0.2	1.1	0.3	80	0.23	0.035
REP 1171607	QC	1.7	20.3	24.2	44	0.2	15.4	9.0	299	2.87	25.3	0.9	4.7	2.4	35	0.2	1.1	0.3	77	0.22	0.034
1170516	Soil	0.3	14.4	5.7	11	0.4	6.0	1.8	55	0.50	11.5	0.6	3.8	<0.1	10	0.4	0.4	0.1	16	0.10	0.040
REP 1170516	QC	0.4	14.5	5.9	11	0.4	6.0	1.9	54	0.50	11.5	0.6	2.6	<0.1	10	0.3	0.4	0.1	15	0.09	0.037
1170528	Soil	3.3	134.2	78.1	90	1.0	28.0	12.6	530	3.41	385.2	5.1	22.6	10.8	26	0.7	18.0	19.7	80	0.39	0.061
REP 1170528	QC	3.0	133.1	73.8	90	0.9	28.3	12.7	534	3.34	369.4	4.8	16.1	10.1	26	0.7	17.6	17.9	83	0.40	0.061
1202380	Soil	2.1	14.0	36.5	59	0.4	13.0	6.4	241	2.60	9.0	0.4	5.1	1.3	22	1.0	0.9	0.5	73	0.26	0.029
REP 1202380	QC	1.9	13.5	34.9	56	0.4	13.2	6.5	241	2.46	8.6	0.4	6.6	1.3	22	0.9	0.9	0.5	70	0.26	0.027
1202450	Soil	0.6	13.6	23.9	44	0.3	12.7	4.7	149	1.50	8.1	1.1	6.3	0.7	29	0.5	0.7	0.4	30	0.34	0.061
REP 1202450	QC	0.6	14.2	23.5	44	0.2	12.5	4.6	149	1.49	7.7	1.1	9.8	0.8	28	0.4	0.7	0.4	31	0.34	0.061
1166456	Soil	1.1	18.0	8.9	64	0.1	19.7	6.4	433	1.83	36.1	0.5	1.1	0.6	31	0.4	0.9	0.2	51	0.36	0.046
REP 1166456	QC	1.1	17.8	9.2	62	0.1	19.6	6.3	418	1.79	35.8	0.5	1.7	0.6	31	0.4	0.9	0.2	51	0.37	0.046
1170578	Soil	6.1	43.6	33.0	62	1.2	20.1	12.1	280	3.06	105.6	6.5	9.9	5.7	23	0.4	9.3	2.9	64	0.29	0.079
REP 1170578	QC	6.1	45.1	32.5	65	1.2	20.0	12.3	276	3.02	106.2	6.2	6.3	5.5	23	0.3	9.4	2.9	62	0.30	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: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000377.2

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																		
1171755	Soil	15	56	0.77	129	0.145	2	2.12	0.016	0.08	2.2	0.02	4.7	0.3	<0.05	7	<0.5	<0.2
REP 1171755	QC	15	57	0.75	131	0.150	2	2.06	0.015	0.09	2.1	0.02	4.8	0.3	<0.05	7	<0.5	<0.2
1171655	Soil	10	34	0.65	83	0.051	1	2.95	0.036	0.12	0.2	0.06	4.5	0.4	<0.05	6	<0.5	<0.2
REP 1171655	QC	10	37	0.64	83	0.050	1	2.92	0.036	0.12	0.2	0.06	4.7	0.4	<0.05	7	<0.5	<0.2
1171909	Soil	10	28	0.45	82	0.060	<1	2.03	0.017	0.04	0.3	0.10	2.2	0.3	0.07	6	<0.5	<0.2
REP 1171909	QC	10	27	0.45	80	0.062	3	2.01	0.017	0.04	0.2	0.09	2.2	0.3	0.08	6	1.0	<0.2
1176518	Soil	11	31	0.64	159	0.127	1	2.25	0.020	0.06	4.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
REP 1176518	QC	11	30	0.64	155	0.120	1	2.25	0.019	0.05	3.8	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
1171746	Soil	5	18	0.21	59	0.036	<1	0.97	0.020	0.03	<0.1	0.06	1.2	0.1	0.07	4	<0.5	<0.2
REP 1171746	QC	5	18	0.21	59	0.035	1	0.95	0.022	0.03	<0.1	0.06	1.1	0.1	0.06	4	<0.5	<0.2
1176605	Soil	10	33	0.65	150	0.143	<1	2.46	0.016	0.06	0.5	0.03	3.8	0.2	<0.05	8	<0.5	<0.2
REP 1176605	QC	10	33	0.66	151	0.147	1	2.48	0.016	0.06	0.7	0.05	3.9	0.3	<0.05	8	<0.5	<0.2
1176532	Soil	9	39	0.59	131	0.116	2	1.87	0.012	0.08	0.3	0.01	3.6	0.1	<0.05	7	<0.5	<0.2
REP 1176532	QC	9	42	0.60	131	0.119	2	1.92	0.013	0.08	0.4	0.02	3.7	0.2	<0.05	7	<0.5	<0.2
1171607	Soil	11	29	0.33	112	0.073	1	2.00	0.014	0.04	<0.1	0.05	2.5	0.1	<0.05	8	<0.5	<0.2
REP 1171607	QC	11	28	0.33	110	0.072	1	1.93	0.014	0.04	0.1	0.06	2.3	0.1	<0.05	8	<0.5	<0.2
1170516	Soil	3	7	0.06	39	0.013	8	0.36	0.017	0.02	<0.1	0.05	0.3	<0.1	<0.05	1	<0.5	<0.2
REP 1170516	QC	3	8	0.06	39	0.014	9	0.34	0.016	0.02	<0.1	0.04	0.4	<0.1	<0.05	1	<0.5	<0.2
1170528	Soil	14	35	0.61	145	0.099	2	2.08	0.021	0.06	6.5	0.06	3.6	0.1	<0.05	6	1.2	<0.2
REP 1170528	QC	14	36	0.61	142	0.106	3	2.03	0.018	0.06	7.8	0.05	3.7	0.2	0.08	6	<0.5	<0.2
1202380	Soil	6	25	0.34	89	0.089	2	1.49	0.017	0.05	0.3	0.03	1.9	0.1	<0.05	7	<0.5	<0.2
REP 1202380	QC	6	24	0.34	88	0.088	2	1.47	0.017	0.05	0.2	0.02	1.9	0.1	<0.05	7	<0.5	<0.2
1202450	Soil	9	23	0.34	92	0.072	2	1.30	0.018	0.05	0.2	0.07	2.5	0.1	0.07	5	<0.5	<0.2
REP 1202450	QC	9	23	0.34	93	0.067	2	1.28	0.017	0.05	0.2	0.07	2.4	0.1	0.06	5	<0.5	<0.2
1166456	Soil	4	54	0.33	117	0.076	<1	0.96	0.025	0.04	<0.1	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
REP 1166456	QC	4	53	0.34	114	0.075	1	0.97	0.023	0.04	0.1	0.04	1.6	<0.1	<0.05	6	<0.5	<0.2
1170578	Soil	18	31	0.50	181	0.068	2	2.00	0.015	0.05	1.1	0.05	3.7	0.2	<0.05	6	<0.5	<0.2
REP 1170578	QC	18	30	0.50	181	0.070	1	1.92	0.016	0.05	1.1	0.05	3.5	0.2	<0.05	7	<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: WLF
 Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000377.2

		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
1170566	Soil	2.8	31.7	34.7	56	0.8	16.1	6.4	178	2.12	36.2	3.6	4.2	5.4	23	0.3	9.5	2.8	47	0.31	0.062
REP 1170566	QC	2.6	31.4	33.6	56	0.8	15.5	6.3	173	2.09	36.3	3.6	2.8	5.3	23	0.2	9.3	2.1	48	0.30	0.061
1170551	Soil	1.9	67.7	15.9	62	0.3	22.9	12.1	414	3.23	25.5	3.9	10.0	6.6	24	0.2	2.4	0.8	75	0.32	0.080
REP 1170551	QC	1.8	67.1	15.7	59	0.4	23.0	11.9	405	3.23	25.4	4.1	12.2	6.9	24	0.2	2.4	0.9	74	0.32	0.085
1170582	Soil	4.5	45.7	17.5	61	0.2	16.1	10.6	513	3.03	43.5	3.1	4.2	13.6	24	0.3	19.5	4.5	74	0.39	0.078
REP 1170582	QC	4.5	43.8	16.7	60	0.2	16.3	10.4	488	2.92	43.1	3.1	6.1	13.6	25	0.3	18.3	5.5	73	0.38	0.076
1172529	Soil	4.5	58.0	40.3	43	0.9	13.1	9.2	309	2.19	57.6	6.6	4.9	4.9	15	0.7	7.7	3.5	47	0.15	0.036
REP 1172529	QC	4.0	55.5	37.1	42	0.8	12.7	9.1	299	2.19	57.0	5.9	6.9	4.5	14	0.6	7.9	3.2	49	0.15	0.035
Reference Materials																					
STD DS8	Standard	12.9	106.1	122.6	298	1.9	36.2	7.6	620	2.47	25.4	2.8	104.4	7.1	69	2.4	5.5	7.2	47	0.68	0.081
STD DS8	Standard	12.4	105.0	118.4	308	1.7	37.2	7.4	603	2.42	24.9	2.7	107.6	6.4	65	2.4	5.3	6.3	41	0.68	0.078
STD DS8	Standard	13.7	116.7	134.0	324	1.8	37.8	7.9	621	2.49	25.9	2.9	107.5	7.1	67	2.6	5.8	7.5	45	0.73	0.083
STD DS8	Standard	13.9	106.7	121.9	313	1.9	39.3	7.6	610	2.43	26.2	2.6	122.4	6.8	63	2.4	5.6	6.0	43	0.69	0.080
STD DS8	Standard	13.9	110.7	129.5	311	1.8	39.5	7.9	613	2.44	25.9	2.7	111.2	6.6	68	2.4	5.5	6.2	44	0.72	0.079
STD DS8	Standard	14.1	118.8	122.2	323	1.9	40.8	8.1	657	2.67	26.6	2.7	108.6	7.0	69	2.4	5.9	6.3	46	0.76	0.082
STD DS8	Standard	14.0	114.2	124.3	313	1.8	39.7	7.7	611	2.46	24.8	2.8	114.0	6.8	62	2.2	5.4	6.4	48	0.70	0.087
STD DS8	Standard	13.7	105.2	130.6	316	1.8	39.3	7.9	606	2.55	26.1	2.7	114.4	6.7	65	2.4	5.3	6.7	43	0.70	0.080
STD DS8	Standard	13.4	107.7	126.6	309	1.8	39.2	7.4	614	2.48	24.5	2.7	109.8	6.5	71	2.3	5.6	6.8	40	0.71	0.083
STD DS8	Standard	11.9	102.1	114.8	289	1.6	34.7	6.9	568	2.25	23.5	2.6	121.5	6.5	62	2.0	5.1	6.3	39	0.64	0.073
STD DS8	Standard	13.0	114.2	123.6	308	1.8	37.4	7.8	597	2.44	26.2	2.7	115.4	6.8	61	2.2	5.5	6.9	42	0.69	0.082
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Project: WLF

Report Date: January 04, 2012

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

DAW11000377.2

		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
1170566	Soil	14	29	0.49	114	0.089	1	1.62	0.015	0.05	1.5	0.06	3.2	0.2	<0.05	6	<0.5	<0.2
REP 1170566	QC	13	28	0.46	108	0.086	<1	1.55	0.014	0.05	1.2	0.04	2.9	0.2	<0.05	6	<0.5	<0.2
1170551	Soil	11	37	0.66	114	0.113	<1	2.46	0.016	0.05	0.2	0.04	4.8	0.2	<0.05	6	<0.5	<0.2
REP 1170551	QC	11	36	0.70	117	0.108	2	2.70	0.016	0.05	0.3	0.04	4.9	0.2	<0.05	6	<0.5	<0.2
1170582	Soil	21	29	0.67	129	0.122	4	1.52	0.017	0.11	2.0	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
REP 1170582	QC	21	28	0.64	124	0.119	4	1.45	0.016	0.10	1.4	0.04	3.3	0.2	<0.05	6	<0.5	<0.2
1172529	Soil	23	23	0.32	98	0.073	2	1.86	0.016	0.04	1.0	0.05	3.3	0.1	<0.05	6	0.6	<0.2
REP 1172529	QC	21	22	0.30	96	0.071	2	1.83	0.016	0.04	1.0	0.06	3.1	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	16	117	0.62	275	0.117	<1	0.96	0.095	0.43	2.9	0.22	2.4	5.3	0.16	5	5.2	4.7
STD DS8	Standard	15	117	0.60	260	0.113	2	0.90	0.095	0.41	2.8	0.19	2.7	5.2	0.17	5	5.0	4.5
STD DS8	Standard	16	111	0.63	285	0.112	6	0.97	0.103	0.43	2.9	0.21	2.4	5.6	0.08	5	5.5	5.2
STD DS8	Standard	15	118	0.63	289	0.112	2	0.94	0.101	0.41	3.1	0.21	2.0	5.5	0.17	5	5.1	4.8
STD DS8	Standard	16	119	0.62	292	0.117	3	0.97	0.096	0.43	3.0	0.21	2.1	5.4	0.17	5	5.5	5.0
STD DS8	Standard	17	126	0.64	300	0.130	2	0.99	0.100	0.43	3.3	0.21	2.5	5.5	0.15	5	4.8	5.1
STD DS8	Standard	16	122	0.60	278	0.117	3	0.91	0.080	0.38	2.9	0.20	2.5	5.5	0.18	5	5.1	5.0
STD DS8	Standard	15	118	0.63	290	0.112	3	1.00	0.115	0.45	3.0	0.20	2.5	5.5	0.15	5	5.4	5.1
STD DS8	Standard	15	116	0.63	281	0.116	2	0.91	0.086	0.44	3.1	0.18	2.2	5.5	0.18	5	5.4	5.0
STD DS8	Standard	15	103	0.59	267	0.110	4	0.88	0.094	0.38	2.7	0.19	2.1	4.9	0.14	4	4.4	4.0
STD DS8	Standard	15	114	0.61	268	0.114	<1	0.89	0.085	0.41	3.2	0.21	2.2	5.3	0.17	5	5.4	4.8
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

DAW11000377.2

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



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Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

DAW11000377.2

		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



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Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 13, 2011
Report Date: January 04, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

DAW11000378.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-04
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

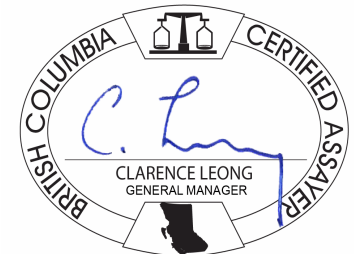
CC: Peter Tallman

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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Project: WLF
 Report Date: January 04, 2012

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

DAW11000378.2

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	
1171702	Soil		1.8	31.2	12.4	69	0.3	24.1	11.7	353	3.51	10.3	1.0	4.0	2.4	14	0.2	0.6	0.3	85	0.15	0.045
1171703	Soil		5.4	499.4	1025	202	15.5	43.1	16.2	525	4.40	2775	7.7	188.4	9.3	46	4.2	105.7	43.2	73	0.33	0.080
1171704	Soil		2.4	75.5	42.5	79	0.3	21.6	12.5	427	2.98	59.0	2.1	14.9	6.0	19	0.4	2.5	5.6	85	0.26	0.049
1171705	Soil		1.3	39.6	24.3	63	0.1	23.7	10.2	355	3.15	23.1	0.9	14.6	2.1	20	0.3	2.0	1.6	93	0.26	0.045
1171706	Soil		1.2	54.6	46.2	72	0.3	23.5	12.0	436	3.05	127.1	0.7	16.8	2.9	22	0.4	20.0	2.3	88	0.27	0.038
1171707	Soil		1.1	42.1	18.9	65	0.3	27.6	11.5	441	3.14	18.5	0.7	3.6	1.5	21	0.3	2.2	0.6	79	0.26	0.044
1171708	Soil		1.8	295.2	81.3	126	1.0	22.4	12.3	416	3.81	184.5	2.6	15.9	6.5	19	1.1	42.8	2.2	87	0.26	0.031
1171709	Soil		1.0	66.0	11.8	55	0.2	28.0	17.0	361	3.17	22.0	0.9	9.4	2.6	23	0.3	1.8	0.6	87	0.26	0.030
1171730	Soil		1.6	29.6	12.3	31	0.4	6.8	3.2	164	1.45	9.1	1.1	6.4	0.7	13	0.5	0.8	0.6	43	0.13	0.035
1170594	Soil		8.9	70.1	13.7	52	0.4	21.2	12.2	536	2.89	9.9	1.9	2.0	3.3	29	0.3	0.5	0.6	78	0.38	0.055
1170597	Soil		1.6	32.3	14.5	56	0.4	19.6	9.9	347	2.67	8.8	0.9	8.4	3.1	29	0.3	0.6	0.5	76	0.33	0.040
1170590	Soil		6.2	54.6	19.7	61	0.4	18.1	11.0	446	2.62	34.6	3.0	10.8	5.1	40	0.2	0.7	3.2	72	0.65	0.053
1170595	Soil		4.4	49.5	12.1	48	0.4	18.3	9.7	317	2.62	9.9	1.1	8.9	3.0	28	0.1	0.5	0.6	78	0.39	0.041
1176835	Soil		6.2	55.3	20.6	60	0.6	22.1	13.3	430	3.21	17.5	2.0	5.1	4.1	31	0.3	0.6	1.3	89	0.39	0.052
1170600	Soil		8.0	66.6	16.5	57	0.5	19.3	11.5	371	3.00	18.7	2.3	6.2	4.6	32	0.2	0.7	1.8	83	0.44	0.050
1170598	Soil		1.7	38.7	10.7	49	0.1	22.8	10.9	339	2.67	12.7	1.1	12.3	4.6	31	0.2	0.5	0.5	86	0.43	0.065
1170592	Soil		4.0	41.1	14.6	56	0.4	21.9	11.3	414	3.03	12.3	1.4	3.6	4.0	29	0.3	0.5	0.7	86	0.35	0.044
1170596	Soil		2.3	81.9	12.6	55	0.4	21.7	10.9	354	2.71	9.3	1.2	4.8	3.2	36	0.2	0.6	0.7	81	0.46	0.045
1171712	Soil		1.8	191.9	33.1	53	1.4	16.2	8.3	286	2.52	173.0	1.7	6.6	1.4	21	0.6	11.3	1.8	68	0.22	0.042
1170599	Soil		3.6	82.1	12.8	56	0.3	22.5	12.6	376	3.13	19.6	2.4	4.4	5.0	36	0.1	0.6	0.4	97	0.44	0.050
1170591	Soil		7.8	39.3	19.7	46	0.7	19.1	10.9	532	2.60	37.0	2.8	3.9	2.5	54	0.3	0.8	1.1	67	0.89	0.058
1171714	Soil		1.4	27.6	16.0	61	0.3	24.8	11.9	391	3.37	12.6	0.8	2.6	2.4	18	0.3	0.6	0.3	77	0.21	0.044
1171716	Soil		1.4	42.8	24.4	57	0.2	25.5	13.2	396	3.33	18.1	1.1	5.9	3.7	25	0.3	1.0	1.1	83	0.27	0.043
1171718	Soil		2.0	60.1	26.1	75	0.4	28.2	13.7	461	3.49	85.0	1.3	4.7	4.1	22	0.4	2.0	1.3	87	0.29	0.037
1176849	Soil		6.2	51.6	50.7	88	0.6	24.6	14.2	549	3.13	43.7	5.4	9.0	18.2	45	0.4	6.1	1.3	82	0.41	0.085
1171715	Soil		1.4	36.7	30.5	55	0.3	21.0	11.5	353	3.29	53.1	0.9	4.6	2.7	22	0.6	2.5	1.8	87	0.26	0.038
1165736	Soil		6.4	46.6	42.1	68	0.6	22.4	11.9	469	3.05	30.9	13.4	7.2	22.6	41	0.5	6.4	3.0	82	0.48	0.092
1171731	Soil		2.3	80.9	60.5	77	0.9	21.1	11.2	399	2.64	112.3	4.5	12.3	10.2	26	0.8	10.8	15.5	67	0.37	0.056
1171717	Soil		1.3	28.8	14.1	50	0.2	11.5	5.7	275	1.85	12.8	0.6	0.9	0.4	23	0.5	0.6	0.4	46	0.26	0.050
1176850	Soil		4.5	49.5	35.0	69	0.5	26.6	12.5	470	3.12	27.0	6.6	11.2	17.1	52	0.3	7.1	1.4	86	0.53	0.079

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Project: WLF
 Report Date: January 04, 2012

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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	0.1	0.05	1	0.5	0.2
1171702	Soil	8	38	0.46	100	0.089	3	2.78	0.012	0.03	0.2	0.06	3.0	0.1	<0.05	7	<0.5	<0.2
1171703	Soil	19	49	0.68	94	0.086	2	1.83	0.022	0.09	0.7	0.05	3.7	0.4	0.08	6	0.9	0.3
1171704	Soil	11	36	0.64	88	0.132	2	1.76	0.017	0.08	3.2	0.03	3.8	0.3	<0.05	6	0.5	<0.2
1171705	Soil	9	39	0.53	97	0.117	3	1.63	0.015	0.05	0.4	0.06	2.7	0.1	0.06	7	<0.5	<0.2
1171706	Soil	9	36	0.59	104	0.124	2	1.68	0.021	0.08	1.1	0.03	3.2	0.3	<0.05	5	<0.5	<0.2
1171707	Soil	9	37	0.61	134	0.090	2	2.23	0.013	0.06	0.3	0.05	3.0	0.2	<0.05	6	<0.5	<0.2
1171708	Soil	14	38	0.62	83	0.100	4	1.57	0.017	0.09	0.5	0.09	5.2	0.6	<0.05	5	<0.5	<0.2
1171709	Soil	9	38	0.69	78	0.155	2	2.42	0.019	0.08	0.5	0.04	3.8	0.3	<0.05	6	0.8	<0.2
1171730	Soil	6	14	0.12	78	0.051	<1	0.88	0.015	0.03	0.2	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
1170594	Soil	12	32	0.55	152	0.121	2	1.99	0.023	0.06	1.0	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
1170597	Soil	9	31	0.57	148	0.126	1	2.03	0.020	0.06	0.3	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
1170590	Soil	14	32	0.68	182	0.150	2	2.06	0.033	0.07	5.8	0.02	4.4	0.2	<0.05	6	0.7	<0.2
1170595	Soil	10	32	0.59	138	0.128	2	1.71	0.024	0.05	0.4	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
1176835	Soil	12	34	0.69	162	0.153	1	2.32	0.019	0.06	0.4	0.02	4.0	0.2	<0.05	7	0.6	<0.2
1170600	Soil	12	31	0.71	171	0.155	1	2.05	0.022	0.06	0.6	0.03	3.8	0.2	<0.05	7	0.5	<0.2
1170598	Soil	11	42	0.71	158	0.168	2	1.61	0.022	0.11	0.6	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
1170592	Soil	12	34	0.54	182	0.112	1	2.48	0.021	0.06	1.2	0.03	3.7	0.1	<0.05	7	<0.5	<0.2
1170596	Soil	11	40	0.73	182	0.150	2	1.89	0.026	0.06	0.4	0.01	4.0	0.1	<0.05	6	<0.5	<0.2
1171712	Soil	9	24	0.41	93	0.079	2	1.43	0.017	0.05	0.3	0.06	2.5	0.4	<0.05	6	0.6	<0.2
1170599	Soil	12	37	0.82	200	0.175	2	2.20	0.024	0.10	0.5	0.03	4.1	0.3	<0.05	6	<0.5	<0.2
1170591	Soil	13	30	0.51	212	0.089	2	2.36	0.026	0.04	0.7	0.05	4.2	0.2	<0.05	6	0.6	<0.2
1171714	Soil	8	37	0.54	154	0.094	2	2.65	0.014	0.04	0.1	0.05	3.3	0.1	<0.05	7	0.6	<0.2
1171716	Soil	9	36	0.60	130	0.108	2	2.29	0.017	0.06	0.5	0.05	3.4	0.2	<0.05	6	<0.5	<0.2
1171718	Soil	9	37	0.62	124	0.118	2	2.03	0.016	0.05	0.9	0.04	3.3	0.2	<0.05	7	<0.5	<0.2
1176849	Soil	17	45	0.66	101	0.124	2	1.78	0.019	0.08	0.7	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
1171715	Soil	8	35	0.58	123	0.111	2	2.12	0.015	0.06	0.4	0.06	3.1	0.2	<0.05	7	<0.5	<0.2
1165736	Soil	23	47	0.65	122	0.133	2	1.64	0.023	0.09	1.9	0.03	4.5	0.3	<0.05	6	0.6	<0.2
1171731	Soil	13	28	0.54	110	0.100	3	1.49	0.019	0.04	9.4	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
1171717	Soil	7	16	0.25	111	0.052	2	1.10	0.019	0.03	0.2	0.05	1.3	0.1	0.08	4	<0.5	<0.2
1176850	Soil	19	46	0.70	121	0.134	2	1.83	0.023	0.07	1.1	0.04	4.0	0.2	<0.05	6	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	
		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	
1171719	Soil	0.8	44.9	10.1	53	0.2	30.7	12.7	415	3.14	10.0	0.9	3.2	4.6	23	0.1	0.5	0.3	79	0.27	0.022
1170593	Soil	6.7	51.2	12.9	55	0.3	23.1	12.3	583	2.86	12.5	2.1	4.7	3.5	34	0.2	0.5	0.8	74	0.49	0.053
1171710	Soil	1.3	57.4	34.0	55	0.3	20.3	10.1	330	3.19	80.2	0.6	10.0	2.8	18	0.4	1.5	1.9	85	0.21	0.031
1171711	Soil	1.6	26.0	12.7	61	0.3	15.0	9.9	505	2.97	9.6	0.5	2.9	0.9	17	0.9	0.9	0.4	82	0.17	0.036
1165737	Soil	3.6	45.8	41.8	70	0.6	23.1	10.2	235	2.82	26.4	10.7	5.2	18.3	33	0.4	9.0	1.8	77	0.44	0.081
1165741	Soil	7.8	47.5	37.8	93	0.6	21.7	14.8	793	3.62	78.3	5.7	9.6	23.1	30	0.5	20.3	6.6	89	0.42	0.101
1176848	Soil	7.1	43.2	41.5	71	0.4	27.3	12.4	552	3.10	22.7	6.1	2.7	13.9	37	0.4	6.6	0.6	80	0.51	0.095
1176840	Soil	14.9	163.8	17.2	63	0.5	21.4	17.1	885	3.74	22.3	2.8	10.4	5.7	56	0.1	1.1	0.7	125	0.41	0.091
1176842	Soil	19.9	126.2	48.5	98	0.6	31.3	12.6	453	3.58	120.6	3.6	12.2	13.3	40	0.5	1.8	2.5	87	0.39	0.084
1176841	Soil	50.7	395.5	38.3	80	2.7	24.3	9.6	374	3.09	79.4	4.8	6.6	8.9	37	0.8	2.5	18.0	83	0.39	0.090
1176843	Soil	18.1	125.8	48.2	97	0.6	30.9	12.2	459	3.56	119.4	3.6	9.3	13.5	42	0.5	2.0	2.6	86	0.44	0.091
1176844	Soil	9.3	133.1	33.3	73	1.0	22.9	8.1	280	3.00	229.6	4.1	3.6	10.7	35	0.5	31.1	3.2	77	0.34	0.065
1165739	Soil	4.5	44.6	49.4	99	1.0	19.2	10.1	420	3.15	43.0	8.3	5.8	13.5	34	0.6	13.2	1.3	80	0.39	0.093
1176838	Soil	6.5	196.4	23.5	60	1.6	16.7	8.9	296	2.68	82.0	1.9	9.1	3.2	40	0.4	1.5	1.7	75	0.42	0.057
1171713	Soil	3.2	88.4	37.3	66	0.6	27.9	13.1	447	3.66	95.2	1.1	6.3	3.2	31	0.4	12.3	2.3	91	0.38	0.031
1176836	Soil	4.4	48.0	21.8	62	0.6	19.7	13.7	439	3.49	19.7	1.2	9.7	4.3	27	0.5	0.6	0.6	95	0.34	0.053
1176847	Soil	7.1	27.5	24.0	69	0.1	18.8	7.9	477	3.17	15.4	1.5	2.5	2.1	27	0.4	3.9	0.6	88	0.29	0.086
1165740	Soil	8.7	49.9	38.1	100	0.6	22.4	14.6	885	3.83	87.6	5.6	4.8	23.7	31	0.6	22.3	6.9	89	0.46	0.110
1165738	Soil	7.4	43.0	39.6	74	0.5	21.9	14.1	787	3.52	28.1	6.1	7.3	17.2	29	0.4	7.4	1.8	92	0.38	0.075
1171723	Soil	2.1	27.9	19.6	42	0.2	16.1	7.0	207	2.71	21.9	0.7	5.4	2.8	16	0.7	1.8	1.1	73	0.18	0.033
1171725	Soil	3.9	32.7	34.7	60	1.2	17.5	6.8	281	2.64	36.9	1.2	<0.5	1.0	39	1.9	1.4	0.7	75	0.52	0.050
1171727	Soil	2.9	123.0	30.8	79	0.7	21.6	10.8	495	2.79	63.3	6.4	5.7	6.7	30	0.8	15.1	4.7	71	0.49	0.067
1171729	Soil	1.9	72.4	42.4	37	1.7	9.3	4.4	144	1.55	59.1	4.0	7.0	2.4	17	0.5	2.5	3.8	34	0.23	0.039
1176845	Soil	4.5	56.3	25.1	59	0.2	28.9	11.7	416	3.17	20.7	5.0	3.8	14.1	46	0.3	2.3	0.6	78	0.41	0.072
1176846	Soil	4.1	25.9	15.3	40	0.3	16.0	6.2	226	2.06	9.9	3.2	4.9	4.9	35	0.3	1.8	0.4	54	0.31	0.061
1171721	Soil	2.8	61.7	26.2	57	0.8	15.1	6.4	271	2.48	26.4	1.3	5.8	1.5	15	1.4	1.9	1.2	72	0.15	0.039
1171724	Soil	2.1	51.4	34.6	58	1.1	21.8	9.7	392	2.56	78.7	2.5	5.1	4.0	37	0.5	3.5	2.0	68	0.55	0.070
1171726	Soil	2.1	44.6	15.1	42	1.3	11.8	5.1	413	1.61	31.4	1.6	5.5	0.8	27	2.0	1.8	1.4	51	0.32	0.042
1171728	Soil	3.9	128.8	51.2	81	1.4	24.3	12.2	508	3.05	127.0	6.3	7.1	5.5	34	0.5	10.4	3.5	69	0.49	0.075
1176837	Soil	3.7	114.7	22.1	66	0.8	20.9	12.6	432	3.30	26.0	1.8	12.2	4.0	37	0.3	0.7	0.5	92	0.43	0.061

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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
1171719	Soil	9	37	0.69	162	0.132	3	2.38	0.021	0.05	0.4	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
1170593	Soil	13	31	0.58	183	0.111	2	2.15	0.023	0.06	2.0	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
1171710	Soil	8	33	0.52	117	0.116	2	1.90	0.015	0.05	0.6	0.05	3.1	0.2	<0.05	7	0.5	<0.2
1171711	Soil	8	30	0.36	145	0.087	<1	1.81	0.016	0.03	<0.1	0.03	2.1	0.2	<0.05	8	<0.5	<0.2
1165737	Soil	20	44	0.70	131	0.118	2	1.87	0.023	0.07	0.9	0.05	4.7	0.2	<0.05	6	<0.5	<0.2
1165741	Soil	22	46	0.82	87	0.112	1	1.88	0.015	0.13	19.5	0.03	4.5	0.4	<0.05	7	<0.5	<0.2
1176848	Soil	15	47	0.72	118	0.131	1	1.81	0.022	0.08	0.5	0.02	3.4	0.1	<0.05	6	0.7	<0.2
1176840	Soil	11	53	1.08	191	0.210	2	2.35	0.016	0.17	0.4	0.02	5.5	0.4	<0.05	8	0.7	<0.2
1176842	Soil	15	49	0.78	137	0.126	2	2.25	0.016	0.09	1.8	0.04	3.1	0.2	<0.05	7	<0.5	<0.2
1176841	Soil	18	47	0.66	121	0.112	2	1.86	0.017	0.08	10.1	0.05	3.0	0.2	<0.05	7	<0.5	<0.2
1176843	Soil	16	51	0.77	135	0.136	2	2.18	0.018	0.09	1.9	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
1176844	Soil	16	44	0.62	113	0.112	2	1.85	0.014	0.08	0.7	0.05	3.3	0.2	<0.05	7	<0.5	<0.2
1165739	Soil	17	39	0.61	114	0.093	1	1.98	0.015	0.07	1.0	0.05	3.9	0.2	<0.05	8	<0.5	<0.2
1176838	Soil	10	26	0.61	181	0.148	<1	2.02	0.020	0.08	0.6	0.04	3.7	0.3	<0.05	6	0.5	<0.2
1171713	Soil	9	38	0.68	184	0.112	2	2.70	0.014	0.05	0.2	0.03	3.8	0.2	<0.05	7	0.6	<0.2
1176836	Soil	9	31	0.67	156	0.168	2	2.45	0.018	0.09	0.5	0.04	3.3	0.3	<0.05	8	0.7	<0.2
1176847	Soil	10	37	0.41	121	0.075	2	1.53	0.012	0.05	0.4	0.04	2.1	0.1	<0.05	8	<0.5	<0.2
1165740	Soil	23	47	0.87	97	0.120	2	1.98	0.014	0.15	21.4	0.02	4.5	0.4	<0.05	8	<0.5	<0.2
1165738	Soil	16	46	0.68	109	0.130	2	1.77	0.015	0.08	1.2	0.03	3.4	0.2	<0.05	8	0.7	<0.2
1171723	Soil	7	28	0.41	77	0.110	<1	1.43	0.014	0.04	0.9	0.03	2.3	0.2	<0.05	6	0.7	<0.2
1171725	Soil	9	28	0.32	191	0.065	<1	1.43	0.011	0.04	0.3	0.05	1.6	0.2	0.07	7	0.6	<0.2
1171727	Soil	15	30	0.60	123	0.105	2	1.54	0.019	0.08	4.6	0.04	3.2	0.2	<0.05	6	<0.5	<0.2
1171729	Soil	10	17	0.22	81	0.053	1	1.23	0.020	0.04	0.7	0.05	1.9	0.1	<0.05	4	<0.5	<0.2
1176845	Soil	16	47	0.72	143	0.128	<1	2.08	0.018	0.08	0.4	0.03	4.1	0.2	<0.05	6	<0.5	<0.2
1176846	Soil	12	28	0.42	108	0.089	2	1.35	0.018	0.05	0.3	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
1171721	Soil	8	24	0.28	116	0.087	1	1.30	0.012	0.05	0.3	0.04	2.0	0.2	<0.05	7	<0.5	<0.2
1171724	Soil	11	33	0.53	111	0.088	3	1.40	0.019	0.06	4.7	0.06	2.3	0.2	0.06	5	<0.5	<0.2
1171726	Soil	6	17	0.19	143	0.066	<1	0.77	0.016	0.04	0.3	0.04	1.4	0.2	<0.05	5	<0.5	<0.2
1171728	Soil	17	33	0.61	181	0.097	2	2.11	0.025	0.07	1.0	0.05	3.8	0.2	<0.05	7	0.5	<0.2
1176837	Soil	11	33	0.77	192	0.184	1	2.35	0.021	0.09	0.6	0.03	4.1	0.3	<0.05	7	<0.5	<0.2



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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000378.2

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	0.1	2	0.01	0.001
1176839	Soil		9.5	214.1	25.3	75	0.6	22.0	11.9	424	3.36	41.7	1.7	18.7	4.5	42	0.4	3.4	3.3	105	0.47	0.067
1171722	Soil		2.3	22.3	15.0	49	0.3	14.4	8.8	381	3.28	14.3	0.6	1.6	1.6	20	0.6	0.9	0.5	89	0.24	0.034
1171720	Soil		1.6	29.2	9.0	52	0.3	13.1	6.1	405	1.83	4.5	0.6	2.2	0.5	19	1.0	0.5	0.4	52	0.20	0.056
1204483	Soil		1.7	19.5	11.4	40	0.1	14.0	5.5	176	2.96	9.9	0.5	2.3	0.7	18	0.3	0.7	0.3	84	0.15	0.048
1204487	Soil		0.8	21.7	15.7	55	0.1	22.3	9.9	321	2.49	8.7	0.5	1.3	1.8	35	0.3	0.6	0.1	69	0.42	0.063
1204488	Soil		0.9	25.5	18.5	62	0.2	30.1	13.0	366	3.14	12.4	0.6	2.9	3.3	22	0.3	0.7	0.1	78	0.25	0.028
1204484	Soil		1.4	17.7	9.0	49	<0.1	24.4	13.0	383	3.34	10.2	0.7	1.3	2.8	18	0.2	0.6	0.2	70	0.18	0.042
1204468	Soil		1.3	14.8	13.5	41	0.2	14.4	7.6	225	3.20	9.0	0.5	<0.5	1.5	17	0.2	0.5	0.2	77	0.17	0.030
1204485	Soil		1.8	18.4	13.6	36	0.1	11.3	4.9	388	1.87	5.3	0.5	2.3	0.6	33	0.6	0.6	0.3	68	0.24	0.040
1204467	Soil		1.3	20.8	12.3	50	0.2	18.2	9.0	568	2.82	9.3	0.4	3.0	0.4	28	0.2	0.7	0.2	71	0.31	0.050
1204470	Soil		1.4	14.4	7.4	36	<0.1	12.1	5.3	218	2.06	5.4	0.4	<0.5	1.1	23	0.3	0.4	0.1	53	0.23	0.022
1204472	Soil		0.4	5.7	6.2	16	<0.1	3.8	2.1	76	0.81	1.9	0.2	<0.5	0.2	14	<0.1	0.2	<0.1	21	0.14	0.017
1204489	Soil		1.6	17.3	13.7	60	0.2	25.5	13.2	347	3.47	10.5	0.5	2.4	2.0	27	0.3	0.7	0.2	88	0.30	0.043
1204491	Soil		1.4	22.5	15.3	67	0.2	23.4	12.0	573	3.19	10.6	0.5	3.5	0.5	50	0.3	0.7	0.2	75	0.57	0.071
1204493	Soil		1.3	27.1	45.0	52	0.3	16.2	11.9	1015	2.01	9.2	0.5	3.8	0.2	60	0.6	1.1	0.2	50	0.71	0.127
1204494	Soil		1.5	18.3	21.0	55	0.4	18.3	8.6	291	3.33	16.0	0.4	4.2	0.7	24	0.8	1.6	0.2	80	0.26	0.049
1204492	Soil		1.3	17.4	11.7	58	0.1	27.4	12.6	392	3.19	10.9	0.5	5.4	0.8	28	0.3	0.9	0.2	66	0.35	0.056
1204473	Soil		0.8	24.3	14.3	65	0.1	25.6	10.7	341	2.85	11.0	0.6	6.6	2.1	36	0.3	0.7	0.2	71	0.40	0.057
1204466	Soil		0.8	14.2	10.8	48	0.1	19.7	10.0	227	2.66	9.0	0.4	4.8	0.9	21	0.6	0.7	0.1	62	0.20	0.043
1204469	Soil		1.1	14.5	7.5	36	<0.1	12.0	7.9	720	1.97	5.2	0.3	6.7	0.9	31	0.7	0.4	0.1	47	0.31	0.039
1204471	Soil		0.6	19.1	10.8	48	<0.1	22.3	10.4	347	2.88	460.2	0.5	6.0	2.2	26	0.1	1.6	0.1	76	0.40	0.064
1204475	Soil		1.1	12.2	8.3	36	<0.1	11.2	5.8	220	2.76	9.2	0.4	6.0	1.0	14	0.2	0.4	0.2	68	0.12	0.032
1202281	Soil		1.5	22.6	49.0	74	0.3	13.8	8.4	267	2.32	185.2	1.2	5.0	1.0	55	1.2	2.2	0.7	56	0.21	0.057
1204474	Soil		1.0	17.9	17.0	62	0.2	19.7	9.7	307	2.79	20.4	0.6	4.7	1.7	35	0.5	0.7	0.4	73	0.32	0.054
1204490	Soil		1.6	20.4	13.7	62	0.1	25.3	13.8	420	3.10	10.4	0.5	2.0	0.5	32	0.4	0.8	0.2	69	0.36	0.058
1204486	Soil		1.3	15.5	12.9	37	0.2	15.1	6.6	208	2.54	9.1	0.4	2.4	0.8	24	0.3	0.5	0.2	67	0.20	0.045
1204476	Soil		1.0	12.8	7.2	45	<0.1	11.4	5.7	205	2.06	7.8	0.4	6.7	0.5	25	0.3	0.5	0.2	61	0.21	0.053
1204477	Soil		1.5	18.0	10.3	41	<0.1	16.1	7.3	212	3.20	9.6	0.5	3.8	0.9	16	0.3	0.6	0.2	95	0.16	0.035
1204478	Soil		0.9	15.2	8.9	49	<0.1	17.6	12.9	493	2.44	7.8	0.7	9.3	1.1	28	0.2	0.4	0.2	69	0.33	0.068
1204479	Soil		1.0	19.8	7.8	43	0.1	18.8	11.5	344	2.45	7.6	0.7	7.0	1.1	25	<0.1	0.4	0.2	70	0.28	0.065

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 Report Date: January 04, 2012

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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	
1176839	Soil	12	34	0.82	195	0.183	1	2.29	0.021	0.12	4.3	0.01	4.8	0.3	<0.05	7	<0.5	<0.2
1171722	Soil	8	27	0.32	166	0.094	1	1.52	0.011	0.04	0.1	0.02	2.1	0.1	<0.05	8	<0.5	<0.2
1171720	Soil	6	19	0.24	131	0.061	<1	0.95	0.018	0.04	0.2	0.09	1.4	0.1	0.05	5	0.6	<0.2
1204483	Soil	6	29	0.24	88	0.089	1	1.49	0.010	0.03	0.1	0.06	2.0	<0.1	<0.05	8	<0.5	<0.2
1204487	Soil	8	37	0.57	129	0.112	2	1.93	0.016	0.08	0.1	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
1204488	Soil	8	42	0.66	131	0.113	2	3.04	0.019	0.05	0.1	0.05	3.9	0.1	<0.05	6	<0.5	<0.2
1204484	Soil	8	39	0.53	120	0.094	2	3.02	0.016	0.04	<0.1	0.05	3.5	0.1	<0.05	6	<0.5	<0.2
1204468	Soil	6	30	0.30	109	0.085	<1	2.09	0.012	0.03	<0.1	0.04	2.3	<0.1	<0.05	8	<0.5	<0.2
1204485	Soil	7	20	0.15	126	0.078	<1	1.02	0.013	0.04	<0.1	0.04	1.6	0.1	<0.05	6	0.6	<0.2
1204467	Soil	8	28	0.36	165	0.068	2	1.70	0.015	0.03	<0.1	0.07	2.0	<0.1	<0.05	7	<0.5	<0.2
1204470	Soil	6	20	0.27	97	0.071	3	1.27	0.020	0.03	<0.1	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1204472	Soil	2	8	0.10	46	0.037	<1	0.46	0.021	0.02	<0.1	0.02	0.6	<0.1	<0.05	2	<0.5	<0.2
1204489	Soil	8	36	0.51	136	0.113	1	2.54	0.019	0.05	<0.1	0.05	3.3	<0.1	<0.05	8	<0.5	<0.2
1204491	Soil	9	30	0.49	198	0.063	2	2.16	0.014	0.04	<0.1	0.06	2.4	<0.1	0.05	8	<0.5	<0.2
1204493	Soil	7	22	0.32	160	0.030	3	1.22	0.025	0.05	<0.1	0.19	1.1	<0.1	0.12	5	0.5	<0.2
1204494	Soil	7	29	0.36	114	0.067	10	1.97	0.011	0.03	0.1	0.06	2.2	<0.1	<0.05	8	0.6	<0.2
1204492	Soil	8	32	0.57	174	0.065	2	2.59	0.014	0.04	<0.1	0.07	2.5	<0.1	0.06	7	0.6	<0.2
1204473	Soil	10	37	0.65	154	0.114	3	2.24	0.020	0.09	0.1	0.03	3.8	0.2	<0.05	6	0.7	<0.2
1204466	Soil	6	28	0.45	108	0.072	2	2.29	0.015	0.04	<0.1	0.04	2.5	<0.1	<0.05	6	<0.5	<0.2
1204469	Soil	6	18	0.28	147	0.063	<1	1.23	0.022	0.05	<0.1	0.03	1.8	<0.1	<0.05	5	0.6	<0.2
1204471	Soil	9	31	0.56	96	0.102	2	1.55	0.017	0.05	0.2	0.04	2.8	<0.1	<0.05	5	<0.5	<0.2
1204475	Soil	6	23	0.29	64	0.085	2	1.48	0.013	0.03	0.1	0.03	1.8	<0.1	<0.05	7	<0.5	<0.2
1202281	Soil	7	24	0.30	106	0.054	2	1.43	0.019	0.03	0.1	0.08	2.2	0.1	<0.05	6	0.9	<0.2
1204474	Soil	8	31	0.53	124	0.104	3	1.98	0.018	0.08	0.2	0.03	2.9	0.2	<0.05	7	0.6	<0.2
1204490	Soil	7	31	0.48	198	0.058	2	2.21	0.013	0.04	<0.1	0.08	2.2	<0.1	0.06	7	0.6	<0.2
1204486	Soil	6	25	0.30	97	0.075	2	1.69	0.013	0.04	0.1	0.05	2.1	<0.1	<0.05	7	0.8	<0.2
1204476	Soil	4	32	0.30	91	0.074	<1	1.00	0.019	0.06	0.1	0.05	1.4	<0.1	<0.05	5	<0.5	<0.2
1204477	Soil	7	33	0.31	109	0.101	1	1.96	0.010	0.04	<0.1	0.05	2.4	0.1	<0.05	9	0.7	<0.2
1204478	Soil	9	32	0.51	114	0.090	2	1.81	0.019	0.05	0.1	0.07	2.7	0.1	<0.05	6	<0.5	<0.2
1204479	Soil	9	32	0.50	120	0.090	2	2.25	0.018	0.05	0.2	0.05	3.0	0.1	<0.05	6	<0.5	<0.2

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Project: WLF
Report Date: January 04, 2012

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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
1204480	Soil	1.1	22.4	9.5	54	0.2	19.3	11.6	422	2.63	9.3	0.9	5.6	0.8	36	0.2	0.5	0.3	66	0.36	0.087
1204481	Soil	1.2	15.6	8.2	39	<0.1	15.9	7.7	250	2.73	9.2	0.6	5.5	1.2	15	0.2	0.4	0.2	72	0.15	0.043
1204482	Soil	1.2	22.0	8.8	50	0.2	16.0	6.0	285	2.35	8.1	0.6	2.1	0.2	18	0.6	0.5	0.2	76	0.15	0.055
1204301	Soil	1.5	17.7	10.5	35	<0.1	11.4	5.2	134	2.68	7.9	0.4	3.9	0.8	15	0.2	0.6	0.2	72	0.14	0.031
1204302	Soil	0.6	22.8	8.2	50	<0.1	25.4	12.1	330	3.22	11.6	0.7	34.4	2.8	31	0.2	0.5	0.3	102	0.34	0.050
1204303	Soil	1.6	16.9	10.1	37	0.1	10.0	5.7	243	2.72	7.2	0.4	3.3	0.9	15	0.3	0.5	0.2	73	0.14	0.033
1202449	Soil	1.3	13.5	18.8	39	0.2	12.6	6.1	210	2.81	10.1	0.4	4.0	1.4	20	0.2	1.1	0.2	84	0.17	0.032
1202300	Soil	1.0	12.7	9.9	29	0.2	10.0	4.7	151	1.94	5.3	0.3	2.7	0.5	14	0.2	0.4	0.1	48	0.12	0.032
1202189	Soil	1.3	13.2	10.0	33	0.1	10.3	4.6	223	1.78	4.8	0.3	1.4	0.5	30	0.3	0.5	0.1	49	0.39	0.027
1202299	Soil	0.8	8.2	6.9	28	0.1	7.2	5.1	181	1.71	7.4	0.4	2.8	0.7	15	0.1	0.2	0.1	42	0.14	0.037
1202334	Soil	1.1	21.5	12.8	50	0.1	18.2	11.2	432	2.27	18.1	0.8	4.4	1.1	39	0.2	0.5	0.2	60	0.36	0.079
1202184	Soil	0.7	11.4	6.1	30	<0.1	8.1	4.1	137	1.76	4.9	0.3	4.8	0.6	13	0.2	0.3	0.1	50	0.12	0.031
1202183	Soil	1.3	24.7	15.5	49	0.2	19.6	11.1	423	2.71	12.0	0.9	4.7	1.8	27	0.2	0.5	0.3	68	0.27	0.042
1202185	Soil	1.2	13.6	11.0	34	0.2	9.0	4.8	136	2.10	7.4	0.3	2.2	1.2	12	0.2	0.4	0.2	60	0.11	0.024
1202186	Soil	1.7	13.3	11.2	33	<0.1	11.6	7.2	328	2.27	8.2	0.4	2.1	1.1	20	0.3	0.5	0.2	63	0.17	0.025
1202187	Soil	1.1	18.8	12.4	48	0.2	25.4	10.8	295	3.11	10.1	0.4	2.1	1.8	27	0.3	0.7	0.2	79	0.31	0.029
1202188	Soil	1.2	20.2	14.4	50	0.1	26.3	12.7	554	3.37	9.5	0.5	4.7	1.7	29	0.3	0.6	0.2	81	0.31	0.032
1202336	Soil	1.1	16.0	9.9	43	<0.1	15.8	7.7	255	3.18	15.2	0.5	3.7	1.3	22	0.1	0.5	0.2	85	0.22	0.043
1202337	Soil	1.3	16.0	9.1	53	<0.1	17.0	7.9	271	2.87	11.6	0.4	9.8	0.7	22	0.3	0.5	0.2	78	0.23	0.045
1202338	Soil	0.5	22.9	7.8	51	<0.1	22.5	10.0	202	2.32	7.4	0.8	20.0	2.3	28	0.2	0.5	0.1	67	0.37	0.070
1202339	Soil	0.9	20.1	8.0	46	<0.1	19.1	9.5	553	2.77	13.6	0.7	11.1	1.6	28	0.2	0.5	0.2	68	0.30	0.049
1202340	Soil	0.5	7.6	4.7	23	<0.1	4.4	3.0	102	1.35	9.2	0.2	4.4	0.4	9	0.1	0.2	0.1	38	0.08	0.019
1202341	Soil	0.6	19.5	8.3	49	<0.1	23.8	11.8	316	2.82	41.0	0.5	13.1	2.0	26	0.2	0.6	0.2	85	0.27	0.046
1202342	Soil	0.9	17.9	7.6	46	<0.1	14.8	7.0	236	2.48	10.4	0.4	3.5	0.7	13	0.1	0.4	0.2	56	0.13	0.047
1202343	Soil	0.5	8.3	3.9	19	<0.1	4.7	2.3	73	1.06	4.2	0.2	1.7	0.1	9	0.1	0.2	0.1	30	0.08	0.039
1202344	Soil	1.5	14.7	10.2	42	0.1	16.1	8.2	222	2.68	20.4	0.5	4.5	0.8	24	0.2	0.5	0.2	69	0.20	0.051
1202345	Soil	0.4	2.9	1.9	19	<0.1	1.9	2.3	84	1.01	2.2	0.1	1.4	<0.1	6	<0.1	0.1	<0.1	28	0.06	0.018
1202346	Soil	1.2	17.4	10.9	57	<0.1	16.5	8.6	278	2.47	19.6	0.8	6.9	1.0	22	0.2	0.5	0.2	63	0.23	0.071
1202348	Soil	1.0	12.9	8.3	30	<0.1	8.4	3.7	195	1.66	8.1	0.4	5.3	0.5	11	0.2	0.4	0.2	53	0.11	0.037
1202349	Soil	1.0	23.6	16.0	44	0.3	17.6	8.0	299	2.15	88.2	0.7	7.1	1.1	62	0.4	1.2	0.2	53	0.66	0.066

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Project: WLF
 Report Date: January 04, 2012

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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
1204480	Soil	9	35	0.47	144	0.081	2	2.36	0.018	0.07	0.1	0.07	3.2	0.1	0.05	7	<0.5	<0.2
1204481	Soil	7	32	0.39	78	0.080	1	2.27	0.013	0.04	<0.1	0.04	2.4	0.1	<0.05	7	<0.5	<0.2
1204482	Soil	5	33	0.20	92	0.065	1	1.16	0.013	0.05	<0.1	0.05	1.2	<0.1	<0.05	7	<0.5	<0.2
1204301	Soil	6	24	0.26	99	0.054	1	1.69	0.013	0.02	<0.1	0.03	1.9	0.1	<0.05	8	0.5	<0.2
1204302	Soil	9	43	0.51	97	0.151	2	1.92	0.021	0.06	0.2	0.06	2.8	<0.1	<0.05	5	<0.5	<0.2
1204303	Soil	6	23	0.21	88	0.076	<1	1.40	0.011	0.03	<0.1	0.05	1.7	<0.1	<0.05	8	<0.5	<0.2
1202449	Soil	6	25	0.29	92	0.094	1	1.55	0.015	0.04	0.1	0.03	2.0	<0.1	<0.05	8	<0.5	<0.2
1202300	Soil	4	18	0.18	68	0.051	1	1.22	0.014	0.02	<0.1	0.04	1.3	<0.1	<0.05	5	<0.5	<0.2
1202189	Soil	4	17	0.22	79	0.055	<1	0.92	0.021	0.03	<0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1202299	Soil	4	14	0.23	60	0.065	<1	1.02	0.024	0.03	<0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1202334	Soil	8	29	0.46	131	0.060	1	1.87	0.022	0.04	0.1	0.06	2.5	0.1	0.06	6	<0.5	<0.2
1202184	Soil	4	16	0.22	65	0.068	<1	0.89	0.016	0.02	<0.1	0.02	1.3	<0.1	<0.05	5	0.6	<0.2
1202183	Soil	10	33	0.44	164	0.091	2	2.23	0.022	0.06	0.1	0.04	3.6	0.2	<0.05	6	0.6	<0.2
1202185	Soil	5	20	0.19	84	0.073	1	1.39	0.014	0.03	<0.1	0.03	1.6	<0.1	<0.05	6	<0.5	<0.2
1202186	Soil	5	22	0.31	127	0.092	<1	1.55	0.019	0.04	<0.1	0.02	1.9	0.1	<0.05	6	<0.5	<0.2
1202187	Soil	7	37	0.60	123	0.094	2	2.62	0.014	0.05	<0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
1202188	Soil	7	36	0.59	199	0.095	2	2.47	0.018	0.04	0.1	0.02	3.0	<0.1	<0.05	7	<0.5	<0.2
1202336	Soil	7	31	0.42	107	0.100	2	2.01	0.015	0.04	0.1	0.05	2.4	0.1	<0.05	8	0.5	<0.2
1202337	Soil	6	28	0.35	99	0.096	2	1.64	0.012	0.04	0.1	0.06	2.2	<0.1	0.06	7	<0.5	<0.2
1202338	Soil	10	34	0.57	103	0.129	2	2.08	0.022	0.06	0.3	0.06	3.1	0.1	<0.05	5	0.5	<0.2
1202339	Soil	8	34	0.56	118	0.101	2	1.99	0.018	0.06	0.2	0.05	3.3	<0.1	<0.05	6	<0.5	<0.2
1202340	Soil	3	10	0.13	37	0.065	<1	0.57	0.016	0.02	0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1202341	Soil	8	35	0.53	103	0.139	2	2.24	0.019	0.06	0.2	0.05	2.8	0.1	<0.05	6	<0.5	<0.2
1202342	Soil	6	25	0.32	94	0.067	1	1.84	0.012	0.03	0.1	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
1202343	Soil	3	10	0.09	36	0.046	1	0.50	0.014	0.02	<0.1	0.03	0.9	<0.1	<0.05	3	0.7	<0.2
1202344	Soil	7	27	0.35	99	0.088	2	1.83	0.018	0.04	0.1	0.08	2.3	<0.1	<0.05	7	0.6	<0.2
1202345	Soil	2	6	0.11	13	0.050	<1	0.30	0.016	0.02	<0.1	<0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
1202346	Soil	8	29	0.43	112	0.083	2	2.11	0.016	0.05	0.2	0.07	2.6	0.1	<0.05	6	0.5	<0.2
1202348	Soil	5	19	0.20	42	0.069	<1	0.97	0.013	0.03	<0.1	0.05	1.3	<0.1	<0.05	6	0.5	<0.2
1202349	Soil	16	26	0.42	221	0.073	2	1.68	0.021	0.06	0.2	0.06	3.4	0.1	0.05	5	<0.5	<0.2

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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	
1202328	Soil	1.3	11.5	5.6	20	0.2	6.9	3.2	265	0.91	2.2	0.2	1.8	0.3	36	0.5	0.2	0.1	26	0.47	0.033
1202329	Soil	1.1	16.9	7.4	25	0.2	9.5	4.9	289	1.45	3.9	0.3	3.2	0.3	24	0.3	0.3	0.1	40	0.26	0.029
1202330	Soil	1.2	22.1	14.0	55	0.2	24.2	11.8	302	3.34	13.1	0.5	2.1	2.1	26	0.3	0.7	0.2	79	0.32	0.028
1202331	Soil	1.1	10.8	9.6	27	0.2	6.5	2.8	123	1.56	3.9	0.3	3.3	0.4	14	0.3	0.4	0.1	41	0.15	0.033
1202332	Soil	0.7	19.4	9.9	20	0.4	7.2	3.2	304	0.70	1.9	0.7	6.0	<0.1	62	1.0	0.7	0.1	16	0.88	0.087
1202335	Soil	0.7	20.7	19.0	60	<0.1	21.4	14.0	435	2.77	17.1	0.7	26.7	1.9	39	0.2	0.6	0.2	76	0.33	0.058
1202347	Soil	1.0	12.1	9.2	25	0.1	7.8	3.8	150	1.63	8.8	0.4	3.4	0.5	13	0.1	0.3	0.2	56	0.11	0.036
1202350	Soil	0.9	20.7	12.2	43	0.2	20.2	8.8	258	2.44	15.0	0.4	1.9	1.0	47	0.2	0.7	0.1	59	0.54	0.033
1202301	Soil	0.7	35.0	5.4	41	<0.1	41.8	13.0	313	2.68	5.9	0.4	2.3	1.4	25	0.1	0.3	0.1	69	0.39	0.049
1202302	Soil	0.9	27.4	5.4	41	<0.1	35.5	12.4	311	2.66	4.7	0.4	19.1	1.4	26	<0.1	0.2	0.1	70	0.38	0.039
1202303	Soil	0.7	31.8	4.5	52	<0.1	52.7	18.4	469	3.43	6.8	0.4	3.0	1.9	34	<0.1	0.2	<0.1	81	0.63	0.122
1202304	Soil	0.7	31.3	5.0	50	<0.1	49.1	16.4	395	3.21	10.0	0.5	1.5	2.3	32	<0.1	0.2	<0.1	77	0.54	0.088
1202305	Soil	0.9	28.7	16.8	53	<0.1	28.6	12.7	356	2.85	6.6	0.7	2.2	7.2	43	<0.1	0.3	0.2	56	0.39	0.064
1202306	Soil	1.1	22.9	16.1	56	<0.1	24.6	11.4	396	2.84	6.9	0.6	4.0	7.1	20	0.2	0.3	1.2	43	0.24	0.049
1202307	Soil	2.5	31.6	46.9	139	0.1	37.2	16.2	497	4.09	17.0	0.8	1.8	10.2	44	0.2	0.6	0.4	49	0.39	0.116
1202308	Soil	1.3	36.4	28.7	85	0.3	36.7	14.4	800	3.50	22.8	1.1	1.8	9.3	78	0.2	0.7	0.2	49	0.81	0.110
1202309	Soil	0.8	33.7	15.8	60	0.1	37.0	13.8	496	3.09	8.3	0.9	2.0	5.9	52	0.2	0.3	0.2	57	0.66	0.067
1202310	Soil	0.8	33.6	11.9	57	<0.1	46.4	14.4	460	2.92	7.0	0.6	2.5	4.6	38	0.1	0.3	0.1	58	0.60	0.052
1202311	Soil	1.2	33.9	12.3	61	<0.1	55.5	17.0	600	3.30	10.1	0.5	2.9	4.1	35	0.2	0.3	0.2	68	0.57	0.054
1202312	Soil	1.0	33.4	13.1	60	<0.1	52.9	16.7	577	3.22	9.9	0.5	1.6	4.0	37	0.1	0.3	0.1	66	0.57	0.052
1202313	Soil	1.0	30.3	9.6	55	<0.1	45.9	16.0	602	3.01	7.9	0.5	2.0	3.2	32	0.1	0.3	0.1	65	0.51	0.050
1202314	Soil	0.9	22.5	9.1	54	<0.1	31.4	9.9	398	2.32	5.6	0.5	2.5	3.2	37	0.2	0.3	0.1	51	0.68	0.050
1202315	Soil	0.8	26.7	18.4	44	<0.1	31.5	11.3	396	2.47	6.7	0.9	2.0	8.0	33	<0.1	0.3	0.2	57	0.50	0.036
1202316	Soil	0.6	21.9	10.1	44	<0.1	30.2	11.0	290	2.48	5.5	0.6	1.6	5.0	27	<0.1	0.3	0.1	56	0.42	0.039
1202317	Soil	0.7	28.7	10.3	47	<0.1	34.6	13.3	332	2.79	6.7	0.8	3.4	4.6	30	<0.1	0.3	0.2	69	0.48	0.041
1202318	Soil	0.7	47.0	100.9	71	0.5	43.0	13.0	320	2.78	11.4	0.8	4.3	5.5	28	0.2	0.3	0.5	66	0.42	0.058
1202319	Soil	0.6	33.4	11.4	54	<0.1	35.5	13.2	418	2.81	6.5	0.7	3.5	4.9	29	0.1	0.3	0.2	68	0.50	0.059
1202320	Soil	0.9	37.7	9.7	59	<0.1	51.1	14.3	366	3.29	6.2	0.7	4.4	5.4	23	<0.1	0.3	0.4	63	0.40	0.057
1202321	Soil	0.9	22.6	8.7	46	<0.1	29.4	11.9	319	2.96	6.4	0.6	1.1	2.9	26	<0.1	0.3	0.2	75	0.41	0.027
1202322	Soil	0.5	116.2	13.6	83	0.2	105.7	29.6	1042	5.50	35.0	1.1	6.5	10.4	23	0.1	0.6	0.3	79	0.45	0.073

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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	
1202328	Soil	3	9	0.10	121	0.038	1	0.52	0.017	0.03	<0.1	0.03	1.1	<0.1	<0.05	2	<0.5	<0.2
1202329	Soil	4	14	0.16	112	0.046	<1	0.78	0.019	0.03	<0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1202330	Soil	8	39	0.60	141	0.082	2	2.80	0.014	0.05	<0.1	0.03	3.8	<0.1	<0.05	7	0.6	<0.2
1202331	Soil	4	14	0.13	66	0.048	<1	0.88	0.013	0.03	<0.1	0.04	1.3	<0.1	<0.05	5	<0.5	<0.2
1202332	Soil	12	10	0.10	122	0.017	2	0.60	0.017	0.03	<0.1	0.07	1.0	<0.1	0.10	1	<0.5	<0.2
1202335	Soil	8	33	0.55	103	0.118	2	1.85	0.023	0.05	0.2	0.04	2.9	0.1	<0.05	5	<0.5	<0.2
1202347	Soil	5	18	0.19	53	0.073	<1	0.97	0.012	0.03	<0.1	0.03	1.5	<0.1	<0.05	6	<0.5	<0.2
1202350	Soil	6	27	0.44	174	0.073	2	1.90	0.016	0.05	0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
1202301	Soil	7	70	0.97	115	0.096	2	1.97	0.014	0.04	<0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1202302	Soil	7	64	0.88	130	0.104	<1	2.14	0.019	0.03	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
1202303	Soil	11	81	1.21	156	0.073	3	2.37	0.016	0.05	<0.1	<0.01	5.9	<0.1	<0.05	6	<0.5	<0.2
1202304	Soil	12	77	1.19	143	0.079	2	2.15	0.016	0.04	<0.1	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
1202305	Soil	26	43	0.93	185	0.082	<1	1.99	0.015	0.10	<0.1	0.02	3.7	0.1	<0.05	5	<0.5	<0.2
1202306	Soil	28	29	0.77	216	0.053	1	1.96	0.012	0.08	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
1202307	Soil	36	33	1.03	228	0.092	2	1.85	0.010	0.23	<0.1	0.02	4.3	0.2	<0.05	5	0.6	<0.2
1202308	Soil	60	47	1.00	425	0.087	2	1.85	0.017	0.19	<0.1	0.03	5.2	0.2	<0.05	5	0.6	<0.2
1202309	Soil	27	54	1.00	619	0.083	2	1.93	0.017	0.10	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
1202310	Soil	18	70	1.13	562	0.082	1	1.98	0.015	0.06	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1202311	Soil	16	81	1.21	616	0.076	2	2.23	0.016	0.07	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
1202312	Soil	16	78	1.18	656	0.076	1	2.29	0.017	0.06	0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
1202313	Soil	15	69	1.10	535	0.079	2	2.15	0.017	0.06	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
1202314	Soil	13	47	0.74	471	0.071	2	1.56	0.016	0.09	<0.1	0.03	3.0	<0.1	<0.05	5	0.6	<0.2
1202315	Soil	24	50	0.76	497	0.075	1	1.76	0.019	0.07	<0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1202316	Soil	15	50	0.77	361	0.081	1	1.73	0.018	0.05	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
1202317	Soil	15	60	0.82	321	0.091	2	1.91	0.020	0.06	<0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
1202318	Soil	20	108	0.89	301	0.074	2	1.81	0.017	0.06	0.1	0.65	6.1	<0.1	<0.05	5	<0.5	<0.2
1202319	Soil	19	77	0.82	340	0.084	2	1.87	0.021	0.06	<0.1	0.04	6.7	<0.1	<0.05	5	<0.5	<0.2
1202320	Soil	18	90	0.86	211	0.057	2	1.80	0.014	0.05	<0.1	0.03	7.0	<0.1	<0.05	5	<0.5	<0.2
1202321	Soil	11	59	0.70	197	0.101	2	2.04	0.019	0.04	<0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
1202322	Soil	33	129	2.09	176	0.014	2	2.48	0.009	0.07	<0.1	0.05	18.8	<0.1	<0.05	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000378.2

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
1202323	Soil	0.9	54.5	31.2	82	0.2	39.7	26.7	644	5.44	41.6	1.6	16.2	8.8	29	0.3	0.6	0.2	58	0.31	0.057
1202324	Soil	0.9	48.3	28.0	76	0.1	36.8	23.2	523	4.93	39.5	1.4	13.0	8.5	25	0.2	0.6	0.2	60	0.25	0.048
1202325	Soil	1.0	77.2	15.4	80	0.2	67.6	28.8	955	4.35	34.3	0.8	2.6	8.7	66	0.2	2.0	0.2	99	1.28	0.099
1202326	Soil	1.4	32.2	12.5	61	<0.1	29.7	13.1	543	3.11	21.1	0.5	2.7	3.9	49	0.2	0.8	0.2	81	0.76	0.041
1202327	Soil	1.0	26.5	14.3	52	0.1	24.2	11.8	436	3.07	14.1	0.7	3.6	4.3	43	<0.1	0.7	0.2	73	0.68	0.032
1171586	Soil	5.4	48.0	35.1	62	0.5	28.7	11.8	394	3.46	24.0	7.8	8.6	18.4	40	0.3	8.8	0.6	91	0.49	0.096
1171587	Soil	5.7	44.4	33.2	76	0.3	28.5	12.6	460	3.36	35.7	7.8	3.2	20.4	34	0.3	20.1	0.7	86	0.44	0.097
1171588	Soil	6.4	48.0	26.6	78	0.3	25.3	14.8	716	4.10	60.3	5.6	8.5	24.3	45	0.2	19.9	1.6	101	0.48	0.140
1171589	Soil	4.1	59.8	30.4	67	1.0	20.9	10.5	417	3.13	54.1	8.1	4.4	15.4	31	0.4	23.8	1.9	76	0.36	0.080
1171590	Soil	2.3	55.0	31.5	53	1.8	15.0	4.8	133	1.93	22.5	8.0	5.0	4.4	27	0.4	24.2	1.3	46	0.31	0.081
1171941	Soil	14.9	116.4	20.2	66	0.5	22.9	14.2	469	3.53	30.1	3.7	6.4	4.8	35	0.3	0.9	0.8	98	0.45	0.054
1171577	Soil	28.8	316.4	27.6	81	0.9	53.4	20.6	677	3.93	115.8	4.5	13.5	7.7	88	0.4	16.1	4.9	126	0.81	0.103
1171578	Soil	35.2	155.7	17.2	64	1.4	21.4	9.1	249	3.01	21.1	2.2	5.7	4.6	24	0.3	1.0	3.4	96	0.31	0.047
1171579	Soil	39.4	152.8	33.1	83	0.9	17.8	9.2	303	3.08	38.6	2.0	6.3	5.0	28	0.5	3.5	1.8	97	0.30	0.055
1171580	Soil	45.5	311.9	25.6	65	1.1	20.7	11.7	360	3.31	26.1	3.5	15.9	7.4	38	0.5	3.3	1.5	96	0.35	0.059
1171581	Soil	8.1	36.8	18.9	32	0.8	10.2	3.7	105	1.39	9.3	2.6	3.4	4.2	22	0.3	0.9	0.7	46	0.21	0.030
1171582	Soil	9.4	64.7	30.7	47	0.7	23.3	10.6	243	2.84	31.3	2.6	3.8	10.0	25	0.3	3.7	5.2	79	0.25	0.060
1171583	Soil	1.8	5.8	7.0	14	0.8	2.4	1.5	61	0.55	2.4	0.4	0.6	0.4	9	0.3	0.5	0.2	17	0.07	0.012
1171584	Soil	2.0	35.8	24.0	60	0.2	25.8	10.7	376	3.07	19.9	5.6	2.4	16.4	50	0.2	10.4	0.4	81	0.54	0.095
1171585	Soil	2.0	36.6	24.3	60	0.2	26.0	11.5	400	3.10	20.2	5.0	4.2	16.0	44	0.2	9.2	0.4	81	0.50	0.093
1171940	Soil	35.2	72.0	21.1	56	0.5	19.0	31.2	1380	3.32	29.7	1.3	3.6	3.3	28	0.5	0.9	0.5	85	0.34	0.057
1171591	Soil	4.2	51.2	39.8	84	1.4	20.6	9.8	416	2.75	32.9	7.8	6.2	12.8	36	0.5	36.3	1.5	73	0.49	0.081
1171592	Soil	4.9	66.8	45.1	81	1.4	21.5	13.1	497	2.80	35.5	7.3	17.1	12.5	31	0.5	40.3	1.7	74	0.40	0.083
1171593	Soil	4.0	53.7	59.4	85	1.7	19.6	13.4	628	2.55	29.3	7.9	9.4	11.8	30	0.7	27.7	1.2	72	0.41	0.095
1171594	Soil	13.8	75.5	74.0	96	1.5	20.0	16.3	1019	3.11	43.6	5.7	10.7	17.4	27	0.8	19.0	2.9	78	0.41	0.094
1171595	Soil	7.0	35.2	12.7	55	0.5	20.1	11.7	482	2.78	15.7	3.0	4.4	3.1	43	0.2	0.5	1.7	77	0.69	0.069
1171596	Soil	8.0	35.6	14.6	57	0.3	20.6	12.4	532	2.94	17.4	2.3	5.0	3.3	40	0.3	0.5	0.7	80	0.62	0.061
1171597	Soil	5.5	47.7	13.8	54	0.5	21.0	12.1	476	2.88	13.6	2.6	4.1	3.0	40	0.3	0.4	0.7	76	0.61	0.066
1171598	Soil	4.4	50.8	10.7	54	0.3	22.1	11.3	399	2.90	8.8	1.6	3.4	3.9	37	0.2	0.4	0.9	79	0.55	0.054
1171599	Soil	5.8	61.4	13.1	45	0.5	18.4	12.5	514	2.54	8.7	3.2	4.0	3.0	38	0.3	0.5	0.8	72	0.53	0.043

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Project: WLF
 Report Date: January 04, 2012

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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	
1202323	Soil	40	29	0.27	299	0.016	2	0.98	0.010	0.09	<0.1	0.06	11.7	<0.1	<0.05	3	0.5	<0.2
1202324	Soil	37	30	0.26	267	0.018	1	1.02	0.010	0.09	<0.1	0.05	10.1	<0.1	<0.05	3	<0.5	<0.2
1202325	Soil	34	158	1.55	241	0.058	4	2.36	0.029	0.06	0.1	0.06	15.0	<0.1	<0.05	7	<0.5	<0.2
1202326	Soil	16	46	0.60	258	0.115	3	2.09	0.039	0.09	0.1	0.03	5.7	<0.1	<0.05	6	<0.5	<0.2
1202327	Soil	17	43	0.60	277	0.100	1	2.26	0.036	0.07	0.1	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2
1171586	Soil	26	55	0.75	149	0.147	2	2.36	0.017	0.10	0.5	0.04	5.0	0.3	<0.05	9	<0.5	<0.2
1171587	Soil	22	58	0.75	136	0.132	2	2.22	0.016	0.10	0.8	0.05	5.0	0.3	<0.05	8	<0.5	<0.2
1171588	Soil	27	57	0.92	117	0.129	1	2.01	0.015	0.15	4.0	0.04	5.3	0.5	<0.05	9	<0.5	<0.2
1171589	Soil	24	43	0.61	119	0.094	1	1.90	0.012	0.09	0.6	0.06	4.3	0.4	<0.05	8	<0.5	<0.2
1171590	Soil	16	31	0.41	90	0.067	3	1.61	0.020	0.05	0.4	0.08	3.2	0.3	0.06	6	<0.5	<0.2
1171941	Soil	13	40	0.74	187	0.176	2	2.66	0.023	0.08	0.6	0.04	5.2	0.3	<0.05	8	<0.5	<0.2
1171577	Soil	19	179	1.66	322	0.270	<1	2.67	0.036	0.47	2.3	0.04	8.3	0.9	<0.05	7	<0.5	<0.2
1171578	Soil	11	38	0.70	117	0.155	2	1.88	0.016	0.07	0.7	0.03	4.2	0.3	<0.05	8	<0.5	<0.2
1171579	Soil	12	37	0.65	102	0.158	1	1.60	0.016	0.10	0.8	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
1171580	Soil	15	42	0.70	121	0.159	2	1.98	0.017	0.11	0.6	0.03	4.9	0.4	<0.05	7	<0.5	<0.2
1171581	Soil	11	22	0.27	77	0.094	<1	0.94	0.018	0.04	0.3	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
1171582	Soil	14	43	0.49	95	0.130	1	1.80	0.016	0.07	0.7	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
1171583	Soil	2	6	0.06	34	0.041	<1	0.27	0.016	0.02	0.1	0.02	0.5	<0.1	<0.05	2	<0.5	<0.2
1171584	Soil	24	56	0.77	112	0.135	<1	1.88	0.019	0.10	0.5	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
1171585	Soil	21	54	0.77	115	0.134	1	2.01	0.020	0.09	0.4	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
1171940	Soil	11	33	0.58	168	0.144	1	2.19	0.021	0.07	0.8	0.04	3.8	0.3	<0.05	7	<0.5	<0.2
1171591	Soil	21	38	0.57	138	0.106	2	2.01	0.018	0.07	0.5	0.07	5.0	0.3	<0.05	8	<0.5	<0.2
1171592	Soil	22	39	0.58	127	0.106	2	1.92	0.016	0.06	1.0	0.05	4.6	0.3	<0.05	8	<0.5	<0.2
1171593	Soil	23	37	0.54	109	0.100	2	1.65	0.019	0.06	0.7	0.06	4.4	0.2	<0.05	6	<0.5	<0.2
1171594	Soil	23	39	0.60	99	0.100	2	1.75	0.018	0.06	11.1	0.05	4.0	0.2	<0.05	7	<0.5	<0.2
1171595	Soil	14	36	0.62	185	0.113	2	2.26	0.029	0.06	2.8	0.04	4.9	0.2	<0.05	7	<0.5	<0.2
1171596	Soil	15	37	0.63	195	0.114	2	2.30	0.025	0.06	1.1	0.03	4.6	0.2	<0.05	7	<0.5	<0.2
1171597	Soil	15	37	0.60	200	0.109	2	2.46	0.025	0.06	1.5	0.03	5.0	0.2	<0.05	7	<0.5	<0.2
1171598	Soil	13	36	0.63	182	0.129	1	2.43	0.026	0.08	2.7	0.04	4.8	0.1	<0.05	7	<0.5	<0.2
1171599	Soil	16	33	0.47	178	0.107	1	2.05	0.026	0.05	2.9	0.03	4.5	0.1	<0.05	6	<0.5	<0.2

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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	
1171600	Soil	4.1	50.8	14.9	46	0.4	17.1	8.4	310	2.39	9.9	1.9	3.4	2.4	35	0.2	0.7	1.2	65	0.46	0.052
1171935	Soil	7.8	51.5	15.8	50	0.3	18.3	10.2	381	2.71	16.5	9.5	9.7	3.6	35	0.2	0.9	0.9	75	0.60	0.045
1171936	Soil	12.3	67.6	15.8	51	0.5	17.9	11.6	495	2.86	17.1	3.5	6.5	2.6	33	0.3	0.6	1.0	76	0.41	0.053
1171937	Soil	5.7	56.4	15.4	54	0.3	16.2	9.6	411	2.60	12.7	1.5	8.3	3.6	36	0.3	0.6	0.8	70	0.47	0.042
1171938	Soil	18.9	86.0	17.5	52	1.0	16.8	13.6	775	2.83	20.9	4.7	6.7	1.7	37	0.2	0.8	0.9	70	0.49	0.082
1171939	Soil	4.8	56.8	21.9	67	0.3	25.1	14.4	570	3.51	26.4	0.8	5.0	4.0	28	0.3	0.9	0.7	87	0.32	0.040
1171778	Soil	2.2	37.2	30.5	82	0.2	34.2	13.7	376	3.70	97.3	0.8	8.6	2.4	26	0.4	1.9	0.3	85	0.25	0.046
1171781	Soil	0.8	26.4	11.9	59	0.1	38.9	11.1	242	2.92	22.6	0.8	5.1	3.0	33	0.2	0.6	0.2	87	0.39	0.067
1171785	Soil	3.3	66.9	30.4	75	0.3	26.9	11.9	451	3.45	85.1	4.3	10.4	16.4	25	0.7	4.1	2.6	81	0.47	0.104
1171782	Soil	1.4	28.3	92.1	71	0.2	22.0	9.3	267	3.01	73.4	1.7	5.4	7.0	37	0.5	3.8	0.3	69	0.33	0.078
1171783	Soil	4.5	93.9	19.9	59	0.5	24.2	11.0	333	3.30	35.2	3.3	5.3	14.2	25	0.3	1.4	1.2	72	0.30	0.075
1171780	Soil	1.6	52.1	19.1	69	0.4	36.4	10.9	269	3.15	70.0	1.6	11.2	3.0	29	0.4	1.4	0.6	83	0.39	0.073
1171752	Soil	1.5	19.1	10.8	45	0.1	13.2	6.4	207	2.51	11.7	0.6	3.9	1.4	13	0.3	0.7	0.4	66	0.13	0.036
1171777	Soil	2.9	43.6	38.7	77	0.4	43.6	15.7	319	4.07	106.9	0.7	9.7	2.5	19	0.4	3.3	0.3	90	0.21	0.037
1171779	Soil	0.7	24.0	11.8	24	0.8	10.2	2.9	74	1.10	40.1	0.8	12.3	0.2	13	0.3	0.4	0.6	22	0.14	0.043
1171784	Soil	4.1	63.7	21.9	61	0.3	22.8	11.1	369	3.36	34.0	2.6	5.1	13.3	26	0.3	3.3	1.0	79	0.33	0.089
1171751	Soil	2.6	26.8	22.2	55	0.1	14.6	8.1	322	2.41	126.2	2.3	5.9	5.8	18	0.3	6.4	0.9	56	0.25	0.057
1202484	Soil	1.3	22.8	32.4	65	0.2	19.2	10.3	489	2.53	18.2	0.5	13.5	0.6	60	0.7	1.2	0.2	65	0.39	0.089
1202489	Soil	1.2	24.0	11.9	80	0.2	10.9	6.3	569	1.19	6.5	0.3	0.7	<0.1	76	1.6	0.4	0.2	34	0.39	0.090
1202485	Soil	1.1	16.0	6.6	73	0.2	10.1	8.9	1021	0.72	1.9	0.2	1.3	0.1	85	7.3	0.3	<0.1	16	1.36	0.135
1202355	Soil	1.3	27.3	22.0	53	0.3	15.7	12.1	534	2.62	16.7	0.6	3.9	0.3	89	0.3	0.9	0.6	68	0.50	0.091
1202357	Soil	1.7	22.5	92.4	63	0.3	12.5	10.9	413	2.35	36.6	0.6	2.7	0.6	151	0.7	1.6	0.6	54	0.75	0.075
1202483	Soil	1.4	39.3	27.4	79	0.2	24.8	14.3	1219	2.91	27.3	1.1	22.8	1.4	70	0.5	2.1	0.3	66	0.59	0.127
1204124	Soil	1.3	29.0	27.7	59	0.2	19.0	18.3	561	3.04	26.3	0.8	5.7	1.0	154	0.3	1.2	0.7	69	0.74	0.127
1202490	Soil	1.1	21.4	20.7	66	0.2	15.2	10.2	597	2.14	9.1	0.4	2.1	0.3	133	0.8	0.8	0.2	52	0.59	0.088
1202486	Soil	1.3	19.1	24.4	62	0.1	14.5	7.9	389	2.62	19.7	0.4	0.9	0.1	65	0.8	1.0	0.2	57	0.79	0.089
1202487	Soil	1.9	18.3	29.4	103	0.2	20.3	10.9	551	3.31	28.2	0.5	1.5	0.9	37	0.8	1.1	0.2	79	0.42	0.051
1202488	Soil	0.5	5.6	3.4	22	<0.1	2.9	2.7	117	0.96	3.7	0.2	2.3	<0.1	17	0.2	0.1	<0.1	19	0.16	0.032
1202356	Soil	1.9	16.9	14.3	29	0.1	9.8	7.2	187	2.23	19.2	0.4	1.4	0.2	42	0.4	0.8	0.5	58	0.26	0.065
1202362	Soil	1.0	16.8	13.1	48	0.3	12.3	13.3	1251	1.17	4.1	0.3	1.5	0.1	104	1.9	0.5	0.1	30	1.11	0.138

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Project: WLF
 Report Date: January 04, 2012

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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	0.1	0.01	0.1	0.05	1	0.5	0.2	
1171600	Soil	11	30	0.55	159	0.104	1	1.87	0.020	0.06	1.5	0.03	3.2	0.2	<0.05	5	<0.5	<0.2
1171935	Soil	10	34	0.64	163	0.124	2	2.03	0.022	0.05	1.2	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
1171936	Soil	12	31	0.57	169	0.104	2	2.04	0.020	0.05	0.8	0.03	3.2	0.2	<0.05	7	<0.5	<0.2
1171937	Soil	11	29	0.60	166	0.122	<1	2.08	0.019	0.07	1.9	0.03	3.0	0.2	<0.05	6	<0.5	<0.2
1171938	Soil	15	30	0.55	200	0.077	2	2.33	0.018	0.05	0.5	0.05	3.7	0.2	0.05	7	0.6	<0.2
1171939	Soil	9	35	0.76	177	0.165	1	2.84	0.018	0.08	0.8	0.04	3.3	0.2	<0.05	8	<0.5	<0.2
1171778	Soil	8	40	0.71	139	0.109	2	2.30	0.015	0.09	0.2	0.05	4.0	0.2	<0.05	7	0.6	<0.2
1171781	Soil	9	107	1.13	159	0.183	1	2.37	0.032	0.12	0.2	0.02	3.6	0.3	<0.05	7	0.5	<0.2
1171785	Soil	20	38	0.74	140	0.115	2	1.95	0.016	0.07	1.7	0.04	3.6	0.2	<0.05	6	0.7	<0.2
1171782	Soil	12	36	0.65	113	0.098	1	2.19	0.013	0.05	0.2	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
1171783	Soil	15	37	0.71	94	0.100	2	2.79	0.015	0.06	0.5	0.05	4.9	0.2	<0.05	7	<0.5	<0.2
1171780	Soil	14	47	0.71	157	0.123	2	2.10	0.019	0.08	0.3	0.04	4.8	0.2	<0.05	6	0.5	<0.2
1171752	Soil	6	23	0.28	80	0.077	<1	1.39	0.015	0.03	0.2	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
1171777	Soil	7	48	0.66	153	0.112	2	2.05	0.012	0.07	0.2	0.05	4.2	0.2	<0.05	7	0.6	<0.2
1171779	Soil	5	13	0.19	46	0.035	<1	0.78	0.021	0.03	<0.1	0.03	1.3	<0.1	<0.05	3	0.5	<0.2
1171784	Soil	15	38	0.65	95	0.128	2	2.27	0.014	0.06	0.8	0.04	4.0	0.2	<0.05	7	<0.5	<0.2
1171751	Soil	9	22	0.40	69	0.084	1	1.35	0.021	0.04	0.4	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
1202484	Soil	7	30	0.44	93	0.072	2	1.39	0.023	0.06	0.2	0.10	2.2	0.1	0.07	5	<0.5	<0.2
1202489	Soil	4	16	0.13	97	0.021	2	0.59	0.018	0.07	<0.1	0.10	0.6	<0.1	0.12	3	<0.5	<0.2
1202485	Soil	3	12	0.10	122	0.025	3	0.54	0.017	0.06	<0.1	0.17	1.0	0.2	0.32	1	<0.5	<0.2
1202355	Soil	8	41	0.45	100	0.053	1	1.94	0.024	0.09	0.1	0.07	3.1	0.2	0.09	6	0.6	<0.2
1202357	Soil	9	27	0.43	86	0.052	2	2.09	0.032	0.07	0.2	0.08	2.4	0.2	0.06	6	<0.5	<0.2
1202483	Soil	8	33	0.64	142	0.074	3	2.11	0.035	0.07	0.2	0.12	3.2	0.1	0.09	6	0.9	<0.2
1204124	Soil	10	33	0.66	92	0.073	3	2.44	0.023	0.13	0.2	0.09	2.8	0.2	0.06	6	<0.5	<0.2
1202490	Soil	7	23	0.41	97	0.054	2	1.36	0.024	0.09	0.1	0.19	1.4	0.1	0.07	5	0.6	<0.2
1202486	Soil	6	23	0.25	142	0.037	2	1.23	0.017	0.04	0.1	0.10	1.0	<0.1	0.11	6	<0.5	<0.2
1202487	Soil	7	33	0.43	157	0.081	2	1.87	0.014	0.05	0.1	0.09	2.5	<0.1	0.07	8	<0.5	<0.2
1202488	Soil	2	6	0.13	41	0.033	<1	0.46	0.024	0.03	<0.1	0.03	0.5	<0.1	0.05	3	0.6	<0.2
1202356	Soil	5	27	0.25	84	0.052	2	1.31	0.018	0.05	0.1	0.07	1.5	0.2	0.06	5	0.5	<0.2
1202362	Soil	4	17	0.21	138	0.025	4	0.75	0.025	0.05	<0.1	0.19	1.0	<0.1	0.21	3	0.7	<0.2

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 Report Date: January 04, 2012

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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	
		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	0.1	2	0.01	0.001
1202364	Soil	1.4	34.8	52.8	80	0.4	24.2	14.4	564	3.09	65.6	3.2	13.9	2.2	73	0.2	2.3	0.3	58	0.76	0.089
1202354	Soil	1.2	26.7	30.4	31	0.4	10.9	32.4	730	1.84	9.6	0.9	2.2	0.2	56	0.3	0.7	0.3	37	0.55	0.125
1202360	Soil	1.6	14.8	34.0	54	0.4	9.3	7.2	379	1.57	15.2	0.5	<0.5	0.2	99	0.9	0.9	0.2	43	0.37	0.093
1202358	Soil	1.6	24.5	53.4	57	0.4	14.0	12.0	385	2.42	44.7	0.8	3.7	0.6	186	0.5	1.9	1.0	56	1.02	0.089
1202365	Soil	2.2	21.9	54.7	68	0.4	11.6	11.8	804	1.85	40.2	1.3	5.3	0.5	91	1.3	1.7	0.2	43	1.26	0.097
1202352	Soil	1.2	15.6	8.5	47	<0.1	17.5	9.1	327	3.34	12.6	0.4	3.6	0.5	34	0.2	0.6	0.2	81	0.36	0.062
1202367	Soil	0.7	15.7	22.0	53	0.2	10.3	4.6	184	1.44	27.1	1.0	3.9	0.7	60	1.1	1.0	0.2	39	0.39	0.051
1202363	Soil	2.6	29.1	68.2	87	0.7	17.7	14.1	838	2.58	70.3	2.1	6.6	1.0	92	0.8	3.8	0.6	54	1.02	0.078
1202351	Soil	0.8	12.9	5.9	28	<0.1	7.1	4.4	195	1.36	3.5	0.3	<0.5	<0.1	20	0.2	0.3	0.1	33	0.17	0.050
1202361	Soil	1.8	16.2	13.8	75	0.9	7.4	3.1	109	1.05	10.9	0.4	<0.5	<0.1	36	3.5	0.6	0.3	32	0.28	0.082
1202359	Soil	0.9	20.8	54.1	81	0.3	14.0	10.8	677	2.27	16.4	0.9	1.8	0.9	238	0.6	1.2	0.5	55	1.00	0.093
1202366	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.
1202353	Soil	0.5	24.0	14.1	46	<0.1	19.7	11.5	202	2.94	14.8	0.7	2.3	2.9	52	<0.1	1.2	0.4	95	0.62	0.080
1204125	Soil	1.6	25.5	11.7	52	0.1	14.5	6.7	541	2.18	7.8	0.5	0.9	<0.1	32	0.4	0.5	0.3	65	0.25	0.076
1171774	Soil	1.8	34.6	8.2	48	<0.1	31.5	10.8	200	2.07	21.2	0.6	8.0	0.4	49	0.2	1.3	0.2	65	0.23	0.048
1171776	Soil	1.5	22.6	11.5	68	0.2	32.9	15.5	412	3.52	14.7	0.7	1.9	2.4	21	0.3	0.7	0.2	73	0.22	0.047
1178412	Soil	0.7	31.0	19.9	64	0.2	26.6	17.0	453	2.56	15.6	0.7	4.0	1.6	54	0.2	0.7	0.2	87	0.70	0.092
1178413	Soil	1.0	37.4	17.8	67	0.2	27.4	25.2	437	4.11	30.0	0.6	20.6	2.1	91	0.3	1.0	0.3	123	1.07	0.137
1171769	Soil	1.5	45.2	16.3	70	0.3	28.1	21.9	406	2.64	23.0	0.7	1.4	0.6	53	0.3	1.0	0.5	76	0.63	0.104
1171775	Soil	2.4	43.1	18.8	73	0.1	45.6	15.6	367	3.58	56.9	1.1	8.5	3.8	35	0.1	2.3	0.3	97	0.39	0.044
1171768	Soil	0.6	26.7	11.5	41	0.2	17.1	8.5	137	1.75	11.3	0.5	1.3	0.4	35	0.2	0.5	0.3	42	0.39	0.084
1171773	Soil	1.8	45.9	20.9	62	0.4	28.4	15.6	241	3.93	26.1	0.7	7.9	0.8	50	0.3	1.3	0.5	101	0.38	0.108
1171771	Soil	0.8	49.8	13.3	52	0.3	30.8	26.6	474	2.65	22.6	0.8	2.2	0.5	62	0.2	1.3	0.4	78	0.55	0.096
1171772	Soil	1.1	42.4	10.6	51	0.3	26.9	24.6	346	3.41	27.8	0.7	5.2	0.5	66	0.2	1.2	0.4	84	0.38	0.105
1171770	Soil	1.1	45.7	16.7	61	0.3	28.4	20.2	314	3.12	27.6	0.7	34.1	1.0	56	0.3	1.2	0.5	92	0.67	0.095
1178410	Soil	0.9	70.9	34.7	62	0.5	38.1	23.3	732	3.24	155.8	1.1	10.1	1.7	74	0.4	2.2	1.0	92	1.09	0.070
1178411	Soil	1.5	49.1	35.8	78	0.5	31.1	19.1	491	2.82	83.4	1.3	8.0	1.2	64	0.4	1.9	0.5	86	0.85	0.091
1171933	Soil	2.2	132.2	32.7	69	0.6	29.2	15.6	521	3.34	88.0	3.1	14.3	9.1	47	0.4	5.1	2.5	91	0.46	0.073
1171904	Soil	15.2	154.6	133.8	131	3.3	27.1	13.8	685	3.38	418.8	20.3	19.9	10.0	38	0.9	28.7	14.4	75	0.53	0.088
1171902	Soil	4.8	127.7	19.2	64	0.9	21.5	10.1	387	3.06	31.2	3.2	5.6	4.0	34	0.4	2.2	2.3	81	0.36	0.056

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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	
1202364	Soil	16	32	0.63	189	0.063	2	1.84	0.028	0.05	0.2	0.07	4.4	0.1	<0.05	5	0.9	<0.2
1202354	Soil	9	26	0.26	75	0.027	3	1.47	0.019	0.05	<0.1	0.14	2.6	0.2	0.18	3	0.9	<0.2
1202360	Soil	5	19	0.21	67	0.044	2	1.06	0.020	0.09	0.1	0.24	1.2	0.3	0.09	3	1.1	<0.2
1202358	Soil	12	30	0.53	88	0.044	1	2.42	0.037	0.06	0.2	0.09	2.7	0.3	0.05	6	0.7	<0.2
1202365	Soil	10	20	0.36	105	0.032	4	1.30	0.022	0.05	0.2	0.11	2.0	0.1	0.14	4	0.7	<0.2
1202352	Soil	6	42	0.55	101	0.088	2	1.90	0.017	0.07	0.1	0.09	2.4	0.2	0.06	7	<0.5	<0.2
1202367	Soil	6	21	0.26	69	0.056	4	0.94	0.023	0.04	0.2	0.05	2.0	0.1	0.10	4	<0.5	<0.2
1202363	Soil	16	27	0.45	136	0.048	5	1.68	0.029	0.06	0.1	0.08	3.3	0.2	0.08	5	0.7	<0.2
1202351	Soil	3	13	0.18	55	0.035	3	0.75	0.024	0.03	<0.1	0.07	0.6	<0.1	0.08	3	<0.5	<0.2
1202361	Soil	4	14	0.09	94	0.027	3	0.50	0.019	0.05	<0.1	0.16	1.1	<0.1	0.11	2	<0.5	<0.2
1202359	Soil	11	26	0.60	122	0.067	2	2.48	0.045	0.11	0.1	0.06	2.1	0.2	<0.05	5	<0.5	0.2
1202366	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.
1202353	Soil	12	52	0.75	131	0.165	2	2.57	0.039	0.09	0.1	0.02	6.2	0.3	<0.05	7	<0.5	<0.2
1204125	Soil	7	28	0.27	105	0.049	2	1.21	0.029	0.05	<0.1	0.14	1.0	0.2	0.10	6	<0.5	<0.2
1171774	Soil	6	56	0.55	115	0.090	3	1.37	0.031	0.14	<0.1	0.03	2.6	0.3	<0.05	5	<0.5	<0.2
1171776	Soil	9	44	0.66	121	0.102	3	3.30	0.022	0.05	<0.1	0.05	4.1	0.2	<0.05	7	0.5	<0.2
1178412	Soil	9	48	0.67	120	0.127	2	1.97	0.044	0.10	0.2	0.04	3.8	0.3	<0.05	6	0.6	<0.2
1178413	Soil	11	46	0.80	106	0.181	2	2.43	0.068	0.15	0.2	0.03	5.1	0.4	<0.05	8	<0.5	<0.2
1171769	Soil	9	40	0.62	94	0.120	3	2.08	0.037	0.09	0.2	0.07	3.6	0.2	0.09	7	<0.5	<0.2
1171775	Soil	14	91	1.12	206	0.172	3	2.86	0.037	0.16	0.2	0.02	6.9	0.4	<0.05	8	<0.5	<0.2
1171768	Soil	7	28	0.45	71	0.099	2	1.47	0.024	0.05	0.1	0.06	2.6	0.2	0.07	5	<0.5	<0.2
1171773	Soil	10	45	0.68	108	0.158	4	2.37	0.035	0.20	0.2	0.08	4.7	0.3	0.19	7	0.9	<0.2
1171771	Soil	10	35	0.64	95	0.128	3	2.31	0.031	0.09	0.2	0.10	4.0	0.3	0.09	7	0.5	<0.2
1171772	Soil	8	36	0.55	100	0.106	3	2.71	0.026	0.11	0.2	0.10	3.4	0.2	0.12	7	1.0	<0.2
1171770	Soil	10	40	0.66	85	0.148	2	2.16	0.039	0.09	0.2	0.08	4.5	0.2	0.07	8	0.6	<0.2
1178410	Soil	10	57	0.78	138	0.117	3	2.09	0.054	0.12	0.2	0.07	6.0	0.4	0.05	6	0.6	<0.2
1178411	Soil	12	51	0.68	136	0.101	3	2.14	0.034	0.08	0.2	0.07	4.8	0.3	0.10	7	0.9	<0.2
1171933	Soil	18	51	0.81	142	0.175	2	2.20	0.024	0.12	5.3	0.02	4.7	0.3	<0.05	7	<0.5	<0.2
1171904	Soil	30	37	0.61	188	0.088	5	2.38	0.023	0.09	1.1	0.10	4.7	0.3	<0.05	8	<0.5	<0.2
1171902	Soil	14	34	0.60	123	0.125	2	1.89	0.022	0.07	5.8	0.02	3.3	0.2	<0.05	6	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000378.2

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	
1202440	Soil		1.5	21.7	14.6	55	0.1	15.3	8.5	435	2.50	13.8	0.5	2.3	0.8	31	<0.1	1.0	0.2	66	0.24	0.056
1202203	Soil		1.1	23.3	18.4	65	0.2	19.6	12.5	725	2.67	30.2	1.2	4.3	1.5	40	0.6	0.5	0.2	75	0.42	0.074
1202202	Soil		1.1	11.8	7.1	24	0.1	9.2	4.4	110	1.64	6.4	0.4	1.1	0.5	21	0.2	0.4	0.1	45	0.20	0.046
1171905	Soil		6.1	118.3	68.0	100	1.1	27.5	11.9	531	3.19	215.8	11.1	14.7	12.0	33	0.6	29.2	8.8	78	0.44	0.067
1202436	Soil		2.0	97.4	8.4	120	0.1	33.9	13.2	416	3.22	7.1	1.5	2.2	2.7	26	0.1	0.2	0.2	81	0.38	0.045
1202438	Soil		1.5	14.3	11.3	36	0.2	11.7	4.5	161	1.86	16.2	0.5	3.6	1.0	43	0.3	0.7	0.2	60	0.63	0.029
1202080	Soil		1.6	18.2	16.8	55	0.2	19.7	9.5	332	2.95	17.9	0.7	3.2	2.4	37	0.3	1.4	0.3	89	0.42	0.038
1202081	Soil		1.5	16.4	13.7	47	0.2	15.7	8.0	289	2.77	12.7	0.7	0.9	2.1	24	0.4	1.2	0.2	87	0.30	0.030
1202079	Soil		2.6	21.3	24.2	51	0.4	15.2	7.7	303	2.57	31.5	1.5	4.2	2.3	29	0.5	2.1	0.4	78	0.29	0.039
1202082	Soil		1.5	29.2	17.2	53	0.3	18.9	8.4	272	2.34	28.8	1.4	6.2	3.2	50	<0.1	16.8	0.5	70	0.63	0.072
1202204	Soil		1.1	16.0	9.6	27	0.2	8.1	3.3	115	1.38	14.5	0.7	1.6	0.3	22	0.2	0.3	0.2	47	0.18	0.055
1202205	Soil		0.7	10.3	6.5	29	0.1	8.5	4.1	94	1.41	13.1	0.6	2.6	0.3	23	0.3	0.3	0.1	39	0.21	0.064
1202078	Soil		2.9	19.8	20.9	48	0.4	17.9	8.9	349	3.38	20.4	0.8	3.3	1.9	35	0.4	0.8	0.3	96	0.39	0.032
1202439	Soil		1.4	26.4	10.6	59	0.2	14.4	6.6	458	2.06	5.3	0.5	1.4	0.1	26	0.8	0.7	0.2	52	0.21	0.088
1202437	Soil		1.8	20.1	23.5	58	0.3	19.8	9.9	281	2.92	26.4	0.8	5.8	2.5	43	0.3	1.1	0.2	78	0.45	0.031
1202435	Soil		1.2	24.3	14.1	59	<0.1	23.5	11.1	505	3.17	13.4	0.8	10.5	4.5	65	0.2	1.1	0.2	91	0.58	0.032
1202076	Soil		1.1	23.4	10.1	66	<0.1	32.1	16.2	400	3.86	22.6	0.5	2.2	3.0	25	0.4	0.6	0.2	98	0.27	0.032
1171903	Soil		26.6	156.5	39.7	90	1.1	24.6	13.4	518	3.68	92.4	8.1	8.6	9.8	41	1.2	11.1	3.9	87	0.40	0.071
1202075	Soil		1.4	25.5	12.1	69	0.2	29.6	15.1	389	4.04	24.9	0.8	2.6	3.1	28	0.3	0.6	0.2	109	0.32	0.032
1202434	Soil		1.8	26.6	19.1	65	0.2	28.0	11.3	515	3.47	15.9	0.9	3.8	3.9	59	0.4	1.3	0.3	95	0.61	0.049
1171901	Soil		5.9	118.9	28.6	88	0.9	21.7	12.6	735	3.39	57.8	4.4	6.2	5.6	51	0.6	3.0	1.9	82	0.45	0.074
1171934	Soil		8.6	109.0	33.4	99	0.9	31.0	16.5	1114	4.10	66.2	4.1	6.9	9.9	41	0.6	2.2	2.4	102	0.40	0.095
1202077	Soil		1.2	24.5	12.1	59	<0.1	31.7	14.2	422	3.87	15.7	0.7	2.4	3.7	35	0.2	0.7	0.2	100	0.33	0.023
1202433	Soil		1.6	17.4	16.8	48	0.1	17.8	9.0	318	3.52	17.9	0.6	5.8	2.8	36	0.3	1.5	0.3	95	0.32	0.031
1171932	Soil		1.9	42.6	17.9	59	0.5	33.7	19.6	1091	3.45	29.1	2.8	9.6	4.7	47	0.2	1.0	0.8	97	0.41	0.088
1171929	Soil		1.0	29.2	16.7	59	0.2	36.4	14.2	498	3.34	32.2	1.5	4.2	4.1	41	0.2	1.1	0.4	89	0.46	0.058
1171930	Soil		0.9	30.0	15.0	60	0.2	39.1	13.0	389	3.33	31.9	1.5	5.7	5.6	34	0.1	1.0	0.3	89	0.39	0.062
1171931	Soil		1.7	45.4	19.2	61	0.3	32.6	12.9	409	3.61	22.3	2.8	4.1	7.2	36	0.3	1.0	0.8	95	0.40	0.063
1171928	Soil		1.1	27.7	20.6	47	0.4	18.1	8.8	300	2.71	20.9	1.7	6.3	2.1	37	0.3	0.6	0.4	70	0.36	0.051
1171927	Soil		0.9	35.8	27.4	74	0.2	51.1	17.3	490	3.69	40.8	1.9	12.6	6.4	51	0.2	1.5	0.7	98	0.46	0.060

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Project: WLF
 Report Date: January 04, 2012

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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	
1202440	Soil	7	24	0.28	110	0.084	3	1.85	0.021	0.04	0.2	0.08	2.0	0.1	0.05	7	<0.5	<0.2
1202203	Soil	12	35	0.52	144	0.114	3	2.15	0.026	0.07	<0.1	0.05	3.3	0.1	<0.05	7	<0.5	<0.2
1202202	Soil	4	18	0.19	99	0.059	1	0.99	0.016	0.03	<0.1	0.05	1.5	<0.1	<0.05	4	<0.5	<0.2
1171905	Soil	20	35	0.64	166	0.114	3	2.06	0.025	0.07	2.8	0.05	4.3	0.2	<0.05	7	<0.5	<0.2
1202436	Soil	12	44	0.85	177	0.128	<1	2.22	0.020	0.14	0.2	0.02	3.6	0.1	0.05	7	0.6	<0.2
1202438	Soil	7	21	0.31	101	0.095	1	0.98	0.023	0.05	0.1	0.04	2.2	<0.1	0.05	5	<0.5	<0.2
1202080	Soil	8	35	0.58	147	0.155	2	2.09	0.027	0.10	0.1	0.04	3.2	0.2	<0.05	7	<0.5	<0.2
1202081	Soil	10	28	0.43	121	0.143	2	1.71	0.022	0.07	<0.1	0.02	2.7	0.1	<0.05	7	<0.5	<0.2
1202079	Soil	10	29	0.40	111	0.129	1	1.83	0.025	0.07	0.1	0.04	2.8	0.2	<0.05	7	<0.5	<0.2
1202082	Soil	11	32	0.55	159	0.132	1	1.65	0.035	0.08	0.2	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
1202204	Soil	6	20	0.20	56	0.061	2	0.90	0.013	0.05	0.1	0.06	1.4	<0.1	<0.05	5	<0.5	<0.2
1202205	Soil	6	17	0.19	84	0.056	<1	0.86	0.018	0.04	<0.1	0.07	1.7	<0.1	0.05	4	<0.5	<0.2
1202078	Soil	10	34	0.43	164	0.138	4	2.10	0.020	0.07	0.1	0.03	3.0	0.1	<0.05	8	0.7	<0.2
1202439	Soil	14	20	0.19	165	0.033	2	1.16	0.021	0.04	<0.1	0.11	1.1	<0.1	0.10	6	1.1	<0.2
1202437	Soil	11	30	0.51	150	0.115	2	2.07	0.038	0.09	0.1	0.04	3.3	0.2	<0.05	7	0.8	<0.2
1202435	Soil	14	38	0.64	187	0.125	2	1.89	0.028	0.06	0.2	0.02	4.0	0.1	<0.05	6	0.6	<0.2
1202076	Soil	10	41	0.72	190	0.143	3	3.02	0.020	0.07	<0.1	0.03	3.7	0.1	<0.05	8	0.9	<0.2
1171903	Soil	23	37	0.73	166	0.126	2	2.22	0.020	0.09	5.5	0.04	4.3	0.3	<0.05	8	0.7	<0.2
1202075	Soil	12	46	0.77	165	0.174	2	3.24	0.023	0.08	<0.1	0.03	4.8	0.2	<0.05	9	0.5	<0.2
1202434	Soil	13	41	0.71	233	0.133	3	2.60	0.026	0.08	0.2	0.03	4.4	0.1	<0.05	7	<0.5	<0.2
1171901	Soil	17	36	0.72	171	0.120	4	2.10	0.023	0.09	1.6	0.04	3.9	0.2	<0.05	8	0.7	<0.2
1171934	Soil	28	48	0.79	177	0.132	2	2.43	0.021	0.11	2.3	0.02	4.4	0.3	<0.05	9	1.0	<0.2
1202077	Soil	13	53	0.77	141	0.181	<1	3.13	0.026	0.10	0.1	0.02	4.6	0.2	<0.05	8	0.6	<0.2
1202433	Soil	10	32	0.55	129	0.136	3	2.25	0.018	0.08	0.1	0.02	3.6	0.2	<0.05	9	<0.5	<0.2
1171932	Soil	15	109	1.03	205	0.188	3	2.25	0.024	0.18	1.0	0.04	4.3	0.4	<0.05	8	1.3	<0.2
1171929	Soil	15	79	0.98	188	0.176	2	2.45	0.034	0.15	0.3	0.03	4.5	0.3	<0.05	7	1.4	<0.2
1171930	Soil	14	94	0.97	180	0.176	1	2.42	0.029	0.14	0.2	0.02	4.3	0.3	<0.05	7	<0.5	<0.2
1171931	Soil	17	82	0.99	151	0.208	2	2.21	0.022	0.14	0.6	0.01	4.8	0.3	<0.05	8	<0.5	<0.2
1171928	Soil	12	29	0.57	140	0.123	2	1.88	0.027	0.07	0.1	0.04	3.7	0.2	<0.05	7	<0.5	<0.2
1171927	Soil	18	84	0.94	135	0.195	4	2.33	0.034	0.14	0.2	0.02	4.5	0.3	<0.05	7	1.0	0.2

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 Report Date: January 04, 2012

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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	
		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
1171926	Soil	2.4	34.4	31.5	116	0.4	31.5	16.1	829	3.88	241.6	1.3	8.9	2.1	42	1.1	3.1	0.6	95	0.48	0.081
1171925	Soil	1.3	24.1	19.7	51	0.2	20.5	12.6	380	3.38	76.2	0.9	4.1	1.6	73	0.4	1.3	0.4	88	0.54	0.073
1204342	Soil	0.5	23.4	15.3	61	<0.1	23.2	10.1	325	2.92	23.0	0.9	9.2	3.6	45	0.3	0.8	0.2	86	0.49	0.054
1171916	Soil	1.4	17.1	15.4	46	0.2	16.3	9.8	487	2.82	122.7	0.5	1.1	0.7	66	0.2	2.8	0.3	94	0.86	0.072
1204341	Soil	1.2	17.9	9.2	35	0.2	12.1	4.9	200	1.61	17.5	0.8	4.2	0.3	43	0.4	0.5	0.2	54	0.40	0.092
1204343	Soil	0.7	17.0	20.3	60	<0.1	19.2	10.6	401	2.95	22.1	0.8	5.7	2.4	61	0.4	1.0	0.3	81	0.54	0.056
1202206	Soil	1.1	18.1	13.6	59	0.1	20.9	10.3	289	2.67	44.7	0.9	3.9	1.2	36	0.2	0.5	0.3	75	0.40	0.069
1204344	Soil	0.5	26.8	10.6	52	0.1	24.3	10.5	316	3.12	12.0	0.6	3.5	2.9	48	0.2	0.7	0.1	84	0.55	0.060
1204346	Soil	1.5	23.7	11.4	60	0.2	24.0	11.6	303	4.24	13.5	0.7	1.9	2.6	26	0.3	0.6	0.2	95	0.28	0.050
1204348	Soil	1.6	33.2	12.9	57	0.5	19.3	11.4	1304	2.68	10.5	0.8	1.9	1.9	33	0.9	0.6	0.2	67	0.32	0.047
1204347	Soil	1.4	31.8	18.7	66	0.4	29.3	16.3	654	3.82	22.1	1.2	2.6	3.6	34	0.2	0.7	0.3	93	0.34	0.053
1204345	Soil	0.5	25.8	19.3	56	0.1	24.1	9.5	242	2.94	18.3	1.0	9.0	3.3	47	0.3	1.0	0.2	84	0.54	0.073
1204350	Soil	1.3	26.3	14.3	57	0.2	23.7	14.8	499	3.39	52.3	1.4	5.8	3.1	28	0.4	0.5	0.3	89	0.29	0.045
1202089	Soil	1.3	25.6	25.6	67	0.3	23.6	13.4	363	2.99	102.5	2.2	15.6	3.2	55	0.3	0.9	0.5	90	0.57	0.079
1171922	Soil	5.1	34.5	64.5	119	0.5	43.2	43.1	565	4.43	424.0	1.3	15.8	2.3	165	0.7	5.3	0.7	100	0.37	0.072
1171920	Soil	3.5	35.0	81.2	104	0.6	25.2	27.3	790	4.11	304.5	1.7	13.3	0.8	125	0.6	4.6	6.1	86	0.58	0.126
1204349	Soil	1.7	22.7	13.7	59	0.2	22.2	11.1	454	3.99	15.9	0.7	2.0	2.8	25	0.2	0.7	0.2	102	0.25	0.033
1171921	Soil	4.4	36.6	59.5	86	0.6	24.7	25.7	647	4.24	663.8	5.0	20.6	1.9	174	0.5	5.8	8.7	87	0.86	0.106
1171923	Soil	1.3	19.4	20.6	53	<0.1	21.7	13.6	289	3.47	93.6	0.8	7.4	2.2	57	0.2	1.7	0.6	102	0.23	0.042
1171919	Soil	1.7	20.6	29.1	49	0.4	14.4	11.2	447	2.12	82.5	0.6	0.8	0.1	76	0.5	1.6	0.9	56	0.32	0.127
1171917	Soil	1.5	21.1	12.8	49	<0.1	14.2	5.8	124	2.96	16.6	0.7	2.0	1.2	18	0.5	0.9	0.2	79	0.19	0.043
1171918	Soil	1.6	20.8	14.8	64	<0.1	21.0	10.1	347	3.10	18.7	0.6	0.9	0.6	20	0.3	0.8	0.2	76	0.23	0.057
1171924	Soil	1.2	21.6	28.8	55	0.2	24.1	15.6	351	3.32	107.9	1.1	3.5	2.3	52	0.3	1.9	0.3	89	0.36	0.048
1171975	Soil	8.5	108.7	30.5	63	0.5	22.0	10.4	347	3.29	60.0	5.0	10.1	8.4	23	0.2	5.4	1.7	76	0.27	0.054
1171963	Soil	1.0	20.7	8.9	55	<0.1	26.0	12.1	353	3.25	11.3	0.9	2.0	3.1	17	0.1	0.5	0.2	74	0.22	0.031
1171977	Soil	7.6	220.7	105.5	126	1.7	25.1	12.1	542	3.19	359.9	23.4	16.5	15.6	25	1.3	23.0	23.0	77	0.42	0.083
1171965	Soil	1.3	27.9	21.6	59	0.3	40.7	14.5	391	3.31	69.8	1.3	8.3	3.5	27	0.3	1.6	0.6	82	0.29	0.065
1171976	Soil	8.3	117.1	231.6	138	4.4	25.9	11.9	515	3.35	469.8	14.0	29.3	13.1	29	1.2	29.0	16.5	75	0.48	0.086
1171978	Soil	7.3	226.0	98.5	120	1.9	24.7	11.7	501	3.09	345.9	23.7	19.8	15.2	24	1.0	23.4	21.2	74	0.40	0.078
1171979	Soil	4.4	168.3	75.6	100	1.5	23.0	10.9	561	2.89	264.6	13.6	13.3	6.3	24	1.2	18.8	10.3	64	0.30	0.070

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Project: WLF
 Report Date: January 04, 2012

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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
1171926	Soil	16	41	0.65	155	0.114	3	2.00	0.020	0.10	0.2	0.04	3.6	0.3	<0.05	8	<0.5	<0.2
1171925	Soil	11	36	0.66	146	0.140	2	2.18	0.025	0.09	0.2	0.03	3.5	0.3	<0.05	8	0.7	<0.2
1204342	Soil	13	37	0.64	115	0.160	3	2.04	0.036	0.07	0.3	0.04	3.8	0.1	<0.05	5	<0.5	<0.2
1171916	Soil	8	32	0.53	159	0.081	3	1.80	0.024	0.07	0.1	0.04	3.3	0.2	<0.05	8	0.7	<0.2
1204341	Soil	10	23	0.20	114	0.061	3	1.18	0.022	0.06	0.2	0.10	1.5	0.1	<0.05	4	1.1	<0.2
1204343	Soil	11	39	0.66	110	0.128	2	2.40	0.023	0.07	0.1	0.06	3.1	0.1	<0.05	6	0.6	<0.2
1202206	Soil	11	36	0.60	143	0.117	3	2.17	0.024	0.07	0.1	0.07	3.3	0.1	<0.05	7	0.5	<0.2
1204344	Soil	13	40	0.76	133	0.164	3	2.25	0.039	0.08	0.2	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
1204346	Soil	11	44	0.68	182	0.113	4	3.35	0.018	0.05	<0.1	0.03	4.0	0.2	<0.05	8	0.7	<0.2
1204348	Soil	10	28	0.38	146	0.101	2	1.92	0.030	0.06	<0.1	0.03	2.8	0.2	<0.05	7	0.7	<0.2
1204347	Soil	13	45	0.74	182	0.132	3	3.59	0.020	0.07	<0.1	0.04	4.7	0.2	<0.05	8	0.7	<0.2
1204345	Soil	14	41	0.74	141	0.149	2	2.35	0.039	0.08	0.2	0.06	4.7	0.2	<0.05	6	0.7	<0.2
1204350	Soil	14	43	0.61	126	0.131	4	3.20	0.019	0.06	0.1	0.04	4.8	0.2	<0.05	8	<0.5	<0.2
1202089	Soil	15	38	0.64	180	0.127	3	2.44	0.026	0.08	0.2	0.03	4.3	0.2	<0.05	7	0.5	<0.2
1171922	Soil	12	40	0.68	98	0.111	3	2.47	0.032	0.15	0.2	0.05	5.4	0.7	<0.05	7	0.6	0.2
1171920	Soil	15	35	0.53	135	0.060	2	2.81	0.029	0.11	0.2	0.09	4.4	0.4	0.06	8	1.3	<0.2
1204349	Soil	11	44	0.66	141	0.148	3	3.13	0.022	0.05	<0.1	0.03	4.3	0.2	<0.05	10	<0.5	<0.2
1171921	Soil	22	32	0.56	107	0.056	1	2.57	0.032	0.13	0.2	0.09	5.3	0.5	<0.05	9	1.6	0.3
1171923	Soil	10	43	0.64	90	0.140	2	2.40	0.017	0.08	0.3	0.04	3.6	0.3	<0.05	7	<0.5	<0.2
1171919	Soil	6	22	0.24	121	0.028	2	1.40	0.017	0.07	<0.1	0.11	1.0	0.3	0.17	5	<0.5	<0.2
1171917	Soil	8	33	0.26	80	0.071	1	1.97	0.007	0.03	0.1	0.06	2.2	<0.1	<0.05	8	0.8	<0.2
1171918	Soil	7	36	0.41	124	0.066	<1	1.82	0.013	0.05	0.1	0.06	2.3	0.1	<0.05	7	<0.5	<0.2
1171924	Soil	10	38	0.64	141	0.120	2	1.90	0.020	0.09	0.3	0.03	3.8	0.3	<0.05	7	<0.5	<0.2
1171975	Soil	14	34	0.69	107	0.121	1	1.97	0.013	0.07	2.3	0.04	3.6	0.3	<0.05	7	0.5	<0.2
1171963	Soil	9	38	0.70	130	0.113	<1	2.62	0.014	0.06	0.1	0.03	4.2	0.2	<0.05	7	<0.5	<0.2
1171977	Soil	32	33	0.59	125	0.097	2	1.59	0.021	0.06	15.3	0.06	4.1	0.2	<0.05	5	<0.5	<0.2
1171965	Soil	10	88	0.80	131	0.145	1	2.13	0.018	0.13	0.2	0.03	3.3	0.3	0.05	8	<0.5	<0.2
1171976	Soil	23	35	0.63	148	0.090	1	1.95	0.018	0.08	4.2	0.07	3.9	0.3	<0.05	7	0.6	<0.2
1171978	Soil	32	33	0.58	125	0.092	2	1.55	0.020	0.05	15.0	0.07	4.1	0.2	<0.05	5	<0.5	<0.2
1171979	Soil	31	31	0.47	161	0.071	3	1.91	0.017	0.06	1.9	0.06	3.3	0.2	<0.05	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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
1171980	Soil	3.4	140.1	64.1	86	1.3	25.2	11.6	455	3.29	232.3	4.8	24.1	10.5	23	0.6	17.7	13.1	79	0.30	0.046
1171981	Soil	3.2	160.1	31.6	75	0.6	31.0	13.3	388	3.44	82.5	4.5	8.1	7.1	21	0.8	3.1	2.4	77	0.27	0.048
1171974	Soil	4.1	116.0	22.6	65	0.9	23.9	11.5	410	3.24	43.1	3.6	7.9	7.0	23	0.3	3.1	2.1	78	0.29	0.055
1171961	Soil	2.3	50.4	24.9	80	0.5	32.1	11.5	477	2.80	287.4	1.6	12.7	0.4	27	0.3	3.3	0.8	57	0.19	0.100
1171969	Soil	0.6	30.7	15.8	61	0.2	38.4	15.0	403	3.24	30.5	1.3	3.9	5.9	44	0.3	1.0	0.6	97	0.43	0.086
1171962	Soil	1.2	21.4	33.0	59	0.1	33.2	11.6	255	3.36	133.5	1.9	9.7	5.0	20	0.2	2.5	0.6	78	0.25	0.060
1171964	Soil	0.8	27.6	12.3	51	<0.1	46.8	15.0	350	3.27	89.6	1.3	4.0	4.9	29	<0.1	1.5	0.5	89	0.32	0.047
1171966	Soil	1.2	35.5	19.9	58	0.3	43.6	14.2	377	3.35	59.1	2.2	4.8	4.5	26	0.2	1.6	0.4	81	0.29	0.048
1171967	Soil	1.0	27.9	16.2	53	0.2	37.7	13.2	421	2.86	16.8	1.8	8.7	3.9	30	0.2	0.8	0.2	73	0.34	0.072
1171970	Soil	1.4	29.1	14.1	62	0.2	39.2	13.4	359	3.38	14.4	1.9	7.6	4.2	35	0.2	0.6	0.3	96	0.30	0.069
1171973	Soil	5.8	58.2	27.9	68	0.6	21.1	10.8	522	2.83	48.2	3.6	5.2	5.1	30	0.3	2.7	1.5	67	0.39	0.069
1171968	Soil	0.9	25.5	16.4	54	0.2	35.4	10.7	283	2.75	28.9	1.1	10.6	3.5	24	0.1	0.8	0.3	73	0.33	0.067
1171971	Soil	4.1	61.7	29.2	66	0.7	24.5	10.0	310	2.88	55.9	5.1	8.6	9.1	37	0.3	3.8	1.8	75	0.40	0.083
1171972	Soil	4.8	101.1	44.8	84	1.2	28.6	11.0	436	3.27	92.4	6.2	13.8	10.5	27	0.5	2.5	2.6	73	0.31	0.069
1171955	Soil	2.2	27.6	38.0	84	0.4	23.1	16.3	638	3.59	313.6	0.7	5.9	0.3	42	0.9	1.8	1.9	82	0.23	0.082
1171957	Soil	1.6	21.9	61.7	109	0.7	23.1	14.7	700	3.51	159.4	4.2	16.3	4.6	158	0.5	4.1	1.6	82	0.76	0.075
1171953	Soil	2.6	38.1	73.5	111	0.4	31.0	23.4	874	3.94	109.2	1.2	9.4	0.9	60	0.5	2.9	0.6	94	0.33	0.088
1171951	Soil	1.1	42.9	70.8	84	0.7	36.1	21.1	744	3.70	578.9	2.0	4.4	1.5	71	0.5	9.6	0.5	84	0.85	0.085
1171959	Soil	3.9	73.2	213.0	240	3.3	38.9	28.1	1161	4.17	2168	6.0	43.5	3.0	77	1.8	8.6	11.8	70	0.72	0.090
1171954	Soil	2.1	48.8	100.8	100	1.2	24.4	18.5	823	3.17	380.8	1.4	4.3	0.5	70	0.6	4.0	1.5	75	0.44	0.112



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Project: WLF
Report Date: January 04, 2012

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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	0.1	0.01	0.1	0.05	1	0.5	0.2	
1171980	Soil	14	34	0.63	118	0.108	2	1.95	0.017	0.06	12.2	0.05	3.4	0.2	<0.05	6	<0.5	<0.2
1171981	Soil	11	38	0.64	138	0.090	2	2.69	0.013	0.05	0.9	0.07	3.4	0.1	<0.05	7	0.6	<0.2
1171974	Soil	12	33	0.67	109	0.120	<1	1.91	0.016	0.07	2.9	0.03	3.5	0.2	<0.05	6	<0.5	<0.2
1171961	Soil	8	28	0.34	97	0.036	<1	1.52	0.013	0.07	0.1	0.06	1.7	0.2	0.08	5	1.0	0.3
1171969	Soil	13	123	1.09	240	0.210	<1	1.96	0.019	0.24	0.2	0.02	3.8	0.4	<0.05	7	<0.5	<0.2
1171962	Soil	18	86	1.09	125	0.088	<1	2.69	0.012	0.15	0.2	0.03	5.7	0.5	<0.05	8	<0.5	<0.2
1171964	Soil	12	120	1.06	145	0.171	1	2.69	0.029	0.13	0.2	0.03	4.1	0.5	<0.05	7	<0.5	<0.2
1171966	Soil	13	96	0.87	155	0.153	2	2.49	0.021	0.12	0.2	0.03	4.0	0.4	<0.05	7	<0.5	<0.2
1171967	Soil	11	86	0.87	175	0.152	<1	1.97	0.025	0.19	0.2	0.03	3.3	0.3	<0.05	7	0.5	<0.2
1171970	Soil	12	133	1.07	220	0.190	<1	2.11	0.014	0.16	0.2	0.03	3.9	0.4	<0.05	7	<0.5	<0.2
1171973	Soil	12	33	0.61	143	0.086	<1	1.72	0.013	0.06	0.8	0.03	3.2	0.2	<0.05	6	<0.5	<0.2
1171968	Soil	10	87	0.88	134	0.147	<1	2.09	0.018	0.11	0.2	0.02	3.3	0.3	0.05	7	0.5	<0.2
1171971	Soil	16	37	0.70	149	0.118	1	1.97	0.016	0.08	1.3	0.03	4.3	0.3	<0.05	6	<0.5	<0.2
1171972	Soil	17	47	0.71	144	0.101	1	2.21	0.014	0.09	1.1	0.06	4.6	0.3	<0.05	7	<0.5	<0.2
1171955	Soil	8	35	0.37	122	0.050	3	1.89	0.012	0.07	0.1	0.10	1.9	0.2	0.09	9	<0.5	<0.2
1171957	Soil	18	40	0.68	147	0.104	1	1.91	0.048	0.16	0.3	0.03	4.5	0.3	<0.05	6	0.5	<0.2
1171953	Soil	11	57	0.62	164	0.072	2	2.81	0.015	0.09	0.1	0.08	3.8	0.2	<0.05	8	<0.5	<0.2
1171951	Soil	18	44	0.71	185	0.042	3	2.40	0.020	0.19	0.1	0.07	5.5	0.3	<0.05	7	<0.5	<0.2
1171959	Soil	27	33	0.63	105	0.038	2	2.05	0.020	0.11	0.1	0.08	4.2	0.4	<0.05	7	1.4	1.0
1171954	Soil	15	31	0.46	155	0.047	2	2.31	0.018	0.08	0.1	0.12	2.9	0.2	<0.05	7	0.6	<0.2



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Project: WLF
 Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000378.2

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																					
1170592	Soil	4.0	41.1	14.6	56	0.4	21.9	11.3	414	3.03	12.3	1.4	3.6	4.0	29	0.3	0.5	0.7	86	0.35	0.044
REP 1170592	QC	3.9	40.1	14.4	57	0.4	22.9	11.5	425	3.00	12.6	1.4	3.8	4.1	29	0.4	0.5	0.6	85	0.37	0.047
1171717	Soil	1.3	28.8	14.1	50	0.2	11.5	5.7	275	1.85	12.8	0.6	0.9	0.4	23	0.5	0.6	0.4	46	0.26	0.050
REP 1171717	QC	1.2	28.7	14.5	48	0.3	11.4	6.0	266	1.85	12.4	0.7	1.9	0.4	22	0.6	0.7	0.4	45	0.26	0.049
1176838	Soil	6.5	196.4	23.5	60	1.6	16.7	8.9	296	2.68	82.0	1.9	9.1	3.2	40	0.4	1.5	1.7	75	0.42	0.057
REP 1176838	QC	6.1	191.2	22.7	59	1.6	15.4	9.0	304	2.74	78.4	1.8	4.9	3.0	38	0.4	1.4	1.7	72	0.40	0.052
1171720	Soil	1.6	29.2	9.0	52	0.3	13.1	6.1	405	1.83	4.5	0.6	2.2	0.5	19	1.0	0.5	0.4	52	0.20	0.056
REP 1171720	QC	1.6	29.1	9.1	52	0.4	13.3	6.2	388	1.86	4.8	0.5	<0.5	0.5	20	1.1	0.5	0.4	52	0.22	0.056
1202281	Soil	1.5	22.6	49.0	74	0.3	13.8	8.4	267	2.32	185.2	1.2	5.0	1.0	55	1.2	2.2	0.7	56	0.21	0.057
REP 1202281	QC	1.2	23.4	48.3	74	0.3	13.5	8.2	274	2.27	186.5	1.2	4.6	1.0	51	1.0	2.5	0.7	56	0.23	0.058
1202187	Soil	1.1	18.8	12.4	48	0.2	25.4	10.8	295	3.11	10.1	0.4	2.1	1.8	27	0.3	0.7	0.2	79	0.31	0.029
REP 1202187	QC	0.9	18.7	12.4	48	0.2	25.4	10.2	298	3.13	9.7	0.4	2.2	1.7	28	0.3	0.7	0.2	76	0.32	0.027
1202342	Soil	0.9	17.9	7.6	46	<0.1	14.8	7.0	236	2.48	10.4	0.4	3.5	0.7	13	0.1	0.4	0.2	56	0.13	0.047
REP 1202342	QC	0.9	17.7	7.6	47	0.1	14.6	7.3	232	2.54	10.2	0.4	3.4	0.6	14	0.1	0.4	0.2	56	0.14	0.047
1202308	Soil	1.3	36.4	28.7	85	0.3	36.7	14.4	800	3.50	22.8	1.1	1.8	9.3	78	0.2	0.7	0.2	49	0.81	0.110
REP 1202308	QC	1.3	36.3	29.0	84	0.3	36.5	14.5	816	3.55	23.6	1.1	1.9	9.3	76	0.4	0.6	0.2	49	0.82	0.111
1202326	Soil	1.4	32.2	12.5	61	<0.1	29.7	13.1	543	3.11	21.1	0.5	2.7	3.9	49	0.2	0.8	0.2	81	0.76	0.041
REP 1202326	QC	1.4	32.6	12.4	60	<0.1	29.2	13.5	530	3.10	21.1	0.5	8.9	3.9	49	0.2	0.8	0.2	82	0.75	0.040
1171579	Soil	39.4	152.8	33.1	83	0.9	17.8	9.2	303	3.08	38.6	2.0	6.3	5.0	28	0.5	3.5	1.8	97	0.30	0.055
REP 1171579	QC	40.5	158.7	33.7	83	0.9	17.6	9.2	298	3.06	39.3	2.0	11.7	5.2	27	0.5	3.6	1.6	98	0.31	0.054
1171783	Soil	4.5	93.9	19.9	59	0.5	24.2	11.0	333	3.30	35.2	3.3	5.3	14.2	25	0.3	1.4	1.2	72	0.30	0.075
REP 1171783	QC	5.0	97.2	20.8	61	0.5	24.4	11.2	340	3.41	34.0	3.3	4.1	15.0	26	0.3	1.4	1.2	78	0.32	0.076
1171751	Soil	2.6	26.8	22.2	55	0.1	14.6	8.1	322	2.41	126.2	2.3	5.9	5.8	18	0.3	6.4	0.9	56	0.25	0.057
REP 1171751	QC	2.6	27.9	22.1	57	0.1	14.8	8.1	329	2.37	127.3	2.2	2.7	5.9	19	0.3	6.3	0.9	56	0.26	0.057
1171775	Soil	2.4	43.1	18.8	73	0.1	45.6	15.6	367	3.58	56.9	1.1	8.5	3.8	35	0.1	2.3	0.3	97	0.39	0.044
REP 1171775	QC	2.0	39.6	18.5	73	0.1	43.0	14.6	344	3.24	54.7	1.1	9.7	3.7	34	0.2	2.3	0.3	91	0.38	0.044
1202203	Soil	1.1	23.3	18.4	65	0.2	19.6	12.5	725	2.67	30.2	1.2	4.3	1.5	40	0.6	0.5	0.2	75	0.42	0.074
REP 1202203	QC	1.1	21.4	16.5	58	0.2	19.2	12.0	686	2.50	28.4	1.0	5.0	1.4	35	0.4	0.5	0.2	72	0.39	0.069

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Project: WLF
 Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000378.2

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																		
1170592	Soil	12	34	0.54	182	0.112	1	2.48	0.021	0.06	1.2	0.03	3.7	0.1	<0.05	7	<0.5	<0.2
REP 1170592	QC	12	35	0.56	191	0.118	2	2.44	0.022	0.07	1.3	0.04	3.5	0.1	<0.05	8	<0.5	<0.2
1171717	Soil	7	16	0.25	111	0.052	2	1.10	0.019	0.03	0.2	0.05	1.3	0.1	0.08	4	<0.5	<0.2
REP 1171717	QC	7	16	0.25	112	0.052	2	1.10	0.020	0.03	0.2	0.06	1.3	0.1	0.08	5	<0.5	<0.2
1176838	Soil	10	26	0.61	181	0.148	<1	2.02	0.020	0.08	0.6	0.04	3.7	0.3	<0.05	6	0.5	<0.2
REP 1176838	QC	10	26	0.61	172	0.138	1	1.95	0.020	0.09	0.6	0.04	3.3	0.3	<0.05	6	<0.5	<0.2
1171720	Soil	6	19	0.24	131	0.061	<1	0.95	0.018	0.04	0.2	0.09	1.4	0.1	0.05	5	0.6	<0.2
REP 1171720	QC	6	19	0.24	134	0.060	<1	0.94	0.017	0.04	0.2	0.07	1.5	0.1	0.05	5	<0.5	<0.2
1202281	Soil	7	24	0.30	106	0.054	2	1.43	0.019	0.03	0.1	0.08	2.2	0.1	<0.05	6	0.9	<0.2
REP 1202281	QC	7	24	0.31	104	0.070	<1	1.44	0.020	0.04	0.2	0.07	2.3	0.1	0.05	6	0.6	<0.2
1202187	Soil	7	37	0.60	123	0.094	2	2.62	0.014	0.05	<0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
REP 1202187	QC	7	36	0.57	124	0.093	2	2.61	0.015	0.05	<0.1	0.02	2.6	0.1	<0.05	7	<0.5	<0.2
1202342	Soil	6	25	0.32	94	0.067	1	1.84	0.012	0.03	0.1	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
REP 1202342	QC	6	25	0.32	91	0.069	1	1.88	0.014	0.04	<0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
1202308	Soil	60	47	1.00	425	0.087	2	1.85	0.017	0.19	<0.1	0.03	5.2	0.2	<0.05	5	0.6	<0.2
REP 1202308	QC	58	46	1.00	425	0.083	2	1.85	0.017	0.18	<0.1	0.04	5.1	0.2	<0.05	5	<0.5	<0.2
1202326	Soil	16	46	0.60	258	0.115	3	2.09	0.039	0.09	0.1	0.03	5.7	<0.1	<0.05	6	<0.5	<0.2
REP 1202326	QC	16	48	0.60	245	0.114	3	2.10	0.039	0.09	0.1	0.04	5.8	<0.1	<0.05	5	<0.5	<0.2
1171579	Soil	12	37	0.65	102	0.158	1	1.60	0.016	0.10	0.8	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
REP 1171579	QC	12	36	0.63	107	0.163	1	1.57	0.015	0.10	0.9	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
1171783	Soil	15	37	0.71	94	0.100	2	2.79	0.015	0.06	0.5	0.05	4.9	0.2	<0.05	7	<0.5	<0.2
REP 1171783	QC	17	39	0.73	98	0.107	2	2.83	0.016	0.06	0.4	0.05	4.9	0.3	<0.05	8	<0.5	<0.2
1171751	Soil	9	22	0.40	69	0.084	1	1.35	0.021	0.04	0.4	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
REP 1171751	QC	10	21	0.43	71	0.090	2	1.45	0.022	0.05	0.4	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
1171775	Soil	14	91	1.12	206	0.172	3	2.86	0.037	0.16	0.2	0.02	6.9	0.4	<0.05	8	<0.5	<0.2
REP 1171775	QC	14	85	1.02	202	0.163	2	2.79	0.029	0.16	0.1	0.02	6.5	0.4	<0.05	7	<0.5	<0.2
1202203	Soil	12	35	0.52	144	0.114	3	2.15	0.026	0.07	<0.1	0.05	3.3	0.1	<0.05	7	<0.5	<0.2
REP 1202203	QC	12	33	0.48	132	0.106	1	1.97	0.025	0.06	0.1	0.04	3.2	0.1	<0.05	7	<0.5	<0.2

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Project: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000378.2

		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
1171934	Soil	8.6	109.0	33.4	99	0.9	31.0	16.5	1114	4.10	66.2	4.1	6.9	9.9	41	0.6	2.2	2.4	102	0.40	0.095
REP 1171934	QC	8.2	107.2	32.8	99	0.9	28.5	15.8	1093	4.08	64.3	4.1	7.8	9.6	40	0.5	2.2	2.7	99	0.41	0.090
1204345	Soil	0.5	25.8	19.3	56	0.1	24.1	9.5	242	2.94	18.3	1.0	9.0	3.3	47	0.3	1.0	0.2	84	0.54	0.073
REP 1204345	QC	0.4	25.5	19.8	54	0.1	24.5	9.6	250	2.88	17.7	1.0	5.5	3.1	48	0.4	1.0	0.2	88	0.60	0.067
1171976	Soil	8.3	117.1	231.6	138	4.4	25.9	11.9	515	3.35	469.8	14.0	29.3	13.1	29	1.2	29.0	16.5	75	0.48	0.086
REP 1171976	QC	8.3	120.6	231.0	138	4.5	25.7	12.0	509	3.36	475.4	14.1	28.1	13.1	30	1.2	28.5	15.5	77	0.48	0.090
1171961	Soil	2.3	50.4	24.9	80	0.5	32.1	11.5	477	2.80	287.4	1.6	12.7	0.4	27	0.3	3.3	0.8	57	0.19	0.100
REP 1171961	QC	2.2	51.2	25.7	80	0.5	32.2	11.5	483	2.82	284.8	1.7	5.4	0.4	26	0.4	3.2	0.8	59	0.21	0.098
Reference Materials																					
STD DS8	Standard	13.6	111.0	121.2	319	1.9	36.8	7.3	635	2.48	25.4	2.9	107.3	6.7	69	2.4	5.8	7.0	43	0.69	0.082
STD DS8	Standard	13.1	113.4	122.6	302	1.7	38.9	7.6	592	2.38	23.1	2.9	107.2	7.4	66	2.2	5.4	6.8	42	0.66	0.075
STD DS8	Standard	14.8	112.3	128.2	310	1.8	38.2	7.9	666	2.60	26.6	3.1	109.2	7.4	79	2.3	5.9	7.2	49	0.78	0.083
STD DS8	Standard	13.9	105.0	120.9	300	1.9	36.3	7.6	603	2.43	25.6	2.7	129.7	6.6	70	2.2	5.4	6.5	41	0.71	0.081
STD DS8	Standard	12.3	97.6	115.3	286	1.6	33.4	6.8	570	2.27	22.1	2.7	97.5	6.7	66	2.2	5.1	6.2	41	0.67	0.074
STD DS8	Standard	14.2	108.4	123.3	311	1.9	37.3	7.5	631	2.46	25.7	3.1	157.6	7.7	78	2.3	5.8	7.0	45	0.72	0.077
STD DS8	Standard	14.2	116.6	125.3	307	1.8	40.7	8.4	622	2.50	25.9	2.8	111.7	7.1	66	2.3	5.6	6.4	49	0.74	0.092
STD DS8	Standard	14.7	118.0	128.1	333	2.0	39.7	7.9	669	2.59	26.2	2.9	117.4	6.9	73	2.3	5.5	7.1	45	0.74	0.084
STD DS8	Standard	13.9	106.7	121.9	313	1.9	39.3	7.6	610	2.43	26.2	2.6	122.4	6.8	63	2.4	5.6	6.0	43	0.69	0.080
STD DS8	Standard	14.0	107.9	123.3	314	1.9	37.7	7.6	607	2.51	26.5	2.7	113.2	6.7	69	2.5	5.7	6.4	44	0.69	0.083
STD DS8	Standard	13.7	113.1	120.6	314	1.7	39.2	7.8	608	2.38	23.9	2.9	106.6	7.2	69	2.2	5.5	6.5	48	0.72	0.075
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000378.2

		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
1171934	Soil	28	48	0.79	177	0.132	2	2.43	0.021	0.11	2.3	0.02	4.4	0.3	<0.05	9	1.0	<0.2
REP 1171934	QC	27	50	0.77	171	0.130	3	2.36	0.020	0.11	2.3	0.02	4.4	0.2	<0.05	9	0.6	<0.2
1204345	Soil	14	41	0.74	141	0.149	2	2.35	0.039	0.08	0.2	0.06	4.7	0.2	<0.05	6	0.7	<0.2
REP 1204345	QC	14	38	0.73	143	0.165	4	2.25	0.037	0.09	0.2	0.04	5.0	0.2	<0.05	6	<0.5	<0.2
1171976	Soil	23	35	0.63	148	0.090	1	1.95	0.018	0.08	4.2	0.07	3.9	0.3	<0.05	7	0.6	<0.2
REP 1171976	QC	22	35	0.65	146	0.088	1	1.96	0.018	0.08	4.4	0.07	3.9	0.3	0.06	7	0.6	<0.2
1171961	Soil	8	28	0.34	97	0.036	<1	1.52	0.013	0.07	0.1	0.06	1.7	0.2	0.08	5	1.0	0.3
REP 1171961	QC	8	30	0.34	96	0.038	<1	1.56	0.013	0.08	0.1	0.07	1.8	0.2	0.09	5	1.0	0.3
Reference Materials																		
STD DS8	Standard	15	123	0.58	286	0.114	3	0.92	0.102	0.41	2.6	0.19	2.4	5.1	0.13	5	5.1	4.9
STD DS8	Standard	16	119	0.60	260	0.122	3	0.90	0.091	0.40	2.9	0.20	2.3	5.6	0.18	4	4.7	4.7
STD DS8	Standard	21	115	0.64	315	0.133	3	1.03	0.100	0.45	3.3	0.20	2.9	5.6	0.12	5	5.7	5.5
STD DS8	Standard	16	116	0.61	274	0.117	3	0.95	0.109	0.44	2.7	0.21	2.8	5.3	0.17	5	5.8	4.6
STD DS8	Standard	15	108	0.55	264	0.110	3	0.89	0.096	0.39	2.6	0.20	2.5	4.8	0.12	5	5.2	4.4
STD DS8	Standard	19	115	0.63	291	0.132	3	0.99	0.103	0.42	2.9	0.20	2.4	5.2	0.16	5	5.3	5.0
STD DS8	Standard	18	126	0.62	267	0.124	2	0.95	0.087	0.43	3.0	0.20	2.8	5.5	0.17	5	5.0	5.2
STD DS8	Standard	15	128	0.63	283	0.117	3	1.00	0.116	0.45	3.0	0.19	2.9	5.6	0.16	5	5.0	4.7
STD DS8	Standard	15	118	0.63	289	0.112	2	0.94	0.101	0.41	3.1	0.21	2.0	5.5	0.17	5	5.1	4.8
STD DS8	Standard	16	119	0.64	289	0.122	3	0.98	0.099	0.45	3.0	0.19	2.9	5.5	0.15	5	4.6	5.1
STD DS8	Standard	17	121	0.60	282	0.127	3	0.92	0.105	0.42	3.1	0.18	3.2	5.5	0.14	5	6.0	4.9
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Project: WLF

Report Date: January 04, 2012

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

DAW11000378.2

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



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Project: WLF

Report Date: January 04, 2012

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

DAW11000378.2

		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



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Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 13, 2011
Report Date: January 04, 2012
Page: 1 of 4

CERTIFICATE OF ANALYSIS

DAW11000379.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-04
P.O. Number
Number of Samples: 68

SAMPLE DISPOSAL

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

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

Invoice To: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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Page: 2 of 4 Part 1

CERTIFICATE OF ANALYSIS

DAW11000379.2

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
1171952	Soil	1.6	25.1	25.6	67	<0.1	26.8	14.7	447	3.95	95.0	0.8	7.2	1.3	25	0.4	1.6	0.4	83	0.24	0.064
1171956	Soil	2.9	33.5	81.1	103	0.8	21.7	18.5	679	3.23	222.1	2.1	9.3	1.3	123	0.7	3.8	3.0	82	0.95	0.097
1171960	Soil	2.0	23.7	63.6	101	0.5	17.7	18.2	607	2.90	506.2	4.1	6.0	2.9	133	0.6	7.1	2.2	80	0.55	0.079
1171958	Soil	1.5	32.0	96.9	274	1.6	28.5	17.8	601	3.38	367.6	2.0	12.5	3.1	79	1.7	4.1	1.5	84	0.52	0.075
1170026	Soil	7.1	90.4	13.5	53	0.7	18.8	13.6	744	2.62	14.5	1.8	2.4	1.5	30	0.3	0.7	0.7	77	0.38	0.056
1170016	Soil	4.5	56.3	34.6	71	0.5	23.1	12.9	492	3.47	27.9	6.1	7.6	18.1	52	0.3	21.8	1.6	89	0.54	0.123
1170014	Soil	7.8	58.0	49.4	81	1.2	29.2	12.4	462	3.54	48.3	9.3	13.7	21.2	36	0.4	46.9	2.1	92	0.48	0.093
1170013	Soil	9.3	31.6	40.5	71	0.3	20.4	11.6	534	3.15	32.7	2.7	32.1	14.6	27	0.2	23.6	2.4	91	0.30	0.059
1170012	Soil	4.4	30.3	42.7	68	0.2	21.8	11.1	526	3.38	32.2	4.0	3.0	24.2	30	0.2	19.0	1.6	89	0.42	0.105
1170011	Soil	3.8	35.9	39.8	67	0.3	21.3	10.9	474	3.11	38.7	5.1	2.7	21.8	26	0.3	15.7	1.0	80	0.39	0.103
1170010	Soil	4.2	31.1	28.9	62	0.3	17.2	11.7	548	2.92	29.5	3.5	14.4	13.2	20	0.1	11.0	0.9	84	0.19	0.048
1170009	Soil	3.8	39.5	35.1	73	1.5	21.3	12.1	384	3.00	40.6	10.9	7.7	9.9	29	0.5	9.7	1.1	83	0.35	0.078
1170008	Soil	6.1	44.2	49.3	69	1.7	15.4	11.7	524	2.46	54.9	6.2	8.2	9.5	22	0.4	39.9	3.6	69	0.25	0.073
1170015	Soil	7.8	58.5	48.8	82	1.5	28.3	12.4	456	3.42	47.1	10.1	6.8	19.4	35	0.5	48.0	2.1	84	0.48	0.094
1170017	Soil	4.5	57.1	43.6	70	0.6	28.2	13.8	517	3.53	26.7	4.8	6.9	19.1	40	0.3	22.6	1.0	87	0.42	0.080
1170024	Soil	8.3	75.1	12.3	52	0.5	20.1	13.4	782	2.99	11.7	2.2	4.5	3.4	37	0.2	0.7	2.0	87	0.56	0.054
1170023	Soil	5.1	42.7	18.4	52	0.6	18.3	9.1	342	2.44	20.9	1.9	3.5	2.4	41	0.4	0.5	0.8	67	0.59	0.055
1170038	Soil	51.4	191.2	21.2	63	0.8	23.8	10.1	322	3.01	24.1	2.8	16.5	6.7	26	0.3	0.9	2.9	91	0.33	0.066
1170025	Soil	9.4	63.6	11.6	52	0.6	19.2	9.6	467	2.59	9.0	1.6	4.3	1.6	36	0.5	0.5	0.6	79	0.53	0.059
1170027	Soil	8.0	66.7	12.7	55	0.5	20.0	12.7	553	2.78	9.8	1.6	1.9	2.5	40	0.3	0.6	0.5	82	0.52	0.047
1170039	Soil	24.6	56.8	27.6	64	0.7	23.2	9.8	345	3.18	24.4	2.3	6.9	11.4	27	0.4	1.3	2.5	96	0.35	0.079
1170019	Soil	6.6	46.1	25.1	59	0.5	24.6	10.3	342	3.08	22.5	3.8	2.3	11.6	35	0.4	5.0	0.6	79	0.35	0.067
1170020	Soil	9.5	78.6	22.1	85	1.5	23.9	9.3	267	3.65	31.1	3.9	4.0	10.0	26	0.3	4.2	1.3	91	0.28	0.041
1170018	Soil	3.9	25.8	27.7	54	0.3	19.0	8.2	307	2.42	18.7	3.6	2.6	10.6	29	0.3	10.5	0.6	69	0.33	0.081
1170022	Soil	7.3	40.0	8.2	39	0.3	16.3	8.1	333	2.06	7.5	2.9	1.3	1.9	74	0.3	0.7	0.8	53	1.27	0.062
1170021	Soil	7.3	39.8	11.5	47	0.4	17.5	9.4	364	2.42	11.4	1.9	1.2	2.3	36	0.4	0.4	1.6	69	0.57	0.045
1170036	Soil	36.0	175.4	27.5	65	1.6	19.2	16.3	643	2.78	60.7	2.5	6.6	1.8	41	0.3	1.8	2.1	80	0.41	0.065
1170034	Soil	7.9	73.2	15.7	40	0.9	11.8	8.9	339	2.36	20.5	1.1	2.8	1.5	17	0.6	0.6	0.7	64	0.17	0.056
1170035	Soil	22.8	147.0	21.6	60	1.1	17.5	16.3	954	3.27	60.4	2.5	3.8	1.9	35	0.2	1.5	1.5	94	0.37	0.064
1170028	Soil	9.8	61.9	14.5	51	0.6	17.8	8.7	303	3.04	17.2	2.0	2.5	2.0	33	0.2	0.6	1.3	85	0.38	0.058

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000379.2

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	
1171952	Soil	8	37	0.52	121	0.075	4	2.42	0.012	0.05	0.1	0.06	2.6	0.1	<0.05	7	1.0	<0.2
1171956	Soil	13	34	0.56	112	0.060	2	2.00	0.030	0.10	0.1	0.08	3.9	0.3	<0.05	6	1.4	<0.2
1171960	Soil	17	30	0.64	119	0.074	2	1.84	0.020	0.11	0.2	0.07	4.7	0.4	<0.05	7	0.6	0.6
1171958	Soil	14	34	0.64	111	0.076	4	1.69	0.028	0.11	0.2	0.05	3.9	0.3	<0.05	6	0.9	0.3
1170026	Soil	10	30	0.53	185	0.084	1	1.96	0.017	0.05	0.4	0.04	3.4	0.2	<0.05	7	0.8	<0.2
1170016	Soil	22	43	0.86	114	0.109	3	1.84	0.016	0.09	3.0	0.04	4.8	0.4	<0.05	7	<0.5	<0.2
1170014	Soil	23	47	0.85	153	0.112	2	2.33	0.014	0.07	1.1	0.06	5.0	0.3	<0.05	8	0.7	<0.2
1170013	Soil	13	42	0.67	79	0.128	3	1.53	0.012	0.09	1.1	0.03	2.8	0.2	<0.05	8	<0.5	<0.2
1170012	Soil	23	47	0.76	84	0.123	3	1.51	0.013	0.12	1.0	0.03	2.9	0.3	<0.05	7	<0.5	<0.2
1170011	Soil	24	41	0.71	103	0.108	2	1.48	0.012	0.12	0.9	0.04	3.2	0.3	<0.05	7	<0.5	<0.2
1170010	Soil	11	32	0.57	82	0.112	2	1.72	0.011	0.06	0.6	0.03	2.9	0.2	<0.05	8	0.5	<0.2
1170009	Soil	15	38	0.56	158	0.072	2	2.38	0.016	0.05	0.4	0.08	4.1	0.3	0.06	8	0.8	<0.2
1170008	Soil	15	29	0.52	89	0.071	3	1.54	0.015	0.05	3.2	0.06	3.0	0.3	<0.05	6	0.8	<0.2
1170015	Soil	23	49	0.82	160	0.111	2	2.40	0.015	0.07	1.3	0.07	5.1	0.3	<0.05	8	0.7	<0.2
1170017	Soil	18	48	0.82	141	0.114	2	2.42	0.015	0.06	0.5	0.06	4.5	0.3	<0.05	7	<0.5	<0.2
1170024	Soil	16	31	0.59	213	0.095	2	2.43	0.017	0.07	1.5	0.05	3.8	0.1	<0.05	7	<0.5	<0.2
1170023	Soil	11	27	0.53	167	0.083	2	2.01	0.017	0.06	1.0	0.04	3.3	0.1	<0.05	6	0.7	<0.2
1170038	Soil	12	39	0.71	112	0.127	2	1.76	0.014	0.08	1.3	0.02	3.3	0.2	<0.05	7	<0.5	<0.2
1170025	Soil	10	29	0.56	170	0.080	<1	1.86	0.016	0.05	1.8	0.04	3.0	0.1	0.05	6	0.6	<0.2
1170027	Soil	11	36	0.60	191	0.116	2	2.14	0.019	0.06	0.4	0.04	3.8	0.2	<0.05	7	<0.5	<0.2
1170039	Soil	15	43	0.67	108	0.139	2	1.72	0.013	0.09	1.2	0.02	2.8	0.2	<0.05	8	<0.5	<0.2
1170019	Soil	15	39	0.69	126	0.112	2	2.02	0.014	0.06	0.4	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
1170020	Soil	14	40	0.62	113	0.117	2	2.53	0.017	0.05	0.4	0.06	3.9	0.3	<0.05	8	<0.5	<0.2
1170018	Soil	15	37	0.56	93	0.097	2	1.42	0.012	0.08	0.6	0.02	2.5	0.2	<0.05	7	<0.5	<0.2
1170022	Soil	16	25	0.42	178	0.061	3	1.70	0.018	0.05	1.1	0.08	3.4	0.1	0.07	5	1.0	<0.2
1170021	Soil	11	29	0.55	165	0.098	1	1.98	0.020	0.05	1.2	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
1170036	Soil	11	29	0.62	194	0.087	2	2.08	0.016	0.05	0.3	0.04	3.7	0.3	<0.05	7	1.3	<0.2
1170034	Soil	7	21	0.34	97	0.091	1	1.58	0.014	0.06	0.4	0.03	2.0	0.2	<0.05	6	<0.5	<0.2
1170035	Soil	10	31	0.65	188	0.106	1	2.12	0.015	0.05	0.5	0.04	3.8	0.3	0.05	7	0.9	<0.2
1170028	Soil	10	33	0.62	170	0.093	2	2.10	0.016	0.05	0.6	0.04	3.2	0.2	<0.05	7	<0.5	<0.2

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 Vancouver BC V6C 1H2 Canada

Project: WLF
 Report Date: January 04, 2012

Page: 3 of 4 Part 1

CERTIFICATE OF ANALYSIS

DAW11000379.2

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
1170032	Soil			2.7	62.2	15.1	59	0.4	21.7	13.3	413	3.31	18.6	1.3	9.0	4.2	24	0.2	0.6	0.5	91	0.30	0.052
1170030	Soil			9.7	90.1	16.4	52	0.5	18.2	12.1	495	2.93	20.4	2.6	7.1	4.9	35	0.2	0.6	0.8	86	0.49	0.041
1170037	Soil			18.2	146.9	18.0	64	0.7	23.0	8.4	243	3.11	24.8	2.5	7.8	4.4	24	0.4	0.8	1.2	90	0.27	0.050
1170033	Soil			8.1	91.6	16.8	58	0.9	18.9	11.2	344	3.20	20.5	1.6	7.1	3.6	27	0.3	0.6	0.6	90	0.33	0.050
1170031	Soil			13.9	76.3	22.0	50	1.0	18.1	16.4	677	2.94	22.1	2.6	4.5	1.7	34	0.4	0.6	1.2	75	0.38	0.065
1170029	Soil			4.2	70.5	12.6	49	0.4	19.6	10.4	321	2.68	13.2	1.7	2.1	2.8	29	0.3	0.5	0.6	72	0.32	0.050
1201436	Soil			1.1	15.7	15.4	49	0.2	20.9	9.7	305	2.92	15.0	0.5	1.5	2.2	18	0.4	0.5	0.2	84	0.22	0.020
1202200	Soil			6.4	18.2	13.8	31	0.2	12.0	5.7	129	2.10	19.8	9.4	3.7	1.8	24	0.1	1.5	0.2	62	0.28	0.018
1201435	Soil			1.3	15.8	15.8	53	0.2	18.5	10.1	538	2.93	15.2	0.4	0.7	1.9	18	0.3	0.5	0.2	80	0.20	0.021
1201383	Soil			1.6	19.8	13.9	52	0.3	23.2	11.5	298	3.18	12.1	0.9	2.8	2.6	22	0.3	0.6	0.2	84	0.27	0.020
1202199	Soil			1.8	15.5	14.1	37	0.2	10.1	6.0	246	1.99	9.2	0.5	2.4	1.2	17	0.5	0.4	0.2	65	0.19	0.023
1202287	Soil			6.2	19.7	10.0	27	0.2	11.2	7.0	166	1.32	18.7	24.7	1.8	0.7	66	0.4	2.6	0.2	34	1.11	0.064
1201384	Soil			1.0	18.4	12.3	55	0.3	25.6	11.4	342	3.00	11.7	0.6	2.6	2.8	43	1.7	0.6	0.2	75	0.56	0.033
1201124	Soil			1.2	18.0	14.8	45	0.1	20.4	10.1	258	2.74	26.9	0.6	7.2	2.3	22	0.2	0.5	0.3	78	0.24	0.023
1204499	Soil			1.3	21.5	15.2	51	0.3	27.6	13.9	349	3.34	11.5	0.7	3.7	2.3	28	0.3	0.5	0.2	88	0.27	0.025
1202282	Soil			1.0	19.9	15.5	53	0.3	26.9	12.1	292	3.33	10.3	0.6	4.0	2.6	17	0.3	0.5	0.2	85	0.19	0.026
1204495	Soil			0.5	22.2	11.4	46	0.1	19.8	10.1	309	2.43	9.6	1.1	7.7	3.0	49	0.2	0.7	0.2	67	0.47	0.062
1202285	Soil			0.9	8.1	5.2	19	0.2	5.1	4.9	637	0.88	2.0	0.2	0.5	0.2	17	1.5	0.2	0.1	26	0.15	0.025
1204498	Soil			1.2	21.5	12.6	70	0.2	23.6	12.6	991	2.94	8.7	0.5	1.2	1.3	36	0.4	0.5	0.2	71	0.36	0.037
1204497	Soil			1.2	9.7	7.5	22	<0.1	7.5	4.4	225	1.58	5.2	0.3	3.8	0.6	23	0.1	0.3	0.2	53	0.23	0.028
1202288	Soil			1.2	11.4	6.2	24	<0.1	8.1	4.1	142	1.67	5.4	0.4	0.8	0.5	11	0.1	0.3	0.1	48	0.10	0.027
1202283	Soil			1.3	14.6	14.6	44	0.3	17.6	9.6	346	2.72	9.8	0.5	3.0	1.7	20	0.3	0.6	0.2	75	0.22	0.024
1204500	Soil			1.1	21.5	16.6	53	0.3	27.5	12.6	327	2.96	10.6	0.7	6.7	2.4	29	0.3	0.6	0.2	77	0.31	0.038
1204496	Soil			1.2	18.6	11.1	48	<0.1	23.2	10.9	327	2.75	12.3	0.5	0.7	1.8	27	0.2	0.5	0.2	67	0.28	0.042
1202290	Soil			0.7	22.2	12.7	49	0.2	21.3	10.5	350	2.40	10.7	1.1	4.2	1.9	40	0.1	0.6	0.2	67	0.45	0.058
1202289	Soil			0.6	14.9	7.2	40	<0.1	18.7	8.5	248	2.43	9.0	0.6	25.3	1.8	51	0.2	0.4	0.1	73	0.57	0.042
1201126	Soil			0.9	12.7	12.4	41	<0.1	14.1	7.1	284	2.24	10.3	0.6	4.8	1.4	26	0.2	0.4	0.2	65	0.27	0.041
1201127	Soil			0.7	12.7	5.0	18	0.1	6.5	2.6	72	1.10	3.5	0.6	1.3	0.1	19	0.1	0.2	<0.1	28	0.17	0.064
1202190	Soil			1.0	15.4	23.4	62	0.1	20.9	11.4	470	2.56	15.7	0.8	10.1	2.1	38	0.3	0.7	0.2	72	0.42	0.060
1202191	Soil			0.8	18.1	21.7	46	0.2	18.3	9.2	248	2.42	14.4	1.4	2.4	2.2	29	0.2	0.7	0.3	67	0.27	0.043

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Project: WLF
 Report Date: January 04, 2012

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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	
1170032	Soil	10	33	0.76	162	0.145	3	2.34	0.016	0.06	0.4	0.03	3.9	0.3	<0.05	7	<0.5	<0.2
1170030	Soil	14	30	0.64	218	0.129	2	2.36	0.017	0.05	0.6	0.03	4.1	0.2	<0.05	7	<0.5	<0.2
1170037	Soil	10	40	0.69	112	0.123	2	1.80	0.011	0.07	0.6	0.03	3.5	0.2	<0.05	7	0.5	<0.2
1170033	Soil	10	30	0.70	164	0.152	2	2.17	0.015	0.07	0.4	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
1170031	Soil	12	29	0.54	156	0.081	1	2.13	0.015	0.05	0.4	0.06	3.2	0.2	<0.05	7	<0.5	<0.2
1170029	Soil	11	30	0.57	139	0.111	2	1.82	0.017	0.06	1.2	0.04	3.1	0.1	<0.05	6	0.6	<0.2
1201436	Soil	6	34	0.47	116	0.104	1	2.05	0.017	0.05	<0.1	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
1202200	Soil	7	24	0.34	112	0.095	1	1.50	0.017	0.04	0.1	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
1201435	Soil	7	32	0.45	103	0.123	2	1.86	0.017	0.05	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
1201383	Soil	8	38	0.57	120	0.114	2	2.22	0.016	0.05	0.1	0.02	3.4	0.1	<0.05	7	<0.5	<0.2
1202199	Soil	6	19	0.25	119	0.079	1	1.17	0.015	0.04	0.1	0.03	1.7	0.1	<0.05	6	<0.5	<0.2
1202287	Soil	10	18	0.29	133	0.051	3	1.10	0.017	0.04	0.2	0.07	2.3	<0.1	0.14	3	<0.5	<0.2
1201384	Soil	6	39	0.60	195	0.105	1	2.60	0.016	0.05	0.1	0.04	3.1	<0.1	<0.05	6	<0.5	<0.2
1201124	Soil	7	34	0.47	132	0.107	1	2.08	0.017	0.04	<0.1	0.02	2.8	0.1	<0.05	7	<0.5	<0.2
1204499	Soil	8	40	0.62	138	0.121	1	2.62	0.016	0.05	<0.1	0.03	3.2	0.1	<0.05	7	<0.5	<0.2
1202282	Soil	7	41	0.59	131	0.114	1	2.74	0.014	0.04	<0.1	0.03	3.5	0.1	<0.05	7	<0.5	<0.2
1204495	Soil	12	34	0.63	120	0.112	2	1.89	0.029	0.06	0.1	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
1202285	Soil	3	9	0.12	62	0.041	1	0.52	0.021	0.03	<0.1	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
1204498	Soil	8	33	0.50	232	0.090	2	2.03	0.020	0.03	<0.1	0.03	2.8	0.1	<0.05	7	<0.5	<0.2
1204497	Soil	4	16	0.19	81	0.076	<1	0.80	0.016	0.03	<0.1	0.03	1.3	<0.1	<0.05	5	<0.5	<0.2
1202288	Soil	4	17	0.18	45	0.066	<1	0.94	0.015	0.02	<0.1	0.03	1.1	<0.1	<0.05	5	<0.5	<0.2
1202283	Soil	6	30	0.43	108	0.101	1	1.84	0.017	0.04	0.1	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2
1204500	Soil	8	38	0.63	120	0.108	2	2.74	0.015	0.05	0.1	0.04	3.4	0.1	<0.05	6	<0.5	<0.2
1204496	Soil	6	35	0.54	129	0.091	2	2.41	0.017	0.04	0.1	0.04	2.8	<0.1	<0.05	6	<0.5	<0.2
1202290	Soil	9	35	0.57	139	0.093	2	1.90	0.023	0.05	0.1	0.04	3.7	0.1	<0.05	5	<0.5	<0.2
1202289	Soil	7	31	0.47	92	0.110	2	1.46	0.022	0.04	0.3	0.05	2.4	<0.1	<0.05	4	<0.5	<0.2
1201126	Soil	7	27	0.39	99	0.098	1	1.60	0.014	0.05	0.1	0.06	2.7	0.1	<0.05	6	<0.5	<0.2
1201127	Soil	5	13	0.12	63	0.035	1	0.91	0.017	0.02	<0.1	0.05	1.1	<0.1	0.05	3	<0.5	<0.2
1202190	Soil	8	32	0.52	124	0.104	2	1.73	0.019	0.05	0.2	0.05	2.9	<0.1	<0.05	6	<0.5	<0.2
1202191	Soil	12	33	0.46	121	0.093	2	1.90	0.019	0.04	0.1	0.04	3.6	0.1	<0.05	6	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	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
1202192	Soil	1.1	15.3	17.6	48	0.2	16.0	7.8	257	2.18	11.4	0.8	5.3	1.4	28	0.2	0.6	0.2	68	0.33	0.052
1202442	Soil	0.8	15.9	17.2	51	0.2	15.4	8.4	327	1.74	13.3	1.1	6.4	1.0	43	0.3	0.7	0.2	51	0.46	0.055
1202446	Soil	0.7	12.7	14.5	48	0.1	14.1	6.4	186	1.73	15.9	0.7	7.5	0.9	21	0.2	0.4	0.2	49	0.24	0.049
1202447	Soil	1.7	23.5	10.3	43	0.1	18.2	10.3	377	2.44	12.9	0.9	5.1	2.8	26	0.2	0.8	0.2	66	0.34	0.045
1202443	Soil	2.2	31.5	12.8	56	0.3	22.3	14.0	1162	2.80	14.5	1.0	1.0	2.9	29	0.9	0.8	0.3	70	0.33	0.028
1202444	Soil	2.1	38.9	15.0	51	0.2	22.0	10.3	436	2.90	19.2	1.0	7.0	4.1	37	0.3	0.9	0.5	77	0.48	0.031
1202445	Soil	1.3	33.4	20.8	59	0.3	22.0	10.2	475	2.49	21.8	1.8	1.2	1.6	54	1.0	1.1	0.2	66	0.84	0.054
1202298	Soil	2.2	37.0	14.2	55	0.2	23.9	11.5	365	2.83	17.0	2.0	2.0	4.6	43	0.2	2.0	0.4	71	0.60	0.053



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Project: WLF
 Report Date: January 04, 2012

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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	0.1	0.01	0.1	0.05	1	0.5	0.2	
1202192	Soil	8	29	0.43	99	0.095	1	1.45	0.019	0.05	0.2	0.03	2.4	<0.1	<0.05	6	<0.5	<0.2
1202442	Soil	9	26	0.42	118	0.075	2	1.44	0.020	0.05	0.1	0.05	2.6	<0.1	<0.05	5	<0.5	<0.2
1202446	Soil	8	27	0.44	82	0.083	2	1.47	0.017	0.04	0.1	0.05	2.4	0.1	<0.05	5	<0.5	<0.2
1202447	Soil	9	29	0.52	125	0.101	1	1.74	0.015	0.05	0.2	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
1202443	Soil	12	28	0.49	174	0.089	1	1.97	0.018	0.06	0.1	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
1202444	Soil	9	34	0.59	163	0.099	2	2.02	0.017	0.07	0.2	0.04	3.5	0.1	<0.05	6	<0.5	<0.2
1202445	Soil	14	30	0.51	228	0.071	2	1.83	0.025	0.07	0.1	0.04	3.8	0.1	<0.05	6	<0.5	<0.2
1202298	Soil	13	37	0.62	162	0.103	2	1.90	0.024	0.06	0.3	0.04	5.0	0.2	<0.05	6	<0.5	<0.2



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QUALITY CONTROL REPORT

DAW11000379.2

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																					
1170010	Soil	4.2	31.1	28.9	62	0.3	17.2	11.7	548	2.92	29.5	3.5	14.4	13.2	20	0.1	11.0	0.9	84	0.19	0.048
REP 1170010	QC	4.2	29.3	28.1	58	0.3	16.2	11.3	519	2.87	29.2	3.6	3.0	13.1	20	0.2	10.6	0.9	80	0.19	0.047
1170030	Soil	9.7	90.1	16.4	52	0.5	18.2	12.1	495	2.93	20.4	2.6	7.1	4.9	35	0.2	0.6	0.8	86	0.49	0.041
REP 1170030	QC	9.6	94.8	15.6	53	0.5	19.5	12.4	489	3.08	21.3	2.6	6.9	4.8	35	0.2	0.6	0.7	87	0.48	0.041
1202200	Soil	6.4	18.2	13.8	31	0.2	12.0	5.7	129	2.10	19.8	9.4	3.7	1.8	24	0.1	1.5	0.2	62	0.28	0.018
REP 1202200	QC	6.7	18.1	13.8	32	0.2	11.8	5.8	128	2.15	19.9	9.1	3.3	1.8	25	0.2	1.5	0.2	64	0.28	0.016
1202443	Soil	2.2	31.5	12.8	56	0.3	22.3	14.0	1162	2.80	14.5	1.0	1.0	2.9	29	0.9	0.8	0.3	70	0.33	0.028
REP 1202443	QC	2.2	30.7	13.2	57	0.2	21.6	13.2	1110	2.81	14.5	1.0	1.7	2.9	30	1.0	0.8	0.3	72	0.34	0.029
Reference Materials																					
STD DS8	Standard	13.6	109.8	121.7	302	1.6	37.9	7.6	570	2.38	24.8	2.9	103.1	7.1	64	2.2	5.4	6.8	42	0.66	0.072
STD DS8	Standard	13.2	114.0	130.6	304	1.9	39.2	7.7	608	2.51	27.0	2.8	121.6	6.9	65	2.4	5.5	7.4	46	0.68	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



Acme Analytical Laboratories (Vancouver) Ltd.

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Project: WLF

Report Date: January 04, 2012

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

DAW11000379.2

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																		
1170010	Soil	11	32	0.57	82	0.112	2	1.72	0.011	0.06	0.6	0.03	2.9	0.2	<0.05	8	0.5	<0.2
REP 1170010	QC	11	32	0.56	78	0.108	2	1.67	0.013	0.06	0.4	0.03	2.8	0.2	<0.05	7	<0.5	<0.2
1170030	Soil	14	30	0.64	218	0.129	2	2.36	0.017	0.05	0.6	0.03	4.1	0.2	<0.05	7	<0.5	<0.2
REP 1170030	QC	13	32	0.65	216	0.127	1	2.32	0.016	0.05	0.7	0.04	3.9	0.2	<0.05	7	<0.5	<0.2
1202200	Soil	7	24	0.34	112	0.095	1	1.50	0.017	0.04	0.1	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
REP 1202200	QC	7	25	0.32	113	0.100	<1	1.49	0.018	0.04	0.1	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
1202443	Soil	12	28	0.49	174	0.089	1	1.97	0.018	0.06	0.1	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
REP 1202443	QC	12	30	0.49	174	0.093	2	1.89	0.017	0.06	0.1	0.03	3.6	0.2	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	115	0.60	261	0.121	2	0.85	0.090	0.39	3.0	0.18	2.3	5.3	0.16	5	4.7	4.8
STD DS8	Standard	14	115	0.64	268	0.109	3	0.94	0.093	0.42	2.7	0.24	2.1	5.7	0.14	5	4.7	4.8
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 18, 2011
Report Date: January 04, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

DAW11000383.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-07
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

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

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

Invoice To: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

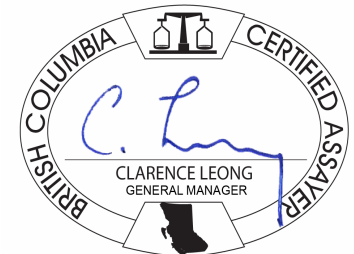
CC: Graeme Dayna

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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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 Vancouver BC V6C 1H2 Canada

Project: WLF
Report Date: January 04, 2012

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

DAW11000383.2

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	
1161670	Soil	2.5	41.0	24.0	65	0.4	26.9	11.1	341	3.37	18.5	3.6	6.3	11.1	27	0.2	4.4	1.0	86	0.38	0.060



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Project: WLF
Report Date: January 04, 2012

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

DAW11000383.2

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	
1161670	Soil	14	46	0.69	142	0.131	2	2.24	0.014	0.06	0.5	0.03	3.8	0.2	<0.05	7	<0.5	<0.2



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Project: WLF
 Report Date: January 04, 2012

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

DAW11000383.2

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	
Reference Materials																					
STD DS8	Standard	14.7	117.2	117.7	323	1.9	40.1	7.8	628	2.53	26.4	2.6	107.3	6.8	67	2.3	5.9	6.4	45	0.75	0.089
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



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Project: WLF

Report Date: January 04, 2012

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

DAW11000383.2

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	
Reference Materials																		
STD DS8	Standard	16	128	0.63	287	0.124	3	0.99	0.102	0.44	3.1	0.21	2.3	5.6	0.19	5	5.6	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



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Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 15, 2011
Report Date: January 04, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

DAW11000384.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-06
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: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

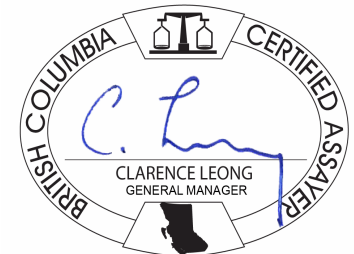
CC: Peter Tallman

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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Project: WLF
 Report Date: January 04, 2012

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

DAW11000384.2

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
1168813	Soil	5.3	39.6	14.5	57	0.4	16.3	11.3	547	2.63	14.6	5.7	3.5	3.9	48	0.3	1.1	1.7	66	0.87	0.056
1168815	Soil	1.3	23.8	13.8	46	0.2	18.3	10.6	449	2.79	10.4	1.0	3.4	3.6	29	0.1	1.1	0.7	72	0.49	0.032
1168814	Soil	1.4	33.7	15.2	59	0.3	16.7	9.7	328	2.62	13.9	1.7	3.4	5.3	37	0.3	1.3	0.8	71	0.73	0.061
1168816	Soil	1.3	23.3	9.6	52	<0.1	20.3	10.5	332	2.91	10.0	1.0	10.7	3.9	26	0.1	0.7	0.3	77	0.39	0.032
1168817	Soil	2.8	24.7	12.5	49	0.3	16.7	10.0	398	2.61	9.9	1.2	2.0	2.9	26	0.2	0.7	0.4	69	0.42	0.038
1168818	Soil	1.8	21.4	10.2	45	0.1	17.7	9.9	437	2.56	8.9	1.1	3.8	3.1	27	0.2	0.5	0.3	66	0.41	0.041
1168819	Soil	6.6	37.3	15.5	51	0.5	17.4	8.4	307	2.54	10.2	2.4	5.6	2.0	33	0.3	0.7	0.5	64	0.57	0.058
1168820	Soil	1.8	21.7	18.5	50	0.5	17.4	8.7	323	2.52	74.4	1.1	6.3	3.7	26	0.2	2.4	0.2	66	0.41	0.042
1168809	Soil	2.0	37.9	21.2	46	0.5	8.3	9.1	359	2.90	20.6	4.3	5.0	9.3	58	0.2	1.8	0.6	73	1.08	0.056
1170059	Soil	8.2	36.7	28.7	52	0.8	16.5	12.2	617	2.25	18.8	9.8	5.6	4.7	64	0.4	3.0	0.6	60	1.00	0.061
1170060	Soil	7.2	43.2	37.8	78	1.3	19.7	14.7	850	3.16	21.2	8.9	14.2	12.4	25	0.7	5.1	0.9	74	0.37	0.100
1170062	Soil	5.0	40.2	30.4	67	0.9	19.9	7.6	213	2.97	14.4	6.9	4.8	12.8	24	0.5	2.2	1.1	70	0.28	0.057
1170061	Soil	3.3	29.5	33.1	59	0.3	24.2	11.9	366	3.13	13.7	3.2	7.6	11.2	20	0.2	2.2	0.4	74	0.30	0.047
1170063	Soil	3.8	31.6	20.2	42	0.9	13.7	4.5	110	1.91	8.5	7.6	3.7	4.4	25	0.4	1.5	0.7	45	0.31	0.056
1170064	Soil	4.8	25.0	23.7	59	0.4	16.8	6.6	270	2.30	10.9	2.6	1.7	10.0	34	0.2	2.5	1.1	60	0.65	0.069
1170065	Soil	14.7	27.5	31.9	61	1.0	16.7	7.4	210	3.07	21.7	3.0	4.1	5.9	23	0.3	1.9	1.9	89	0.29	0.045
1170066	Soil	5.9	24.6	21.4	47	0.5	18.3	7.9	294	2.81	10.3	4.8	3.2	12.6	35	0.2	2.9	0.6	69	0.50	0.075
1170067	Soil	1.9	17.8	20.8	45	0.2	18.3	7.4	280	2.51	9.2	2.5	1.9	21.9	74	0.2	5.8	1.0	62	1.12	0.096
1170068	Soil	5.2	45.6	28.6	47	0.8	12.9	5.0	182	1.99	12.8	3.7	4.6	8.0	29	0.2	3.4	0.9	61	0.29	0.035
1168822	Soil	1.9	30.2	20.5	37	0.8	11.1	5.5	154	2.19	24.7	0.9	6.7	1.9	14	0.4	1.9	0.5	54	0.19	0.032
1168821	Soil	2.4	20.7	15.0	52	0.8	16.3	8.9	289	2.65	69.6	0.9	3.7	3.1	25	0.3	9.4	0.3	69	0.38	0.035
1168824	Soil	10.0	88.4	30.9	70	1.0	17.5	13.6	529	2.94	74.8	7.6	11.1	4.1	41	0.9	5.2	0.8	75	0.45	0.047
1168823	Soil	1.2	38.6	14.4	64	0.4	15.6	12.9	440	3.95	12.5	0.9	3.8	9.7	30	0.2	3.0	0.2	108	0.59	0.046
1168811	Soil	2.8	29.1	12.7	46	0.3	14.7	8.8	324	2.60	9.1	1.4	4.5	5.5	34	0.2	1.0	2.8	69	0.60	0.045
1168825	Soil	4.1	31.7	25.2	51	0.8	13.7	6.5	179	2.35	54.5	1.3	8.5	2.2	20	0.4	3.8	0.5	64	0.21	0.030
1168810	Soil	2.5	42.6	18.5	48	0.7	11.3	9.1	391	2.61	19.7	5.7	6.9	8.3	54	0.3	1.5	0.6	69	1.07	0.053
1168808	Soil	5.8	42.2	12.9	51	0.5	19.2	12.6	569	2.83	11.9	1.7	16.5	3.2	30	0.2	0.5	0.8	75	0.44	0.040
1168812	Soil	5.5	50.1	13.8	54	0.3	16.0	9.8	417	2.64	10.7	5.7	4.0	4.7	43	0.3	0.6	6.6	69	0.76	0.056
1168530	Soil	2.9	24.0	18.7	75	0.7	17.1	12.0	992	2.90	12.5	0.3	0.6	1.4	34	1.8	1.5	0.5	69	0.50	0.037
1168529	Soil	27.5	143.8	25.0	62	1.6	17.9	17.3	944	2.84	51.1	6.4	10.7	3.5	47	1.0	3.3	0.7	72	0.64	0.069

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Project: WLF
 Report Date: January 04, 2012

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

DAW11000384.2

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	0.1	0.05	0.5	0.2	
1168813	Soil	16	25	0.66	177	0.100	2	2.02	0.024	0.10	1.0	0.05	4.3	0.2	<0.05	7	<0.5	<0.2
1168815	Soil	11	32	0.67	138	0.096	<1	1.91	0.015	0.06	0.2	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
1168814	Soil	17	29	0.68	181	0.125	2	1.93	0.021	0.16	0.7	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
1168816	Soil	12	33	0.68	145	0.102	<1	2.09	0.018	0.05	0.2	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
1168817	Soil	10	27	0.61	129	0.101	2	1.85	0.014	0.05	0.5	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
1168818	Soil	12	29	0.58	155	0.093	1	1.84	0.015	0.04	0.7	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
1168819	Soil	12	28	0.57	157	0.090	2	1.97	0.017	0.05	0.4	0.05	3.3	0.1	0.06	7	<0.5	<0.2
1168820	Soil	11	28	0.55	137	0.076	2	1.80	0.014	0.04	0.4	0.07	3.1	0.1	<0.05	6	<0.5	<0.2
1168809	Soil	24	18	0.63	111	0.114	<1	2.58	0.025	0.21	1.0	0.02	4.8	0.3	<0.05	8	<0.5	<0.2
1170059	Soil	20	26	0.45	190	0.085	3	1.57	0.020	0.05	1.0	0.06	4.1	0.2	0.08	5	<0.5	<0.2
1170060	Soil	17	39	0.66	138	0.096	2	2.14	0.016	0.10	0.6	0.06	4.1	0.3	<0.05	9	<0.5	<0.2
1170062	Soil	15	36	0.56	128	0.098	1	2.07	0.014	0.05	0.6	0.06	3.6	0.2	<0.05	8	<0.5	<0.2
1170061	Soil	12	38	0.63	148	0.104	1	2.01	0.014	0.04	0.3	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
1170063	Soil	16	25	0.36	115	0.067	1	1.36	0.013	0.04	0.3	0.05	2.8	0.2	<0.05	7	<0.5	<0.2
1170064	Soil	15	34	0.53	122	0.095	1	1.70	0.035	0.08	0.5	0.03	2.2	0.3	<0.05	6	<0.5	<0.2
1170065	Soil	12	33	0.51	101	0.117	1	1.65	0.011	0.06	0.4	0.03	2.8	0.2	<0.05	9	<0.5	<0.2
1170066	Soil	19	40	0.54	115	0.085	<1	1.75	0.019	0.06	0.7	0.04	3.1	0.1	<0.05	7	<0.5	<0.2
1170067	Soil	21	41	0.54	108	0.085	1	2.37	0.032	0.13	0.3	0.01	2.4	0.2	<0.05	7	<0.5	<0.2
1170068	Soil	13	27	0.35	97	0.086	1	1.36	0.011	0.04	0.2	0.03	2.2	0.1	<0.05	8	<0.5	<0.2
1168822	Soil	8	21	0.32	68	0.071	1	1.50	0.015	0.04	0.2	0.05	2.2	0.2	<0.05	6	<0.5	<0.2
1168821	Soil	10	28	0.55	117	0.080	2	1.86	0.015	0.04	0.3	0.06	3.2	0.2	<0.05	6	<0.5	<0.2
1168824	Soil	17	29	0.52	154	0.088	1	2.29	0.014	0.07	0.4	0.05	4.3	0.3	<0.05	8	<0.5	<0.2
1168823	Soil	17	27	0.99	164	0.222	2	3.11	0.014	0.18	0.2	0.01	5.0	0.2	<0.05	10	<0.5	<0.2
1168811	Soil	13	24	0.60	118	0.112	1	1.97	0.019	0.10	2.3	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
1168825	Soil	9	24	0.42	82	0.096	<1	1.46	0.014	0.05	0.2	0.02	2.2	0.1	<0.05	7	<0.5	<0.2
1168810	Soil	35	19	0.57	104	0.113	1	2.35	0.024	0.18	1.6	0.04	5.1	0.2	<0.05	8	<0.5	<0.2
1168808	Soil	12	30	0.54	164	0.092	1	2.04	0.015	0.06	1.3	0.03	3.4	0.1	<0.05	7	<0.5	<0.2
1168812	Soil	18	27	0.64	148	0.111	1	1.86	0.026	0.10	2.3	0.03	4.3	0.2	<0.05	6	<0.5	<0.2
1168530	Soil	6	24	0.54	184	0.104	2	1.96	0.019	0.11	0.3	0.02	2.3	0.1	<0.05	7	<0.5	<0.2
1168529	Soil	16	30	0.58	152	0.087	1	2.06	0.014	0.08	0.5	0.07	4.5	0.3	0.08	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000384.2

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	
1168531	Soil	1.5	20.4	63.9	76	0.3	12.5	14.1	510	3.04	55.0	0.5	0.6	5.9	57	0.5	10.2	0.8	80	1.49	0.032
1168801	Soil	1.3	23.8	14.2	49	0.1	15.5	8.9	316	2.50	12.1	0.8	4.3	3.6	26	0.2	2.4	0.4	68	0.39	0.036
1168802	Soil	3.9	29.1	21.2	50	0.6	14.2	7.3	194	2.37	15.9	0.9	1.8	2.6	21	0.2	0.9	0.5	65	0.31	0.021
1168803	Soil	3.7	41.1	14.3	51	0.4	17.8	9.3	311	2.83	12.1	2.0	5.5	3.4	27	0.2	0.6	0.6	69	0.40	0.035
1168804	Soil	12.9	39.6	15.5	51	0.4	16.8	14.9	685	2.68	11.5	2.2	3.0	2.1	30	0.3	0.5	0.7	72	0.41	0.048
1168806	Soil	3.6	22.7	11.6	47	0.2	15.4	8.5	279	2.48	8.2	1.0	2.2	3.1	25	0.2	0.6	0.3	68	0.40	0.031
1168805	Soil	3.3	23.0	11.5	46	0.1	16.4	8.8	290	2.53	8.6	1.2	6.3	3.6	25	0.1	0.6	0.4	71	0.37	0.033
1168807	Soil	3.2	25.7	10.1	44	0.3	16.6	8.4	315	2.48	9.2	1.2	2.5	3.2	26	0.2	0.5	0.4	67	0.38	0.035
1170051	Soil	5.9	64.8	51.2	55	1.5	15.7	11.4	954	2.26	76.3	5.7	8.1	2.2	53	1.4	8.4	0.7	54	0.64	0.045
1170052	Soil	3.7	28.3	45.5	56	0.9	13.0	8.8	276	2.44	76.0	2.0	6.7	3.0	31	0.5	8.2	0.6	66	0.35	0.037
1170053	Soil	4.9	46.6	78.1	77	1.6	16.5	8.0	229	2.43	132.2	3.0	20.0	2.7	38	0.5	19.2	1.0	58	0.36	0.043
1170054	Soil	2.9	45.8	29.1	77	0.5	14.8	10.6	375	2.46	118.8	4.0	16.8	4.4	53	0.5	8.5	1.6	57	0.43	0.072
1170055	Soil	1.2	20.3	11.5	32	0.4	7.2	6.4	250	1.31	33.1	0.9	4.4	1.4	20	0.3	5.8	0.4	31	0.15	0.043
1170056	Soil	2.0	32.7	20.1	68	0.2	20.8	12.3	243	3.08	26.6	1.4	14.9	5.2	26	0.3	3.1	0.6	70	0.18	0.050
1170057	Soil	1.8	30.6	15.5	35	0.2	13.3	7.0	145	2.47	11.6	1.8	16.6	3.5	24	0.2	1.0	0.4	56	0.15	0.027
1170058	Soil	2.0	33.4	16.7	52	0.2	22.6	11.8	246	3.48	14.9	1.4	12.8	5.2	34	0.2	0.8	0.4	72	0.20	0.033
1170069	Soil	5.2	187.1	21.0	40	0.9	11.7	5.0	100	1.73	26.9	5.2	27.9	2.7	46	0.3	5.3	0.8	41	0.28	0.077
1170070	Soil	5.2	165.3	21.8	56	0.6	14.2	7.6	176	2.50	44.7	2.5	20.8	4.3	36	0.4	4.7	0.7	68	0.30	0.075
1170071	Soil	3.3	35.9	25.7	36	0.2	6.5	4.1	168	2.05	19.3	1.8	8.1	4.4	34	0.2	1.7	0.7	72	0.20	0.055
1170040	Soil	4.1	46.7	24.4	62	0.7	12.8	10.5	488	2.69	118.1	33.5	7.8	3.9	46	0.6	3.4	2.4	71	0.94	0.056
1170041	Soil	2.4	34.2	28.2	62	0.5	15.8	10.8	443	2.65	28.0	7.2	7.6	5.2	45	0.6	3.9	1.2	67	0.89	0.061
1170042	Soil	1.8	37.3	32.8	73	0.3	12.5	16.5	667	3.86	34.5	2.6	3.7	5.9	90	0.5	4.4	1.3	106	1.07	0.056
1170043	Soil	1.9	27.0	20.6	55	0.3	16.5	13.3	575	3.06	24.9	1.5	6.1	3.9	43	0.3	5.1	1.1	84	0.75	0.052
1170044	Soil	1.5	22.2	13.2	50	0.2	16.5	11.4	586	2.87	27.0	1.1	2.0	3.7	32	0.2	2.1	0.4	77	0.55	0.038
1170045	Soil	1.4	17.0	10.5	36	0.3	13.2	6.5	189	2.40	14.9	0.6	8.2	1.9	22	0.2	1.6	0.3	75	0.30	0.024
1170046	Soil	0.9	27.8	10.2	53	<0.1	24.8	14.0	478	3.46	13.9	0.6	3.1	4.8	117	0.1	1.1	0.2	89	0.69	0.041
1170047	Soil	0.7	19.0	8.2	44	<0.1	20.3	9.6	281	2.59	9.6	0.8	10.1	3.4	27	<0.1	1.3	0.2	73	0.44	0.049
1170048	Soil	1.2	17.6	13.1	47	0.3	16.9	10.1	405	2.72	14.5	0.7	4.0	3.6	26	0.2	1.5	0.2	76	0.40	0.055
1170049	Soil	2.9	27.1	19.5	92	0.2	16.9	16.6	502	4.25	21.1	1.5	<0.5	6.8	30	0.4	4.2	0.3	116	0.52	0.037
1170050	Soil	2.7	27.0	19.8	92	0.2	16.5	16.3	522	4.39	21.9	1.4	1.8	7.3	31	0.5	4.6	0.3	116	0.55	0.039

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000384.2

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
1168531	Soil	10	18	0.71	70	0.143	<1	4.09	0.016	0.14	0.3	0.03	5.3	0.1	<0.05	12	<0.5	<0.2
1168801	Soil	9	27	0.58	125	0.111	2	1.68	0.016	0.05	2.7	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
1168802	Soil	8	24	0.49	121	0.109	1	1.67	0.014	0.05	0.7	0.02	2.8	0.2	<0.05	7	<0.5	<0.2
1168803	Soil	12	28	0.57	175	0.101	1	2.08	0.015	0.05	0.9	0.03	3.6	0.1	<0.05	7	<0.5	<0.2
1168804	Soil	11	28	0.56	175	0.093	<1	1.98	0.014	0.06	0.5	0.04	3.4	0.1	<0.05	7	<0.5	<0.2
1168806	Soil	8	26	0.55	134	0.109	<1	1.72	0.016	0.05	1.3	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
1168805	Soil	8	27	0.56	138	0.097	1	1.71	0.018	0.04	1.0	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
1168807	Soil	10	27	0.53	146	0.081	2	1.78	0.013	0.04	0.9	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
1170051	Soil	12	22	0.36	165	0.079	2	1.44	0.013	0.06	0.3	0.07	2.5	0.2	0.07	5	<0.5	<0.2
1170052	Soil	9	22	0.54	119	0.130	1	1.62	0.013	0.09	0.5	0.02	2.3	0.3	<0.05	7	<0.5	<0.2
1170053	Soil	10	29	0.53	113	0.073	1	1.87	0.013	0.05	0.3	0.05	2.9	0.2	<0.05	7	<0.5	<0.2
1170054	Soil	13	28	0.52	96	0.087	1	1.68	0.015	0.07	0.6	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
1170055	Soil	6	13	0.22	63	0.045	1	0.96	0.015	0.03	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1170056	Soil	8	32	0.64	93	0.107	<1	2.11	0.011	0.03	0.2	0.02	3.4	0.1	<0.05	6	0.5	<0.2
1170057	Soil	10	24	0.44	90	0.093	<1	1.69	0.014	0.03	0.2	0.02	3.1	0.2	<0.05	6	<0.5	<0.2
1170058	Soil	13	38	0.60	136	0.109	1	2.39	0.018	0.05	0.2	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
1170069	Soil	15	25	0.35	106	0.067	<1	1.32	0.013	0.06	0.1	0.05	3.4	0.2	<0.05	5	0.5	<0.2
1170070	Soil	11	37	0.68	100	0.129	1	1.52	0.013	0.13	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
1170071	Soil	10	23	0.64	69	0.157	1	1.22	0.013	0.10	0.2	0.01	3.0	0.1	<0.05	6	<0.5	<0.2
1170040	Soil	19	22	0.61	137	0.081	2	1.99	0.019	0.12	0.5	0.04	3.7	0.3	<0.05	7	<0.5	<0.2
1170041	Soil	16	27	0.68	136	0.093	<1	1.95	0.022	0.15	0.5	0.06	4.8	0.3	<0.05	6	<0.5	<0.2
1170042	Soil	14	26	1.16	210	0.198	1	3.24	0.024	0.32	0.7	0.03	5.7	0.5	<0.05	10	<0.5	<0.2
1170043	Soil	13	27	0.74	144	0.130	<1	2.50	0.017	0.12	0.6	0.07	3.8	0.2	<0.05	8	<0.5	<0.2
1170044	Soil	10	29	0.63	151	0.112	<1	2.14	0.019	0.05	0.5	0.04	3.6	0.2	<0.05	7	<0.5	<0.2
1170045	Soil	8	24	0.44	114	0.103	<1	1.46	0.012	0.05	0.3	0.02	2.6	0.1	<0.05	8	<0.5	<0.2
1170046	Soil	15	32	0.94	248	0.164	<1	3.04	0.079	0.14	0.2	0.02	4.3	0.2	<0.05	8	<0.5	<0.2
1170047	Soil	11	34	0.59	155	0.101	1	1.84	0.020	0.05	0.2	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
1170048	Soil	9	27	0.64	151	0.109	<1	1.91	0.017	0.08	0.2	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
1170049	Soil	9	30	0.97	160	0.242	<1	3.08	0.019	0.22	0.2	0.02	3.9	0.2	<0.05	10	<0.5	<0.2
1170050	Soil	9	29	1.02	163	0.266	<1	2.99	0.018	0.26	0.2	0.02	3.9	0.3	<0.05	10	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000384.2

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	
1176626	Soil	0.6	23.5	10.5	52	0.4	16.1	9.7	291	2.70	17.9	1.2	7.1	3.8	30	0.2	1.6	0.7	69	0.53	0.060
1176627	Soil	0.6	21.0	9.4	49	0.2	17.2	10.5	308	2.74	14.1	0.8	5.2	3.9	26	0.1	0.9	0.4	74	0.45	0.053
1176628	Soil	1.0	15.1	8.1	36	0.3	10.9	6.3	172	1.88	10.0	1.1	2.2	1.3	29	0.2	0.7	0.3	52	0.46	0.063
1168501	Soil	7.4	29.2	24.5	56	0.6	11.8	10.8	321	2.60	85.8	6.1	11.1	4.1	41	0.3	4.3	2.7	68	0.87	0.062
1168502	Soil	0.6	20.2	8.0	43	<0.1	19.2	9.5	312	2.67	7.8	0.4	0.8	2.5	32	0.1	0.6	0.2	72	0.51	0.049
1168503	Soil	0.8	24.4	7.5	45	0.2	20.1	11.6	603	2.68	7.6	0.6	1.6	2.5	30	0.3	0.5	0.1	74	0.52	0.061
1168504	Soil	1.2	23.0	22.4	76	0.4	19.7	14.4	505	3.87	13.1	0.7	4.6	5.0	27	0.3	1.1	0.4	106	0.43	0.022
1168505	Soil	1.4	18.6	12.0	56	0.1	23.6	12.1	382	3.32	18.7	2.5	0.9	3.8	31	0.3	1.2	0.2	86	0.49	0.023
1168506	Soil	7.1	20.2	17.8	48	0.4	15.9	10.6	651	2.54	42.4	6.3	7.8	2.9	43	0.3	2.9	0.4	68	0.76	0.051
1168507	Soil	4.9	33.4	20.3	56	0.5	15.8	10.7	388	2.80	59.5	6.0	8.9	5.3	50	0.4	3.7	0.4	76	0.72	0.052
1168508	Soil	2.1	19.1	16.4	42	0.4	15.4	8.6	294	2.48	42.8	1.1	8.3	3.2	29	0.4	3.2	0.4	69	0.39	0.046
1168509	Soil	2.2	19.7	19.0	59	0.5	16.6	9.7	378	2.76	69.6	0.8	5.2	3.3	29	0.4	3.0	0.4	74	0.35	0.044
1168517	Soil	2.6	71.6	21.5	51	0.4	14.1	6.8	115	2.90	19.3	1.9	15.2	2.0	34	0.3	1.9	1.0	53	0.23	0.062
1168518	Soil	1.7	52.8	57.3	90	0.4	17.2	19.2	644	2.49	15.8	1.3	20.4	4.7	77	0.7	1.4	1.1	62	0.49	0.068
1168519	Soil	0.6	25.5	14.7	61	<0.1	88.3	12.7	186	2.68	4.1	0.8	3.8	2.8	27	0.2	0.4	0.3	90	0.26	0.058
1168520	Soil	0.7	28.0	8.8	25	0.2	10.5	3.9	89	1.73	3.6	1.2	5.4	0.2	26	0.3	0.3	0.2	44	0.20	0.082
1168521	Soil	0.5	13.5	11.2	33	0.1	11.9	4.2	99	1.37	3.2	0.6	4.7	0.6	31	0.2	0.3	0.3	32	0.26	0.038
1168522	Soil	3.0	33.8	24.1	51	0.4	15.1	5.3	152	2.02	10.4	4.5	6.3	10.4	52	0.2	2.4	0.7	51	0.48	0.086
1168523	Soil	2.5	24.3	25.9	62	0.2	24.6	11.4	423	3.55	9.9	4.8	6.5	21.4	36	0.2	2.4	0.5	92	0.47	0.065
1168524	Soil	1.1	17.2	22.1	57	<0.1	23.9	10.4	413	3.19	7.2	3.0	1.6	25.1	58	0.3	1.8	0.7	83	0.71	0.120
1168525	Soil	2.8	28.1	29.2	96	0.2	15.4	9.0	421	3.18	33.5	5.7	2.9	32.4	94	0.4	9.8	0.7	73	0.87	0.097
1168526	Soil	6.9	47.2	46.4	69	2.0	18.8	8.0	382	2.65	22.3	16.6	13.3	12.9	60	0.7	4.6	1.5	64	0.79	0.099
1168527	Soil	4.8	27.9	11.5	25	0.6	9.0	3.3	89	1.21	2.4	1.9	3.0	4.0	32	0.2	0.5	0.6	37	0.40	0.020
1168528	Soil	6.8	56.7	17.5	67	0.8	26.1	12.5	768	2.90	8.3	6.6	3.3	9.8	47	0.4	0.7	0.7	75	0.61	0.043
1171852	Soil	7.4	37.5	15.0	51	0.4	17.2	10.1	486	2.53	19.2	5.6	4.7	3.6	57	0.3	1.0	2.2	69	0.97	0.055
1171853	Soil	1.1	33.1	7.6	49	<0.1	29.3	13.0	368	3.25	10.7	0.6	9.2	4.2	37	<0.1	0.6	0.2	90	0.48	0.014
1171854	Soil	1.2	24.1	11.6	49	0.1	20.6	11.4	445	3.08	8.8	0.9	7.6	4.8	36	0.1	0.8	1.3	87	0.57	0.041
1171855	Soil	2.1	26.6	15.5	57	0.2	24.0	11.5	358	3.37	14.4	1.0	3.2	4.6	34	0.1	1.2	0.7	89	0.49	0.030
1171856	Soil	3.7	29.6	15.5	49	0.3	17.5	11.5	502	2.90	11.8	2.2	3.3	5.2	37	0.2	1.2	0.4	80	0.55	0.034
1171857	Soil	2.5	28.2	14.6	54	0.2	22.1	11.1	357	3.20	17.5	1.3	4.8	4.5	35	0.1	0.9	0.5	92	0.45	0.033

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Project: WLF
 Report Date: January 04, 2012

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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
1176626	Soil	13	28	0.62	178	0.122	1	1.91	0.020	0.07	0.2	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
1176627	Soil	11	30	0.62	169	0.115	1	1.94	0.019	0.06	0.3	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
1176628	Soil	11	20	0.40	126	0.073	1	1.36	0.016	0.06	0.2	0.06	2.5	<0.1	0.06	4	<0.5	<0.2
1168501	Soil	15	23	0.63	159	0.093	2	2.09	0.021	0.10	0.5	0.05	3.8	0.3	0.06	7	<0.5	<0.2
1168502	Soil	8	31	0.62	142	0.108	<1	1.75	0.029	0.06	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
1168503	Soil	11	30	0.61	174	0.097	<1	1.68	0.020	0.06	0.2	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
1168504	Soil	9	30	0.81	192	0.191	<1	2.99	0.016	0.12	0.8	0.02	3.4	0.2	<0.05	9	<0.5	<0.2
1168505	Soil	10	39	0.66	146	0.129	1	2.19	0.014	0.17	0.2	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1168506	Soil	12	26	0.57	177	0.098	<1	1.65	0.023	0.07	0.5	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
1168507	Soil	15	29	0.68	215	0.128	<1	1.99	0.033	0.13	0.5	0.03	4.2	0.2	<0.05	6	<0.5	<0.2
1168508	Soil	11	28	0.55	148	0.116	1	1.61	0.020	0.05	0.8	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
1168509	Soil	10	29	0.60	160	0.113	<1	1.72	0.016	0.06	0.8	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
1168517	Soil	13	28	0.44	74	0.067	2	1.85	0.014	0.04	0.2	0.05	2.8	0.1	0.06	6	<0.5	<0.2
1168518	Soil	10	30	0.45	89	0.095	2	1.87	0.018	0.05	0.4	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
1168519	Soil	9	150	1.21	108	0.250	3	1.34	0.013	0.23	0.2	<0.01	1.9	0.2	<0.05	7	<0.5	<0.2
1168520	Soil	7	23	0.19	60	0.038	2	0.73	0.013	0.04	0.1	0.05	1.2	0.1	0.11	3	<0.5	<0.2
1168521	Soil	7	27	0.34	56	0.107	1	1.01	0.017	0.04	0.1	0.03	1.9	0.1	0.06	7	<0.5	<0.2
1168522	Soil	18	38	0.50	69	0.092	2	1.49	0.019	0.06	0.4	0.04	3.0	0.1	0.05	7	<0.5	<0.2
1168523	Soil	18	48	0.70	116	0.139	2	2.23	0.021	0.05	0.3	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1168524	Soil	23	56	0.77	94	0.151	2	2.09	0.019	0.11	0.8	<0.01	3.4	0.2	<0.05	8	<0.5	<0.2
1168525	Soil	25	34	0.74	89	0.090	2	2.30	0.019	0.09	0.8	0.02	3.9	0.2	<0.05	8	<0.5	<0.2
1168526	Soil	19	39	0.51	139	0.072	2	2.19	0.020	0.05	0.6	0.12	4.6	0.2	0.06	7	<0.5	<0.2
1168527	Soil	7	17	0.20	68	0.076	2	0.73	0.020	0.06	0.2	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1168528	Soil	18	36	0.58	131	0.110	2	1.97	0.024	0.08	0.2	0.05	4.3	0.2	<0.05	7	<0.5	<0.2
1171852	Soil	16	28	0.59	165	0.110	3	2.08	0.027	0.07	1.5	0.05	4.2	0.2	0.06	6	<0.5	<0.2
1171853	Soil	14	50	0.74	139	0.155	1	2.22	0.036	0.05	0.2	0.03	6.7	<0.1	<0.05	6	<0.5	<0.2
1171854	Soil	15	38	0.74	171	0.159	1	1.99	0.031	0.08	0.3	0.02	4.4	0.2	<0.05	6	<0.5	<0.2
1171855	Soil	13	38	0.76	157	0.139	2	2.61	0.022	0.07	0.3	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
1171856	Soil	13	31	0.62	158	0.121	2	2.41	0.021	0.05	0.5	0.04	4.3	0.2	<0.05	7	<0.5	<0.2
1171857	Soil	12	38	0.74	183	0.163	2	2.59	0.022	0.06	0.4	0.02	4.5	0.2	<0.05	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	%	%	
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	
1171858	Soil	8.7	40.2	14.2	47	0.4	17.3	7.9	226	2.57	9.9	2.6	4.1	2.4	30	0.2	0.5	0.7	71	0.39	0.045
1171859	Soil	2.5	25.3	17.8	55	0.1	20.5	10.1	335	3.29	14.6	1.0	5.2	3.6	27	0.1	1.0	0.9	90	0.40	0.033
1171860	Soil	4.2	28.1	16.7	55	0.4	18.6	11.5	436	3.08	17.7	1.2	3.5	3.8	27	0.3	1.0	0.5	83	0.36	0.032
1171861	Soil	2.9	24.0	24.8	50	0.7	13.3	8.9	370	2.83	101.4	1.2	106.0	3.9	28	0.2	7.8	1.4	77	0.40	0.042
1168510	Soil	1.4	18.6	16.4	43	0.2	17.7	8.6	248	2.64	34.0	0.8	5.1	3.3	36	0.2	1.2	0.4	73	0.36	0.032
1168511	Soil	1.4	18.1	16.8	46	0.3	17.7	8.0	280	2.86	25.8	0.5	5.2	2.4	41	0.3	1.2	0.4	76	0.40	0.030
1168512	Soil	1.4	11.6	13.8	53	0.4	12.6	6.1	209	2.41	9.1	0.4	2.6	1.5	21	0.4	0.5	0.3	67	0.22	0.045
1168513	Soil	1.7	24.4	25.5	57	0.3	15.9	9.6	380	2.42	14.0	1.3	11.6	2.7	40	0.5	1.2	0.5	55	0.31	0.056
1168514	Soil	1.9	34.8	38.0	58	0.3	13.1	10.5	232	3.47	33.5	2.3	32.4	6.7	114	0.3	4.3	1.7	58	0.39	0.070
1168515	Soil	2.6	34.1	18.8	45	0.3	12.7	9.8	161	2.88	16.0	2.1	68.6	4.8	47	0.3	1.2	0.6	59	0.24	0.053
1168516	Soil	4.6	54.1	24.3	52	0.2	15.1	8.3	158	2.88	18.4	2.0	27.2	5.4	66	0.2	2.3	0.6	62	0.38	0.060
1171864	Soil	13.9	76.0	19.4	55	1.1	13.3	8.3	373	2.39	57.3	9.5	56.3	4.3	41	0.7	16.5	0.7	66	0.49	0.036
1171865	Soil	10.3	56.6	26.7	62	0.6	14.2	7.7	255	2.71	63.3	4.4	13.6	5.6	43	0.5	12.0	1.2	79	0.54	0.033
1171866	Soil	6.2	93.5	18.2	57	0.9	14.2	7.2	237	2.40	30.0	3.5	8.0	3.3	40	0.6	4.0	0.9	65	0.36	0.032
1171867	Soil	4.3	84.0	23.9	67	0.8	15.1	8.4	290	2.78	27.9	2.3	63.4	6.1	46	0.4	3.6	1.2	70	0.34	0.055
1171868	Soil	5.9	89.9	25.0	57	0.6	13.4	7.1	206	2.73	23.3	1.8	12.9	5.3	35	0.2	5.2	1.1	69	0.26	0.046
1171869	Soil	2.6	72.6	23.8	58	0.3	15.5	6.5	258	3.00	23.0	1.6	6.9	7.5	39	0.2	8.0	0.9	73	0.37	0.058
1171870	Soil	3.9	89.6	27.2	59	0.7	20.4	8.0	210	3.29	35.4	3.1	10.7	5.0	29	0.2	22.1	1.1	83	0.30	0.042
1171871	Soil	5.3	91.1	20.0	53	0.9	16.2	8.2	225	2.71	26.6	2.2	13.2	5.9	24	0.3	14.4	0.5	79	0.26	0.046
1171851	Soil	4.0	69.5	23.4	59	0.6	24.2	9.2	285	2.91	21.5	4.9	10.5	14.5	35	0.2	46.1	2.4	78	0.42	0.057
1171872	Soil	11.5	38.9	25.6	59	0.2	25.2	11.0	370	3.25	21.2	3.2	6.3	16.1	32	0.3	4.5	1.4	87	0.42	0.070
1171873	Soil	7.1	27.4	20.4	49	0.4	19.1	8.1	295	2.45	18.0	2.4	4.1	10.7	30	0.2	4.3	3.8	71	0.36	0.063
1171875	Soil	6.4	30.3	21.3	43	0.5	16.3	5.9	170	2.10	11.2	5.0	2.9	9.4	25	0.2	3.4	1.5	61	0.29	0.046
1171877	Soil	5.4	25.7	69.8	122	0.4	22.3	11.7	376	3.36	30.2	4.3	4.9	18.2	27	0.6	4.5	1.3	85	0.37	0.072
1171876	Soil	4.4	22.5	22.6	61	0.1	24.0	11.8	463	3.39	14.6	3.1	2.1	19.6	24	0.2	4.8	0.8	92	0.41	0.082
1171878	Soil	12.7	49.9	66.6	105	1.2	23.7	9.4	301	3.39	24.9	14.4	8.8	16.8	33	0.7	4.8	1.2	77	0.41	0.089
1171879	Soil	10.7	24.9	58.8	107	0.7	21.1	8.9	292	2.97	24.3	4.0	4.3	12.6	31	0.4	5.3	0.8	83	0.38	0.050
1171880	Soil	7.9	40.7	100.1	68	0.8	14.8	5.0	203	1.86	17.3	8.1	4.8	9.7	29	0.9	9.9	0.8	43	0.32	0.068
1171862	Soil	15.8	107.4	21.8	60	1.1	17.9	11.3	572	3.10	57.9	35.5	10.6	5.4	58	0.5	7.0	0.7	81	0.96	0.057
1171874	Soil	4.9	51.3	32.8	50	0.5	22.7	10.4	272	2.98	18.0	5.8	8.5	17.5	36	0.2	4.7	11.6	79	0.44	0.071

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	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	0.01	0.01	0.01	0.05	1	0.5	0.2	
1171858	Soil		12	32	0.55	146	0.126	2	2.06	0.021	0.06	0.5	0.04	3.5	0.2	<0.05	7	<0.5	<0.2
1171859	Soil		10	35	0.69	162	0.144	1	2.25	0.018	0.05	0.5	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
1171860	Soil		11	31	0.60	152	0.124	2	2.24	0.018	0.05	0.5	0.03	3.6	0.2	<0.05	7	<0.5	<0.2
1171861	Soil		12	27	0.53	111	0.130	2	1.90	0.018	0.08	0.9	0.06	3.7	0.2	<0.05	7	<0.5	<0.2
1168510	Soil		9	34	0.58	113	0.121	1	1.93	0.020	0.04	0.3	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
1168511	Soil		7	29	0.46	93	0.114	2	1.68	0.016	0.05	0.3	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
1168512	Soil		5	23	0.28	84	0.087	<1	1.26	0.015	0.05	0.1	0.02	1.8	0.1	<0.05	6	<0.5	<0.2
1168513	Soil		10	30	0.38	85	0.095	<1	1.62	0.018	0.05	4.3	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
1168514	Soil		16	23	0.50	120	0.106	1	2.16	0.029	0.08	0.3	0.02	3.0	0.3	0.07	6	<0.5	0.5
1168515	Soil		10	27	0.56	81	0.093	1	1.63	0.019	0.05	0.6	0.02	3.6	0.2	0.08	5	<0.5	<0.2
1168516	Soil		17	36	0.60	111	0.124	<1	1.87	0.028	0.08	0.3	0.02	3.4	0.2	0.10	5	<0.5	<0.2
1171864	Soil		14	27	0.53	105	0.118	<1	1.79	0.022	0.08	1.0	0.04	3.4	0.2	<0.05	6	0.7	<0.2
1171865	Soil		12	29	0.63	102	0.168	<1	2.16	0.018	0.11	0.7	0.02	3.8	0.2	<0.05	8	<0.5	<0.2
1171866	Soil		12	25	0.52	119	0.124	<1	1.82	0.020	0.07	0.5	0.04	3.3	0.3	<0.05	6	0.5	<0.2
1171867	Soil		11	28	0.67	106	0.142	<1	2.04	0.014	0.08	0.4	0.03	3.2	0.3	<0.05	7	0.6	<0.2
1171868	Soil		10	30	0.64	88	0.150	<1	1.72	0.013	0.06	0.4	0.02	2.9	0.3	<0.05	7	<0.5	<0.2
1171869	Soil		14	35	0.76	114	0.165	<1	1.85	0.013	0.08	0.3	0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1171870	Soil		12	37	0.68	113	0.119	<1	2.23	0.015	0.05	0.4	0.04	3.7	0.2	<0.05	7	<0.5	<0.2
1171871	Soil		11	32	0.53	108	0.127	1	1.68	0.014	0.07	0.3	0.03	2.7	0.2	<0.05	7	<0.5	<0.2
1171851	Soil		17	42	0.63	130	0.105	1	2.01	0.015	0.05	0.8	0.03	3.8	0.1	<0.05	7	<0.5	<0.2
1171872	Soil		17	48	0.65	134	0.127	2	2.19	0.014	0.07	0.8	0.02	3.1	0.2	<0.05	8	<0.5	<0.2
1171873	Soil		15	43	0.53	93	0.111	2	1.49	0.013	0.06	0.9	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
1171875	Soil		13	33	0.40	97	0.104	1	1.32	0.016	0.05	0.4	0.04	2.6	0.2	<0.05	7	0.6	<0.2
1171877	Soil		18	46	0.68	117	0.119	1	2.05	0.016	0.06	1.1	0.03	3.5	0.2	<0.05	7	<0.5	<0.2
1171876	Soil		19	52	0.68	106	0.152	2	1.59	0.016	0.11	0.8	0.01	2.6	0.2	<0.05	7	<0.5	<0.2
1171878	Soil		24	40	0.61	174	0.109	2	2.62	0.019	0.07	0.7	0.07	5.2	0.3	<0.05	9	0.6	<0.2
1171879	Soil		15	36	0.64	123	0.125	3	1.95	0.017	0.07	0.8	0.04	3.4	0.2	<0.05	8	<0.5	<0.2
1171880	Soil		24	28	0.32	97	0.063	3	1.12	0.015	0.06	0.8	0.06	2.7	0.2	0.07	5	<0.5	<0.2
1171862	Soil		23	32	0.67	152	0.124	2	2.52	0.023	0.09	0.4	0.05	5.7	0.3	<0.05	8	0.6	<0.2
1171874	Soil		26	53	0.59	99	0.132	2	1.92	0.018	0.07	1.5	0.03	3.3	0.2	<0.05	6	<0.5	<0.2



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 Report Date: January 04, 2012

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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	
1171863	Soil	13.0	76.7	21.4	64	0.6	13.5	11.0	480	2.90	54.7	20.1	9.3	6.7	54	0.4	8.5	0.7	85	0.94	0.039
1171881	Soil	7.9	33.0	25.0	64	0.5	19.9	16.7	1005	2.70	36.7	12.1	8.7	5.7	54	0.6	6.6	0.9	74	0.80	0.069
1219620	Soil	3.9	37.3	33.1	66	0.4	16.5	12.2	277	2.91	21.2	2.8	59.5	4.6	39	0.4	1.9	0.6	70	0.47	0.033
1219621	Soil	4.1	34.7	32.7	66	0.3	14.5	8.4	236	2.86	21.4	2.1	44.3	5.0	51	0.4	1.7	0.8	66	0.33	0.052
1219622	Soil	2.7	38.9	35.8	52	0.3	12.7	7.6	221	2.70	17.7	1.8	65.0	4.7	40	0.4	1.4	0.7	67	0.36	0.055
1219623	Soil	1.7	20.9	24.9	49	0.3	13.5	7.5	174	2.50	13.8	1.0	22.1	3.4	26	0.3	0.9	0.9	65	0.27	0.022
1219627	Soil	1.1	18.1	13.6	46	0.2	13.8	10.4	351	2.86	16.6	1.2	8.7	4.4	35	0.2	0.7	0.8	80	0.47	0.037
1219629	Soil	1.1	21.8	14.8	50	0.2	19.5	11.4	397	3.05	14.8	1.5	6.3	4.1	44	0.3	1.3	0.5	79	0.62	0.067
1219624	Soil	1.9	18.1	14.5	60	0.2	19.4	12.5	325	3.25	17.9	0.9	26.3	3.3	23	0.5	0.7	1.2	88	0.31	0.035
1219625	Soil	1.0	16.0	14.5	47	0.1	19.5	10.8	257	3.09	21.4	0.7	7.0	3.7	23	0.2	0.6	0.7	82	0.29	0.024
1219626	Soil	2.4	26.3	25.3	60	0.4	12.1	14.1	489	2.78	19.0	2.6	53.4	3.9	42	0.5	1.2	1.0	72	0.39	0.072
1219628	Soil	1.0	21.3	15.6	50	0.1	15.9	12.6	414	3.05	13.8	1.1	5.1	4.7	38	0.2	1.0	0.9	81	0.53	0.061
1219619	Soil	1.5	23.6	16.7	59	0.3	21.2	10.1	350	2.73	10.1	0.8	7.6	3.5	30	0.4	0.8	0.3	73	0.35	0.028
1219611	Soil	0.7	19.4	15.3	22	0.3	5.7	2.2	53	0.98	9.9	0.9	7.9	0.7	16	0.2	0.8	0.1	20	0.18	0.039
1219608	Soil	2.8	30.6	8.2	25	0.1	9.1	3.1	75	1.27	3.9	1.5	10.3	1.8	17	0.1	0.5	0.1	31	0.19	0.046
1219609	Soil	1.3	22.8	7.4	20	0.1	7.4	2.7	55	1.01	4.0	1.4	2.9	0.7	18	0.1	0.5	0.1	20	0.21	0.046
1219613	Soil	1.9	21.6	13.8	36	0.3	11.5	4.5	92	1.60	8.5	0.9	4.6	1.2	24	0.2	0.6	0.3	41	0.28	0.041
1219612	Soil	2.1	29.5	28.1	49	0.3	12.6	5.7	119	1.94	20.9	1.2	7.6	2.5	27	0.2	2.6	0.3	52	0.36	0.071
1219616	Soil	3.5	36.1	18.0	43	0.1	21.0	11.8	236	3.04	13.6	1.4	14.1	4.9	29	0.2	0.7	0.3	78	0.28	0.040
1219614	Soil	4.4	44.9	29.2	59	0.1	18.0	12.0	414	3.34	16.7	1.3	12.4	4.3	31	0.2	1.1	0.3	92	0.32	0.076
1219615	Soil	3.3	36.6	18.8	44	0.2	20.1	10.9	232	3.03	13.6	1.5	10.2	5.2	31	0.1	0.6	0.4	79	0.30	0.044
1219618	Soil	2.8	19.1	25.3	61	0.5	15.8	6.9	259	2.29	15.0	0.5	8.9	1.8	26	0.8	0.8	0.2	63	0.27	0.046
1219610	Soil	1.5	26.2	10.2	24	0.2	9.2	3.4	62	1.18	6.0	1.5	13.7	1.0	20	0.2	0.7	0.2	20	0.24	0.059
1219617	Soil	2.4	27.1	23.8	54	0.3	20.5	10.8	318	3.06	20.8	1.3	5.3	5.1	31	0.3	1.0	0.3	78	0.34	0.035
1219633	Soil	1.2	20.9	20.9	65	0.2	19.4	12.9	445	3.37	31.7	1.0	3.2	4.1	44	0.4	1.4	0.7	93	0.61	0.036
1219632	Soil	1.6	23.0	14.9	48	0.2	20.9	11.7	454	2.90	21.5	1.6	2.5	3.5	39	0.2	0.7	0.4	78	0.60	0.029
1219635	Soil	0.7	37.8	9.0	58	0.1	27.8	14.7	500	3.33	11.3	1.5	5.8	3.5	43	0.1	1.0	0.4	93	0.67	0.041
1219630	Soil	0.9	27.3	15.4	46	0.1	20.3	10.4	298	2.75	14.3	1.9	5.5	4.5	43	0.1	0.7	0.5	70	0.64	0.042
1219631	Soil	1.2	22.7	14.6	42	0.1	20.4	10.4	365	2.65	16.2	1.5	5.1	3.4	39	0.1	0.6	0.5	70	0.60	0.036
1219637	Soil	0.5	34.5	20.6	119	0.3	22.3	14.0	506	3.74	23.7	1.3	14.8	9.7	45	1.7	1.6	0.2	100	0.55	0.065

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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	0.1	0.05	1	0.5	0.2
1171863	Soil	17	26	0.75	136	0.179	2	2.45	0.025	0.14	0.5	0.02	4.9	0.2	<0.05	8	<0.5	<0.2
1171881	Soil	18	35	0.62	177	0.119	3	1.78	0.026	0.07	0.8	0.06	4.3	0.3	0.05	6	<0.5	<0.2
1219620	Soil	14	31	0.50	119	0.103	1	2.09	0.017	0.03	0.3	0.02	3.8	0.3	<0.05	6	<0.5	<0.2
1219621	Soil	11	29	0.44	87	0.107	2	1.81	0.018	0.05	0.4	0.02	2.4	0.2	<0.05	6	<0.5	0.3
1219622	Soil	11	31	0.54	102	0.117	1	1.76	0.018	0.04	0.6	0.01	3.1	0.2	<0.05	5	<0.5	0.4
1219623	Soil	10	29	0.43	91	0.108	<1	1.81	0.016	0.03	0.2	0.02	2.7	0.2	<0.05	6	<0.5	0.2
1219627	Soil	13	28	0.68	153	0.170	<1	1.91	0.023	0.08	0.4	0.02	3.5	0.2	<0.05	6	<0.5	0.2
1219629	Soil	14	32	0.69	196	0.146	2	2.06	0.038	0.08	0.3	0.02	3.7	0.2	<0.05	6	<0.5	<0.2
1219624	Soil	8	32	0.67	116	0.150	1	2.21	0.016	0.10	0.3	0.02	3.0	0.2	<0.05	7	<0.5	<0.2
1219625	Soil	8	32	0.62	162	0.130	1	2.11	0.014	0.08	0.2	<0.01	2.6	0.1	<0.05	6	<0.5	<0.2
1219626	Soil	14	29	0.61	110	0.118	2	1.89	0.017	0.09	0.6	0.02	3.9	0.3	<0.05	6	0.5	0.4
1219628	Soil	13	30	0.71	165	0.178	<1	1.98	0.026	0.17	0.3	0.02	3.5	0.3	<0.05	7	<0.5	<0.2
1219619	Soil	9	37	0.52	144	0.098	2	2.00	0.015	0.03	0.3	0.01	3.3	0.2	<0.05	6	<0.5	<0.2
1219611	Soil	5	16	0.16	43	0.047	2	0.65	0.016	0.03	0.2	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1219608	Soil	6	20	0.25	48	0.054	1	0.82	0.014	0.03	0.7	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
1219609	Soil	7	20	0.17	48	0.051	1	0.72	0.013	0.03	0.6	0.05	1.5	<0.1	0.07	4	<0.5	<0.2
1219613	Soil	8	24	0.34	74	0.083	2	1.17	0.014	0.03	0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
1219612	Soil	12	30	0.49	77	0.099	2	1.38	0.015	0.05	0.5	0.03	3.0	0.1	0.05	6	<0.5	<0.2
1219616	Soil	10	39	0.75	190	0.150	1	2.28	0.016	0.08	0.2	0.01	3.6	0.2	<0.05	6	<0.5	<0.2
1219614	Soil	11	34	0.57	80	0.120	2	1.60	0.014	0.06	0.4	<0.01	3.0	0.2	<0.05	7	<0.5	<0.2
1219615	Soil	11	39	0.74	182	0.153	2	2.18	0.018	0.09	0.2	0.01	3.7	0.2	<0.05	6	<0.5	<0.2
1219618	Soil	7	24	0.35	116	0.081	1	1.45	0.015	0.05	0.1	0.02	2.1	0.1	<0.05	6	<0.5	<0.2
1219610	Soil	8	21	0.20	57	0.046	1	0.79	0.013	0.03	0.5	0.04	1.6	<0.1	0.05	4	<0.5	<0.2
1219617	Soil	11	37	0.69	161	0.134	1	2.21	0.017	0.04	0.2	<0.01	3.4	0.2	<0.05	6	<0.5	<0.2
1219633	Soil	10	32	0.86	204	0.174	1	2.35	0.028	0.17	0.4	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
1219632	Soil	12	35	0.67	167	0.146	2	2.04	0.032	0.06	0.2	0.02	3.8	0.1	<0.05	6	0.5	<0.2
1219635	Soil	13	40	0.86	207	0.157	1	2.08	0.046	0.10	0.2	0.02	5.7	0.1	<0.05	6	0.6	<0.2
1219630	Soil	14	31	0.66	166	0.136	1	1.94	0.036	0.05	0.2	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
1219631	Soil	11	33	0.63	166	0.121	1	1.92	0.036	0.04	0.4	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
1219637	Soil	15	29	1.07	300	0.156	1	2.12	0.027	0.36	0.1	0.03	7.6	0.3	<0.05	7	0.6	<0.2

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Project: WLF
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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
1219636	Soil			1.0	24.8	103.0	147	1.2	19.6	10.5	277	3.07	41.9	2.3	37.4	3.7	33	1.8	3.5	0.3	83	0.61	0.028
1219634	Soil			1.0	37.2	40.8	99	1.3	20.5	9.9	365	2.58	53.9	0.9	14.5	3.0	45	4.3	3.3	0.6	65	0.69	0.052
1219639	Soil			0.7	16.7	8.0	53	0.1	16.9	10.3	450	2.54	6.2	1.1	1.7	2.5	41	0.2	0.7	1.1	68	0.72	0.056
1219638	Soil			1.1	41.0	59.5	153	0.6	22.4	10.8	392	2.81	31.9	3.5	40.2	3.5	41	2.0	2.6	1.7	73	0.89	0.044
1161675	Soil			7.6	43.2	10.6	47	0.2	19.0	12.9	537	2.70	8.3	2.6	4.4	3.7	38	0.2	0.4	0.6	75	0.59	0.046
1161674	Soil			7.4	41.5	10.2	47	0.4	17.8	11.0	473	2.56	11.9	3.0	4.1	3.1	35	0.2	0.4	1.4	69	0.58	0.051
1161676	Soil			8.8	46.4	12.8	40	0.3	16.3	7.7	204	2.37	8.4	1.9	3.6	2.5	28	0.2	0.5	0.9	67	0.38	0.023
1161677	Soil			4.5	40.2	13.0	48	0.1	22.5	11.2	436	2.70	8.6	2.0	6.2	3.1	36	0.2	0.5	0.7	73	0.53	0.051
1161678	Soil			8.5	41.3	12.6	36	0.3	14.1	8.8	300	2.11	8.6	2.8	1.5	2.7	29	0.2	0.7	0.5	60	0.41	0.039
1161673	Soil			4.6	26.5	10.5	48	0.1	20.2	10.5	327	2.82	11.8	1.1	3.3	3.5	27	0.1	0.4	1.1	78	0.42	0.033
1161672	Soil			14.7	37.0	13.1	53	0.6	17.8	13.3	989	2.81	23.9	4.7	6.4	2.4	51	0.3	0.6	1.5	69	1.00	0.064
1161679	Soil			10.3	62.8	18.7	51	0.5	18.1	10.7	457	2.73	17.7	5.2	6.2	3.6	41	0.3	0.7	1.1	73	0.64	0.055
1161680	Soil			4.6	48.7	16.0	52	0.4	19.4	10.6	317	2.88	12.4	1.6	4.7	4.0	33	0.3	0.6	0.9	77	0.47	0.034
1161681	Soil			6.1	56.9	15.8	47	0.5	17.8	11.4	522	2.66	13.1	2.1	4.4	2.7	37	0.4	0.7	0.6	73	0.49	0.049
1161682	Soil			10.3	47.7	23.0	50	0.7	20.1	9.8	369	2.79	19.6	1.2	3.1	3.1	29	0.5	0.7	0.6	74	0.36	0.032
1161658	Soil			7.7	54.7	190.8	79	2.6	25.8	10.5	337	3.78	64.1	2.7	9.5	9.8	28	0.4	15.7	1.4	94	0.35	0.054
1161664	Soil			8.7	49.3	51.7	57	2.9	16.2	12.9	839	1.95	26.3	9.7	7.4	6.4	35	0.7	16.5	1.7	40	0.50	0.066
1161663	Soil			4.1	47.6	52.3	59	3.1	15.1	4.7	117	1.79	21.6	6.6	8.8	6.7	22	0.3	17.9	1.9	32	0.28	0.061
1161661	Soil			4.7	52.0	61.2	88	2.4	22.3	14.5	681	2.87	40.8	9.2	10.0	10.2	27	0.7	27.7	1.4	61	0.37	0.095
1161662	Soil			3.8	56.9	54.9	62	2.6	15.4	8.0	415	2.26	39.5	7.4	9.9	6.6	25	0.6	24.0	2.6	50	0.31	0.068
1161667	Soil			3.6	32.0	20.2	62	0.3	18.8	9.4	370	3.07	34.0	2.3	3.7	16.6	24	0.3	15.9	2.5	78	0.35	0.053
1161668	Soil			5.3	59.5	34.2	77	0.4	25.4	10.9	493	3.18	31.9	4.3	6.1	11.7	34	0.4	19.2	2.5	82	0.52	0.087
1161665	Soil			5.6	23.1	18.6	54	0.1	16.9	8.1	297	3.31	23.9	1.2	0.9	15.1	28	0.2	12.5	1.6	90	0.33	0.057
1161666	Soil			4.7	49.8	30.9	81	1.6	25.4	13.3	561	3.59	33.4	7.6	7.8	21.1	33	0.5	16.1	10.1	85	0.48	0.067
1161669	Soil			5.0	27.4	29.1	59	0.4	23.2	9.2	363	3.38	21.2	1.7	1.7	8.9	21	0.3	4.7	0.8	89	0.26	0.049
1161671	Soil			2.8	36.8	26.0	60	0.5	29.1	11.3	348	3.45	18.6	3.8	4.9	11.9	27	0.2	4.2	0.6	87	0.37	0.055
1161684	Soil			21.1	102.0	22.9	59	0.7	21.4	13.2	467	3.26	31.7	3.7	4.8	4.2	33	0.3	0.9	0.9	82	0.45	0.044
1161651	Soil			26.9	134.8	18.8	52	0.9	17.8	9.3	324	2.97	34.4	1.5	20.0	4.3	32	0.4	2.9	2.3	90	0.38	0.026
1161652	Soil			24.0	225.8	33.1	82	1.6	17.9	10.5	451	2.81	108.7	2.9	11.5	6.1	45	0.7	7.1	1.8	78	0.43	0.030
1161683	Soil			10.1	36.6	17.0	50	0.2	19.3	10.3	290	3.03	24.3	0.8	21.3	3.5	24	0.2	0.7	0.6	80	0.32	0.028

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Project: WLF
Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				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	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1219636	Soil			8	35	0.73	174	0.131	1	2.16	0.025	0.08	0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
1219634	Soil			13	32	0.66	164	0.118	2	1.82	0.026	0.09	0.3	0.04	3.9	0.1	<0.05	6	0.6	<0.2
1219639	Soil			11	31	0.65	193	0.102	2	1.69	0.025	0.05	0.2	0.03	3.7	0.1	<0.05	6	0.7	<0.2
1219638	Soil			13	31	0.69	264	0.114	2	1.75	0.035	0.11	0.2	0.05	4.6	<0.1	<0.05	5	1.0	<0.2
1161675	Soil			14	32	0.51	192	0.112	3	2.21	0.023	0.06	3.9	0.04	4.2	0.1	<0.05	6	0.7	<0.2
1161674	Soil			12	29	0.51	171	0.105	1	2.00	0.023	0.06	3.2	0.04	3.6	0.1	<0.05	6	<0.5	<0.2
1161676	Soil			8	27	0.41	111	0.103	<1	1.81	0.020	0.06	1.5	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
1161677	Soil			11	36	0.62	197	0.120	2	2.25	0.026	0.06	0.7	0.03	3.9	0.1	<0.05	6	0.6	<0.2
1161678	Soil			11	24	0.41	126	0.101	1	1.89	0.021	0.06	0.7	0.04	2.9	0.1	<0.05	6	0.6	<0.2
1161673	Soil			9	33	0.62	158	0.105	<1	2.16	0.018	0.06	1.3	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1161672	Soil			16	31	0.49	197	0.082	2	2.23	0.023	0.06	0.9	0.04	3.7	0.2	0.05	6	0.7	<0.2
1161679	Soil			15	31	0.50	199	0.115	<1	2.18	0.024	0.07	2.4	0.04	3.9	0.2	0.06	7	<0.5	<0.2
1161680	Soil			12	33	0.64	199	0.143	2	2.61	0.020	0.07	2.3	0.02	3.7	0.2	<0.05	8	<0.5	<0.2
1161681	Soil			14	30	0.52	187	0.112	2	2.15	0.019	0.06	0.6	0.04	3.3	0.2	<0.05	7	0.7	<0.2
1161682	Soil			11	31	0.49	164	0.116	<1	2.26	0.019	0.05	0.3	0.03	2.9	0.2	<0.05	7	<0.5	<0.2
1161658	Soil			14	47	0.73	107	0.112	2	2.38	0.014	0.07	0.5	0.05	3.4	0.2	<0.05	8	<0.5	<0.2
1161664	Soil			26	28	0.36	120	0.043	2	1.57	0.016	0.05	0.5	0.11	3.1	0.3	0.07	5	0.7	<0.2
1161663	Soil			18	30	0.37	93	0.051	2	1.64	0.017	0.06	1.5	0.11	2.9	0.2	<0.05	6	<0.5	<0.2
1161661	Soil			26	43	0.60	121	0.076	3	2.17	0.017	0.08	0.7	0.12	4.0	0.2	<0.05	8	0.7	<0.2
1161662	Soil			19	30	0.41	105	0.055	2	1.62	0.016	0.05	0.5	0.11	3.0	0.3	<0.05	7	<0.5	<0.2
1161667	Soil			16	38	0.60	77	0.103	2	1.62	0.013	0.08	1.2	0.02	2.8	0.2	<0.05	7	0.7	<0.2
1161668	Soil			20	49	0.82	127	0.112	1	1.76	0.020	0.16	2.9	0.03	4.1	0.4	<0.05	8	0.6	<0.2
1161665	Soil			14	35	0.54	78	0.142	2	1.70	0.015	0.07	0.9	0.02	3.1	0.2	<0.05	8	0.6	<0.2
1161666	Soil			24	45	0.69	147	0.095	2	2.45	0.017	0.07	0.9	0.07	4.8	0.3	<0.05	8	<0.5	<0.2
1161669	Soil			10	41	0.52	83	0.130	1	2.06	0.014	0.08	0.4	0.05	2.8	0.1	<0.05	8	<0.5	<0.2
1161671	Soil			14	47	0.72	144	0.129	2	2.38	0.015	0.06	0.3	0.04	3.9	0.2	<0.05	7	0.6	<0.2
1161684	Soil			16	34	0.67	201	0.142	1	2.58	0.018	0.09	0.6	0.04	4.0	0.3	<0.05	8	<0.5	<0.2
1161651	Soil			9	36	0.70	124	0.161	1	1.97	0.016	0.08	0.8	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1161652	Soil			12	31	0.68	112	0.118	1	2.10	0.019	0.07	0.5	0.02	4.6	0.2	<0.05	7	<0.5	<0.2
1161683	Soil			8	30	0.57	144	0.142	1	2.26	0.016	0.07	0.6	0.03	2.8	0.2	<0.05	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	%	%	
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	
1161653	Soil	22.8	334.3	26.1	76	1.4	19.6	8.3	246	2.81	27.2	2.9	23.8	4.9	30	0.6	2.6	1.0	80	0.28	0.043
1161654	Soil	31.2	255.5	30.6	69	1.9	20.3	12.6	470	3.19	69.9	2.5	24.4	6.5	42	0.6	10.5	5.0	85	0.36	0.049
1161655	Soil	8.8	104.9	18.3	47	0.9	14.7	7.2	201	2.34	26.3	3.4	3.8	5.2	28	0.3	2.6	0.8	73	0.28	0.022
1161656	Soil	4.4	101.6	65.0	68	1.4	25.8	14.8	353	3.39	108.0	4.8	7.4	15.9	37	0.3	10.0	5.4	82	0.34	0.065
1161657	Soil	3.5	66.7	39.5	60	1.3	23.6	11.5	281	3.25	57.7	3.8	7.0	11.9	29	0.3	5.9	3.3	82	0.32	0.054
1161659	Soil	8.1	58.6	192.9	77	2.8	24.3	9.6	302	3.70	64.5	2.6	11.6	9.3	27	0.4	16.3	1.5	93	0.34	0.058
1161660	Soil	6.1	64.5	39.8	72	1.4	21.6	7.3	250	2.43	33.2	6.3	4.3	7.3	34	0.9	6.7	0.9	60	0.36	0.037
1170072	Soil	2.8	28.6	34.4	68	1.5	13.0	9.2	293	2.82	112.7	2.4	12.8	5.4	63	0.4	8.9	1.1	66	0.37	0.069
1170073	Soil	6.9	30.2	32.3	78	1.2	17.9	13.0	418	3.03	122.3	4.0	19.0	4.4	43	0.7	6.1	0.8	72	0.38	0.051
1170080	Soil	0.6	22.5	10.0	45	<0.1	18.2	10.3	377	2.65	10.0	0.7	2.7	3.7	37	0.1	1.3	0.4	73	0.48	0.035
1170078	Soil	2.8	28.2	13.4	40	0.5	16.9	8.6	231	2.57	8.4	1.1	3.3	2.1	34	0.3	1.3	0.4	74	0.56	0.052
1170076	Soil	3.9	33.2	25.5	56	0.5	14.6	10.4	340	2.89	64.0	2.5	6.3	5.5	40	0.4	3.9	0.5	81	0.59	0.050
1170077	Soil	3.4	21.6	18.0	53	0.3	14.4	11.0	372	2.94	21.1	0.9	1.9	4.2	37	0.2	2.4	0.5	85	0.43	0.017
1170079	Soil	0.8	27.1	11.4	54	<0.1	22.5	11.6	357	3.07	8.1	0.8	2.5	4.5	35	0.1	1.1	0.3	86	0.52	0.045
1170081	Soil	0.8	16.6	9.8	46	<0.1	18.0	9.9	284	2.73	13.1	0.5	2.0	3.0	29	0.1	1.6	0.3	71	0.43	0.038
1170075	Soil	3.9	30.4	26.7	56	0.5	13.9	10.1	312	2.80	66.9	2.4	28.7	5.5	40	0.4	3.9	0.5	80	0.56	0.049
1170074	Soil	3.7	17.7	23.0	51	0.5	13.8	9.2	246	2.81	87.0	1.0	4.0	3.7	33	0.4	4.0	0.5	77	0.45	0.029
1170092	Soil	1.1	24.0	19.7	62	0.1	21.2	14.2	527	3.69	13.1	1.1	6.6	7.5	42	0.2	2.0	0.5	98	0.60	0.028
1170091	Soil	1.0	24.9	18.6	61	0.2	20.3	14.2	511	3.77	12.5	1.3	2.6	7.5	40	0.3	1.7	0.4	100	0.55	0.024
1170093	Soil	1.3	17.0	15.4	48	0.2	14.2	10.4	347	3.34	12.5	0.5	2.0	4.8	58	0.3	2.2	0.6	85	0.66	0.022
1170094	Soil	1.0	20.4	15.6	52	0.2	19.8	12.0	483	3.14	15.1	0.6	4.9	4.0	37	0.2	1.2	0.5	84	0.60	0.032
1170095	Soil	1.8	23.1	18.2	53	0.3	18.3	10.3	391	2.92	32.9	0.9	4.6	3.9	32	0.3	1.5	0.5	79	0.45	0.034
1170096	Soil	3.1	30.7	19.2	53	0.6	17.4	9.4	370	2.74	44.4	1.8	10.0	4.9	41	0.6	2.4	0.5	73	0.65	0.049
1170097	Soil	3.4	45.3	21.3	53	0.8	20.6	12.6	564	2.93	62.8	2.9	11.0	4.5	42	1.3	2.5	0.6	72	0.82	0.048
1170098	Soil	2.9	24.2	19.9	46	0.3	17.5	10.1	303	2.91	34.9	0.8	5.2	3.6	33	0.2	2.8	0.4	78	0.44	0.049
1170099	Soil	1.7	28.6	15.4	45	0.3	19.1	9.4	265	2.83	26.8	0.7	8.9	3.3	31	0.2	1.3	0.4	74	0.33	0.026
1170083	Soil	2.3	31.3	16.0	50	0.6	17.0	10.4	424	2.75	17.9	2.6	3.0	3.4	55	0.2	2.8	0.5	70	0.96	0.060
1170082	Soil	1.2	28.1	26.6	73	<0.1	21.0	14.4	584	3.98	51.5	0.7	5.9	6.0	49	0.2	2.1	0.6	109	0.72	0.054
1170085	Soil	0.7	15.0	13.7	49	0.1	14.9	10.1	275	2.85	26.3	0.7	5.8	5.2	26	0.1	1.8	0.4	84	0.42	0.048
1170087	Soil	1.0	20.5	12.5	47	0.5	14.5	9.2	269	2.59	22.9	1.2	4.7	3.4	30	0.2	1.6	0.6	74	0.44	0.033

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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	
1161653	Soil	11	33	0.65	120	0.116	2	2.11	0.014	0.06	0.4	0.05	4.0	0.2	<0.05	7	<0.5	<0.2
1161654	Soil	14	35	0.66	112	0.123	2	2.09	0.016	0.09	0.8	0.03	3.4	0.3	<0.05	8	<0.5	<0.2
1161655	Soil	14	32	0.52	109	0.126	2	1.54	0.017	0.05	0.2	0.02	3.3	0.2	<0.05	8	<0.5	<0.2
1161656	Soil	19	49	0.65	123	0.116	2	2.26	0.015	0.07	1.7	0.04	3.7	0.2	<0.05	8	<0.5	<0.2
1161657	Soil	15	42	0.66	118	0.113	2	2.31	0.015	0.05	0.7	0.04	3.8	0.2	<0.05	8	<0.5	<0.2
1161659	Soil	14	45	0.70	106	0.109	2	2.28	0.012	0.06	0.5	0.05	3.6	0.2	<0.05	9	0.6	<0.2
1161660	Soil	17	36	0.41	169	0.076	1	2.09	0.018	0.06	0.4	0.04	3.7	0.2	<0.05	8	<0.5	<0.2
1170072	Soil	14	29	0.62	99	0.115	2	2.32	0.018	0.10	0.7	0.04	3.1	0.3	0.06	7	<0.5	0.4
1170073	Soil	14	32	0.58	143	0.107	<1	2.46	0.019	0.07	0.6	0.04	3.3	0.2	<0.05	8	<0.5	<0.2
1170080	Soil	14	33	0.64	163	0.127	<1	1.86	0.031	0.04	0.3	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
1170078	Soil	13	27	0.55	181	0.094	1	1.94	0.020	0.06	0.2	0.05	3.4	0.1	<0.05	6	<0.5	<0.2
1170076	Soil	13	28	0.69	159	0.174	<1	1.84	0.020	0.17	2.6	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
1170077	Soil	10	26	0.69	178	0.132	1	2.27	0.022	0.10	0.4	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1170079	Soil	14	38	0.73	196	0.156	2	2.01	0.028	0.10	0.1	0.03	5.5	0.1	<0.05	6	<0.5	<0.2
1170081	Soil	8	32	0.61	156	0.112	<1	2.03	0.018	0.06	0.4	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1170075	Soil	13	28	0.72	158	0.169	<1	1.89	0.020	0.17	1.9	0.02	3.3	0.2	<0.05	7	<0.5	<0.2
1170074	Soil	8	26	0.59	117	0.155	1	2.06	0.016	0.12	0.5	0.02	2.6	0.2	<0.05	8	<0.5	<0.2
1170092	Soil	17	39	1.06	231	0.190	<1	2.62	0.031	0.26	0.3	0.02	6.7	0.2	<0.05	8	<0.5	<0.2
1170091	Soil	20	38	0.96	217	0.174	<1	2.54	0.031	0.23	0.2	0.02	7.4	0.2	<0.05	8	<0.5	<0.2
1170093	Soil	11	29	0.74	280	0.104	<1	2.90	0.061	0.21	0.2	0.02	4.2	0.3	<0.05	8	<0.5	<0.2
1170094	Soil	9	32	0.74	193	0.152	1	2.07	0.021	0.13	0.4	0.01	3.5	0.2	<0.05	6	<0.5	<0.2
1170095	Soil	11	32	0.64	159	0.138	1	1.86	0.022	0.13	0.9	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
1170096	Soil	19	30	0.63	176	0.125	1	1.79	0.025	0.11	0.5	0.04	4.3	0.2	<0.05	6	0.5	<0.2
1170097	Soil	28	31	0.61	167	0.107	2	1.83	0.020	0.06	0.4	0.04	5.4	0.2	<0.05	6	0.6	<0.2
1170098	Soil	11	32	0.69	151	0.129	1	1.95	0.023	0.04	0.4	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
1170099	Soil	10	35	0.60	110	0.119	<1	1.90	0.020	0.04	0.4	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
1170083	Soil	19	29	0.64	182	0.098	1	2.19	0.025	0.07	0.3	0.08	4.5	0.2	<0.05	6	<0.5	<0.2
1170082	Soil	13	34	1.14	271	0.245	<1	3.07	0.053	0.31	0.4	0.01	4.9	0.3	<0.05	9	<0.5	<0.2
1170085	Soil	10	27	0.59	114	0.132	<1	2.08	0.019	0.07	0.2	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
1170087	Soil	12	28	0.58	146	0.126	<1	1.89	0.022	0.05	0.1	0.04	3.5	0.2	<0.05	7	<0.5	<0.2



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Project: WLF
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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	2	0.01	0.001	
1170084	Soil		0.9	19.1	11.8	50	<0.1	19.6	10.2	278	3.23	20.8	0.5	6.5	3.6	20	0.1	1.0	0.3	90	0.30	0.038
1170086	Soil		0.9	21.0	14.8	57	0.3	16.1	12.6	515	3.16	35.0	1.1	9.5	4.1	36	0.3	2.1	0.7	82	0.64	0.061
1170088	Soil		1.3	28.2	11.7	48	0.7	15.4	10.7	561	2.67	17.4	2.9	5.2	3.8	41	0.2	1.7	0.5	71	0.66	0.075
1170089	Soil		0.8	33.2	6.2	52	<0.1	25.4	10.8	338	2.57	12.7	0.4	2.6	3.2	49	0.2	0.7	0.2	61	1.27	0.091
1170090	Soil		1.2	82.6	13.2	33	0.7	12.9	7.0	287	1.83	10.2	3.3	5.4	3.0	47	0.4	1.5	0.2	53	1.01	0.045
1174585	Soil		2.5	16.0	15.6	36	<0.1	10.4	3.8	110	1.46	6.0	0.9	2.5	1.6	29	<0.1	0.6	0.3	42	0.26	0.037
1174583	Soil		0.8	25.0	37.6	27	0.3	11.3	3.0	82	1.49	6.9	2.0	1.4	1.4	21	0.2	0.6	0.2	21	0.26	0.060
1174582	Soil		1.5	29.9	54.8	30	0.3	12.2	3.5	88	1.37	6.7	2.4	4.4	1.8	26	0.2	0.9	0.2	24	0.29	0.054
1174584	Soil		1.1	16.4	20.6	27	0.2	9.7	2.7	71	1.12	3.8	1.0	2.1	0.7	20	0.2	0.4	0.2	26	0.21	0.046
1174588	Soil		0.7	6.4	6.5	15	0.1	3.8	1.5	39	0.74	1.8	0.2	1.2	0.3	10	0.2	0.2	0.2	32	0.06	0.012
1174587	Soil		2.0	35.8	39.4	79	0.5	27.2	10.3	411	2.47	11.5	2.0	12.4	2.9	39	0.6	0.6	0.4	70	0.47	0.056
1174581	Soil		8.1	105.7	33.9	70	0.8	31.2	12.5	597	3.25	11.9	24.8	6.6	36.1	39	0.5	3.2	2.8	82	0.83	0.079
1174586	Soil		0.7	16.1	19.7	43	0.2	13.5	4.5	96	1.39	5.4	1.0	4.6	0.9	21	0.3	0.3	0.2	36	0.27	0.049
1174589	Soil		1.3	13.6	41.6	98	0.4	12.5	4.5	182	2.15	55.5	0.4	2.8	2.5	17	0.5	1.3	0.7	64	0.18	0.030
1174590	Soil		1.0	27.6	16.4	58	0.5	26.6	12.1	351	3.13	12.9	1.0	3.8	4.8	29	0.6	0.6	0.2	77	0.24	0.019
1174591	Soil		1.2	40.6	24.7	52	0.4	20.9	11.3	263	2.82	13.6	0.9	9.6	3.1	27	0.2	0.5	0.3	67	0.29	0.026
1174592	Soil		2.9	61.0	41.0	68	0.7	21.0	8.7	273	2.96	18.1	0.7	9.2	3.3	31	0.6	0.7	0.6	71	0.30	0.044
1174593	Soil		1.9	22.4	18.8	57	0.4	20.2	10.3	373	2.87	12.4	0.5	14.6	2.4	31	0.6	0.5	0.3	75	0.28	0.030
1219517	Soil		0.7	14.5	8.7	51	0.1	15.1	9.0	294	2.50	16.2	1.0	11.3	3.1	28	0.1	0.5	0.9	72	0.47	0.052
1219513	Soil		0.6	32.7	10.8	56	0.2	23.6	13.3	404	3.84	14.6	1.8	5.0	5.7	25	0.1	1.1	0.4	111	0.39	0.041
1219514	Soil		1.0	26.6	10.0	60	0.2	22.3	15.1	611	4.21	20.4	3.2	1.3	6.3	36	0.2	1.4	0.3	114	0.74	0.049
1219515	Soil		1.5	35.0	9.4	55	0.2	27.6	12.6	527	3.53	16.6	3.6	12.6	4.8	35	0.1	1.3	0.9	88	0.68	0.039
1219516	Soil		0.8	15.3	9.7	43	0.2	11.3	6.8	231	2.16	13.2	1.2	3.2	2.1	29	0.1	0.6	1.2	63	0.53	0.052
1219512	Soil		0.5	30.2	9.9	47	<0.1	24.6	10.3	335	2.96	12.5	0.6	4.5	3.7	30	0.1	0.7	0.2	78	0.49	0.050
1219511	Soil		0.9	23.7	54.7	97	1.7	17.5	9.9	385	2.73	87.0	0.8	19.9	3.5	38	1.0	4.3	0.7	71	0.58	0.048
1219502	Soil		2.9	35.8	27.1	50	0.8	17.2	8.4	221	2.45	12.9	2.3	60.7	2.5	34	1.0	0.7	0.7	60	0.30	0.053
1174594	Soil		3.9	26.1	41.9	55	0.3	9.2	5.9	202	2.17	22.4	2.4	357.8	6.0	52	0.4	1.4	0.8	51	0.37	0.068
1219501	Soil		4.7	13.4	30.4	47	0.5	9.3	6.4	191	2.19	16.4	1.3	45.5	4.0	42	0.4	1.1	0.7	62	0.30	0.032
1219504	Soil		0.8	20.3	16.0	51	0.2	13.5	9.9	280	2.96	19.4	1.2	8.7	5.1	36	0.2	0.8	1.1	83	0.42	0.053
1219503	Soil		1.4	18.6	20.6	54	0.2	12.7	7.9	241	2.65	18.2	1.4	13.3	4.3	37	0.3	1.0	1.0	71	0.33	0.048

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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	0.2
1170084	Soil	8	31	0.57	117	0.144	2	2.07	0.018	0.06	0.2	0.03	3.2	0.1	<0.05	7	<0.5	<0.2
1170086	Soil	12	30	0.71	176	0.138	<1	2.00	0.021	0.10	0.2	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
1170088	Soil	21	30	0.55	219	0.089	1	1.98	0.022	0.06	0.2	0.07	6.0	0.1	<0.05	6	<0.5	<0.2
1170089	Soil	11	31	0.78	137	0.101	3	1.35	0.049	0.10	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
1170090	Soil	43	21	0.44	156	0.096	1	1.36	0.024	0.10	1.8	0.06	3.7	0.1	0.07	5	<0.5	<0.2
1174585	Soil	6	24	0.31	49	0.062	<1	0.88	0.013	0.03	0.2	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1174583	Soil	8	23	0.20	61	0.039	1	0.82	0.010	0.02	0.2	0.07	1.7	<0.1	<0.05	4	0.8	<0.2
1174582	Soil	10	22	0.25	65	0.046	2	0.93	0.012	0.02	0.2	0.05	1.9	0.1	<0.05	4	0.7	<0.2
1174584	Soil	5	15	0.20	55	0.042	2	0.75	0.010	0.02	0.2	0.06	1.4	<0.1	<0.05	4	0.8	<0.2
1174588	Soil	2	7	0.04	31	0.038	1	0.27	0.010	0.02	0.1	0.01	0.4	<0.1	<0.05	3	0.5	<0.2
1174587	Soil	13	32	0.47	165	0.084	3	2.01	0.018	0.04	0.5	0.05	4.6	0.1	<0.05	6	0.9	<0.2
1174581	Soil	45	46	0.86	106	0.106	2	1.67	0.018	0.17	1.7	0.04	6.0	0.4	<0.05	7	1.5	<0.2
1174586	Soil	7	23	0.31	79	0.065	1	1.16	0.011	0.03	0.2	0.03	2.1	<0.1	<0.05	5	0.9	<0.2
1174589	Soil	5	20	0.29	79	0.058	1	1.38	0.008	0.02	0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
1174590	Soil	14	42	0.60	171	0.088	2	2.18	0.014	0.03	0.1	0.03	5.4	0.1	<0.05	6	0.8	<0.2
1174591	Soil	10	32	0.51	115	0.087	<1	1.63	0.014	0.02	0.1	0.02	3.2	0.1	<0.05	5	0.7	<0.2
1174592	Soil	8	30	0.44	129	0.078	<1	1.85	0.010	0.04	0.2	0.01	2.5	0.1	<0.05	6	0.7	<0.2
1174593	Soil	7	32	0.46	148	0.080	<1	1.84	0.011	0.03	0.2	0.01	2.5	0.1	<0.05	6	0.8	<0.2
1219517	Soil	10	26	0.63	169	0.113	1	1.53	0.018	0.05	0.2	0.03	3.2	0.1	<0.05	5	0.8	<0.2
1219513	Soil	20	40	0.93	262	0.166	1	2.24	0.018	0.26	0.2	0.03	8.1	0.2	<0.05	7	0.5	<0.2
1219514	Soil	17	35	0.99	386	0.170	2	2.18	0.023	0.46	0.7	0.02	9.5	0.4	<0.05	7	0.7	<0.2
1219515	Soil	16	37	0.86	286	0.127	1	1.99	0.029	0.17	0.1	0.02	6.7	0.3	<0.05	6	0.8	<0.2
1219516	Soil	10	22	0.52	184	0.078	2	1.40	0.019	0.04	0.1	0.04	3.0	0.2	<0.05	5	0.7	<0.2
1219512	Soil	14	39	0.67	190	0.116	<1	1.85	0.021	0.04	0.1	0.02	5.9	<0.1	<0.05	5	<0.5	<0.2
1219511	Soil	11	30	0.70	166	0.114	<1	1.89	0.023	0.07	0.3	0.04	4.1	0.2	<0.05	6	0.7	<0.2
1219502	Soil	11	27	0.42	118	0.076	1	1.73	0.013	0.05	0.3	0.03	3.1	0.2	<0.05	6	0.6	<0.2
1174594	Soil	15	23	0.43	86	0.083	1	1.16	0.014	0.04	0.5	<0.01	2.6	0.2	<0.05	4	0.6	<0.2
1219501	Soil	9	24	0.46	86	0.094	1	1.37	0.014	0.04	0.5	<0.01	2.7	0.2	<0.05	6	<0.5	0.2
1219504	Soil	12	27	0.73	172	0.171	<1	1.80	0.018	0.13	0.4	0.01	3.4	0.3	<0.05	6	0.8	0.2
1219503	Soil	10	28	0.63	115	0.134	1	1.73	0.014	0.06	0.4	0.02	3.5	0.2	<0.05	6	0.8	0.4

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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
1219505	Soil	0.9	18.4	14.8	45	0.1	14.4	8.8	267	2.71	12.2	1.0	11.2	4.4	34	0.2	0.8	0.9	71	0.41	0.043
1219506	Soil	0.8	18.9	15.9	44	0.1	16.8	9.8	299	2.77	16.4	0.9	9.0	4.5	36	0.2	1.0	0.5	74	0.47	0.044
1219507	Soil	1.3	19.7	17.2	40	0.3	15.6	9.8	485	2.45	20.2	0.7	6.6	3.0	33	0.5	0.6	0.5	68	0.40	0.039
1219508	Soil	1.0	17.8	17.2	40	0.2	14.5	9.6	272	2.69	45.0	0.8	2.9	3.4	30	0.2	0.7	0.5	69	0.37	0.031
1219509	Soil	1.2	26.7	17.2	49	0.2	18.2	10.0	309	2.78	34.4	1.4	3.7	3.9	39	0.2	0.8	0.5	67	0.55	0.047
1219510	Soil	1.1	26.4	25.6	60	1.5	13.3	9.8	332	2.47	60.9	0.9	9.3	3.1	32	0.7	3.5	0.5	63	0.41	0.034
1219560	Soil	1.6	33.1	18.7	50	0.5	16.0	7.8	166	2.16	13.5	2.5	17.4	2.7	33	0.4	0.6	0.8	55	0.24	0.049
1219561	Soil	1.2	23.1	18.6	59	0.2	15.5	10.7	474	2.85	14.0	2.0	7.4	4.2	40	0.3	0.8	1.8	68	0.36	0.060
1219562	Soil	0.9	17.7	15.9	45	0.1	14.6	9.9	327	2.64	14.7	0.9	10.6	3.7	38	0.3	5.5	0.6	70	0.40	0.041
1219563	Soil	1.1	15.9	17.6	45	0.2	15.9	8.5	265	2.60	15.2	0.6	4.9	2.6	31	0.2	0.5	0.5	72	0.36	0.033
1219564	Soil	1.3	20.9	25.5	41	0.1	15.5	7.9	224	2.50	61.2	0.7	3.4	2.6	29	0.3	0.7	0.4	67	0.35	0.037
1219565	Soil	1.7	19.6	22.8	52	0.3	14.5	14.0	498	3.01	58.9	0.7	2.5	3.0	29	0.2	0.8	0.6	76	0.33	0.036
1219566	Soil	0.9	18.6	13.1	42	0.3	13.1	7.9	211	2.34	41.5	0.7	3.1	3.2	30	0.1	0.9	0.4	63	0.39	0.032
1219567	Soil	1.5	23.5	29.9	64	0.5	17.5	10.0	393	2.77	64.0	1.3	11.4	3.9	42	0.4	4.2	0.5	74	0.60	0.043
1219574	Soil	2.4	31.2	13.3	46	0.2	11.5	8.7	328	2.82	24.1	1.0	5.2	3.0	22	0.3	3.1	3.7	66	0.40	0.024
1219575	Soil	0.9	14.1	14.6	58	0.1	14.6	11.8	427	2.94	13.7	0.7	4.0	4.3	25	0.1	0.8	0.5	87	0.40	0.059
1219576	Soil	0.6	15.5	10.4	47	0.2	12.3	8.7	325	2.29	12.3	0.9	5.6	2.5	25	0.1	0.6	0.8	66	0.42	0.047
1219571	Soil	0.8	14.9	10.0	42	0.2	17.1	11.9	644	2.75	7.9	0.5	16.2	2.8	30	0.2	0.6	0.2	77	0.42	0.020
1219572	Soil	0.6	17.4	10.2	41	0.1	19.6	11.3	729	2.79	7.0	0.6	1.6	2.8	31	0.2	0.6	0.4	72	0.49	0.018
1219573	Soil	0.8	17.5	8.6	46	0.1	20.2	10.7	370	3.10	9.5	0.5	8.9	2.9	26	0.1	0.6	0.5	80	0.41	0.014
1219557	Soil	1.6	19.2	25.4	53	0.4	14.7	7.5	266	2.36	10.6	0.8	7.7	3.4	27	0.3	0.6	0.5	64	0.29	0.034
1219558	Soil	5.0	27.5	27.6	61	0.6	13.1	9.0	487	2.64	12.2	1.1	13.3	3.2	37	0.5	0.7	0.7	64	0.30	0.055
1219559	Soil	1.8	30.3	13.2	47	0.4	14.9	7.9	206	2.26	9.4	2.0	23.2	2.5	29	0.7	0.5	0.4	56	0.28	0.053
1219568	Soil	0.8	20.7	16.7	68	0.2	18.8	14.1	649	3.43	20.7	0.7	2.8	4.4	34	0.3	1.8	0.3	89	0.52	0.034
1219569	Soil	0.8	20.3	16.4	69	0.2	18.3	14.5	671	3.45	19.4	0.7	1.8	4.1	37	0.3	1.6	0.3	92	0.50	0.032
1219570	Soil	0.7	18.7	14.1	55	0.4	24.2	13.9	585	3.14	9.8	0.6	1.8	3.5	35	0.2	1.0	0.4	85	0.43	0.027
1201289	Soil	6.4	191.8	28.8	69	1.2	23.7	9.4	432	3.08	24.7	29.8	9.7	45.2	48	0.7	8.7	1.5	68	0.88	0.109
1201288	Soil	3.5	59.5	22.3	80	1.3	19.3	10.4	1113	2.57	14.2	3.2	3.2	9.9	34	1.8	1.5	1.1	61	0.49	0.050
1201457	Soil	1.1	19.9	36.2	49	0.3	14.6	5.4	164	1.78	4.6	2.3	6.3	4.3	31	0.2	0.5	0.3	42	0.33	0.067
1201290	Soil	1.2	15.0	24.9	41	0.2	12.4	5.0	149	1.56	4.6	1.4	6.5	2.5	26	0.1	0.4	0.3	35	0.28	0.059

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Project: WLF
 Report Date: January 04, 2012

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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	
1219505	Soil	12	27	0.65	148	0.141	1	1.70	0.019	0.07	0.3	<0.01	3.4	0.2	<0.05	5	0.8	<0.2
1219506	Soil	12	29	0.68	156	0.138	1	1.89	0.023	0.04	0.3	<0.01	3.3	0.2	<0.05	6	0.5	<0.2
1219507	Soil	9	25	0.49	130	0.111	<1	1.71	0.030	0.04	0.6	0.02	3.0	0.2	<0.05	6	0.6	<0.2
1219508	Soil	10	27	0.60	125	0.118	1	1.82	0.019	0.03	0.3	<0.01	3.2	0.2	<0.05	6	<0.5	<0.2
1219509	Soil	14	28	0.65	174	0.129	2	1.89	0.026	0.06	0.4	0.03	3.8	0.2	<0.05	6	1.0	<0.2
1219510	Soil	10	23	0.50	142	0.109	1	1.65	0.021	0.05	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1219560	Soil	11	26	0.57	100	0.097	<1	1.64	0.015	0.04	0.3	0.03	3.7	0.2	<0.05	6	1.3	0.4
1219561	Soil	15	29	0.60	133	0.134	1	1.64	0.017	0.06	0.4	0.01	3.4	0.2	<0.05	6	1.0	0.3
1219562	Soil	10	28	0.61	120	0.128	<1	1.58	0.018	0.05	0.2	0.01	3.2	0.2	<0.05	5	1.0	<0.2
1219563	Soil	7	27	0.60	149	0.112	1	1.88	0.018	0.04	0.3	<0.01	2.7	0.2	<0.05	6	0.7	<0.2
1219564	Soil	9	27	0.56	128	0.107	1	1.71	0.017	0.04	0.4	<0.01	2.8	0.2	<0.05	6	<0.5	<0.2
1219565	Soil	8	28	0.54	125	0.133	2	1.83	0.019	0.05	0.4	0.02	2.5	0.2	<0.05	7	<0.5	<0.2
1219566	Soil	10	23	0.50	141	0.118	3	1.55	0.024	0.05	0.3	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
1219567	Soil	13	30	0.67	190	0.134	2	2.04	0.029	0.06	0.4	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
1219574	Soil	14	18	0.49	156	0.051	2	1.53	0.014	0.12	0.3	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
1219575	Soil	9	26	0.66	136	0.124	4	1.73	0.017	0.10	0.3	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
1219576	Soil	8	23	0.55	135	0.090	2	1.36	0.015	0.05	0.2	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
1219571	Soil	8	32	0.54	198	0.104	11	1.75	0.020	0.09	0.2	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
1219572	Soil	10	31	0.58	203	0.102	<1	1.77	0.026	0.06	0.2	0.02	4.3	<0.1	<0.05	5	0.5	<0.2
1219573	Soil	9	36	0.58	171	0.106	1	1.90	0.019	0.07	<0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
1219557	Soil	8	29	0.46	114	0.072	1	1.75	0.011	0.04	0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
1219558	Soil	10	25	0.41	109	0.058	<1	1.61	0.016	0.03	0.2	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
1219559	Soil	10	25	0.37	94	0.081	2	1.55	0.016	0.04	0.2	0.04	3.2	<0.1	<0.05	5	0.6	<0.2
1219568	Soil	12	35	0.80	228	0.150	2	2.46	0.027	0.15	0.1	0.03	6.1	0.2	<0.05	8	<0.5	<0.2
1219569	Soil	12	34	0.79	233	0.155	<1	2.34	0.025	0.14	0.2	0.03	6.1	0.2	<0.05	7	<0.5	<0.2
1219570	Soil	10	41	0.66	206	0.127	2	2.22	0.018	0.06	0.2	0.02	5.0	0.1	<0.05	7	<0.5	<0.2
1201289	Soil	118	45	0.83	69	0.083	1	1.77	0.015	0.21	5.1	0.07	6.6	0.3	<0.05	9	2.4	<0.2
1201288	Soil	74	26	0.44	180	0.066	2	1.74	0.020	0.09	1.8	0.04	4.3	0.1	<0.05	6	1.2	<0.2
1201457	Soil	10	28	0.45	82	0.073	<1	1.40	0.015	0.04	0.4	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
1201290	Soil	8	24	0.37	60	0.061	2	1.11	0.013	0.04	0.3	0.05	2.2	<0.1	<0.05	5	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	0.1	2	0.01	0.001
1219551	Soil		0.6	14.3	14.8	22	0.3	6.3	2.3	69	0.99	2.9	1.2	3.9	0.7	28	0.3	0.3	0.2	18	0.27	0.072
1219552	Soil		2.4	37.2	44.5	80	1.0	22.1	11.1	562	2.46	17.8	3.0	25.2	2.3	47	0.8	0.6	1.1	66	0.54	0.064
1219553	Soil		0.8	10.0	9.6	21	<0.1	5.6	2.5	75	1.20	3.3	0.3	7.5	0.6	12	0.2	0.2	0.2	38	0.10	0.015
1219554	Soil		2.6	35.4	15.0	43	0.6	18.9	8.3	243	2.84	8.2	0.7	5.3	3.6	22	0.4	0.4	0.4	71	0.21	0.038
1219555	Soil		0.7	20.1	13.3	27	0.3	7.3	4.3	205	1.56	7.3	0.3	0.5	1.8	33	0.3	0.6	0.4	41	0.17	0.026
1219556	Soil		1.3	18.1	21.6	50	0.3	19.4	10.4	366	2.85	10.6	0.5	2.8	2.4	20	0.3	0.5	0.3	72	0.23	0.029
1201458	Soil		1.2	17.4	34.0	48	0.3	13.7	5.7	191	1.77	6.0	1.4	2.5	3.9	36	0.3	0.6	0.5	50	0.34	0.059
1201459	Soil		0.9	26.2	21.9	55	0.3	16.1	7.8	326	2.13	5.6	2.3	5.8	8.1	36	0.2	0.5	0.7	56	0.37	0.070
1176564	Soil		19.9	171.3	22.2	52	1.2	14.5	14.1	887	2.40	25.4	4.0	17.0	3.5	32	0.9	2.4	0.9	66	0.33	0.043
1176567	Soil		12.5	89.3	18.5	61	0.8	19.3	9.1	356	3.33	26.8	1.8	18.1	5.5	27	0.3	3.8	1.4	94	0.29	0.038
1176566	Soil		10.1	216.3	24.0	71	0.9	19.8	9.8	395	3.25	35.7	2.6	12.5	6.3	40	0.3	7.1	2.9	94	0.41	0.044
1176565	Soil		21.2	130.9	23.7	73	0.6	18.0	16.1	776	3.16	48.7	1.9	11.5	5.2	35	0.6	4.6	1.5	91	0.36	0.057
1176568	Soil		6.0	82.4	34.5	80	0.8	19.9	10.1	344	2.77	70.9	2.6	10.9	7.2	26	0.6	9.5	1.6	73	0.29	0.049
1176569	Soil		1.7	83.0	34.4	74	0.3	24.3	10.6	379	3.67	39.4	4.1	4.3	20.6	57	0.3	21.8	1.1	96	0.45	0.108
1176570	Soil		2.1	64.2	29.2	68	0.5	23.4	9.7	324	3.20	36.5	3.8	2.4	15.5	45	0.2	20.4	1.0	76	0.37	0.081
1176571	Soil		4.1	65.4	106.1	82	1.2	25.6	10.9	480	3.49	33.2	4.7	6.9	12.3	34	0.4	12.1	1.3	87	0.36	0.059
1176572	Soil		2.1	46.8	22.0	56	0.4	27.0	12.6	364	3.20	18.5	3.5	6.7	14.0	28	0.2	4.5	1.2	81	0.33	0.059
1176574	Soil		8.9	54.4	116.9	72	0.8	23.9	10.9	409	3.37	43.8	11.0	10.5	20.2	32	0.2	8.5	3.3	87	0.36	0.051
1176582	Soil		3.0	54.0	65.9	83	1.0	19.0	11.5	483	2.95	40.8	6.7	13.3	17.6	26	0.8	18.8	1.7	70	0.38	0.089
1176583	Soil		4.8	40.1	91.0	116	0.4	17.9	11.3	621	3.24	52.9	8.3	10.9	29.3	34	0.8	26.8	1.4	68	0.51	0.104
1176584	Soil		4.1	34.4	42.8	77	1.1	15.8	7.6	243	2.60	31.6	6.1	11.7	15.9	32	0.3	15.4	1.2	59	0.45	0.097
1176576	Soil		2.2	67.3	20.6	71	0.2	26.3	12.5	447	3.35	22.6	6.2	5.4	20.4	32	0.2	10.4	1.7	83	0.43	0.077
1176577	Soil		7.0	79.8	22.2	69	1.0	23.5	11.6	500	3.38	22.0	6.0	5.8	19.5	31	0.3	8.5	1.1	80	0.43	0.087
1176575	Soil		4.4	15.3	20.6	45	0.2	12.1	5.3	206	2.47	16.3	0.8	6.0	5.9	17	0.2	6.7	0.8	82	0.18	0.026
1176579	Soil		3.2	107.9	31.3	73	0.8	25.5	13.4	546	3.59	27.2	4.9	16.7	25.0	29	0.3	22.9	13.7	85	0.40	0.075
1176580	Soil		2.4	39.1	27.2	64	0.5	16.1	9.2	497	2.82	23.0	3.5	1.4	14.2	26	0.2	11.6	2.5	69	0.36	0.078
1176563	Soil		8.9	110.3	26.2	68	1.1	21.4	13.9	436	3.55	24.1	2.2	6.0	4.5	24	0.4	1.8	0.7	95	0.27	0.019
1176581	Soil		2.2	46.1	57.0	88	0.8	18.1	9.6	471	2.91	23.9	4.2	6.9	16.6	26	0.4	11.8	1.6	68	0.38	0.072
1176562	Soil		7.2	59.9	29.1	78	0.4	17.3	13.3	557	3.18	280.0	12.0	8.8	7.3	56	0.6	139.6	0.8	77	1.09	0.052
1176551	Soil		6.3	35.0	16.0	50	0.4	14.6	9.9	399	2.64	19.5	5.0	3.0	6.0	45	0.2	0.8	3.0	67	0.68	0.050

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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
1219551	Soil	6	21	0.11	55	0.037	<1	0.64	0.011	0.03	<0.1	0.05	1.8	<0.1	0.07	3	1.3	<0.2
1219552	Soil	12	31	0.42	142	0.053	1	2.29	0.016	0.03	0.3	0.05	5.0	0.1	0.06	7	0.8	<0.2
1219553	Soil	3	11	0.11	36	0.051	<1	0.65	0.013	0.02	<0.1	0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
1219554	Soil	7	32	0.44	124	0.086	<1	2.02	0.014	0.03	12.5	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
1219555	Soil	4	14	0.18	85	0.041	<1	1.29	0.013	0.02	0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1219556	Soil	6	32	0.46	136	0.084	<1	2.10	0.015	0.03	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
1201458	Soil	9	28	0.45	71	0.072	1	1.29	0.015	0.03	0.5	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
1201459	Soil	10	29	0.50	71	0.093	<1	1.48	0.017	0.05	1.8	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1176564	Soil	13	26	0.49	112	0.088	<1	1.73	0.016	0.06	0.3	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
1176567	Soil	9	37	0.70	94	0.137	2	2.22	0.014	0.07	0.3	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
1176566	Soil	12	36	0.74	120	0.143	<1	2.23	0.019	0.09	1.5	0.02	4.5	0.3	<0.05	7	<0.5	<0.2
1176565	Soil	11	32	0.68	106	0.146	<1	2.07	0.013	0.12	1.1	0.02	3.9	0.2	<0.05	8	<0.5	<0.2
1176568	Soil	12	34	0.63	124	0.100	1	2.06	0.013	0.06	0.3	0.04	3.7	0.2	<0.05	6	<0.5	<0.2
1176569	Soil	22	47	0.78	124	0.110	<1	2.18	0.016	0.10	0.5	0.02	4.6	0.2	<0.05	8	<0.5	<0.2
1176570	Soil	17	40	0.74	116	0.103	<1	2.14	0.015	0.07	0.4	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
1176571	Soil	16	41	0.73	139	0.105	<1	2.33	0.019	0.05	0.3	0.05	4.1	0.2	<0.05	7	0.7	<0.2
1176572	Soil	14	44	0.69	134	0.121	<1	2.43	0.015	0.06	0.5	0.03	4.1	0.1	<0.05	7	0.7	<0.2
1176574	Soil	28	40	0.58	153	0.114	<1	2.56	0.017	0.06	0.6	0.03	5.6	0.2	<0.05	8	0.6	<0.2
1176582	Soil	28	34	0.58	105	0.079	1	1.72	0.015	0.06	1.2	0.06	4.1	0.2	<0.05	7	<0.5	<0.2
1176583	Soil	34	30	0.73	117	0.094	2	1.78	0.016	0.14	0.9	0.03	4.9	0.4	<0.05	7	<0.5	<0.2
1176584	Soil	25	26	0.61	88	0.081	1	1.59	0.023	0.07	0.9	0.06	4.0	0.2	<0.05	6	<0.5	<0.2
1176576	Soil	20	48	0.76	123	0.128	1	2.07	0.017	0.10	1.2	0.03	4.6	0.4	<0.05	7	<0.5	<0.2
1176577	Soil	20	41	0.67	126	0.104	1	2.07	0.017	0.08	2.3	0.04	4.2	0.3	<0.05	7	<0.5	<0.2
1176575	Soil	7	30	0.29	71	0.124	<1	1.27	0.010	0.04	0.5	0.02	2.2	0.1	<0.05	8	<0.5	<0.2
1176579	Soil	19	45	0.71	135	0.125	2	2.30	0.015	0.09	2.0	0.05	4.6	0.3	<0.05	7	<0.5	<0.2
1176580	Soil	22	31	0.53	94	0.083	1	1.60	0.013	0.07	0.7	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
1176563	Soil	12	36	0.62	117	0.145	<1	2.35	0.016	0.09	0.3	0.04	4.0	0.2	<0.05	8	0.5	<0.2
1176581	Soil	20	32	0.57	101	0.097	1	1.72	0.016	0.06	0.7	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
1176562	Soil	18	35	0.85	107	0.145	1	2.53	0.030	0.16	1.1	0.04	5.4	0.4	<0.05	7	<0.5	<0.2
1176551	Soil	16	26	0.58	155	0.112	<1	2.25	0.025	0.11	2.7	0.04	4.5	0.3	<0.05	6	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
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
1176552	Soil	8.4	47.6	13.1	57	0.5	19.8	10.7	464	3.09	13.6	5.1	3.4	4.7	41	0.2	0.8	1.2	80	0.58	0.038
1176554	Soil	6.6	35.3	9.1	48	0.2	16.9	9.4	463	2.27	7.2	4.3	3.7	2.7	40	0.2	0.5	0.5	58	0.64	0.055
1176553	Soil	5.6	21.5	11.2	54	0.1	18.9	10.7	398	2.81	11.0	0.7	4.0	3.3	28	0.2	0.4	0.5	75	0.42	0.035
1176555	Soil	4.7	40.5	12.7	49	0.3	18.8	9.8	316	2.78	9.9	2.0	4.4	3.2	38	0.1	0.6	0.6	74	0.50	0.046
1176556	Soil	2.4	28.7	10.4	50	0.1	18.1	9.4	341	2.63	7.8	1.4	4.9	4.0	34	<0.1	0.5	0.5	72	0.50	0.037
1176557	Soil	4.7	29.5	12.8	50	0.1	16.9	9.3	332	2.72	9.5	1.4	2.7	3.7	31	<0.1	0.6	0.7	76	0.41	0.035
1176559	Soil	3.5	43.8	16.9	56	0.2	17.1	10.5	441	2.86	17.9	2.2	5.8	5.6	36	0.1	4.3	0.7	76	0.47	0.036
1176561	Soil	9.6	31.4	17.7	40	0.3	12.0	6.9	244	2.10	13.9	2.4	2.1	3.2	28	0.3	1.0	0.5	56	0.35	0.017
1176560	Soil	2.0	39.9	16.5	56	0.3	17.1	9.5	372	2.72	12.7	1.9	3.0	5.8	36	0.3	1.1	0.8	73	0.50	0.033
1176558	Soil	5.6	37.0	14.7	53	0.2	17.5	10.2	349	2.80	11.6	2.0	1.4	4.5	33	0.1	0.6	0.6	73	0.44	0.039
1219651	Soil	1.6	35.5	17.9	55	0.2	20.0	12.2	233	2.93	12.7	1.8	13.3	4.8	40	<0.1	0.9	0.4	68	0.41	0.055
1202145	Soil	1.2	20.7	21.5	55	0.2	17.9	9.8	310	2.82	49.8	0.7	4.4	4.0	36	0.2	3.4	0.6	75	0.44	0.032
1219652	Soil	3.2	45.1	20.7	56	0.2	17.1	12.0	215	2.81	13.9	1.9	71.0	4.1	44	0.3	1.1	0.5	63	0.31	0.052
1202141	Soil	1.0	16.4	14.8	55	0.3	16.4	8.0	270	2.58	9.3	0.7	2.5	3.0	34	0.3	1.0	0.3	64	0.31	0.036
1202143	Soil	1.4	18.9	14.1	45	0.2	17.6	8.2	247	2.65	45.3	0.6	6.8	2.9	30	0.2	0.6	1.7	72	0.34	0.028
1202131	Soil	2.0	42.7	25.8	68	0.3	19.9	12.7	227	2.40	13.2	1.7	11.6	2.5	60	0.3	0.9	0.7	55	0.44	0.060
1202142	Soil	1.0	17.1	15.9	48	0.1	18.2	8.9	291	2.59	13.9	0.7	95.7	3.3	31	0.2	0.6	0.3	70	0.32	0.025
1202144	Soil	0.9	20.7	9.9	42	0.1	19.5	8.6	260	2.56	19.2	0.7	3.4	3.1	33	0.1	0.6	0.6	68	0.42	0.032
1219587	Soil	0.9	23.8	8.8	45	0.2	22.5	10.4	280	2.83	10.3	0.6	5.1	2.7	31	<0.1	0.9	0.2	78	0.42	0.049
1202147	Soil	0.9	19.0	12.8	60	0.3	19.7	11.5	436	3.23	13.1	0.6	<0.5	3.6	38	0.3	0.9	0.4	76	0.47	0.021



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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	0.1	0.01	0.1	0.05	1	0.5	0.2	
1176552	Soil	14	32	0.61	166	0.114	<1	2.33	0.021	0.08	1.2	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
1176554	Soil	11	27	0.55	166	0.088	<1	1.74	0.022	0.05	5.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
1176553	Soil	8	30	0.63	122	0.132	1	2.02	0.020	0.10	2.6	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1176555	Soil	12	33	0.62	186	0.119	2	2.21	0.023	0.05	0.9	0.03	4.2	0.1	<0.05	7	<0.5	<0.2
1176556	Soil	11	32	0.67	161	0.144	<1	1.89	0.026	0.06	1.3	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
1176557	Soil	10	30	0.65	146	0.145	<1	2.02	0.025	0.06	1.6	0.01	3.7	0.1	<0.05	7	<0.5	<0.2
1176559	Soil	15	31	0.65	167	0.133	<1	2.14	0.021	0.05	3.1	0.03	4.5	0.2	<0.05	7	<0.5	<0.2
1176561	Soil	10	22	0.41	111	0.120	<1	1.80	0.022	0.05	0.2	0.02	3.0	0.2	<0.05	7	<0.5	<0.2
1176560	Soil	15	30	0.66	173	0.151	1	2.14	0.030	0.06	3.5	0.02	4.5	0.2	<0.05	6	<0.5	<0.2
1176558	Soil	12	31	0.67	171	0.143	<1	2.10	0.022	0.05	1.6	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
1219651	Soil	14	34	0.67	124	0.112	<1	2.00	0.019	0.05	0.2	0.02	5.3	0.2	<0.05	6	<0.5	<0.2
1202145	Soil	11	34	0.67	143	0.140	<1	2.10	0.023	0.04	0.5	0.01	4.0	0.2	<0.05	6	<0.5	<0.2
1219652	Soil	13	30	0.57	101	0.110	1	1.92	0.017	0.04	0.2	0.03	4.1	0.2	<0.05	6	<0.5	<0.2
1202141	Soil	10	32	0.55	112	0.126	<1	1.80	0.018	0.03	0.2	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
1202143	Soil	9	31	0.58	128	0.121	<1	1.91	0.018	0.05	0.4	0.01	3.0	0.2	<0.05	7	<0.5	<0.2
1202131	Soil	11	28	0.47	117	0.066	<1	1.95	0.019	0.03	0.1	0.03	3.5	0.2	<0.05	5	0.7	<0.2
1202142	Soil	10	33	0.59	117	0.123	<1	1.75	0.020	0.04	0.1	<0.01	3.2	0.1	<0.05	5	<0.5	<0.2
1202144	Soil	11	33	0.59	139	0.113	<1	1.68	0.025	0.04	0.2	0.02	4.0	<0.1	<0.05	5	0.7	<0.2
1219587	Soil	11	33	0.69	168	0.122	<1	2.15	0.022	0.12	0.3	0.01	4.4	0.3	<0.05	6	<0.5	<0.2
1202147	Soil	9	32	0.73	171	0.118	<1	2.16	0.020	0.13	0.2	0.02	4.3	0.2	<0.05	7	<0.5	<0.2



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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	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																					
1168809	Soil	2.0	37.9	21.2	46	0.5	8.3	9.1	359	2.90	20.6	4.3	5.0	9.3	58	0.2	1.8	0.6	73	1.08	0.056
REP 1168809	QC	2.0	37.6	21.8	50	0.6	9.4	9.1	369	2.90	21.2	4.3	3.6	9.9	58	0.3	1.8	0.6	74	1.16	0.059
1168810	Soil	2.5	42.6	18.5	48	0.7	11.3	9.1	391	2.61	19.7	5.7	6.9	8.3	54	0.3	1.5	0.6	69	1.07	0.053
REP 1168810	QC	2.5	41.1	17.8	45	0.7	9.9	8.5	379	2.58	19.9	5.5	5.9	8.4	54	0.3	1.5	0.6	65	1.08	0.052
1170052	Soil	3.7	28.3	45.5	56	0.9	13.0	8.8	276	2.44	76.0	2.0	6.7	3.0	31	0.5	8.2	0.6	66	0.35	0.037
REP 1170052	QC	3.8	28.9	46.2	55	0.9	13.1	8.9	286	2.46	79.4	2.1	4.7	3.1	31	0.6	8.8	0.7	67	0.35	0.041
1168508	Soil	2.1	19.1	16.4	42	0.4	15.4	8.6	294	2.48	42.8	1.1	8.3	3.2	29	0.4	3.2	0.4	69	0.39	0.046
REP 1168508	QC	2.2	18.9	16.1	41	0.4	15.6	8.6	303	2.47	40.5	1.1	4.5	3.3	28	0.3	2.9	0.3	67	0.38	0.048
1171855	Soil	2.1	26.6	15.5	57	0.2	24.0	11.5	358	3.37	14.4	1.0	3.2	4.6	34	0.1	1.2	0.7	89	0.49	0.030
REP 1171855	QC	1.9	25.8	14.9	54	0.2	23.1	10.4	338	3.19	13.7	1.0	3.7	4.4	32	0.1	1.2	0.6	91	0.49	0.027
1171861	Soil	2.9	24.0	24.8	50	0.7	13.3	8.9	370	2.83	101.4	1.2	106.0	3.9	28	0.2	7.8	1.4	77	0.40	0.042
REP 1171861	QC	3.0	23.9	25.5	50	0.7	12.9	8.8	374	2.79	103.9	1.2	6.4	4.2	29	0.3	8.1	1.5	77	0.38	0.041
1171862	Soil	15.8	107.4	21.8	60	1.1	17.9	11.3	572	3.10	57.9	35.5	10.6	5.4	58	0.5	7.0	0.7	81	0.96	0.057
REP 1171862	QC	15.2	97.5	20.0	58	1.0	16.4	10.4	523	2.90	54.3	32.6	10.6	4.8	55	0.4	6.6	0.7	78	0.94	0.054
1219629	Soil	1.1	21.8	14.8	50	0.2	19.5	11.4	397	3.05	14.8	1.5	6.3	4.1	44	0.3	1.3	0.5	79	0.62	0.067
REP 1219629	QC	1.0	20.7	13.9	49	0.2	18.5	10.9	388	2.90	14.4	1.4	4.2	4.0	41	0.2	1.2	0.5	77	0.60	0.064
1161677	Soil	4.5	40.2	13.0	48	0.1	22.5	11.2	436	2.70	8.6	2.0	6.2	3.1	36	0.2	0.5	0.7	73	0.53	0.051
REP 1161677	QC	4.1	37.4	12.5	46	0.1	21.0	11.0	410	2.66	8.1	1.8	4.2	3.0	34	0.2	0.5	0.9	72	0.51	0.050
1161669	Soil	5.0	27.4	29.1	59	0.4	23.2	9.2	363	3.38	21.2	1.7	1.7	8.9	21	0.3	4.7	0.8	89	0.26	0.049
REP 1161669	QC	4.6	27.2	28.4	60	0.3	22.2	8.9	360	3.25	20.2	1.7	3.7	9.0	20	0.3	4.7	0.8	86	0.26	0.046
1170079	Soil	0.8	27.1	11.4	54	<0.1	22.5	11.6	357	3.07	8.1	0.8	2.5	4.5	35	0.1	1.1	0.3	86	0.52	0.045
REP 1170079	QC	0.8	27.9	11.2	54	<0.1	23.8	12.1	373	3.18	8.1	1.0	4.2	4.4	36	0.1	1.1	0.3	89	0.51	0.048
1170085	Soil	0.7	15.0	13.7	49	0.1	14.9	10.1	275	2.85	26.3	0.7	5.8	5.2	26	0.1	1.8	0.4	84	0.42	0.048
REP 1170085	QC	0.8	14.6	14.3	49	0.1	14.4	10.0	271	2.98	27.6	0.7	5.8	5.5	28	0.1	1.9	0.9	83	0.45	0.049
1174591	Soil	1.2	40.6	24.7	52	0.4	20.9	11.3	263	2.82	13.6	0.9	9.6	3.1	27	0.2	0.5	0.3	67	0.29	0.026
REP 1174591	QC	1.2	40.9	25.1	55	0.4	21.1	11.2	259	2.82	13.6	0.9	7.9	3.1	28	0.2	0.5	0.3	69	0.29	0.025
1219508	Soil	1.0	17.8	17.2	40	0.2	14.5	9.6	272	2.69	45.0	0.8	2.9	3.4	30	0.2	0.7	0.5	69	0.37	0.031
REP 1219508	QC	0.9	17.9	16.9	41	0.2	14.4	9.1	264	2.57	44.6	0.8	13.5	3.4	30	0.2	0.6	0.5	68	0.39	0.030



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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																		
1168809	Soil	24	18	0.63	111	0.114	<1	2.58	0.025	0.21	1.0	0.02	4.8	0.3	<0.05	8	<0.5	<0.2
REP 1168809	QC	24	19	0.67	114	0.122	1	2.76	0.028	0.23	0.8	0.04	5.4	0.3	<0.05	9	<0.5	<0.2
1168810	Soil	35	19	0.57	104	0.113	1	2.35	0.024	0.18	1.6	0.04	5.1	0.2	<0.05	8	<0.5	<0.2
REP 1168810	QC	33	18	0.56	102	0.108	<1	2.42	0.023	0.17	1.5	0.04	4.9	0.2	<0.05	7	<0.5	<0.2
1170052	Soil	9	22	0.54	119	0.130	1	1.62	0.013	0.09	0.5	0.02	2.3	0.3	<0.05	7	<0.5	<0.2
REP 1170052	QC	10	24	0.56	122	0.136	<1	1.80	0.014	0.09	0.5	0.03	2.3	0.2	<0.05	7	<0.5	<0.2
1168508	Soil	11	28	0.55	148	0.116	1	1.61	0.020	0.05	0.8	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
REP 1168508	QC	11	29	0.57	144	0.110	<1	1.59	0.019	0.05	0.7	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
1171855	Soil	13	38	0.76	157	0.139	2	2.61	0.022	0.07	0.3	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
REP 1171855	QC	12	37	0.70	152	0.142	1	2.52	0.023	0.07	0.3	0.02	4.5	0.2	<0.05	7	<0.5	<0.2
1171861	Soil	12	27	0.53	111	0.130	2	1.90	0.018	0.08	0.9	0.06	3.7	0.2	<0.05	7	<0.5	<0.2
REP 1171861	QC	12	27	0.55	112	0.125	1	1.94	0.016	0.08	0.7	0.08	3.7	0.3	<0.05	7	<0.5	<0.2
1171862	Soil	23	32	0.67	152	0.124	2	2.52	0.023	0.09	0.4	0.05	5.7	0.3	<0.05	8	0.6	<0.2
REP 1171862	QC	21	31	0.62	146	0.128	1	2.32	0.022	0.09	0.4	0.04	5.4	0.3	<0.05	7	0.8	<0.2
1219629	Soil	14	32	0.69	196	0.146	2	2.06	0.038	0.08	0.3	0.02	3.7	0.2	<0.05	6	<0.5	<0.2
REP 1219629	QC	14	31	0.65	185	0.145	2	1.92	0.030	0.08	0.3	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
1161677	Soil	11	36	0.62	197	0.120	2	2.25	0.026	0.06	0.7	0.03	3.9	0.1	<0.05	6	0.6	<0.2
REP 1161677	QC	11	36	0.56	189	0.115	2	2.15	0.024	0.06	0.7	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
1161669	Soil	10	41	0.52	83	0.130	1	2.06	0.014	0.08	0.4	0.05	2.8	0.1	<0.05	8	<0.5	<0.2
REP 1161669	QC	10	40	0.49	78	0.122	2	1.88	0.013	0.07	0.4	0.04	2.8	0.1	<0.05	8	<0.5	<0.2
1170079	Soil	14	38	0.73	196	0.156	2	2.01	0.028	0.10	0.1	0.03	5.5	0.1	<0.05	6	<0.5	<0.2
REP 1170079	QC	14	39	0.78	198	0.156	<1	2.02	0.034	0.10	0.1	0.02	5.4	0.1	<0.05	7	<0.5	<0.2
1170085	Soil	10	27	0.59	114	0.132	<1	2.08	0.019	0.07	0.2	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
REP 1170085	QC	11	28	0.62	120	0.138	1	2.10	0.017	0.08	0.2	0.04	3.4	0.1	<0.05	7	<0.5	<0.2
1174591	Soil	10	32	0.51	115	0.087	<1	1.63	0.014	0.02	0.1	0.02	3.2	0.1	<0.05	5	0.7	<0.2
REP 1174591	QC	10	34	0.50	117	0.089	1	1.65	0.022	0.02	<0.1	0.01	3.3	0.1	<0.05	5	0.9	<0.2
1219508	Soil	10	27	0.60	125	0.118	1	1.82	0.019	0.03	0.3	<0.01	3.2	0.2	<0.05	6	<0.5	<0.2
REP 1219508	QC	9	26	0.60	125	0.111	1	1.81	0.020	0.03	0.3	<0.01	3.0	0.2	<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: WLF
 Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000384.2

		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
1219558	Soil	5.0	27.5	27.6	61	0.6	13.1	9.0	487	2.64	12.2	1.1	13.3	3.2	37	0.5	0.7	0.7	64	0.30	0.055
REP 1219558	QC	4.8	28.1	27.9	61	0.6	13.9	8.8	460	2.55	12.9	1.2	14.7	3.4	36	0.6	0.7	0.7	61	0.29	0.057
1176574	Soil	8.9	54.4	116.9	72	0.8	23.9	10.9	409	3.37	43.8	11.0	10.5	20.2	32	0.2	8.5	3.3	87	0.36	0.051
REP 1176574	QC	10.2	53.0	115.7	72	0.9	22.8	10.4	367	3.15	42.1	10.2	3.8	19.9	34	0.3	8.5	3.3	84	0.35	0.049
1176559	Soil	3.5	43.8	16.9	56	0.2	17.1	10.5	441	2.86	17.9	2.2	5.8	5.6	36	0.1	4.3	0.7	76	0.47	0.036
REP 1176559	QC	3.4	43.0	16.5	55	0.3	16.6	10.1	429	2.80	17.9	2.2	2.4	5.7	36	0.2	3.9	0.7	74	0.48	0.037
Reference Materials																					
STD DS8	Standard	12.2	111.9	124.9	307	1.8	38.1	7.5	591	2.46	25.1	2.9	105.4	6.7	64	2.2	5.5	7.3	45	0.67	0.079
STD DS8	Standard	13.7	106.0	117.6	312	1.8	38.5	7.9	633	2.56	25.6	2.7	112.1	6.7	64	2.3	5.3	5.8	47	0.72	0.082
STD DS8	Standard	13.3	108.3	119.1	311	1.7	37.4	7.6	625	2.43	24.2	2.6	114.0	6.8	72	2.2	5.2	6.4	41	0.71	0.076
STD DS8	Standard	13.7	113.5	119.5	300	1.9	38.7	7.7	594	2.42	24.7	2.6	108.9	6.5	65	2.3	5.6	6.1	44	0.68	0.076
STD DS8	Standard	12.2	108.2	124.3	314	1.8	40.7	7.8	625	2.50	25.7	2.4	119.5	5.9	62	2.2	5.2	6.2	43	0.68	0.077
STD DS8	Standard	12.7	110.4	117.2	316	1.8	37.2	7.5	598	2.45	24.8	2.4	115.8	5.9	57	2.2	5.0	6.1	40	0.66	0.082
STD DS8	Standard	11.8	121.3	125.4	328	1.8	40.7	7.8	612	2.51	27.2	2.7	114.3	6.5	63	2.5	5.3	7.1	45	0.65	0.075
STD DS8	Standard	13.4	103.5	116.8	297	1.7	38.4	7.7	596	2.39	23.4	2.6	113.0	6.5	66	2.1	5.2	6.2	42	0.69	0.073
STD DS8	Standard	14.4	107.0	125.2	310	1.8	36.5	7.7	617	2.51	25.4	2.9	113.9	6.8	69	2.3	5.6	7.1	45	0.71	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: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000384.2

		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
1219558	Soil	10	25	0.41	109	0.058	<1	1.61	0.016	0.03	0.2	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
REP 1219558	QC	11	24	0.41	111	0.067	1	1.71	0.014	0.03	0.1	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
1176574	Soil	28	40	0.58	153	0.114	<1	2.56	0.017	0.06	0.6	0.03	5.6	0.2	<0.05	8	0.6	<0.2
REP 1176574	QC	28	36	0.56	156	0.111	<1	2.54	0.017	0.06	0.6	0.04	5.3	0.2	<0.05	9	0.7	<0.2
1176559	Soil	15	31	0.65	167	0.133	<1	2.14	0.021	0.05	3.1	0.03	4.5	0.2	<0.05	7	<0.5	<0.2
REP 1176559	QC	14	31	0.65	163	0.143	<1	2.17	0.022	0.05	2.7	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	112	0.63	254	0.108	2	0.96	0.092	0.42	2.7	0.20	2.3	5.4	0.17	5	5.2	4.8
STD DS8	Standard	16	124	0.63	297	0.118	2	0.96	0.095	0.42	2.9	0.19	2.1	5.3	0.18	5	5.4	5.1
STD DS8	Standard	16	120	0.61	274	0.116	2	0.97	0.115	0.43	2.6	0.19	3.3	5.2	0.15	5	5.7	4.8
STD DS8	Standard	16	122	0.61	288	0.113	2	0.91	0.102	0.43	3.0	0.20	2.4	5.5	0.14	5	5.0	5.1
STD DS8	Standard	12	120	0.60	257	0.104	3	0.93	0.107	0.44	2.9	0.20	2.3	5.6	0.14	5	5.3	4.9
STD DS8	Standard	13	117	0.62	275	0.102	3	0.90	0.088	0.41	2.7	0.17	2.1	5.4	0.14	5	5.0	4.8
STD DS8	Standard	13	116	0.61	276	0.114	3	0.90	0.084	0.44	3.1	0.19	2.2	5.7	0.16	5	5.4	5.0
STD DS8	Standard	16	117	0.62	287	0.111	2	0.96	0.098	0.40	2.9	0.19	2.2	5.1	0.14	5	5.5	4.9
STD DS8	Standard	16	121	0.61	283	0.118	2	0.91	0.090	0.41	3.0	0.20	2.2	5.5	0.14	5	4.4	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



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Submitted By: Peter Tallman Receiving Lab: Canada-Dawson City Received: September 15, 2011 Report Date: January 04, 2012 Page: 1 of 3

CERTIFICATE OF ANALYSIS

DAW11000389.2

CLIENT JOB INFORMATION

Project: WLF Shipment ID: WLF2011-06 P.O. Number Number of Samples: 56

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: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

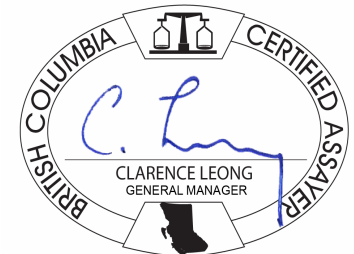
CC: Peter Tallman

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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: WLF
 Report Date: January 04, 2012

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

DAW11000389.2

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	
1202146	Soil	0.7	29.3	12.9	53	0.2	21.7	10.0	428	2.77	27.5	0.9	7.1	3.8	39	0.2	1.7	0.5	72	0.52	0.047
1219665	Soil	1.5	138.6	47.5	1159	2.9	7.4	12.7	540	4.76	1293	2.2	170.8	9.4	47	33.6	28.6	5.2	92	0.56	0.050
1219662	Soil	1.8	29.3	22.2	52	0.6	17.6	9.7	294	2.85	154.4	0.9	14.7	3.9	40	0.2	3.0	0.5	73	0.55	0.041
1219661	Soil	0.8	23.4	15.4	54	0.1	16.4	13.7	423	3.44	102.6	0.9	11.5	7.1	45	0.2	1.1	0.4	92	0.65	0.066
1219660	Soil	1.2	20.0	20.0	51	0.4	17.5	9.7	468	2.95	15.8	0.8	5.4	2.8	35	0.5	0.8	0.5	77	0.34	0.030
1219659	Soil	0.6	19.9	11.4	44	0.1	21.3	10.1	288	2.79	10.7	0.9	8.0	3.7	36	0.2	0.6	0.3	71	0.44	0.051
1219658	Soil	1.0	13.2	12.7	67	0.2	16.9	10.6	519	2.66	8.4	0.3	2.0	1.5	26	0.5	0.5	0.3	67	0.28	0.030
1219657	Soil	1.4	22.3	16.0	70	0.2	22.3	11.6	338	3.03	13.1	0.9	4.9	3.3	31	0.4	0.7	1.3	74	0.25	0.028
1219656	Soil	3.4	21.7	24.3	73	0.4	19.8	11.3	347	3.77	20.7	1.5	28.2	4.1	29	0.3	0.9	0.9	80	0.23	0.061
1219655	Soil	1.9	33.4	16.7	60	0.4	26.4	15.6	313	3.68	15.2	1.8	71.3	4.8	29	0.2	0.8	0.5	79	0.25	0.036
1219654	Soil	2.1	28.5	14.6	45	0.2	18.8	8.9	212	2.65	10.4	1.1	10.0	3.0	34	0.2	0.6	0.3	65	0.29	0.035
1202149	Soil	1.2	20.2	17.3	51	0.2	23.7	10.9	463	3.09	11.5	1.6	5.3	15.6	29	0.2	0.9	0.4	73	0.37	0.042
1202150	Soil	1.6	21.0	13.1	59	0.2	26.0	13.2	742	3.15	7.9	1.7	2.3	8.1	32	0.5	0.6	0.2	76	0.40	0.031
1219642	Soil	3.8	44.5	50.8	51	0.9	14.8	8.2	382	1.89	18.8	16.4	6.7	11.9	71	0.7	4.7	0.7	48	1.30	0.070
1219643	Soil	1.0	15.5	12.7	39	0.2	12.0	4.6	127	1.67	4.7	1.6	26.8	3.1	23	0.2	0.4	0.3	37	0.30	0.062
1219644	Soil	1.1	17.7	14.2	34	0.3	12.1	4.5	121	1.80	5.4	1.9	3.3	2.2	23	0.2	0.5	0.2	35	0.28	0.071
1219645	Soil	0.5	14.3	8.6	18	0.2	6.5	2.2	57	0.99	3.4	1.3	2.7	0.7	18	0.1	0.3	0.2	15	0.17	0.065
1219646	Soil	1.6	25.5	22.2	48	0.3	14.6	5.6	155	2.45	15.4	1.9	12.6	4.3	23	0.1	0.7	0.4	76	0.28	0.072
1219647	Soil	2.7	26.5	22.3	51	0.2	13.6	4.8	164	1.92	13.0	1.9	3.9	6.6	28	0.1	1.2	0.4	52	0.31	0.055
1219648	Soil	1.8	32.0	23.4	50	0.4	15.7	5.3	123	1.84	9.3	2.4	10.2	2.7	32	0.3	0.6	0.4	43	0.38	0.058
1219649	Soil	1.9	47.0	34.2	58	<0.1	19.5	9.7	412	2.88	38.6	1.5	7.3	5.5	53	0.3	1.7	0.8	73	0.40	0.055
1219650	Soil	0.6	24.7	18.2	46	<0.1	26.7	10.7	314	2.77	8.8	0.8	4.0	5.7	33	0.1	0.4	1.0	69	0.37	0.033
1219653	Soil	1.0	20.8	37.5	61	0.2	20.3	10.2	319	2.72	14.9	0.7	6.0	2.8	34	0.3	0.6	0.5	75	0.29	0.029
1219664	Soil	1.1	106.5	47.0	1238	2.7	6.4	12.2	503	4.08	1025	2.0	156.5	8.9	39	31.8	25.8	4.6	87	0.52	0.050
1202250	Soil	1.6	18.4	47.2	84	0.2	22.4	14.3	825	4.06	9.2	3.7	1.9	46.5	33	0.6	0.9	0.4	82	0.61	0.120
1202122	Soil	4.9	24.5	32.8	71	0.2	30.6	12.4	652	4.06	11.8	7.3	0.6	48.0	26	0.5	5.1	0.6	88	0.57	0.111
1202124	Soil	2.1	14.5	21.1	48	0.1	13.3	4.8	132	1.84	9.6	2.2	6.4	6.3	20	0.1	1.0	0.4	55	0.22	0.045
1202123	Soil	4.1	19.7	28.8	61	0.2	24.2	9.1	428	2.96	11.4	5.5	3.5	30.5	22	0.4	3.4	0.6	69	0.41	0.089
1202249	Soil	2.9	39.0	25.8	72	0.3	22.2	9.8	612	3.21	12.4	2.4	1.7	16.7	40	1.1	1.7	0.4	75	0.49	0.042
1202125	Soil	2.1	17.2	17.2	47	0.1	15.5	5.8	179	2.39	9.4	1.6	3.4	7.4	23	0.1	0.6	0.5	68	0.31	0.079



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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
1202146	Soil	12	35	0.66	162	0.115	2	1.70	0.036	0.05	0.3	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
1219665	Soil	18	16	0.90	266	0.080	2	2.45	0.022	0.26	0.3	0.03	9.5	0.3	<0.05	8	<0.5	<0.2
1219662	Soil	11	31	0.71	165	0.146	1	2.16	0.034	0.06	0.5	0.03	3.9	0.2	<0.05	6	<0.5	<0.2
1219661	Soil	15	30	0.85	215	0.212	2	1.91	0.037	0.24	0.5	0.02	4.0	0.4	<0.05	6	<0.5	<0.2
1219660	Soil	10	31	0.55	177	0.127	1	1.91	0.018	0.05	0.3	0.01	2.8	0.2	<0.05	7	<0.5	<0.2
1219659	Soil	10	35	0.62	141	0.115	1	1.63	0.022	0.04	0.2	0.01	3.7	0.1	<0.05	5	<0.5	<0.2
1219658	Soil	5	26	0.42	121	0.091	1	1.60	0.020	0.04	0.1	0.02	1.7	0.1	<0.05	6	<0.5	<0.2
1219657	Soil	9	35	0.62	122	0.135	2	2.14	0.018	0.06	0.2	0.02	3.0	0.2	<0.05	7	<0.5	0.2
1219656	Soil	9	34	0.63	121	0.115	2	2.32	0.015	0.04	0.5	0.02	3.6	0.2	<0.05	8	<0.5	0.4
1219655	Soil	10	40	0.68	128	0.118	2	2.92	0.016	0.04	0.3	0.04	4.3	0.2	<0.05	7	0.6	0.4
1219654	Soil	10	32	0.52	126	0.098	2	1.79	0.016	0.03	0.3	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
1202149	Soil	15	36	0.66	148	0.105	2	1.77	0.014	0.13	0.5	0.01	3.5	0.1	<0.05	6	<0.5	<0.2
1202150	Soil	14	44	0.60	163	0.111	2	2.00	0.021	0.07	0.3	0.02	5.4	<0.1	<0.05	6	<0.5	<0.2
1219642	Soil	34	26	0.47	102	0.089	3	1.13	0.022	0.06	0.9	0.09	4.0	0.2	0.07	4	0.6	<0.2
1219643	Soil	9	28	0.38	57	0.077	2	1.04	0.014	0.03	0.3	0.04	1.9	<0.1	<0.05	5	<0.5	<0.2
1219644	Soil	8	29	0.34	66	0.063	1	0.98	0.013	0.03	0.2	0.06	1.7	0.1	<0.05	4	<0.5	<0.2
1219645	Soil	6	19	0.15	41	0.036	1	0.54	0.015	0.03	0.2	0.04	0.9	<0.1	<0.05	2	<0.5	<0.2
1219646	Soil	9	33	0.46	71	0.094	2	1.30	0.014	0.04	0.3	0.05	2.4	0.1	<0.05	5	<0.5	<0.2
1219647	Soil	10	39	0.63	76	0.146	1	1.24	0.015	0.15	1.2	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
1219648	Soil	9	35	0.48	86	0.113	2	1.22	0.018	0.04	0.2	0.04	2.8	0.2	<0.05	5	0.8	<0.2
1219649	Soil	9	47	0.72	108	0.168	2	1.66	0.017	0.11	0.2	0.01	2.3	0.2	<0.05	6	<0.5	<0.2
1219650	Soil	12	43	0.69	174	0.125	1	2.20	0.016	0.04	0.1	0.01	3.8	0.1	<0.05	5	<0.5	<0.2
1219653	Soil	7	33	0.49	126	0.098	2	2.01	0.015	0.03	0.2	0.01	3.0	0.2	<0.05	6	<0.5	<0.2
1219664	Soil	17	15	0.86	248	0.083	<1	2.27	0.021	0.25	0.3	0.03	9.0	0.3	<0.05	7	<0.5	<0.2
1202250	Soil	40	33	0.99	113	0.091	2	1.93	0.014	0.19	0.4	0.02	5.7	0.3	<0.05	9	<0.5	<0.2
1202122	Soil	34	61	0.95	102	0.166	1	1.91	0.014	0.31	0.6	<0.01	5.3	0.4	<0.05	10	<0.5	<0.2
1202124	Soil	9	31	0.42	53	0.098	1	1.14	0.012	0.04	0.2	0.03	2.0	0.1	<0.05	6	<0.5	<0.2
1202123	Soil	23	49	0.75	82	0.131	<1	1.51	0.013	0.20	0.5	0.02	3.6	0.3	<0.05	8	<0.5	<0.2
1202249	Soil	17	32	0.64	107	0.099	1	1.93	0.017	0.11	1.0	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
1202125	Soil	12	38	0.50	54	0.102	1	1.08	0.013	0.05	1.0	0.03	2.1	<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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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	
1202126	Soil	0.9	16.8	15.6	32	0.2	9.1	3.2	86	1.54	9.6	1.4	5.0	1.6	22	0.1	0.6	0.4	32	0.23	0.052
1202127	Soil	0.7	18.8	21.0	42	0.2	12.7	4.1	103	1.48	7.0	1.7	4.3	2.3	25	0.1	0.5	0.5	32	0.27	0.048
1202128	Soil	1.4	18.3	20.4	37	0.2	10.7	4.4	144	1.88	14.8	1.1	5.7	2.1	22	0.2	0.6	0.6	66	0.21	0.039
1202129	Soil	0.5	12.1	13.3	20	0.2	5.5	2.0	59	0.86	6.9	1.0	4.4	0.8	21	0.1	0.3	0.3	19	0.20	0.045
1219586	Soil	0.8	18.7	13.7	61	0.3	14.3	10.1	275	2.78	21.8	1.2	6.4	3.7	30	0.2	1.8	1.0	76	0.50	0.067
1219666	Soil	1.4	28.9	23.2	78	0.8	19.4	18.3	647	5.01	32.8	0.8	2.0	9.5	41	0.5	1.7	1.1	132	0.31	0.038
1219667	Soil	0.8	28.7	12.3	61	0.1	18.3	14.9	537	4.03	17.6	1.0	2.4	8.1	29	0.2	0.8	0.4	113	0.59	0.081
1219668	Soil	0.9	72.2	10.5	57	0.4	19.2	11.9	659	3.31	45.4	3.5	20.3	6.0	37	0.2	1.8	0.4	96	0.77	0.077
1219669	Soil	0.9	25.1	10.4	58	<0.1	17.1	13.6	495	3.53	14.9	1.2	48.8	6.2	33	0.2	1.4	0.6	101	0.69	0.077
1219670	Soil	1.0	31.4	9.3	67	0.2	20.7	15.8	713	4.31	10.0	1.8	5.1	8.1	31	0.2	1.5	0.3	121	0.58	0.054
1219671	Soil	0.8	33.6	14.0	57	0.2	15.3	9.7	496	3.24	14.6	1.9	8.1	5.0	44	0.2	1.5	0.5	86	0.88	0.063
1219672	Soil	1.1	33.7	9.8	49	0.2	13.4	8.4	476	2.54	10.1	3.4	4.3	3.4	71	0.2	1.7	0.3	65	1.91	0.070
1219673	Soil	1.0	31.6	17.8	67	0.2	14.4	13.1	535	3.50	16.2	1.0	2.0	3.9	44	0.2	1.7	2.3	94	0.72	0.075
1219663	Soil	1.3	119.1	54.4	1569	3.2	7.7	12.9	549	4.49	1149	2.2	163.5	9.6	45	34.8	29.6	4.5	95	0.62	0.056
1219674	Soil	0.5	22.1	8.4	45	0.2	18.6	8.9	301	2.65	14.2	0.7	8.4	2.9	40	<0.1	0.8	0.7	69	0.53	0.051
1219581	Soil	0.4	21.9	16.9	77	0.1	15.2	14.6	676	3.91	22.5	0.8	1.6	6.7	38	0.3	2.3	0.4	104	0.73	0.058
1202148	Soil	0.6	17.8	11.4	80	<0.1	16.1	14.2	589	3.95	17.0	0.9	<0.5	7.7	43	0.3	1.9	0.3	106	0.53	0.085
1219583	Soil	0.4	30.4	8.4	51	<0.1	24.2	10.2	460	2.90	9.9	0.6	8.5	3.6	46	0.1	0.7	0.2	74	0.75	0.085
1219582	Soil	0.6	34.7	9.5	57	0.1	26.8	11.8	462	3.04	10.7	0.6	4.8	3.8	48	0.1	0.8	0.2	82	0.76	0.092
1202130	Soil	1.0	30.1	27.2	47	0.6	11.9	5.0	170	1.81	15.8	1.5	6.5	1.1	41	0.3	0.8	0.7	44	0.38	0.082
1202138	Soil	1.9	19.9	22.8	53	0.1	18.2	11.4	225	3.19	16.6	1.9	47.6	4.6	42	0.2	1.3	0.7	71	0.33	0.058
1202139	Soil	1.7	18.1	24.9	57	0.2	20.1	14.0	383	3.37	21.1	1.1	24.4	4.2	50	0.3	1.4	0.7	74	0.28	0.051
1202140	Soil	1.1	23.1	19.9	62	0.4	18.7	8.1	225	2.91	18.0	1.1	24.6	3.4	39	0.3	1.3	0.6	71	0.28	0.030
1219584	Soil	0.9	27.2	20.4	66	0.2	12.4	12.3	444	3.63	20.2	1.7	1.9	5.6	43	0.1	3.6	0.6	101	0.70	0.043
1219585	Soil	1.5	28.4	28.6	53	0.4	19.1	9.6	535	2.67	13.0	4.4	4.5	5.0	48	0.4	1.7	0.8	71	0.84	0.041
1219588	Soil	1.8	23.2	18.7	53	0.9	12.0	13.2	719	2.43	19.3	2.9	7.4	3.4	57	0.4	2.3	0.7	63	0.83	0.090



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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
1202126	Soil	7	24	0.28	54	0.064	<1	0.91	0.013	0.03	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1202127	Soil	7	30	0.37	62	0.080	1	1.12	0.015	0.04	0.3	0.05	2.1	0.1	<0.05	5	<0.5	<0.2
1202128	Soil	7	26	0.33	55	0.095	<1	1.06	0.012	0.03	0.2	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
1202129	Soil	5	16	0.17	39	0.050	<1	0.60	0.016	0.02	0.2	0.03	1.2	<0.1	0.05	3	<0.5	<0.2
1219586	Soil	11	28	0.68	151	0.137	<1	1.97	0.023	0.11	0.2	0.04	3.7	0.1	<0.05	6	<0.5	<0.2
1219666	Soil	12	34	1.30	226	0.262	1	3.75	0.019	0.58	0.3	0.02	5.4	1.0	<0.05	11	<0.5	<0.2
1219667	Soil	14	35	1.08	227	0.266	1	2.30	0.033	0.42	0.4	<0.01	4.7	0.3	<0.05	8	<0.5	<0.2
1219668	Soil	31	33	0.84	288	0.150	1	1.93	0.043	0.25	0.3	0.05	8.7	0.2	<0.05	6	<0.5	<0.2
1219669	Soil	14	32	0.99	257	0.228	1	2.05	0.044	0.37	0.4	<0.01	4.9	0.2	<0.05	7	<0.5	<0.2
1219670	Soil	20	36	1.18	316	0.222	<1	2.46	0.037	0.40	0.2	0.02	10.2	0.3	<0.05	8	<0.5	<0.2
1219671	Soil	22	27	0.81	214	0.121	2	1.83	0.047	0.27	0.5	0.02	7.2	0.2	<0.05	6	<0.5	<0.2
1219672	Soil	14	23	0.74	226	0.118	2	1.64	0.051	0.23	0.5	0.04	5.1	0.2	0.07	5	<0.5	<0.2
1219673	Soil	11	27	0.94	212	0.207	1	2.29	0.038	0.21	0.5	<0.01	5.2	0.4	<0.05	8	<0.5	<0.2
1219663	Soil	20	15	0.98	262	0.080	<1	2.67	0.042	0.25	0.4	0.03	10.6	0.3	<0.05	8	<0.5	<0.2
1219674	Soil	12	29	0.66	164	0.130	<1	1.99	0.039	0.07	0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
1219581	Soil	14	27	1.11	217	0.247	1	3.26	0.031	0.38	0.4	<0.01	6.1	0.3	<0.05	9	<0.5	<0.2
1202148	Soil	9	25	1.08	286	0.266	1	2.83	0.038	0.51	0.3	<0.01	4.7	0.3	<0.05	9	<0.5	<0.2
1219583	Soil	14	32	0.79	180	0.140	1	1.59	0.064	0.11	0.2	0.03	4.4	0.1	<0.05	5	<0.5	<0.2
1219582	Soil	14	35	0.84	191	0.142	2	1.69	0.063	0.12	0.2	0.03	5.3	0.1	<0.05	5	<0.5	<0.2
1202130	Soil	8	25	0.31	87	0.056	2	1.37	0.018	0.03	0.3	0.05	2.8	0.1	0.06	5	0.6	<0.2
1202138	Soil	11	32	0.66	106	0.115	1	2.21	0.025	0.05	0.2	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
1202139	Soil	9	34	0.64	133	0.130	1	2.60	0.019	0.05	0.3	0.02	3.7	0.2	<0.05	7	<0.5	0.4
1202140	Soil	10	32	0.53	119	0.125	1	2.24	0.018	0.04	0.2	0.01	3.2	0.2	<0.05	7	<0.5	<0.2
1219584	Soil	15	25	0.88	281	0.145	<1	2.42	0.036	0.28	0.2	0.02	7.7	0.2	<0.05	8	<0.5	<0.2
1219585	Soil	27	36	0.62	211	0.132	1	1.90	0.035	0.16	1.1	0.03	5.6	0.1	<0.05	6	<0.5	<0.2
1219588	Soil	18	22	0.56	215	0.107	2	2.09	0.032	0.09	0.2	0.09	5.3	0.2	<0.05	6	0.5	<0.2



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Project: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000389.2

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																					
1219643	Soil	1.0	15.5	12.7	39	0.2	12.0	4.6	127	1.67	4.7	1.6	26.8	3.1	23	0.2	0.4	0.3	37	0.30	0.062
REP 1219643	QC	1.1	16.0	13.0	40	0.2	12.7	4.7	130	1.71	4.7	1.6	7.2	3.1	23	0.1	0.5	0.2	37	0.28	0.065
1202124	Soil	2.1	14.5	21.1	48	0.1	13.3	4.8	132	1.84	9.6	2.2	6.4	6.3	20	0.1	1.0	0.4	55	0.22	0.045
REP 1202124	QC	2.0	14.3	21.1	49	0.2	12.9	4.9	136	1.90	9.7	2.2	11.5	6.4	20	0.1	1.0	0.4	55	0.22	0.046
1219673	Soil	1.0	31.6	17.8	67	0.2	14.4	13.1	535	3.50	16.2	1.0	2.0	3.9	44	0.2	1.7	2.3	94	0.72	0.075
REP 1219673	QC	1.0	31.9	18.1	69	0.2	14.4	13.3	542	3.57	16.4	1.0	5.7	4.0	45	0.2	1.7	2.9	99	0.72	0.075
1219588	Soil	1.8	23.2	18.7	53	0.9	12.0	13.2	719	2.43	19.3	2.9	7.4	3.4	57	0.4	2.3	0.7	63	0.83	0.090
REP 1219588	QC	1.6	23.7	18.9	54	0.9	12.0	13.1	739	2.54	18.7	2.9	11.6	3.3	56	0.4	2.1	0.7	65	0.84	0.089
Reference Materials																					
STD DS8	Standard	12.6	104.5	121.0	287	1.8	36.5	7.5	575	2.35	23.6	2.7	115.4	6.4	63	2.2	5.4	6.4	40	0.65	0.076
STD DS8	Standard	13.7	111.1	127.2	319	1.8	39.8	7.7	632	2.49	24.5	2.7	111.5	6.6	75	2.3	5.7	6.4	44	0.71	0.076
STD DS8	Standard	13.5	111.3	121.0	317	1.7	37.5	7.6	635	2.57	26.2	2.8	106.3	7.1	78	2.4	5.7	6.6	44	0.75	0.082
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: WLF

Report Date: January 04, 2012

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

DAW11000389.2

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																		
1219643	Soil	9	28	0.38	57	0.077	2	1.04	0.014	0.03	0.3	0.04	1.9	<0.1	<0.05	5	<0.5	<0.2
REP 1219643	QC	10	28	0.39	59	0.078	2	0.99	0.014	0.03	0.3	0.04	1.8	0.1	<0.05	5	<0.5	<0.2
1202124	Soil	9	31	0.42	53	0.098	1	1.14	0.012	0.04	0.2	0.03	2.0	0.1	<0.05	6	<0.5	<0.2
REP 1202124	QC	9	31	0.44	51	0.096	2	1.12	0.012	0.05	0.3	0.04	2.0	0.1	<0.05	6	<0.5	<0.2
1219673	Soil	11	27	0.94	212	0.207	1	2.29	0.038	0.21	0.5	<0.01	5.2	0.4	<0.05	8	<0.5	<0.2
REP 1219673	QC	11	27	0.92	218	0.209	2	2.31	0.038	0.22	0.5	0.02	5.2	0.4	<0.05	8	<0.5	<0.2
1219588	Soil	18	22	0.56	215	0.107	2	2.09	0.032	0.09	0.2	0.09	5.3	0.2	<0.05	6	0.5	<0.2
REP 1219588	QC	17	23	0.56	210	0.110	2	2.12	0.032	0.09	0.2	0.08	5.4	0.2	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	114	0.56	264	0.109	2	0.80	0.086	0.39	2.9	0.20	2.0	5.2	0.14	4	4.4	4.3
STD DS8	Standard	17	123	0.66	285	0.124	3	0.97	0.111	0.43	3.0	0.22	2.6	5.5	0.17	5	5.4	5.2
STD DS8	Standard	17	119	0.63	300	0.134	2	1.00	0.095	0.44	3.0	0.20	3.0	5.4	0.12	5	4.9	5.1
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 08, 2011
Report Date: January 04, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

DAW11000418.2

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-05
P.O. Number
Number of Samples: 135

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: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

CC: Graeme

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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: WLF
 Report Date: January 04, 2012

Page: 2 of 6 Part 1

CERTIFICATE OF ANALYSIS

DAW11000418.2

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	
1174561	Soil	1.0	19.5	25.1	70	0.7	17.2	11.3	304	3.54	70.0	0.6	13.6	3.5	32	0.7	3.3	1.9	89	0.39	0.035
1174567	Soil	0.4	27.1	8.1	50	<0.1	27.3	11.2	426	3.19	11.2	0.7	2.4	4.5	36	<0.1	0.6	0.2	76	0.61	0.056
1174563	Soil	0.9	20.1	16.6	54	0.3	20.2	11.0	351	2.96	20.9	1.2	5.1	4.3	33	0.2	1.1	0.7	74	0.47	0.039
1174560	Soil	1.0	19.6	62.9	92	1.9	15.9	9.2	277	2.82	107.5	0.9	12.2	2.8	30	0.8	8.6	1.2	72	0.40	0.030
1174565	Soil	0.9	24.6	15.0	53	0.4	16.1	9.0	281	2.59	24.5	2.0	5.2	2.5	55	0.4	0.9	0.8	64	0.78	0.054
1174564	Soil	0.9	17.4	24.8	71	0.2	17.7	12.9	567	3.74	26.3	0.7	2.8	4.4	32	0.2	1.5	1.0	90	0.50	0.041
1174562	Soil	0.7	20.4	20.0	53	0.4	17.8	9.9	345	2.81	33.1	0.9	5.5	3.5	34	0.3	1.8	0.8	72	0.50	0.034
1174566	Soil	0.6	26.7	9.2	51	0.1	20.5	10.3	383	2.72	12.4	0.9	1.9	3.4	42	0.2	0.5	0.3	70	0.76	0.060
1174568	Soil	0.6	21.6	16.4	70	0.2	24.4	15.2	628	4.15	18.4	0.8	<0.5	8.9	34	0.2	2.3	0.7	100	0.57	0.052
1174569	Soil	0.6	24.5	15.0	50	0.2	27.4	12.1	426	3.30	15.2	0.9	<0.5	5.1	41	0.2	1.0	0.3	87	0.56	0.052
1174570	Soil	0.4	21.3	50.5	124	0.1	10.0	15.5	956	5.24	37.3	1.5	2.0	14.1	55	0.3	5.3	0.9	138	1.06	0.095
1174571	Soil	0.4	21.3	49.6	128	0.1	9.3	16.2	990	5.61	39.1	1.5	<0.5	14.6	53	0.3	5.8	0.9	137	1.05	0.108
1174572	Soil	0.4	20.0	47.2	116	0.1	10.3	15.6	954	5.43	33.9	1.4	<0.5	12.6	55	0.2	5.0	0.8	130	1.04	0.094
1174574	Soil	0.8	20.0	12.3	59	0.2	21.3	12.1	430	3.15	11.9	0.9	<0.5	5.1	33	0.2	0.7	1.4	78	0.58	0.031
1174575	Soil	0.5	31.5	7.6	54	<0.1	25.6	11.4	474	2.78	10.9	0.4	3.6	3.0	45	0.1	0.5	0.5	70	0.84	0.068
1174573	Soil	0.7	32.4	36.3	74	0.1	20.4	13.1	443	3.81	46.2	0.9	3.6	8.3	35	0.3	1.8	1.4	99	0.60	0.020
1174576	Soil	0.7	21.6	17.9	63	0.3	18.3	13.2	492	3.65	13.1	1.1	3.2	9.3	38	0.2	1.0	1.0	90	0.63	0.040
1174578	Soil	0.8	20.5	11.1	56	0.2	18.0	10.5	446	2.41	10.6	0.9	4.5	2.2	36	0.3	1.3	0.4	62	0.67	0.059
1174577	Soil	0.6	21.1	12.4	54	<0.1	21.2	12.4	376	3.68	15.5	1.9	<0.5	9.7	30	0.1	1.0	0.2	86	0.63	0.031
1174580	Soil	0.7	26.1	10.3	53	0.1	20.8	10.8	346	2.54	9.3	0.8	2.1	2.1	41	0.2	0.9	0.4	64	0.82	0.063
1201380	Soil	11.4	127.8	13.5	69	0.6	15.7	15.5	448	4.36	44.0	2.0	51.4	5.0	50	0.3	3.1	2.2	113	0.35	0.074
1174579	Soil	0.9	20.8	11.4	58	0.2	17.6	9.7	391	2.28	10.4	0.8	4.8	2.1	35	0.4	1.3	0.4	61	0.66	0.061
1201381	Soil	4.5	94.7	14.7	79	0.2	16.7	19.6	710	5.76	33.9	2.1	6.1	8.9	37	0.1	1.7	1.1	167	0.38	0.063
1202284	Soil	1.6	34.1	11.2	65	<0.1	21.7	18.3	557	4.75	28.1	0.9	0.5	6.5	54	0.1	1.4	0.6	134	0.23	0.023
1201382	Soil	1.9	44.2	12.4	69	0.1	19.0	20.0	546	4.45	19.5	1.2	7.9	6.5	32	0.1	0.6	0.7	133	0.28	0.045
1174552	Soil	1.5	27.3	12.9	75	0.2	16.1	15.5	636	5.01	17.9	0.9	<0.5	5.6	47	0.1	1.0	0.7	134	0.43	0.038
1174551	Soil	0.8	22.6	9.9	57	<0.1	16.5	13.9	464	4.31	19.5	1.2	3.1	6.9	28	0.1	1.0	0.9	117	0.40	0.031
1202286	Soil	0.8	27.2	15.3	74	<0.1	10.3	16.2	643	5.84	33.4	1.9	3.2	12.1	38	0.1	1.8	1.7	178	0.62	0.056
1174553	Soil	1.2	29.9	17.0	75	0.2	17.8	15.6	554	4.48	195.6	1.2	2.2	6.8	28	0.2	1.0	1.3	116	0.28	0.051
1174554	Soil	1.2	27.9	10.4	49	0.1	18.5	12.2	406	3.68	33.2	0.7	36.4	3.4	33	<0.1	0.7	11.3	102	0.32	0.025

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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000418.2

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
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
1174561	Soil	8	29	0.76	177	0.167	2	2.22	0.021	0.11	0.3	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
1174567	Soil	12	32	0.74	217	0.143	3	1.71	0.040	0.08	0.2	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1174563	Soil	13	35	0.66	189	0.127	2	1.89	0.028	0.10	0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
1174560	Soil	9	28	0.63	187	0.125	2	1.65	0.021	0.07	0.2	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
1174565	Soil	13	25	0.63	226	0.100	2	1.75	0.026	0.06	0.2	0.04	3.6	0.1	0.07	5	<0.5	<0.2
1174564	Soil	8	28	0.81	221	0.188	2	2.31	0.021	0.28	0.2	0.01	3.5	0.3	<0.05	7	<0.5	<0.2
1174562	Soil	10	28	0.68	210	0.138	<1	1.80	0.031	0.05	0.2	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
1174566	Soil	12	28	0.69	194	0.129	2	1.74	0.039	0.09	0.1	0.02	3.8	0.1	<0.05	5	0.7	<0.2
1174568	Soil	16	38	0.90	295	0.194	2	2.75	0.020	0.18	0.2	0.02	6.4	0.1	<0.05	8	<0.5	<0.2
1174569	Soil	16	43	0.65	184	0.141	2	2.26	0.037	0.11	0.2	0.02	5.7	<0.1	<0.05	6	<0.5	<0.2
1174570	Soil	23	19	1.38	182	0.309	<1	3.51	0.018	0.42	0.4	0.01	9.4	0.4	<0.05	13	<0.5	<0.2
1174571	Soil	24	19	1.50	188	0.319	<1	3.58	0.019	0.50	0.4	<0.01	9.7	0.4	<0.05	13	<0.5	<0.2
1174572	Soil	22	20	1.34	189	0.292	<1	3.45	0.017	0.43	0.5	0.01	9.1	0.3	<0.05	12	<0.5	<0.2
1174574	Soil	15	34	0.64	190	0.122	2	2.04	0.027	0.12	0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
1174575	Soil	11	30	0.76	143	0.112	3	1.55	0.058	0.07	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
1174573	Soil	21	36	0.79	157	0.168	1	2.48	0.030	0.07	0.1	0.02	6.8	<0.1	<0.05	8	<0.5	<0.2
1174576	Soil	16	30	0.82	249	0.175	<1	2.64	0.017	0.17	0.2	0.01	4.8	0.1	<0.05	8	<0.5	<0.2
1174578	Soil	10	29	0.58	151	0.091	2	1.54	0.031	0.05	0.1	0.02	3.3	<0.1	<0.05	4	0.7	<0.2
1174577	Soil	19	34	0.80	162	0.165	<1	2.31	0.023	0.13	0.1	<0.01	4.7	0.1	<0.05	7	<0.5	<0.2
1174580	Soil	10	30	0.59	151	0.095	<1	1.49	0.037	0.04	0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
1201380	Soil	11	33	0.99	194	0.212	<1	1.98	0.018	0.30	1.3	0.02	5.5	0.7	<0.05	7	<0.5	0.3
1174579	Soil	9	28	0.56	136	0.083	2	1.44	0.031	0.04	<0.1	0.02	3.2	<0.1	<0.05	4	0.7	<0.2
1201381	Soil	16	34	1.75	354	0.365	1	3.18	0.024	0.68	0.2	0.01	10.5	1.0	<0.05	9	<0.5	<0.2
1202284	Soil	9	39	1.18	204	0.287	<1	3.45	0.019	0.23	0.3	0.01	6.9	0.5	<0.05	9	<0.5	<0.2
1201382	Soil	9	37	1.17	217	0.299	1	2.49	0.020	0.50	0.2	<0.01	5.5	0.8	<0.05	7	0.5	<0.2
1174552	Soil	8	31	1.31	389	0.294	<1	2.80	0.022	0.50	0.2	<0.01	7.6	0.7	<0.05	9	<0.5	<0.2
1174551	Soil	11	31	1.13	237	0.233	<1	2.41	0.019	0.36	0.2	<0.01	8.1	0.6	<0.05	7	<0.5	<0.2
1202286	Soil	20	26	1.74	385	0.374	<1	3.26	0.036	0.79	<0.1	<0.01	14.8	1.3	<0.05	10	<0.5	<0.2
1174553	Soil	13	31	1.04	329	0.254	<1	2.74	0.021	0.57	1.6	<0.01	5.0	0.7	0.06	8	<0.5	<0.2
1174554	Soil	8	32	1.01	260	0.215	1	2.28	0.021	0.36	0.6	<0.01	6.4	0.7	<0.05	7	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	%	%	%
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
1174555	Soil	1.2	28.4	14.7	52	0.3	23.1	11.1	277	3.05	32.1	1.4	17.7	5.0	31	0.1	1.0	3.4	69	0.33	0.030
1174558	Soil	1.4	21.6	19.4	55	0.8	19.6	9.0	365	2.98	21.9	0.8	5.0	2.5	27	0.6	0.8	1.9	75	0.34	0.022
1174556	Soil	1.2	19.2	15.9	48	0.7	18.3	9.3	255	2.85	24.5	0.7	8.0	2.7	23	0.5	0.8	2.0	69	0.27	0.024
1174557	Soil	1.4	44.3	1001	419	5.7	12.8	14.3	485	4.40	708.4	1.3	26.1	5.1	30	10.2	133.5	1.2	109	0.53	0.061
1174559	Soil	1.4	38.4	715.1	355	4.7	13.7	13.2	451	4.10	579.8	1.0	20.6	4.5	30	7.9	106.3	1.3	105	0.47	0.051
1202333	Soil	1.1	11.9	11.4	35	<0.1	8.6	3.6	89	1.32	4.1	0.7	1.6	1.5	20	<0.1	0.2	0.2	28	0.25	0.031
1201388	Soil	2.6	23.7	15.6	58	0.1	21.1	9.6	170	2.29	16.0	2.1	16.0	6.1	41	0.2	2.9	0.4	60	0.36	0.068
1201389	Soil	1.2	14.1	13.9	38	<0.1	10.9	4.3	105	1.47	9.3	1.2	5.5	3.1	20	<0.1	0.4	0.3	44	0.23	0.041
1201386	Soil	7.5	174.7	14.5	42	0.4	10.7	10.0	136	3.08	71.6	2.7	24.1	8.3	128	0.1	14.7	0.5	77	0.23	0.070
1204432	Soil	1.6	16.4	12.7	22	0.1	7.4	2.5	61	0.97	3.3	1.6	8.6	1.2	20	<0.1	0.2	0.2	19	0.22	0.046
1201385	Soil	2.5	46.7	11.2	48	0.2	23.3	13.9	266	3.04	18.0	2.2	8.1	10.7	33	0.1	2.2	0.2	79	0.35	0.041
1201387	Soil	1.4	45.0	10.0	38	0.3	12.6	5.8	103	1.70	21.2	1.8	22.3	2.1	32	0.2	3.0	0.3	42	0.28	0.054
1201122	Soil	2.1	40.6	12.3	59	0.7	26.8	14.8	364	3.50	22.3	1.1	14.5	3.5	27	0.2	1.1	0.3	84	0.26	0.054
1201121	Soil	1.6	28.3	12.6	47	0.2	18.8	11.3	265	2.72	13.3	1.5	4.1	4.6	30	<0.1	1.1	0.3	69	0.28	0.028
1204950	Soil	3.7	24.9	76.1	79	0.4	12.5	8.2	378	2.84	118.4	1.7	11.6	5.4	37	0.7	6.6	0.4	70	0.33	0.051
1204949	Soil	2.5	27.9	25.2	48	0.2	14.2	7.6	252	2.62	30.0	1.2	8.0	4.2	35	0.2	2.0	0.5	72	0.27	0.031
1201065	Soil	2.1	33.8	28.5	56	0.7	12.3	7.6	172	2.69	17.6	1.9	38.3	4.4	36	0.3	1.5	1.8	68	0.32	0.047
1201064	Soil	2.5	20.0	26.3	45	0.2	11.2	7.2	172	2.42	14.6	1.5	43.5	4.3	35	0.2	1.3	0.6	64	0.35	0.038
1201083	Soil	1.9	21.5	19.5	45	0.2	14.6	8.4	240	2.52	14.3	1.1	21.0	3.7	35	0.2	1.1	1.4	67	0.38	0.037
1201066	Soil	1.2	22.9	14.0	53	0.2	18.7	11.2	619	2.99	24.9	0.7	6.7	3.2	40	0.5	0.8	0.6	81	0.50	0.029
1201128	Soil	1.1	25.2	15.6	51	0.2	20.2	10.9	322	3.06	17.5	1.1	25.5	3.8	46	0.2	0.8	1.8	86	0.57	0.034
1201123	Soil	1.2	16.5	16.2	48	0.2	16.8	10.0	285	2.87	16.0	0.6	4.0	3.2	33	0.2	0.7	1.3	81	0.41	0.021
1204304	Soil	1.2	19.0	13.9	46	0.2	17.6	11.4	386	2.83	11.5	1.2	6.7	3.3	34	0.3	0.8	0.7	79	0.42	0.039
1204436	Soil	1.5	23.7	18.0	53	0.3	14.5	11.9	353	2.67	14.8	2.4	26.4	4.5	53	0.5	0.8	1.0	76	0.57	0.050
1204935	Soil	1.2	18.0	15.1	46	0.2	14.3	9.9	265	2.76	12.5	0.8	3.8	3.4	33	0.2	0.7	0.9	79	0.45	0.037
1203305	Soil	0.8	20.1	10.0	41	0.1	19.1	10.1	325	2.69	9.8	0.8	1.7	3.1	39	0.2	0.6	0.3	73	0.56	0.030
1204934	Soil	0.8	20.3	14.1	47	0.2	16.3	10.2	284	2.77	12.0	1.2	13.9	3.8	44	0.2	1.3	0.6	79	0.63	0.041
1202448	Soil	0.8	32.5	11.8	53	0.2	18.6	12.0	310	2.94	27.5	3.3	3.5	4.0	57	0.2	10.4	0.7	85	1.00	0.070
1201180	Soil	1.2	23.4	17.7	54	0.2	21.9	12.1	433	3.16	17.4	1.9	9.7	3.8	44	0.2	6.6	0.6	87	0.62	0.029
1201181	Soil	1.7	31.2	20.3	59	0.2	19.5	12.7	462	3.08	22.2	6.3	2.8	5.3	55	0.3	2.9	0.8	85	0.84	0.039

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Project: WLF
Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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
MDL		ppm	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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
1174555	Soil	13	32	0.65	150	0.095	<1	1.94	0.017	0.05	0.2	0.02	3.4	0.3	<0.05	5	<0.5	<0.2
1174558	Soil	9	31	0.52	119	0.081	<1	1.93	0.013	0.04	0.1	0.01	2.8	0.2	<0.05	6	<0.5	<0.2
1174556	Soil	8	28	0.46	136	0.088	<1	1.90	0.014	0.05	0.2	0.01	2.4	0.2	<0.05	6	<0.5	<0.2
1174557	Soil	9	23	0.99	212	0.224	<1	2.24	0.017	0.40	0.2	0.02	4.5	0.6	<0.05	7	0.6	<0.2
1174559	Soil	8	24	0.93	201	0.196	<1	2.21	0.018	0.34	0.3	0.02	4.1	0.5	<0.05	7	<0.5	<0.2
1202333	Soil	5	19	0.31	52	0.072	1	0.79	0.015	0.04	0.2	0.03	1.9	0.1	<0.05	4	<0.5	<0.2
1201388	Soil	12	37	0.71	80	0.107	1	1.66	0.018	0.06	0.6	0.04	3.2	0.2	0.09	6	<0.5	<0.2
1201389	Soil	8	27	0.41	52	0.084	1	1.01	0.015	0.04	0.5	0.04	2.0	0.1	0.09	5	<0.5	<0.2
1201386	Soil	29	29	0.84	107	0.093	<1	2.17	0.033	0.17	0.2	0.02	4.5	0.4	0.17	7	0.8	<0.2
1204432	Soil	7	19	0.21	45	0.054	<1	0.68	0.014	0.03	0.3	0.04	1.5	0.1	0.12	4	<0.5	<0.2
1201385	Soil	20	42	0.74	153	0.118	<1	2.07	0.031	0.08	0.4	0.01	5.5	0.2	<0.05	6	<0.5	<0.2
1201387	Soil	10	25	0.48	82	0.095	<1	1.25	0.018	0.05	0.2	0.04	2.7	0.2	<0.05	5	0.8	<0.2
1201122	Soil	9	41	0.60	170	0.100	<1	2.50	0.019	0.04	<0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
1201121	Soil	12	35	0.64	133	0.123	<1	1.85	0.022	0.03	0.1	0.03	3.9	0.1	<0.05	5	<0.5	<0.2
1204950	Soil	11	31	0.57	112	0.116	<1	1.89	0.014	0.03	0.2	0.01	3.1	0.2	<0.05	6	<0.5	<0.2
1204949	Soil	10	30	0.55	100	0.124	<1	1.86	0.017	0.04	0.2	<0.01	3.3	0.1	<0.05	6	<0.5	<0.2
1201065	Soil	12	26	0.56	93	0.131	2	1.86	0.018	0.04	0.4	0.02	3.9	0.3	<0.05	6	<0.5	0.3
1201064	Soil	10	29	0.54	73	0.119	2	1.56	0.019	0.03	0.3	0.01	3.1	0.2	<0.05	5	<0.5	0.4
1201083	Soil	11	28	0.56	123	0.123	<1	1.77	0.022	0.04	0.2	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
1201066	Soil	9	32	0.65	202	0.145	<1	2.01	0.024	0.07	0.2	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
1201128	Soil	12	35	0.87	161	0.203	<1	2.39	0.046	0.11	0.9	0.03	3.9	0.3	<0.05	7	<0.5	<0.2
1201123	Soil	9	28	0.67	148	0.172	1	2.10	0.023	0.08	0.3	<0.01	3.0	0.2	<0.05	7	<0.5	<0.2
1204304	Soil	13	30	0.59	151	0.146	<1	1.90	0.024	0.09	0.2	0.03	3.2	0.1	<0.05	7	0.8	<0.2
1204436	Soil	18	29	0.69	147	0.156	2	2.14	0.024	0.08	0.4	0.05	4.9	0.2	0.06	6	<0.5	<0.2
1204935	Soil	11	27	0.69	145	0.196	<1	1.89	0.031	0.14	0.4	<0.01	3.2	0.2	<0.05	7	<0.5	<0.2
1203305	Soil	11	32	0.61	164	0.134	1	1.89	0.032	0.05	0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
1204934	Soil	13	29	0.72	162	0.173	1	2.02	0.038	0.08	0.3	0.02	3.7	0.1	<0.05	6	0.5	<0.2
1202448	Soil	17	30	0.81	143	0.159	2	1.86	0.044	0.18	0.4	0.03	5.5	0.2	0.08	6	<0.5	<0.2
1201180	Soil	12	38	0.72	170	0.158	2	2.29	0.037	0.07	0.2	0.03	4.6	0.1	<0.05	7	0.6	<0.2
1201181	Soil	18	32	0.80	174	0.177	2	2.30	0.040	0.10	0.3	0.04	5.1	0.2	<0.05	7	0.6	<0.2

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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	
1202498	Soil	1.9	30.7	41.4	74	0.8	17.2	10.5	477	2.40	55.5	1.6	23.1	2.9	60	0.8	4.1	1.2	70	1.26	0.066
1202499	Soil	2.2	36.6	18.7	66	0.3	25.9	18.4	709	3.95	26.4	1.7	15.8	4.6	69	0.4	3.5	2.8	105	0.75	0.061
1202500	Soil	3.7	55.3	19.3	61	0.5	33.2	17.9	507	4.03	31.5	15.0	36.7	5.3	59	0.4	4.0	4.4	105	0.79	0.037
1202493	Soil	0.8	16.2	7.4	54	<0.1	17.2	11.1	538	2.64	6.6	1.1	2.2	3.3	42	0.2	0.6	1.1	79	0.71	0.060
1204932	Soil	0.8	19.2	18.6	67	<0.1	17.1	12.9	507	3.58	12.0	0.7	3.5	6.4	38	0.2	1.2	0.4	101	0.63	0.051
1201182	Soil	2.3	25.4	27.3	47	0.3	11.8	7.4	180	2.69	22.2	1.6	18.4	5.3	39	0.2	4.1	0.6	67	0.37	0.048
1204933	Soil	0.5	21.1	21.2	76	<0.1	18.4	13.8	556	3.95	13.4	0.7	0.8	7.6	41	0.2	1.3	0.4	109	0.65	0.063
1202390	Soil	2.5	46.1	12.4	58	0.4	20.6	14.6	302	3.71	13.5	3.0	24.4	6.8	37	0.2	1.2	0.9	108	0.40	0.041
1202389	Soil	1.8	16.9	4.0	16	0.2	4.1	2.2	51	1.02	7.7	1.2	10.4	0.4	19	0.2	0.4	0.3	21	0.21	0.058
1202387	Soil	5.8	32.8	12.7	62	0.2	19.7	9.1	213	2.41	7.3	2.5	4.0	7.3	36	<0.1	0.6	0.9	66	0.52	0.060
1202388	Soil	7.3	31.1	23.1	43	0.4	11.6	5.0	161	1.51	5.3	2.6	2.8	4.9	61	0.2	0.6	1.2	41	0.48	0.044
1202391	Soil	0.9	23.9	9.0	52	0.1	20.9	13.7	283	3.39	11.2	0.8	8.7	4.8	26	0.2	0.5	0.5	93	0.30	0.038
1202392	Soil	2.9	69.6	18.3	58	<0.1	11.0	15.6	294	5.25	63.8	0.8	22.5	5.2	59	0.2	2.1	1.0	149	0.23	0.029
1202393	Soil	1.1	54.4	11.6	51	0.1	14.5	13.6	335	4.32	20.0	0.9	22.6	5.3	27	<0.1	0.6	1.5	139	0.23	0.029
1202394	Soil	0.6	38.4	5.9	37	0.2	16.1	8.2	177	2.16	7.9	0.9	20.1	3.0	21	<0.1	0.5	0.6	58	0.32	0.060
1202395	Soil	0.6	29.2	7.5	36	0.1	15.5	7.9	184	2.41	9.2	0.9	15.5	3.2	26	0.1	0.8	0.6	62	0.29	0.048
1202396	Soil	1.0	22.0	7.5	34	0.1	12.7	7.3	156	2.23	8.7	0.8	9.7	2.6	21	0.1	0.5	0.4	59	0.25	0.042
1202397	Soil	1.0	22.5	8.3	35	0.3	12.4	9.1	226	2.17	9.1	1.0	13.0	2.4	21	0.2	0.5	0.4	60	0.25	0.062
1202398	Soil	1.6	40.0	47.3	61	1.5	14.9	12.2	407	2.34	200.7	3.2	71.9	3.2	35	2.0	6.1	1.2	53	0.41	0.060
1202399	Soil	1.9	31.9	41.1	68	0.8	13.7	18.8	978	2.57	115.9	2.0	31.8	2.8	30	0.9	4.7	0.6	63	0.36	0.067
1202083	Soil	0.6	14.5	14.4	29	0.2	7.3	2.7	75	0.98	3.5	1.3	<0.5	1.0	16	0.1	0.3	0.8	20	0.20	0.038
1202084	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.
1202085	Soil	0.7	20.1	6.2	14	0.2	5.1	2.1	41	0.65	3.3	1.3	17.6	<0.1	24	0.2	0.2	0.2	8	0.33	0.073
1202086	Soil	2.5	56.4	13.1	31	0.4	10.1	5.0	81	2.08	20.9	4.1	37.7	2.2	27	0.2	0.6	0.8	61	0.19	0.054
1202087	Soil	3.7	31.7	12.5	55	0.2	16.4	12.6	444	2.86	12.4	2.0	7.6	9.5	46	0.1	0.8	0.7	79	0.33	0.070
1202088	Soil	1.8	50.0	12.9	25	<0.1	8.3	6.8	88	1.85	19.4	1.6	9.3	6.1	21	<0.1	1.0	0.3	60	0.11	0.026
1166480	Soil	1.0	59.2	10.2	19	<0.1	7.3	5.3	83	2.70	11.6	1.9	7.5	6.4	18	<0.1	0.7	0.5	73	0.08	0.044
1166481	Soil	1.0	45.8	14.1	22	<0.1	3.9	5.1	110	1.73	17.8	2.2	32.4	8.3	30	<0.1	3.4	0.3	52	0.23	0.064
1166482	Soil	1.1	54.4	16.5	24	<0.1	4.3	5.9	112	1.89	16.0	2.3	33.1	9.2	29	<0.1	2.9	0.3	56	0.24	0.062
1166483	Soil	1.2	26.0	13.6	30	0.1	10.9	6.6	129	2.01	14.7	1.5	23.5	4.8	20	0.1	5.7	0.3	52	0.22	0.033

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 Report Date: January 04, 2012

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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	
1202498	Soil	11	29	0.67	148	0.129	2	1.49	0.040	0.09	1.3	0.02	3.8	0.2	0.10	5	<0.5	<0.2
1202499	Soil	11	47	1.21	288	0.211	2	2.86	0.041	0.22	0.4	0.03	6.0	0.3	<0.05	8	<0.5	<0.2
1202500	Soil	17	65	1.17	318	0.224	2	2.69	0.036	0.20	0.6	0.02	5.8	0.4	0.06	8	<0.5	<0.2
1202493	Soil	12	29	0.69	220	0.121	1	1.75	0.034	0.07	0.2	0.03	5.0	0.1	0.07	6	<0.5	<0.2
1204932	Soil	9	31	0.90	234	0.230	2	2.46	0.037	0.28	0.2	0.01	3.8	0.2	<0.05	8	<0.5	<0.2
1201182	Soil	13	30	0.59	95	0.140	1	1.95	0.019	0.04	0.3	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
1204933	Soil	10	32	0.96	255	0.234	<1	2.54	0.035	0.31	0.2	0.01	4.3	0.2	<0.05	9	<0.5	<0.2
1202390	Soil	15	37	0.98	193	0.242	2	2.48	0.024	0.19	0.3	0.05	7.8	0.4	<0.05	8	0.5	<0.2
1202389	Soil	4	13	0.12	56	0.044	2	0.50	0.020	0.04	0.1	0.05	1.8	0.1	0.13	2	<0.5	<0.2
1202387	Soil	12	39	0.79	122	0.191	1	1.82	0.024	0.09	0.7	0.04	4.3	0.2	<0.05	7	0.6	<0.2
1202388	Soil	7	25	0.48	86	0.103	<1	1.12	0.020	0.06	0.7	0.04	3.2	0.2	0.09	6	0.7	<0.2
1202391	Soil	9	36	0.82	157	0.188	1	2.54	0.020	0.10	0.3	0.02	4.3	0.3	<0.05	7	<0.5	<0.2
1202392	Soil	6	25	1.44	250	0.276	2	3.41	0.023	0.46	0.1	<0.01	11.4	1.0	<0.05	9	<0.5	0.6
1202393	Soil	8	30	1.27	175	0.290	2	2.37	0.019	0.59	1.4	<0.01	7.1	1.1	<0.05	8	<0.5	0.6
1202394	Soil	8	26	0.59	113	0.106	<1	1.38	0.014	0.07	0.2	0.01	3.0	0.2	<0.05	4	<0.5	<0.2
1202395	Soil	9	25	0.59	138	0.113	1	1.44	0.016	0.11	0.2	0.01	3.4	0.2	<0.05	4	<0.5	<0.2
1202396	Soil	7	24	0.49	109	0.100	2	1.32	0.015	0.05	0.2	<0.01	2.7	0.1	<0.05	5	<0.5	<0.2
1202397	Soil	8	25	0.50	106	0.105	2	1.30	0.013	0.05	0.2	0.02	2.9	0.2	<0.05	4	<0.5	0.3
1202398	Soil	18	22	0.47	113	0.073	2	1.59	0.012	0.06	0.2	0.04	3.6	0.2	<0.05	5	<0.5	<0.2
1202399	Soil	13	27	0.58	111	0.094	2	1.61	0.012	0.08	0.2	0.03	3.3	0.3	<0.05	5	<0.5	<0.2
1202083	Soil	5	18	0.24	48	0.064	<1	0.75	0.013	0.04	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1202084	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.
1202085	Soil	4	15	0.10	61	0.028	2	0.45	0.012	0.04	0.2	0.05	1.0	0.1	0.10	2	0.8	0.3
1202086	Soil	14	27	0.56	92	0.115	2	1.26	0.018	0.11	0.3	0.02	3.6	0.3	<0.05	4	<0.5	0.3
1202087	Soil	11	32	0.69	87	0.143	2	1.46	0.018	0.12	0.9	<0.01	3.4	0.2	<0.05	6	<0.5	<0.2
1202088	Soil	16	28	0.71	125	0.151	<1	1.50	0.009	0.27	0.1	<0.01	4.6	0.4	<0.05	4	<0.5	<0.2
1166480	Soil	10	34	0.73	98	0.187	1	1.42	0.010	0.21	1.1	<0.01	3.0	0.3	<0.05	5	<0.5	0.4
1166481	Soil	20	23	0.64	97	0.110	<1	1.03	0.010	0.21	<0.1	<0.01	3.4	0.3	<0.05	3	<0.5	0.4
1166482	Soil	24	24	0.68	103	0.123	<1	1.03	0.009	0.22	<0.1	<0.01	4.2	0.3	<0.05	4	<0.5	0.3
1166483	Soil	11	26	0.58	80	0.120	2	1.22	0.013	0.05	0.1	<0.01	3.1	0.2	<0.05	4	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	
1166484	Soil	1.2	27.1	15.2	37	0.2	8.3	5.4	136	2.14	157.9	1.5	24.7	4.9	22	0.2	7.1	0.3	49	0.23	0.043
1166485	Soil	1.9	21.5	64.2	69	0.4	13.0	8.5	197	2.62	97.5	1.3	33.7	4.6	25	0.5	5.1	0.4	65	0.24	0.056
1166486	Soil	1.3	32.8	23.6	62	0.2	12.6	7.8	279	3.55	48.8	2.7	44.1	6.7	55	0.2	4.8	1.5	104	0.69	0.070
1201285	Soil	0.6	14.5	11.5	55	0.1	15.1	9.0	387	2.03	8.0	0.7	3.3	1.8	31	0.3	1.7	0.6	57	0.54	0.057
1201287	Soil	0.6	16.0	14.3	48	0.2	14.2	7.2	252	1.84	7.8	0.6	2.8	1.6	28	0.2	1.5	0.6	53	0.47	0.051
1201460	Soil	0.5	15.1	12.7	53	0.2	14.6	8.3	310	1.97	7.9	0.6	7.4	1.8	29	0.2	1.5	0.8	56	0.55	0.051
1201286	Soil	0.6	16.3	14.5	54	0.2	15.6	8.1	312	1.97	7.9	0.6	4.8	1.6	30	0.2	1.5	0.5	57	0.56	0.056
1201284	Soil	0.6	21.4	7.3	42	<0.1	17.1	8.9	327	2.33	11.7	0.8	2.3	2.6	48	<0.1	0.6	0.2	59	0.78	0.051
1201349	Soil	0.9	16.7	11.4	53	0.1	15.7	11.3	346	3.30	16.9	0.5	72.1	3.3	26	0.2	0.6	0.7	94	0.39	0.038
1201350	Soil	0.9	16.5	11.4	53	<0.1	15.2	11.9	357	3.33	17.1	0.6	6.3	3.5	27	0.2	0.6	0.6	99	0.38	0.039
1202400	Soil	1.8	27.7	33.3	65	0.9	12.9	8.2	274	2.56	100.9	2.1	25.7	3.8	37	0.6	3.2	0.8	67	0.46	0.047
1202292	Soil	0.6	19.2	8.1	41	<0.1	20.8	9.4	274	2.67	12.2	0.6	1.6	5.7	21	<0.1	0.5	0.2	72	0.27	0.040
1201283	Soil	0.5	19.9	10.2	39	<0.1	17.3	9.6	369	2.50	12.6	0.6	3.3	3.6	36	0.1	0.6	0.3	65	0.57	0.040
1202198	Soil	0.5	18.5	7.7	37	<0.1	19.2	8.4	260	2.40	7.1	0.5	1.3	2.6	31	<0.1	0.4	0.2	67	0.45	0.033
1201346	Soil	0.4	21.8	7.0	43	<0.1	19.0	8.8	326	2.34	6.5	0.5	3.4	3.0	36	0.2	0.4	0.2	61	0.58	0.057
1203306	Soil	1.2	24.3	19.7	52	0.4	12.9	9.4	321	2.46	30.9	1.9	19.8	3.6	33	0.4	0.6	1.4	67	0.42	0.050
1201347	Soil	0.4	25.1	7.8	41	<0.1	19.6	9.0	387	2.28	7.7	0.6	8.6	2.5	37	<0.1	0.4	0.3	60	0.57	0.052
1201348	Soil	1.2	24.7	10.0	43	0.4	14.4	11.3	727	2.29	19.6	1.6	5.8	2.6	36	0.4	0.5	0.6	61	0.50	0.044
1201345	Soil	0.5	20.5	14.1	72	<0.1	14.0	13.7	729	3.78	23.4	1.7	3.2	9.1	39	0.2	1.0	0.2	102	0.73	0.090
1203307	Soil	0.5	20.9	13.3	69	<0.1	15.0	13.4	760	3.71	20.9	1.6	1.2	7.5	39	0.1	1.1	0.3	96	0.69	0.081
1204433	Soil	0.8	13.3	22.4	62	0.1	16.5	11.0	677	2.85	12.6	0.4	4.2	3.4	33	0.3	0.9	0.3	70	0.38	0.041
1204435	Soil	0.6	16.2	11.1	53	<0.1	15.5	9.9	339	3.12	14.8	0.8	1.3	5.3	35	0.1	1.0	0.2	80	0.53	0.037
1204434	Soil	0.6	16.2	11.0	58	<0.1	16.1	10.5	345	3.19	15.0	0.9	1.0	5.8	35	<0.1	1.0	0.2	80	0.51	0.034
1202196	Soil	0.5	29.6	8.0	53	0.1	24.5	11.9	496	2.74	8.6	0.8	10.9	3.9	44	0.2	0.7	0.1	69	0.60	0.053
1202197	Soil	0.5	25.4	8.2	48	0.1	23.5	11.4	504	2.82	9.1	0.6	1.6	2.8	46	0.3	0.6	0.2	68	0.75	0.041
1166488	Soil	1.6	21.0	16.2	53	0.1	16.4	10.9	295	3.02	13.6	1.0	17.5	3.9	31	0.2	1.2	0.8	78	0.37	0.044
1166487	Soil	0.8	30.3	23.1	76	0.1	13.5	12.2	483	3.99	48.7	2.0	9.3	8.6	47	0.3	1.9	2.1	102	0.68	0.064
1166489	Soil	2.1	35.1	26.5	58	0.5	15.9	11.1	382	2.74	21.2	2.5	28.3	4.3	39	0.7	1.1	1.6	64	0.43	0.064
1166490	Soil	1.1	24.9	13.4	57	0.2	14.6	11.6	377	3.30	38.8	1.5	16.5	4.8	38	0.2	0.8	0.9	87	0.52	0.043
1166491	Soil	0.9	16.9	13.6	50	0.1	13.9	8.4	265	2.73	28.9	0.5	4.3	2.8	34	0.2	0.6	0.7	71	0.43	0.033

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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
1166484	Soil	13	24	0.48	71	0.071	1	1.23	0.011	0.04	0.1	0.01	2.7	0.2	<0.05	4	<0.5	<0.2
1166485	Soil	9	28	0.59	96	0.108	<1	1.75	0.013	0.06	0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
1166486	Soil	15	22	0.83	207	0.153	<1	2.28	0.037	0.32	0.2	0.02	7.6	0.7	<0.05	7	<0.5	0.5
1201285	Soil	9	25	0.49	125	0.074	2	1.24	0.021	0.04	0.2	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
1201287	Soil	7	23	0.47	125	0.073	<1	1.19	0.020	0.03	0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1201460	Soil	8	25	0.50	123	0.083	1	1.25	0.023	0.04	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1201286	Soil	8	25	0.48	127	0.084	1	1.26	0.022	0.04	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1201284	Soil	10	24	0.54	153	0.100	1	1.43	0.031	0.06	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
1201349	Soil	6	27	0.68	164	0.182	1	1.98	0.015	0.25	0.3	0.01	3.1	0.3	<0.05	6	<0.5	<0.2
1201350	Soil	7	28	0.74	174	0.188	1	1.90	0.014	0.25	0.3	0.02	3.2	0.3	<0.05	6	<0.5	<0.2
1202400	Soil	16	25	0.59	166	0.122	2	1.74	0.018	0.08	0.2	0.03	3.8	0.3	<0.05	6	<0.5	0.2
1202292	Soil	11	33	0.55	123	0.115	2	1.73	0.013	0.06	0.1	<0.01	3.6	<0.1	<0.05	5	0.5	<0.2
1201283	Soil	10	28	0.54	151	0.112	<1	1.56	0.027	0.07	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
1202198	Soil	10	31	0.53	135	0.099	1	1.54	0.026	0.03	0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
1201346	Soil	10	28	0.59	168	0.113	2	1.47	0.029	0.06	0.1	0.02	3.3	<0.1	<0.05	4	0.5	<0.2
1203306	Soil	12	23	0.56	179	0.122	1	1.58	0.016	0.07	0.4	0.02	3.4	0.1	<0.05	5	0.6	<0.2
1201347	Soil	10	28	0.55	182	0.105	2	1.45	0.029	0.04	0.3	0.02	3.3	<0.1	<0.05	4	0.6	<0.2
1201348	Soil	13	21	0.52	215	0.118	1	1.53	0.021	0.11	0.3	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
1201345	Soil	14	24	0.93	318	0.227	1	2.08	0.027	0.45	0.4	0.01	4.9	0.2	<0.05	8	<0.5	<0.2
1203307	Soil	14	24	0.78	322	0.229	1	1.93	0.026	0.38	0.4	0.01	4.8	0.2	<0.05	7	<0.5	<0.2
1204433	Soil	7	27	0.56	253	0.122	<1	1.99	0.018	0.07	0.2	0.01	3.1	<0.1	<0.05	7	<0.5	<0.2
1204435	Soil	13	28	0.67	191	0.184	1	2.00	0.020	0.16	0.2	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
1204434	Soil	15	28	0.68	196	0.188	<1	1.84	0.020	0.17	0.2	<0.01	4.3	0.1	<0.05	6	<0.5	<0.2
1202196	Soil	14	29	0.65	256	0.124	1	1.71	0.041	0.09	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
1202197	Soil	11	31	0.58	237	0.118	2	1.77	0.042	0.08	0.1	<0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
1166488	Soil	10	32	0.69	131	0.157	1	1.99	0.014	0.12	0.3	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
1166487	Soil	18	26	0.99	275	0.212	<1	2.49	0.025	0.37	0.1	0.01	7.2	0.7	<0.05	8	<0.5	0.2
1166489	Soil	14	26	0.51	157	0.103	<1	1.72	0.016	0.07	0.4	0.02	3.8	0.2	<0.05	5	<0.5	0.3
1166490	Soil	16	27	0.82	313	0.210	<1	2.08	0.024	0.18	0.3	0.01	4.4	0.2	<0.05	7	<0.5	<0.2
1166491	Soil	8	26	0.60	175	0.143	<1	1.78	0.021	0.06	0.2	<0.01	2.8	<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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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
1166492	Soil	0.6	23.2	22.7	69	0.1	13.3	12.5	458	3.42	16.1	0.9	11.7	4.4	46	0.3	1.3	0.8	93	0.67	0.055
1166493	Soil	0.5	26.6	24.3	67	<0.1	17.3	14.5	496	4.06	18.1	0.8	1.6	8.7	44	0.4	2.1	0.7	115	0.80	0.060
1166494	Soil	0.7	18.0	10.4	46	<0.1	15.8	9.2	398	2.67	9.6	0.4	3.5	2.8	32	0.1	0.5	0.5	69	0.46	0.032
1166495	Soil	0.6	17.9	17.9	84	<0.1	12.5	12.9	523	4.08	10.1	0.8	9.8	6.2	44	0.2	1.1	0.4	107	0.67	0.068
1166496	Soil	0.6	25.6	24.0	118	<0.1	7.2	14.3	721	4.85	24.7	1.6	2.7	14.3	39	0.3	2.2	0.5	120	0.82	0.122
1166497	Soil	0.6	23.3	23.1	111	0.1	7.3	14.2	717	4.59	22.8	1.5	4.0	14.3	41	0.3	2.0	0.9	117	0.80	0.116
1166498	Soil	1.4	21.2	18.7	57	0.3	13.2	14.2	924	3.19	19.7	1.7	13.5	5.0	49	0.3	1.7	1.3	89	0.78	0.067
1166499	Soil	0.4	20.7	13.1	65	0.1	14.3	10.0	355	3.05	12.1	0.7	4.3	4.4	51	0.2	1.1	0.4	82	0.81	0.083
1166500	Soil	0.4	28.2	9.5	49	<0.1	21.4	9.0	324	2.68	7.6	0.4	2.3	3.2	46	0.2	0.6	0.2	66	0.70	0.062
1202132	Soil	0.6	26.9	12.7	48	0.1	18.7	11.2	396	2.93	11.1	0.9	1.7	3.6	50	0.1	1.2	0.4	76	0.69	0.041
1202133	Soil	0.6	17.4	13.1	53	0.1	15.6	10.7	321	3.01	13.4	0.7	3.0	4.5	43	0.1	2.7	0.5	73	0.61	0.042
1202134	Soil	0.8	19.5	14.2	54	0.1	17.3	11.0	399	3.10	14.8	0.8	1.7	4.9	49	0.2	2.4	0.7	77	0.68	0.042
1202135	Soil	1.4	45.5	28.8	58	0.8	15.8	9.6	501	2.43	47.2	5.3	17.5	3.4	67	0.6	7.4	0.8	60	1.26	0.051
1202136	Soil	0.5	18.1	18.6	70	0.3	15.8	9.5	340	2.26	8.6	0.8	4.2	2.2	36	0.6	1.3	0.7	61	0.59	0.059
1202137	Soil	0.5	15.3	18.2	65	0.3	14.4	8.9	327	2.24	8.5	0.7	60.6	2.4	34	0.4	1.1	1.1	58	0.56	0.062



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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	
1166492	Soil	12	27	0.90	407	0.263	<1	2.24	0.040	0.48	0.4	0.02	4.4	0.5	<0.05	7	<0.5	<0.2
1166493	Soil	19	30	1.00	294	0.276	2	2.43	0.043	0.37	0.2	<0.01	5.9	0.4	<0.05	9	<0.5	<0.2
1166494	Soil	8	30	0.60	181	0.145	1	1.82	0.023	0.08	0.3	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1166495	Soil	12	25	1.03	356	0.266	<1	2.44	0.036	0.42	0.4	0.01	4.2	0.4	<0.05	8	<0.5	<0.2
1166496	Soil	19	18	1.27	476	0.304	<1	2.93	0.035	1.14	0.4	<0.01	5.0	0.6	<0.05	11	<0.5	<0.2
1166497	Soil	18	17	1.19	444	0.278	1	2.84	0.032	1.04	0.4	0.01	4.6	0.6	<0.05	10	<0.5	<0.2
1166498	Soil	15	24	0.66	186	0.156	2	1.89	0.025	0.20	0.9	0.02	4.4	0.2	<0.05	6	<0.5	<0.2
1166499	Soil	12	25	0.67	188	0.166	1	1.81	0.045	0.26	0.3	0.02	4.5	0.2	<0.05	6	<0.5	<0.2
1166500	Soil	12	30	0.68	174	0.125	1	1.77	0.053	0.06	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
1202132	Soil	13	31	0.64	187	0.146	1	1.95	0.048	0.06	0.2	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
1202133	Soil	13	27	0.67	171	0.143	1	2.03	0.035	0.12	0.4	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
1202134	Soil	11	28	0.75	171	0.153	1	2.06	0.041	0.11	0.3	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
1202135	Soil	31	23	0.61	118	0.098	2	1.68	0.027	0.12	0.4	0.07	4.8	0.2	<0.05	5	<0.5	<0.2
1202136	Soil	11	26	0.56	165	0.094	1	1.60	0.026	0.05	0.1	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
1202137	Soil	10	25	0.56	153	0.108	2	1.53	0.027	0.06	0.2	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2



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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	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																					
1174568	Soil	0.6	21.6	16.4	70	0.2	24.4	15.2	628	4.15	18.4	0.8	<0.5	8.9	34	0.2	2.3	0.7	100	0.57	0.052
REP 1174568	QC	0.6	21.2	16.1	70	0.1	24.5	14.1	612	3.95	16.9	0.8	<0.5	8.9	32	0.1	2.2	0.8	90	0.53	0.053
1202284	Soil	1.6	34.1	11.2	65	<0.1	21.7	18.3	557	4.75	28.1	0.9	0.5	6.5	54	0.1	1.4	0.6	134	0.23	0.023
REP 1202284	QC	1.5	33.7	11.3	65	<0.1	21.6	17.9	536	4.66	27.0	0.9	0.6	7.0	54	0.2	1.4	0.6	134	0.24	0.023
1204304	Soil	1.2	19.0	13.9	46	0.2	17.6	11.4	386	2.83	11.5	1.2	6.7	3.3	34	0.3	0.8	0.7	79	0.42	0.039
REP 1204304	QC	1.3	19.5	13.9	45	0.2	17.9	10.9	381	2.71	11.8	1.1	6.2	3.3	33	0.3	0.7	0.6	82	0.42	0.041
1202387	Soil	5.8	32.8	12.7	62	0.2	19.7	9.1	213	2.41	7.3	2.5	4.0	7.3	36	<0.1	0.6	0.9	66	0.52	0.060
REP 1202387	QC	5.6	32.0	12.9	61	0.2	18.5	9.1	215	2.42	7.5	2.3	13.1	6.8	36	0.1	0.7	0.9	66	0.51	0.056
1166483	Soil	1.2	26.0	13.6	30	0.1	10.9	6.6	129	2.01	14.7	1.5	23.5	4.8	20	0.1	5.7	0.3	52	0.22	0.033
REP 1166483	QC	1.4	25.2	14.3	31	0.1	10.8	6.3	129	1.97	15.2	1.5	27.7	4.9	20	<0.1	5.6	0.3	50	0.21	0.033
1166485	Soil	1.9	21.5	64.2	69	0.4	13.0	8.5	197	2.62	97.5	1.3	33.7	4.6	25	0.5	5.1	0.4	65	0.24	0.056
REP 1166485	QC	1.8	20.6	64.4	66	0.4	12.5	8.7	205	2.72	97.2	1.3	30.5	4.4	26	0.5	5.4	0.4	67	0.24	0.056
1166488	Soil	1.6	21.0	16.2	53	0.1	16.4	10.9	295	3.02	13.6	1.0	17.5	3.9	31	0.2	1.2	0.8	78	0.37	0.044
REP 1166488	QC	1.5	19.9	16.2	49	0.2	15.9	10.4	278	2.93	13.4	1.0	17.0	3.9	30	0.3	1.2	0.7	74	0.36	0.043
Reference Materials																					
STD DS8	Standard	13.4	106.7	124.0	299	1.8	36.7	7.8	586	2.29	24.2	2.6	130.6	6.7	71	2.2	5.8	7.2	41	0.67	0.073
STD DS8	Standard	13.0	108.1	121.0	300	1.7	37.3	7.7	610	2.48	25.1	2.7	86.3	6.6	65	2.3	5.6	6.5	42	0.69	0.079
STD DS8	Standard	11.4	98.8	113.4	280	1.6	34.4	7.2	561	2.21	22.5	2.3	102.0	5.8	58	2.1	4.8	6.0	37	0.64	0.072
STD DS8	Standard	14.0	107.9	123.3	314	1.9	37.7	7.6	607	2.51	26.5	2.7	113.2	6.7	69	2.5	5.7	6.4	44	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



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QUALITY CONTROL REPORT

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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	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1174568	Soil	16	38	0.90	295	0.194	2	2.75	0.020	0.18	0.2	0.02	6.4	0.1	<0.05	8	<0.5	<0.2
REP 1174568	QC	15	35	0.88	285	0.180	1	2.70	0.020	0.18	0.2	0.02	6.1	0.1	<0.05	8	<0.5	<0.2
1202284	Soil	9	39	1.18	204	0.287	<1	3.45	0.019	0.23	0.3	0.01	6.9	0.5	<0.05	9	<0.5	<0.2
REP 1202284	QC	9	38	1.15	196	0.279	2	3.36	0.020	0.23	0.2	0.01	7.1	0.4	<0.05	9	<0.5	<0.2
1204304	Soil	13	30	0.59	151	0.146	<1	1.90	0.024	0.09	0.2	0.03	3.2	0.1	<0.05	7	0.8	<0.2
REP 1204304	QC	13	31	0.58	148	0.142	2	1.91	0.024	0.09	0.2	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
1202387	Soil	12	39	0.79	122	0.191	1	1.82	0.024	0.09	0.7	0.04	4.3	0.2	<0.05	7	0.6	<0.2
REP 1202387	QC	12	39	0.79	122	0.190	1	1.75	0.024	0.09	0.8	0.03	4.3	0.2	0.06	7	1.3	<0.2
1166483	Soil	11	26	0.58	80	0.120	2	1.22	0.013	0.05	0.1	<0.01	3.1	0.2	<0.05	4	<0.5	<0.2
REP 1166483	QC	11	25	0.53	81	0.116	<1	1.17	0.012	0.05	0.2	<0.01	3.1	0.2	<0.05	4	<0.5	<0.2
1166485	Soil	9	28	0.59	96	0.108	<1	1.75	0.013	0.06	0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
REP 1166485	QC	9	29	0.56	96	0.108	1	1.66	0.012	0.06	0.2	<0.01	2.8	0.2	<0.05	6	<0.5	<0.2
1166488	Soil	10	32	0.69	131	0.157	1	1.99	0.014	0.12	0.3	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
REP 1166488	QC	10	31	0.68	128	0.152	1	2.00	0.015	0.11	0.2	0.01	3.2	0.2	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	16	113	0.62	269	0.116	3	0.92	0.101	0.40	2.8	0.19	2.6	5.3	0.16	5	5.8	4.6
STD DS8	Standard	15	113	0.61	274	0.118	4	0.91	0.087	0.41	2.8	0.19	2.1	5.4	0.16	5	4.7	5.0
STD DS8	Standard	12	107	0.56	247	0.101	2	0.81	0.075	0.37	2.6	0.19	1.8	4.8	0.13	4	4.4	4.7
STD DS8	Standard	16	119	0.64	289	0.122	3	0.98	0.099	0.45	3.0	0.19	2.9	5.5	0.15	5	4.6	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



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Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 08, 2011
Report Date: January 04, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

DAW11000421.3

CLIENT JOB INFORMATION

Project: WLF
Shipment ID: WLF2011-01
P.O. Number
Number of Samples: 129

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: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

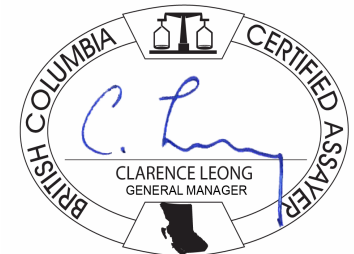
CC: Peter Tallman

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000421.3

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	
1204275	Soil	0.9	25.8	20.8	53	0.2	21.6	9.9	249	2.66	7.9	0.9	1.7	3.2	23	0.2	0.4	0.2	66	0.38	0.043
1204256	Soil	2.8	13.1	23.8	49	0.3	13.1	8.1	364	2.37	8.4	0.4	2.8	1.6	15	0.6	0.4	0.3	66	0.21	0.044
1204258	Soil	3.4	21.8	22.6	66	0.3	18.5	9.4	506	2.38	10.0	0.6	4.2	2.7	26	0.6	0.5	0.4	64	0.37	0.059
1204257	Soil	2.3	12.0	15.1	38	0.4	10.8	5.5	454	1.18	4.7	0.4	5.0	1.0	18	0.3	0.2	0.3	43	0.22	0.035
1204274	Soil	0.6	20.7	18.7	56	0.1	22.5	12.0	354	3.13	9.0	0.6	1.5	4.4	26	0.3	0.4	0.3	86	0.38	0.033
1204273	Soil	1.5	17.2	13.2	123	0.4	18.4	14.3	1439	3.05	6.7	0.3	1.7	1.3	26	2.1	0.5	0.2	76	0.39	0.060
1204259	Soil	3.9	22.3	28.6	64	0.1	21.7	10.6	463	2.62	8.9	0.7	8.6	4.7	29	0.4	0.6	0.5	75	0.46	0.035
1204260	Soil	6.6	25.3	22.9	69	0.3	21.6	11.0	395	2.87	12.3	1.0	3.1	4.5	26	0.3	0.6	0.5	78	0.43	0.022
1204252	Soil	4.2	18.5	16.9	67	0.2	17.9	10.1	437	2.97	14.5	0.4	2.0	3.0	26	0.3	0.6	0.6	86	0.42	0.035
1204251	Soil	2.5	25.9	24.2	75	0.1	21.8	11.7	442	3.15	18.0	0.7	2.2	5.1	30	0.2	0.8	0.7	85	0.46	0.031
1204193	Soil	10.0	23.7	24.0	69	0.7	17.3	10.4	665	2.68	11.8	1.1	56.3	5.5	30	2.1	1.2	0.4	71	0.56	0.071
1204254	Soil	8.0	18.8	14.7	53	0.2	18.2	10.9	535	2.87	13.8	0.6	3.5	3.1	27	0.2	0.5	0.4	81	0.36	0.024
1204244	Soil	0.5	18.7	12.5	55	0.1	20.1	9.5	338	2.68	14.0	0.6	6.6	2.4	27	0.2	2.1	0.2	70	0.40	0.057
1204272	Soil	1.7	67.9	21.4	95	0.5	20.1	8.4	388	2.31	18.3	2.2	3.6	1.3	34	0.8	1.4	0.3	58	0.77	0.086
1204250	Soil	1.5	31.6	31.5	75	0.9	14.5	9.0	888	2.15	22.8	1.1	3.6	1.7	29	2.5	1.9	0.5	56	0.45	0.047
1204248	Soil	1.0	9.0	14.1	41	0.3	6.3	4.2	236	1.03	17.4	0.3	3.7	0.3	27	1.2	0.8	0.2	33	0.28	0.033
1204246	Soil	1.1	22.4	53.5	88	0.3	19.8	9.3	330	2.83	20.1	0.8	3.1	2.3	26	1.0	2.1	0.3	70	0.30	0.046
1204245	Soil	0.8	20.8	17.6	51	0.2	18.2	8.8	228	2.72	12.2	0.6	4.4	2.7	21	0.3	2.0	0.3	71	0.27	0.030
1204255	Soil	6.1	20.7	21.7	60	0.4	19.9	9.6	269	2.87	12.1	1.7	5.0	7.9	28	0.3	1.0	0.6	72	0.40	0.031
1204191	Soil	20.6	21.7	29.2	56	1.0	16.0	14.2	920	2.65	9.5	1.7	2.2	5.0	27	1.0	0.8	0.3	69	0.40	0.043
1204242	Soil	0.5	21.7	14.0	52	0.1	20.2	8.2	220	2.44	10.9	0.7	6.4	2.4	32	0.2	1.1	0.2	62	0.44	0.062
1204196	Soil	4.9	27.2	51.2	75	1.5	19.7	9.4	303	2.78	19.4	1.7	5.5	13.8	58	1.0	4.7	0.4	69	0.51	0.060
1204271	Soil	0.8	44.6	41.4	94	0.3	17.5	9.3	409	2.69	24.4	1.1	6.3	4.2	31	0.7	1.6	0.6	73	0.47	0.040
1204249	Soil	0.8	28.0	35.7	70	0.4	20.8	10.6	437	2.85	35.0	0.9	9.2	3.6	29	0.6	2.9	0.5	77	0.39	0.038
1204241	Soil	1.7	11.3	14.9	32	0.4	9.5	5.4	248	2.46	8.7	0.3	4.0	0.9	19	0.5	0.5	0.2	66	0.23	0.032
1204247	Soil	1.1	16.1	28.6	60	0.3	15.2	7.6	224	2.33	22.1	0.5	2.7	2.0	24	0.6	3.1	0.2	58	0.30	0.049
1204194	Soil	12.2	21.6	24.3	57	0.7	18.9	8.8	279	3.04	13.1	1.6	4.4	7.8	22	0.7	1.1	0.4	81	0.32	0.033
1204197	Soil	2.2	32.0	21.5	55	0.4	24.0	11.0	479	3.74	16.1	3.1	3.0	30.2	43	0.4	2.3	0.8	80	0.49	0.081
1204195	Soil	4.9	27.0	52.1	76	1.4	19.6	9.2	261	2.89	19.1	1.7	2.8	15.3	60	0.8	4.5	0.3	69	0.51	0.065
1204192	Soil	8.1	17.6	18.4	53	0.4	13.8	6.8	213	2.22	7.3	1.1	<0.5	5.2	20	0.5	0.7	0.3	58	0.28	0.034

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Project: WLF
 Report Date: January 04, 2012

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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	0.1	0.05	1	0.5	0.2
1204275	Soil	10	29	0.67	149	0.117	2	1.82	0.016	0.05	0.5	0.02	3.7	0.1	<0.05	5	<0.5	<0.2
1204256	Soil	5	26	0.36	102	0.115	1	1.44	0.011	0.05	0.5	0.03	2.7	0.2	<0.05	7	<0.5	<0.2
1204258	Soil	8	29	0.41	133	0.105	1	1.64	0.016	0.07	0.6	0.03	3.0	0.1	<0.05	6	0.6	<0.2
1204257	Soil	5	18	0.26	100	0.075	<1	0.99	0.013	0.05	0.5	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
1204274	Soil	11	37	0.77	139	0.154	2	2.22	0.021	0.08	0.3	0.02	4.4	0.2	<0.05	6	0.7	<0.2
1204273	Soil	5	30	0.37	179	0.079	2	1.71	0.014	0.06	<0.1	0.02	2.9	0.1	<0.05	6	0.6	<0.2
1204259	Soil	9	42	0.67	133	0.151	1	1.83	0.020	0.06	0.3	0.02	3.9	0.2	<0.05	5	0.6	<0.2
1204260	Soil	9	37	0.65	147	0.131	1	1.92	0.016	0.06	0.2	0.01	4.0	0.1	<0.05	6	0.5	<0.2
1204252	Soil	8	29	0.74	164	0.173	1	1.80	0.017	0.09	0.3	0.01	3.7	0.1	<0.05	6	0.5	<0.2
1204251	Soil	9	33	0.81	156	0.186	<1	1.98	0.018	0.07	0.3	<0.01	4.6	0.2	<0.05	6	0.9	<0.2
1204193	Soil	9	29	0.55	182	0.118	2	1.55	0.014	0.17	0.4	0.02	2.8	0.1	<0.05	6	0.5	<0.2
1204254	Soil	8	30	0.64	142	0.166	<1	1.91	0.015	0.07	0.2	0.02	3.5	0.1	<0.05	6	0.5	<0.2
1204244	Soil	10	34	0.67	125	0.123	2	1.99	0.017	0.06	0.2	0.03	3.5	0.1	<0.05	6	0.7	<0.2
1204272	Soil	10	29	0.41	160	0.084	1	1.89	0.023	0.07	0.5	0.04	3.9	0.1	0.06	5	0.6	<0.2
1204250	Soil	10	21	0.40	155	0.097	<1	1.74	0.019	0.06	0.3	0.04	3.5	0.2	<0.05	5	1.0	<0.2
1204248	Soil	4	11	0.14	82	0.044	1	0.69	0.026	0.04	<0.1	0.02	1.2	<0.1	<0.05	4	0.6	<0.2
1204246	Soil	10	32	0.55	123	0.104	2	2.11	0.021	0.05	0.1	0.03	3.5	0.2	<0.05	6	0.8	<0.2
1204245	Soil	9	33	0.59	108	0.118	1	2.18	0.013	0.05	0.1	0.03	3.6	0.2	<0.05	7	<0.5	<0.2
1204255	Soil	12	35	0.66	133	0.143	1	1.79	0.018	0.06	0.4	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
1204191	Soil	9	28	0.44	164	0.103	2	1.64	0.016	0.06	0.2	0.02	3.0	0.2	<0.05	6	0.7	<0.2
1204242	Soil	11	33	0.69	124	0.116	2	1.93	0.038	0.06	0.1	0.01	3.8	0.1	<0.05	5	<0.5	<0.2
1204196	Soil	15	39	0.67	112	0.122	<1	1.91	0.021	0.08	0.4	0.02	3.1	0.2	<0.05	6	0.5	<0.2
1204271	Soil	11	27	0.71	151	0.141	2	1.79	0.022	0.07	1.8	0.01	4.5	0.2	<0.05	5	<0.5	<0.2
1204249	Soil	10	31	0.72	151	0.138	2	2.16	0.022	0.06	0.4	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
1204241	Soil	5	20	0.26	74	0.083	1	1.16	0.019	0.05	0.2	0.03	1.8	<0.1	<0.05	7	<0.5	<0.2
1204247	Soil	8	27	0.53	108	0.097	1	1.74	0.024	0.06	0.1	0.04	2.9	0.1	<0.05	6	0.6	<0.2
1204194	Soil	10	33	0.60	97	0.128	1	2.03	0.012	0.10	0.3	0.03	2.9	0.1	<0.05	7	<0.5	<0.2
1204197	Soil	26	52	0.89	143	0.115	1	1.87	0.013	0.18	1.4	0.01	4.4	0.3	<0.05	7	0.8	<0.2
1204195	Soil	16	39	0.68	111	0.120	1	1.83	0.023	0.07	0.7	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
1204192	Soil	9	24	0.37	100	0.105	<1	1.40	0.014	0.07	0.2	0.02	2.2	0.1	<0.05	5	<0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

Page: 3 of 6 Part 1

CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	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
1204198	Soil		1.5	19.2	14.2	45	<0.1	21.5	8.6	214	2.86	7.4	1.1	11.1	11.0	26	0.2	0.6	0.3	69	0.37	0.032
1204253	Soil		2.1	29.5	22.9	82	<0.1	16.0	13.2	570	3.68	26.9	1.4	2.5	8.5	51	0.2	0.9	1.2	113	0.55	0.055
1204243	Soil		0.6	17.1	12.7	52	<0.1	18.0	9.3	338	2.64	11.9	0.5	4.1	2.4	27	0.2	1.7	0.2	70	0.39	0.059
1204368	Soil		0.6	12.7	12.8	47	0.1	9.7	7.5	215	2.71	6.8	0.7	2.8	5.1	24	<0.1	1.1	0.6	69	0.51	0.027
1204366	Soil		0.8	11.8	12.7	41	0.1	10.7	7.2	178	2.54	9.4	0.4	1.7	3.1	22	0.1	0.8	0.2	67	0.43	0.028
1204364	Soil		0.6	11.6	12.4	43	<0.1	10.7	8.0	351	2.31	7.1	0.6	1.6	7.7	25	0.1	1.0	0.1	56	0.49	0.024
1204365	Soil		0.7	13.8	10.2	50	<0.1	16.4	10.7	368	3.01	7.4	0.7	<0.5	8.4	29	<0.1	0.9	0.1	79	0.36	0.024
1204367	Soil		0.7	18.2	10.2	45	<0.1	13.4	8.4	273	2.67	7.7	1.2	3.2	5.4	25	<0.1	1.0	0.2	79	0.37	0.025
1204369	Soil		0.3	18.0	7.6	43	<0.1	14.5	7.7	263	2.25	6.2	0.9	2.0	4.4	30	0.1	0.6	0.1	59	0.51	0.068
1204363	Soil		0.8	11.8	14.4	50	<0.1	11.9	10.4	491	2.92	10.8	0.5	0.9	5.6	32	<0.1	2.0	0.2	74	0.53	0.030
1204362	Soil		1.1	17.2	8.8	42	<0.1	19.5	10.9	262	2.90	8.4	0.5	2.1	3.2	17	<0.1	0.7	0.2	78	0.22	0.030
1204360	Soil		0.7	14.5	9.0	56	<0.1	18.3	8.8	374	2.59	5.9	0.3	1.5	2.6	22	0.2	0.5	0.2	69	0.33	0.018
1204361	Soil		0.8	13.7	14.1	47	<0.1	12.0	9.3	431	2.56	9.1	0.5	0.7	5.6	32	<0.1	1.8	0.2	64	0.56	0.028
1204388	Soil		0.6	16.6	7.5	63	<0.1	14.5	14.7	592	3.60	6.8	0.5	1.9	6.2	26	<0.1	0.5	0.1	82	0.54	0.049
1204387	Soil		0.9	19.5	8.1	68	<0.1	14.7	16.8	690	4.01	6.4	0.4	1.6	5.3	25	<0.1	1.0	0.1	88	0.51	0.039
1204386	Soil		0.6	25.7	7.4	77	<0.1	18.8	17.9	818	4.23	7.1	0.6	2.3	6.6	32	<0.1	2.1	0.1	89	0.53	0.045
1204389	Soil		0.6	32.5	13.5	81	<0.1	20.3	17.6	696	4.47	9.5	0.8	6.9	7.2	26	<0.1	0.7	0.2	85	0.52	0.032
1204371	Soil		0.3	16.5	16.8	62	<0.1	9.9	11.0	741	3.41	26.2	1.2	3.4	14.5	56	0.1	3.4	0.2	85	1.05	0.053
1204372	Soil		0.3	17.9	19.9	65	<0.1	9.6	11.7	818	3.56	28.6	1.1	2.0	14.0	60	0.2	3.7	0.2	88	1.09	0.058
1204390	Soil		0.5	19.5	8.9	79	<0.1	16.8	19.2	806	4.55	6.8	0.7	1.9	10.0	36	<0.1	1.1	<0.1	107	0.74	0.060
1204385	Soil		0.6	25.3	20.0	76	<0.1	18.1	18.4	714	4.46	7.9	0.6	1.1	10.1	38	<0.1	1.1	0.1	94	0.53	0.052
1204370	Soil		0.6	23.6	9.3	49	<0.1	21.5	10.6	386	2.91	8.2	1.1	1.7	6.0	35	<0.1	0.6	0.1	74	0.54	0.051
1204384	Soil		0.4	30.8	15.5	103	<0.1	18.1	24.8	1173	6.24	4.5	0.6	0.9	11.4	25	<0.1	0.5	0.3	108	0.59	0.074
1204391	Soil		0.3	26.0	6.2	51	<0.1	23.2	12.6	475	3.00	7.8	0.7	3.3	6.0	33	<0.1	0.6	0.1	75	0.68	0.081
1204373	Soil		0.5	18.8	26.4	72	<0.1	14.7	15.9	1054	3.87	4.3	0.9	1.2	13.6	25	<0.1	0.6	0.3	61	0.50	0.045
1204379	Soil		0.5	16.0	20.8	64	<0.1	5.4	15.5	1611	3.79	38.0	1.1	<0.5	9.5	70	<0.1	17.9	<0.1	65	5.98	0.056
1204377	Soil		0.7	18.6	7.7	57	<0.1	18.9	13.8	553	3.39	5.9	0.5	<0.5	9.0	21	0.1	0.4	<0.1	76	0.35	0.040
1204375	Soil		1.1	24.1	16.9	78	<0.1	14.6	15.3	692	4.24	9.0	0.7	4.0	8.9	25	<0.1	1.5	0.1	90	0.46	0.046
1204376	Soil		0.2	11.3	7.0	47	<0.1	6.4	9.9	495	2.65	4.2	0.6	1.8	9.0	101	<0.1	1.6	<0.1	51	1.59	0.042
1204381	Soil		0.8	29.7	13.6	69	<0.1	21.7	15.3	1003	3.88	6.7	0.8	2.4	7.9	28	0.2	1.8	0.1	84	0.61	0.064

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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	
1204198	Soil	11	36	0.64	91	0.125	1	1.51	0.014	0.12	0.4	<0.01	2.9	0.1	<0.05	5	0.9	<0.2
1204253	Soil	16	31	1.02	226	0.288	<1	1.95	0.023	0.36	0.3	0.01	6.6	0.7	<0.05	6	0.7	<0.2
1204243	Soil	9	33	0.62	114	0.122	1	1.82	0.018	0.06	0.1	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
1204368	Soil	13	20	0.52	139	0.140	<1	2.13	0.017	0.04	0.1	<0.01	3.5	0.1	<0.05	7	0.9	<0.2
1204366	Soil	8	22	0.39	107	0.123	<1	2.18	0.013	0.05	0.1	0.01	2.8	<0.1	<0.05	7	0.5	<0.2
1204364	Soil	12	20	0.42	123	0.108	<1	1.91	0.015	0.06	0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1204365	Soil	14	30	0.67	191	0.138	2	2.14	0.016	0.06	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
1204367	Soil	12	29	0.54	133	0.133	2	1.88	0.017	0.04	<0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
1204369	Soil	10	24	0.50	121	0.101	<1	1.32	0.027	0.06	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
1204363	Soil	8	22	0.60	139	0.095	<1	2.45	0.017	0.09	0.2	0.02	3.9	0.1	<0.05	8	<0.5	<0.2
1204362	Soil	6	33	0.49	143	0.080	1	2.23	0.014	0.05	0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1204360	Soil	6	27	0.48	165	0.079	1	1.66	0.017	0.04	0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
1204361	Soil	8	21	0.58	126	0.050	<1	2.09	0.012	0.06	0.2	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
1204388	Soil	7	27	0.97	167	0.104	<1	2.35	0.022	0.05	<0.1	0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
1204387	Soil	7	28	1.04	183	0.104	2	2.32	0.015	0.08	<0.1	0.02	5.0	<0.1	<0.05	8	<0.5	<0.2
1204386	Soil	12	31	1.08	198	0.109	<1	2.44	0.018	0.07	<0.1	0.01	7.6	<0.1	<0.05	8	<0.5	<0.2
1204389	Soil	11	38	1.29	142	0.137	<1	2.79	0.018	0.06	0.1	0.01	5.7	<0.1	<0.05	9	<0.5	<0.2
1204371	Soil	11	16	0.92	87	0.116	<1	2.75	0.024	0.07	<0.1	0.01	6.1	<0.1	<0.05	9	<0.5	<0.2
1204372	Soil	11	15	0.95	76	0.106	<1	2.77	0.021	0.07	<0.1	0.01	6.0	<0.1	<0.05	10	<0.5	<0.2
1204390	Soil	9	25	1.37	119	0.193	<1	2.97	0.017	0.06	0.1	<0.01	7.1	<0.1	<0.05	11	<0.5	<0.2
1204385	Soil	10	31	1.34	154	0.149	2	2.66	0.018	0.06	0.2	<0.01	5.7	<0.1	<0.05	9	<0.5	<0.2
1204370	Soil	14	37	0.68	190	0.110	2	1.91	0.029	0.05	0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
1204384	Soil	13	31	2.20	90	0.116	<1	3.36	0.009	0.05	0.1	<0.01	8.2	<0.1	<0.05	13	<0.5	<0.2
1204391	Soil	13	34	0.79	182	0.146	<1	1.72	0.032	0.11	0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
1204373	Soil	20	22	1.03	98	0.053	<1	2.13	0.014	0.05	0.1	<0.01	5.3	<0.1	<0.05	7	<0.5	<0.2
1204379	Soil	24	8	0.87	329	0.004	<1	1.74	0.006	0.12	0.5	<0.01	9.9	<0.1	0.08	3	<0.5	<0.2
1204377	Soil	12	34	0.91	137	0.087	<1	2.17	0.018	0.05	<0.1	0.01	5.1	<0.1	<0.05	7	<0.5	<0.2
1204375	Soil	14	29	1.13	140	0.143	1	2.61	0.013	0.05	0.1	<0.01	4.6	<0.1	<0.05	9	<0.5	<0.2
1204376	Soil	16	12	0.93	70	0.066	<1	3.12	0.017	0.06	<0.1	<0.01	4.9	<0.1	<0.05	9	<0.5	<0.2
1204381	Soil	16	33	1.02	213	0.089	1	2.21	0.021	0.10	0.1	0.03	6.6	0.1	<0.05	7	<0.5	<0.2

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 Report Date: January 04, 2012

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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	
1204378	Soil	0.5	18.3	8.5	68	<0.1	17.6	16.0	624	4.15	7.3	0.4	<0.5	5.9	18	<0.1	0.9	0.1	84	0.30	0.040
1204374	Soil	0.8	14.6	12.6	55	<0.1	8.7	9.2	661	2.60	292.0	0.8	1.2	12.0	17	0.4	35.4	0.2	36	0.35	0.020
1204380	Soil	0.5	19.9	8.6	56	<0.1	17.4	14.5	509	3.27	6.9	0.6	1.4	9.8	31	0.1	0.5	0.1	78	0.47	0.044
1204383	Soil	0.4	24.9	16.0	84	<0.1	16.6	20.4	922	4.82	8.8	0.9	4.0	11.6	42	<0.1	1.2	<0.1	86	0.84	0.070
1204382	Soil	0.8	20.3	10.7	52	<0.1	21.5	12.4	440	2.95	5.9	0.8	2.1	9.5	28	<0.1	0.5	0.1	71	0.49	0.070
1204225	Soil	1.1	35.0	24.7	51	<0.1	31.2	14.0	494	3.50	11.4	0.8	3.2	7.9	39	0.1	1.9	0.2	96	0.76	0.042
1204212	Soil	0.9	35.7	16.8	52	0.1	30.7	14.2	511	3.04	11.4	0.5	4.4	5.3	36	<0.1	1.0	0.2	82	0.66	0.040
1204231	Soil	0.4	22.4	9.4	49	<0.1	20.8	10.9	421	2.62	6.8	0.6	4.5	6.5	33	0.2	1.6	0.2	69	0.60	0.066
1204232	Soil	0.5	21.1	6.1	40	<0.1	20.9	9.6	400	2.46	5.8	0.7	1.3	4.9	28	<0.1	0.9	0.1	73	0.50	0.055
1204213	Soil	0.7	32.8	16.1	49	0.1	26.4	13.2	527	2.88	10.9	0.5	2.0	4.7	33	<0.1	0.8	0.2	76	0.66	0.040
1204230	Soil	0.5	25.3	9.8	82	<0.1	13.4	15.3	650	3.91	5.9	0.6	3.3	14.3	30	<0.1	1.0	0.1	112	1.21	0.077
1204229	Soil	0.5	26.5	20.6	86	<0.1	18.1	16.4	627	4.26	11.4	0.7	2.0	14.4	55	0.2	3.8	0.2	104	1.28	0.075
1204228	Soil	0.6	44.3	21.8	99	<0.1	22.6	20.3	912	5.44	14.7	0.6	2.2	19.1	45	0.1	3.8	0.2	134	1.08	0.088
1204227	Soil	0.5	30.0	5.5	45	<0.1	21.5	8.9	314	2.07	6.9	0.4	1.9	3.2	44	0.2	0.4	0.1	53	0.99	0.074
1204226	Soil	0.5	33.9	5.5	46	<0.1	24.5	9.6	394	2.25	6.8	0.4	2.3	3.2	54	0.2	0.4	0.1	58	1.60	0.076
1204214	Soil	0.6	33.7	16.2	51	<0.1	24.6	14.2	479	2.79	10.3	0.4	3.2	4.4	35	0.1	1.1	0.2	70	0.64	0.041
1204216	Soil	0.6	30.9	10.0	40	0.1	21.9	9.1	473	2.14	7.6	1.4	3.3	2.4	59	<0.1	1.0	0.1	53	1.14	0.048
1204215	Soil	1.0	39.9	25.0	60	0.1	29.0	15.1	506	3.03	11.9	0.6	23.9	6.4	38	0.1	1.4	0.3	72	0.66	0.042
1204217	Soil	0.8	24.3	23.2	61	<0.1	19.5	11.9	512	3.11	10.2	0.5	1.0	5.3	38	0.2	1.6	0.2	81	0.60	0.035
1204218	Soil	0.4	18.9	6.6	36	<0.1	17.3	8.0	463	1.97	6.3	0.4	1.9	4.2	24	<0.1	0.8	0.1	50	0.41	0.054
1204219	Soil	0.7	15.9	29.9	83	0.1	8.5	14.7	1482	3.84	117.2	1.1	2.5	8.3	36	0.5	8.2	0.2	74	0.72	0.057
1204220	Soil	0.7	19.8	27.6	84	<0.1	14.0	13.8	591	3.93	12.2	0.6	2.8	9.5	30	0.2	2.6	0.2	94	0.57	0.067
1204221	Soil	0.5	29.5	14.2	116	<0.1	13.3	21.5	1103	5.85	21.2	0.7	1.6	18.6	42	<0.1	3.8	<0.1	127	1.02	0.097
1204222	Soil	0.3	12.7	24.4	69	<0.1	9.9	14.4	716	3.20	32.6	0.9	1.4	12.0	114	0.1	1.8	0.2	66	2.37	0.067
1204223	Soil	0.4	25.1	25.2	71	<0.1	12.9	18.7	830	5.02	21.6	0.9	5.5	12.7	53	0.2	5.3	0.1	131	1.31	0.083
1204224	Soil	0.5	21.2	7.3	38	<0.1	20.2	8.6	744	2.13	18.9	0.5	9.6	5.2	26	0.1	0.9	0.1	54	0.49	0.051
1204211	Soil	0.7	42.0	24.2	62	0.1	26.2	14.3	653	3.31	18.5	0.8	4.5	7.5	39	0.1	2.5	0.3	87	0.68	0.026
1204208	Soil	1.1	18.0	9.3	42	0.1	20.5	13.3	781	2.69	7.4	0.5	9.0	2.8	27	0.2	0.7	0.1	67	0.37	0.014
1204209	Soil	0.7	58.7	27.6	74	0.1	24.7	17.1	609	3.96	17.5	0.7	6.1	6.7	39	0.1	2.7	0.4	95	0.66	0.024
1204210	Soil	0.6	35.6	28.2	75	0.2	17.8	14.8	790	3.50	12.9	0.7	3.5	6.0	60	0.2	5.2	0.3	80	1.21	0.038

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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	
1204378	Soil	9	29	1.26	144	0.046	<1	2.51	0.010	0.05	0.1	0.02	5.5	<0.1	<0.05	9	<0.5	<0.2
1204374	Soil	19	12	0.46	146	0.008	3	1.49	0.008	0.09	<0.1	<0.01	3.5	0.2	<0.05	3	<0.5	<0.2
1204380	Soil	15	31	0.97	137	0.129	<1	2.33	0.021	0.05	0.2	0.02	4.8	<0.1	<0.05	7	<0.5	<0.2
1204383	Soil	17	27	1.51	115	0.139	<1	3.20	0.017	0.07	0.1	<0.01	6.8	<0.1	<0.05	10	<0.5	<0.2
1204382	Soil	16	37	0.77	159	0.112	<1	2.02	0.020	0.07	<0.1	<0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
1204225	Soil	18	49	0.74	201	0.188	1	2.35	0.035	0.10	0.4	<0.01	7.2	<0.1	<0.05	7	<0.5	<0.2
1204212	Soil	14	45	0.73	176	0.129	<1	1.95	0.037	0.08	0.2	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2
1204231	Soil	11	26	0.67	147	0.133	<1	1.55	0.029	0.10	0.2	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
1204232	Soil	14	28	0.57	102	0.081	<1	1.13	0.026	0.06	0.3	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
1204213	Soil	13	38	0.70	169	0.108	<1	1.83	0.035	0.08	0.2	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
1204230	Soil	17	21	1.11	275	0.366	<1	2.24	0.028	0.69	0.2	0.01	4.5	0.5	<0.05	9	<0.5	<0.2
1204229	Soil	15	25	1.05	205	0.263	<1	3.04	0.021	0.21	0.2	0.02	7.5	0.2	<0.05	11	<0.5	<0.2
1204228	Soil	21	26	1.22	361	0.316	1	2.82	0.024	0.31	0.2	0.02	6.9	0.3	<0.05	13	0.6	<0.2
1204227	Soil	11	24	0.60	116	0.087	1	1.06	0.039	0.08	0.2	0.01	3.2	<0.1	<0.05	3	<0.5	<0.2
1204226	Soil	11	26	0.67	133	0.093	1	1.10	0.041	0.07	0.1	0.01	3.2	<0.1	<0.05	3	<0.5	<0.2
1204214	Soil	12	32	0.64	159	0.095	1	1.52	0.035	0.06	0.2	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
1204216	Soil	11	25	0.53	201	0.088	2	1.30	0.034	0.04	0.2	0.02	3.5	<0.1	0.05	4	0.7	<0.2
1204215	Soil	13	38	0.69	166	0.127	<1	1.89	0.033	0.10	0.2	0.03	6.2	0.1	<0.05	6	<0.5	<0.2
1204217	Soil	15	29	0.62	197	0.126	1	1.83	0.020	0.08	0.2	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2
1204218	Soil	14	22	0.42	128	0.072	1	0.95	0.021	0.05	0.1	0.01	3.7	<0.1	<0.05	3	<0.5	<0.2
1204219	Soil	19	13	0.84	382	0.017	<1	1.99	0.020	0.27	0.5	0.03	10.7	0.3	<0.05	5	<0.5	<0.2
1204220	Soil	12	22	1.03	268	0.156	1	2.10	0.017	0.23	0.2	<0.01	6.3	0.2	<0.05	7	<0.5	<0.2
1204221	Soil	16	17	1.88	316	0.286	2	2.73	0.024	0.33	0.2	0.02	7.2	0.3	<0.05	13	0.5	<0.2
1204222	Soil	14	15	0.81	93	0.066	<1	3.77	0.013	0.11	<0.1	<0.01	9.7	<0.1	<0.05	10	<0.5	<0.2
1204223	Soil	19	20	1.48	128	0.328	<1	3.05	0.015	0.08	0.3	0.01	11.2	<0.1	<0.05	13	0.6	<0.2
1204224	Soil	12	22	0.51	107	0.070	2	0.97	0.022	0.06	0.2	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
1204211	Soil	19	33	0.81	160	0.153	1	2.19	0.031	0.09	0.3	0.03	7.8	0.1	<0.05	7	1.0	<0.2
1204208	Soil	9	34	0.49	181	0.093	<1	1.79	0.020	0.05	0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
1204209	Soil	16	37	0.99	154	0.155	<1	2.47	0.024	0.06	0.3	0.02	8.7	<0.1	<0.05	8	<0.5	<0.2
1204210	Soil	17	25	1.08	142	0.096	<1	2.90	0.021	0.09	0.3	0.03	8.1	0.1	<0.05	8	0.5	<0.2

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Project: WLF
 Report Date: January 04, 2012

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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	
1204207	Soil	0.9	48.3	23.6	62	0.1	20.9	14.4	892	3.11	13.2	0.8	5.3	7.3	44	0.2	2.0	0.4	77	0.63	0.019
1204206	Soil	0.9	32.7	14.0	61	0.1	24.9	15.4	757	3.28	10.3	0.6	2.5	5.5	37	0.1	1.0	0.2	82	0.56	0.030
1204205	Soil	0.7	37.6	22.8	54	<0.1	22.0	14.5	696	3.23	8.6	0.6	4.1	8.7	45	0.3	1.4	0.4	78	0.75	0.048
1204204	Soil	0.9	19.4	10.6	52	0.1	23.6	13.0	321	3.49	10.7	0.5	2.1	4.2	28	0.1	0.7	0.2	88	0.34	0.032
1204203	Soil	0.7	31.0	24.2	56	<0.1	19.7	14.3	497	3.88	10.9	0.8	3.9	10.8	39	0.1	1.6	0.2	103	0.67	0.036
1204202	Soil	0.7	32.1	31.3	89	0.1	19.8	16.3	795	4.23	29.6	1.0	3.5	9.1	38	0.1	2.1	0.3	101	0.80	0.048
1204201	Soil	0.8	15.9	9.4	59	<0.1	20.9	12.0	725	2.89	7.0	0.4	0.6	3.4	25	0.2	0.6	0.1	72	0.35	0.024
1204161	Soil	0.7	20.2	11.3	39	0.1	17.1	8.2	217	2.36	11.4	0.7	5.5	4.6	33	<0.1	0.9	0.2	61	0.40	0.028
1204160	Soil	0.8	24.0	9.1	42	<0.1	25.4	12.0	277	3.01	9.6	0.6	1.6	3.7	26	<0.1	0.6	0.1	77	0.28	0.020
1204158	Soil	0.7	19.9	9.7	42	<0.1	18.2	10.0	323	2.59	8.3	0.6	2.9	4.8	26	<0.1	0.7	0.1	70	0.34	0.023
1204159	Soil	1.7	14.9	12.5	51	0.1	16.2	10.0	363	3.20	9.5	0.4	1.6	3.0	22	0.2	0.8	0.2	84	0.26	0.028
1204157	Soil	1.1	10.4	10.8	32	0.1	9.0	4.4	205	1.98	6.4	0.3	1.0	1.5	14	0.1	0.5	0.2	63	0.14	0.016
1204156	Soil	0.8	22.7	9.8	51	0.1	25.5	12.4	326	3.28	10.2	0.7	1.7	4.3	34	<0.1	1.1	0.2	76	0.42	0.030
1204151	Soil	1.0	17.5	8.3	43	<0.1	22.7	10.5	251	2.78	9.6	0.4	1.6	2.8	19	<0.1	0.6	0.1	73	0.20	0.014
1204152	Soil	0.9	20.2	8.5	45	<0.1	20.4	11.2	310	2.81	9.6	0.6	7.8	5.5	27	<0.1	0.7	0.2	77	0.33	0.018
1204154	Soil	0.8	20.9	9.4	47	0.1	22.3	11.8	278	2.89	10.7	0.7	1.9	3.9	26	0.1	0.7	0.1	76	0.32	0.030
1204153	Soil	1.2	13.8	9.9	38	<0.1	14.5	8.0	267	2.48	9.0	0.4	1.7	2.9	18	0.1	0.5	0.2	67	0.19	0.015
1204155	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.
1204181	Soil	1.0	16.8	8.7	85	0.1	17.7	10.9	807	2.59	5.1	0.3	1.3	1.4	24	0.4	0.5	0.2	66	0.33	0.034
1204180	Soil	1.0	14.3	10.7	84	0.2	16.6	11.2	1045	2.72	5.4	0.3	<0.5	2.4	26	0.5	0.5	0.1	65	0.40	0.033
1204182	Soil	1.1	15.8	9.5	63	<0.1	20.6	11.8	577	2.97	6.4	0.4	3.6	2.6	24	0.1	0.5	0.1	73	0.33	0.018
1204177	Soil	1.0	16.7	10.7	82	0.2	22.0	13.7	1052	3.19	7.1	0.4	1.5	2.4	31	0.5	0.7	0.2	78	0.44	0.040
1204179	Soil	1.0	14.5	10.5	89	0.2	16.9	12.7	1131	2.91	6.8	0.4	8.0	2.1	29	0.3	0.8	0.2	75	0.43	0.034
1204178	Soil	1.0	15.3	8.9	92	0.2	17.7	11.1	709	2.93	5.8	0.3	0.8	2.0	26	0.4	0.6	0.1	72	0.40	0.036
1204165	Soil	0.9	14.9	10.6	55	0.1	20.5	11.7	325	3.14	7.8	0.4	1.0	4.9	22	0.2	0.6	0.2	76	0.25	0.024
1204163	Soil	0.5	12.5	22.3	64	0.1	11.9	9.2	662	2.52	14.2	0.6	2.0	10.5	49	0.2	1.7	0.3	62	0.77	0.030
1204176	Soil	1.0	18.6	22.0	114	0.4	20.3	13.0	1439	3.00	7.8	0.4	0.8	2.4	38	1.1	0.6	0.2	73	0.48	0.030
1204164	Soil	1.1	18.2	15.7	80	0.2	26.4	14.7	460	3.73	9.4	0.5	0.6	5.8	24	0.4	0.8	0.2	90	0.27	0.025
1204162	Soil	0.6	15.1	15.3	53	<0.1	11.7	9.2	396	2.73	14.3	0.6	1.9	8.5	53	0.2	1.9	0.2	70	0.82	0.025
1204169	Soil	1.0	9.5	9.2	46	<0.1	9.9	7.0	334	2.02	5.3	0.3	2.0	1.6	15	0.1	0.3	0.1	52	0.17	0.073

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 Report Date: January 04, 2012

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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	
1204207	Soil	14	31	0.65	194	0.120	1	2.51	0.032	0.06	0.2	0.02	6.8	0.1	<0.05	7	<0.5	<0.2
1204206	Soil	16	38	0.69	225	0.138	<1	2.17	0.027	0.07	0.2	0.03	7.2	0.1	<0.05	6	<0.5	<0.2
1204205	Soil	18	29	0.75	178	0.128	1	2.15	0.036	0.16	0.3	0.03	7.7	0.3	<0.05	7	<0.5	<0.2
1204204	Soil	8	43	0.67	187	0.121	<1	2.27	0.020	0.06	<0.1	<0.01	4.0	<0.1	<0.05	6	<0.5	<0.2
1204203	Soil	22	32	0.99	192	0.208	<1	2.58	0.029	0.10	0.3	<0.01	7.9	0.2	<0.05	8	<0.5	<0.2
1204202	Soil	25	28	1.17	160	0.194	2	2.68	0.028	0.09	0.5	0.02	8.6	0.1	<0.05	9	<0.5	<0.2
1204201	Soil	7	33	0.56	239	0.110	<1	1.81	0.019	0.07	<0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1204161	Soil	10	29	0.50	147	0.096	<1	1.72	0.019	0.04	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
1204160	Soil	7	36	0.60	203	0.119	<1	2.31	0.017	0.03	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
1204158	Soil	10	32	0.58	133	0.111	<1	1.90	0.015	0.03	0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
1204159	Soil	6	27	0.52	136	0.119	<1	2.15	0.013	0.06	0.1	0.02	2.6	0.1	<0.05	8	<0.5	<0.2
1204157	Soil	5	18	0.34	87	0.111	<1	1.10	0.012	0.04	<0.1	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
1204156	Soil	10	38	0.60	164	0.115	<1	2.42	0.017	0.05	0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
1204151	Soil	6	30	0.56	146	0.117	1	2.08	0.016	0.05	0.1	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1204152	Soil	8	29	0.66	162	0.144	<1	2.27	0.014	0.06	0.2	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
1204154	Soil	11	31	0.61	176	0.124	<1	2.30	0.020	0.07	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1204153	Soil	6	23	0.47	141	0.110	<1	1.77	0.017	0.04	0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
1204155	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.
1204181	Soil	6	28	0.44	176	0.082	<1	1.82	0.019	0.03	<0.1	<0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
1204180	Soil	7	28	0.46	211	0.091	<1	1.94	0.019	0.06	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1204182	Soil	9	36	0.50	207	0.086	<1	1.93	0.020	0.03	0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1204177	Soil	8	37	0.57	282	0.101	2	2.14	0.020	0.07	<0.1	0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
1204179	Soil	7	26	0.60	248	0.097	1	2.21	0.022	0.05	0.1	0.01	4.2	0.2	<0.05	7	<0.5	<0.2
1204178	Soil	7	31	0.51	214	0.092	<1	1.97	0.018	0.06	<0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
1204165	Soil	8	35	0.58	152	0.110	<1	2.44	0.014	0.05	<0.1	0.01	3.0	<0.1	<0.05	7	<0.5	<0.2
1204163	Soil	9	18	0.49	182	0.109	<1	2.65	0.024	0.11	<0.1	0.01	4.2	0.1	<0.05	7	<0.5	<0.2
1204176	Soil	7	32	0.61	304	0.104	1	2.23	0.021	0.05	0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
1204164	Soil	8	40	0.65	221	0.121	1	2.99	0.017	0.06	<0.1	0.01	3.6	0.1	<0.05	8	<0.5	<0.2
1204162	Soil	8	20	0.61	151	0.135	<1	2.50	0.033	0.10	0.2	<0.01	4.6	0.1	<0.05	8	<0.5	<0.2
1204169	Soil	6	19	0.28	115	0.065	<1	1.36	0.015	0.04	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
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
1204167	Soil	1.1	15.5	11.4	78	0.2	19.2	10.5	506	3.20	7.8	0.3	0.7	4.0	23	0.2	0.7	0.2	83	0.30	0.029
1204166	Soil	1.5	18.8	9.8	55	0.1	22.5	13.5	283	3.16	8.8	0.4	1.4	3.8	37	0.2	0.7	0.2	77	0.53	0.032
1204170	Soil	1.2	15.0	9.1	45	0.2	12.9	8.0	315	2.32	7.2	0.3	1.5	1.3	17	0.2	0.5	0.2	63	0.18	0.024
1204171	Soil	1.1	17.9	10.0	67	0.2	21.2	11.9	725	3.08	7.0	0.5	1.0	2.7	31	0.3	0.6	0.2	74	0.48	0.019
1204168	Soil	0.9	18.6	8.7	65	<0.1	17.7	9.2	664	2.48	6.7	0.3	1.7	4.0	34	0.2	0.7	0.2	62	0.65	0.033
1204172	Soil	1.0	13.2	8.1	40	0.1	13.9	6.9	254	2.33	5.7	0.3	1.6	1.4	21	0.2	0.4	0.2	64	0.24	0.018
1204174	Soil	0.8	14.7	16.7	80	0.1	15.8	11.1	572	2.95	8.9	0.8	0.8	13.8	29	0.2	0.9	0.2	70	0.37	0.030
1204173	Soil	1.4	17.4	8.1	60	0.1	20.3	12.9	697	2.92	6.4	0.4	11.1	2.2	23	0.1	0.4	0.2	73	0.30	0.038
1204175	Soil	1.1	18.4	10.9	84	0.2	25.2	14.3	1140	3.40	9.2	0.6	0.9	3.8	30	0.5	0.6	0.2	81	0.40	0.053



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Project: WLF
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000421.3

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
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
1204167	Soil	7	28	0.55	214	0.114	<1	2.49	0.019	0.05	<0.1	0.02	2.6	0.1	<0.05	8	<0.5	<0.2
1204166	Soil	8	33	0.52	273	0.102	<1	2.92	0.020	0.07	<0.1	0.01	3.0	<0.1	<0.05	8	<0.5	<0.2
1204170	Soil	5	22	0.27	142	0.073	<1	1.63	0.016	0.03	0.1	0.01	2.0	<0.1	<0.05	7	<0.5	<0.2
1204171	Soil	9	36	0.52	236	0.085	<1	2.25	0.018	0.04	<0.1	0.01	4.2	<0.1	<0.05	7	<0.5	<0.2
1204168	Soil	6	24	0.45	206	0.093	<1	2.41	0.018	0.06	<0.1	<0.01	2.7	<0.1	<0.05	7	<0.5	<0.2
1204172	Soil	5	24	0.35	136	0.080	<1	1.54	0.017	0.02	<0.1	<0.01	2.1	0.1	<0.05	6	<0.5	<0.2
1204174	Soil	12	28	0.60	188	0.093	<1	2.29	0.019	0.07	0.1	<0.01	5.3	0.1	<0.05	7	<0.5	<0.2
1204173	Soil	7	36	0.51	218	0.086	<1	2.04	0.017	0.04	<0.1	0.01	4.0	<0.1	<0.05	6	<0.5	<0.2
1204175	Soil	10	40	0.62	301	0.097	<1	2.32	0.020	0.05	<0.1	0.02	4.7	<0.1	<0.05	7	<0.5	<0.2



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Project: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000421.3

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																					
1204275	Soil	0.9	25.8	20.8	53	0.2	21.6	9.9	249	2.66	7.9	0.9	1.7	3.2	23	0.2	0.4	0.2	66	0.38	0.043
REP 1204275	QC	0.7	26.8	20.9	50	0.2	22.5	10.1	257	2.63	7.8	0.9	5.1	3.4	24	0.2	0.5	0.2	68	0.40	0.044
1204255	Soil	6.1	20.7	21.7	60	0.4	19.9	9.6	269	2.87	12.1	1.7	5.0	7.9	28	0.3	1.0	0.6	72	0.40	0.031
REP 1204255	QC	6.4	21.1	22.5	60	0.4	20.6	9.3	278	2.39	12.5	1.8	2.2	8.1	29	0.2	1.1	0.7	75	0.42	0.030
1204386	Soil	0.6	25.7	7.4	77	<0.1	18.8	17.9	818	4.23	7.1	0.6	2.3	6.6	32	<0.1	2.1	0.1	89	0.53	0.045
REP 1204386	QC	0.6	26.1	7.8	75	<0.1	18.5	17.9	836	4.26	7.0	0.6	1.2	6.7	32	<0.1	2.2	<0.1	93	0.52	0.049
1204229	Soil	0.5	26.5	20.6	86	<0.1	18.1	16.4	627	4.26	11.4	0.7	2.0	14.4	55	0.2	3.8	0.2	104	1.28	0.075
REP 1204229	QC	0.7	28.4	20.3	90	<0.1	18.8	16.5	679	4.52	12.2	0.8	3.6	13.6	55	<0.1	5.0	0.2	112	1.33	0.076
1204223	Soil	0.4	25.1	25.2	71	<0.1	12.9	18.7	830	5.02	21.6	0.9	5.5	12.7	53	0.2	5.3	0.1	131	1.31	0.083
REP 1204223	QC	0.3	23.5	23.0	63	<0.1	11.3	16.9	761	4.34	20.1	0.8	4.6	11.7	47	0.1	4.6	0.1	116	1.21	0.079
1204207	Soil	0.9	48.3	23.6	62	0.1	20.9	14.4	892	3.11	13.2	0.8	5.3	7.3	44	0.2	2.0	0.4	77	0.63	0.019
REP 1204207	QC	1.0	49.1	24.9	62	0.1	21.0	14.5	889	3.10	12.1	0.8	4.0	7.4	44	0.2	2.0	0.4	79	0.63	0.017
1204178	Soil	1.0	15.3	8.9	92	0.2	17.7	11.1	709	2.93	5.8	0.3	0.8	2.0	26	0.4	0.6	0.1	72	0.40	0.036
REP 1204178	QC	1.1	16.1	8.9	92	0.2	18.3	11.3	732	3.00	6.2	0.3	<0.5	2.1	27	0.4	0.6	0.2	73	0.39	0.038
Reference Materials																					
STD DS8	Standard	13.1	114.6	122.1	317	1.9	37.9	7.7	611	2.45	25.9	2.5	110.8	6.2	64	2.3	5.1	6.7	43	0.67	0.078
STD DS8	Standard	12.9	118.0	124.6	313	1.7	38.1	7.3	577	2.33	24.6	2.9	104.4	7.0	66	2.2	6.0	7.2	41	0.65	0.071
STD DS8	Standard	13.3	109.8	127.9	300	1.8	37.2	7.6	599	2.41	23.8	2.7	120.6	6.7	64	2.1	5.5	6.8	43	0.64	0.074
STD DS8	Standard	12.4	105.7	113.1	306	1.8	36.2	7.2	603	2.39	25.6	2.3	111.3	5.7	61	2.1	4.9	5.8	41	0.66	0.080
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: WLF

Report Date: January 04, 2012

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QUALITY CONTROL REPORT

DAW11000421.3

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																		
1204275	Soil	10	29	0.67	149	0.117	2	1.82	0.016	0.05	0.5	0.02	3.7	0.1	<0.05	5	<0.5	<0.2
REP 1204275	QC	10	30	0.71	150	0.129	2	1.90	0.019	0.06	0.4	0.02	4.0	0.1	<0.05	5	0.6	<0.2
1204255	Soil	12	35	0.66	133	0.143	1	1.79	0.018	0.06	0.4	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
REP 1204255	QC	12	36	0.61	138	0.160	1	1.87	0.027	0.06	0.3	0.03	4.0	0.2	<0.05	6	0.7	<0.2
1204386	Soil	12	31	1.08	198	0.109	<1	2.44	0.018	0.07	<0.1	0.01	7.6	<0.1	<0.05	8	<0.5	<0.2
REP 1204386	QC	12	33	1.14	201	0.116	<1	2.51	0.019	0.08	0.1	0.01	7.9	<0.1	<0.05	8	<0.5	<0.2
1204229	Soil	15	25	1.05	205	0.263	<1	3.04	0.021	0.21	0.2	0.02	7.5	0.2	<0.05	11	<0.5	<0.2
REP 1204229	QC	15	25	1.12	193	0.323	1	3.22	0.024	0.22	0.3	<0.01	8.1	0.2	<0.05	11	<0.5	<0.2
1204223	Soil	19	20	1.48	128	0.328	<1	3.05	0.015	0.08	0.3	0.01	11.2	<0.1	<0.05	13	0.6	<0.2
REP 1204223	QC	18	17	1.36	116	0.301	<1	2.79	0.014	0.07	0.3	0.01	10.0	<0.1	<0.05	11	<0.5	<0.2
1204207	Soil	14	31	0.65	194	0.120	1	2.51	0.032	0.06	0.2	0.02	6.8	0.1	<0.05	7	<0.5	<0.2
REP 1204207	QC	14	31	0.64	183	0.120	1	2.46	0.030	0.07	0.2	0.02	7.0	0.1	<0.05	7	<0.5	<0.2
1204178	Soil	7	31	0.51	214	0.092	<1	1.97	0.018	0.06	<0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
REP 1204178	QC	7	31	0.54	219	0.089	<1	2.00	0.018	0.06	0.1	<0.01	3.1	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	119	0.62	280	0.111	2	0.97	0.112	0.43	3.0	0.20	2.4	5.5	0.15	5	5.4	4.9
STD DS8	Standard	14	112	0.56	261	0.118	2	0.87	0.080	0.40	2.9	0.20	2.4	5.3	0.13	4	5.1	4.9
STD DS8	Standard	12	122	0.62	257	0.111	1	0.87	0.088	0.41	2.8	0.23	2.0	5.4	0.16	4	5.5	4.5
STD DS8	Standard	14	114	0.60	276	0.112	2	0.94	0.111	0.46	3.0	0.20	3.5	5.4	0.15	5	5.7	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

Appendix V – Rock Assay Certificates



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Submitted By: Peter Tallman
Receiving Lab: Canada-Whitehorse
Received: June 20, 2011
Report Date: July 28, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11000474.2

CLIENT JOB INFORMATION

Project: WOLF
Shipment ID:
P.O. Number
Number of Samples: 48

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
DISP-RJT Dispose of Reject After 90 days

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

Invoice To: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

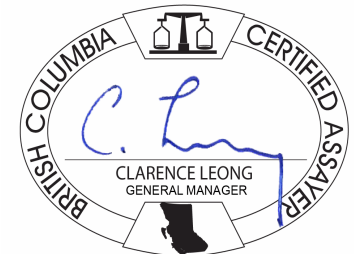
CC: Graeme

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3A01, and 1DX1.

ADDITIONAL COMMENTS

Version 2: 1DX1 U included.



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Project: WOLF
 Report Date: July 28, 2011

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CERTIFICATE OF ANALYSIS

WHI11000474.2

Method	WGHT	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	
580525	Rock	1.11	4.6	7.0	278.9	26.6	42	1.0	3.9	13.8	315	4.41	16.3	2.2	7.5	10.6	19	0.3	2.2	2.1	80
580526	Rock	1.80	10.4	19.3	1103	10.7	119	3.9	8.7	15.4	623	4.59	9.4	1.7	10.9	3.5	54	1.1	0.2	0.9	133
580527	Rock	1.08	22.9	3.1	40.3	8.9	31	0.2	26.1	6.5	302	1.49	78.7	3.0	22.4	4.4	25	<0.1	1.3	2.6	55
580528	Rock	1.64	1.8	5.7	29.1	51.3	16	1.0	3.4	0.9	33	1.02	133.5	0.5	2.0	1.7	6	<0.1	5.9	12.1	5
580529	Rock	1.52	6.6	0.4	12.9	35.2	75	0.3	6.4	8.8	302	2.75	13.7	1.7	4.6	6.0	40	0.6	0.7	1.2	57

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CERTIFICATE OF ANALYSIS

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Ca	P	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	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
580525	Rock	0.37	0.063	13	8	0.95	139	0.192	<20	1.62	0.094	0.51	0.5	<0.01	6.7	1.8	0.92	7	1.5	0.3
580526	Rock	1.48	0.144	12	36	1.84	434	0.305	<20	2.17	0.093	1.39	0.8	<0.01	8.3	1.9	0.28	9	<0.5	<0.2
580527	Rock	0.32	0.060	12	43	0.59	647	0.055	<20	1.17	0.053	0.16	0.2	<0.01	2.7	0.2	0.05	5	<0.5	<0.2
580528	Rock	0.01	0.016	5	4	0.03	137	0.001	<20	0.19	0.008	0.10	9.7	<0.01	0.5	0.1	0.07	<1	0.7	0.2
580529	Rock	0.72	0.110	16	13	0.56	282	0.106	<20	1.02	0.142	0.13	0.5	<0.01	4.2	<0.1	1.06	4	0.9	0.4
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

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: WOLF
 Report Date: July 28, 2011

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CERTIFICATE OF ANALYSIS

WHI11000474.2

Method	WGHT	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	
1111036	Rock	0.52	<0.5	1.8	14.3	31.6	82	<0.1	7.8	2.2	105	0.69	25.6	2.9	<0.5	20.0	6	<0.1	0.9	0.4	6
1111037	Rock	1.23	0.6	0.6	15.6	45.9	51	0.2	15.0	5.2	280	1.81	18.0	3.4	1.4	15.9	21	0.3	0.8	1.3	34
1111038	Rock	1.85	8.5	2.2	285.5	13.3	25	0.8	10.1	10.1	232	3.10	14.9	2.3	5.5	9.9	38	0.3	0.5	1.8	74
1111039	Rock	2.01	12.4	9.0	542.4	10.4	39	1.8	4.1	8.3	346	3.86	6.8	2.5	12.5	10.9	19	0.2	3.0	1.3	77
1111040	Rock	1.24	7.9	4.7	232.3	17.1	66	0.9	5.9	4.0	353	1.63	9.3	2.1	3.1	14.9	34	0.5	0.5	0.8	27
1111041	Rock	0.83	<0.5	0.9	6.6	16.7	35	<0.1	4.3	3.2	272	1.49	6.3	7.2	<0.5	41.6	14	0.2	1.3	0.4	27
1111109	Rock	1.76	0.6	2.0	89.3	76.3	39	1.4	2.5	1.6	218	0.84	57.6	1.4	1.8	25.6	3	0.5	3.2	23.0	<2
1111110	Rock	1.36	1.2	1.7	70.0	5.0	27	0.1	6.6	13.8	234	3.30	29.1	0.5	0.9	2.3	35	<0.1	0.3	1.8	94
1111111	Rock	1.48	<0.5	0.6	8.6	19.7	23	<0.1	2.0	1.5	120	1.49	28.9	0.7	1.8	2.9	5	0.1	0.2	0.6	8
1111112	Rock	1.82	<0.5	0.8	10.0	15.4	21	0.3	3.9	0.6	33	0.60	36.2	0.2	1.2	0.8	2	<0.1	0.8	0.7	2
1111113	Rock	1.48	15.2	0.3	35.1	15.3	98	0.4	8.5	17.1	853	5.91	25.6	1.8	14.5	8.3	239	0.2	0.2	0.5	195
1111114	Rock	1.50	5.3	1.1	72.9	14.3	36	0.2	58.3	20.9	250	3.41	13.4	0.5	33.0	1.5	173	<0.1	0.1	0.5	184
1111115	Rock	1.83	<0.5	124.7	402.9	31.4	27	0.5	6.1	4.9	443	1.57	6.2	6.4	<0.5	8.4	22	1.1	<0.1	0.9	28



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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Ca	P	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	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.5	0.2	
1111036	Rock	0.02	0.014	30	4	0.02	26	0.001	<20	0.20	0.042	0.07	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
1111037	Rock	0.29	0.066	20	27	0.42	75	0.104	<20	0.64	0.059	0.13	0.5	<0.01	1.0	0.1	<0.05	4	<0.5	<0.2
1111038	Rock	0.73	0.051	9	6	0.69	83	0.138	<20	1.58	0.195	0.24	0.3	<0.01	3.4	0.4	0.87	6	0.7	<0.2
1111039	Rock	0.52	0.059	12	8	0.96	82	0.180	<20	1.37	0.080	0.31	0.3	<0.01	4.7	0.7	0.30	6	1.1	<0.2
1111040	Rock	0.70	0.057	27	9	0.35	85	0.022	<20	0.74	0.035	0.17	<0.1	<0.01	2.1	0.2	<0.05	3	<0.5	<0.2
1111041	Rock	0.21	0.045	28	7	0.29	31	0.058	<20	0.46	0.051	0.10	0.3	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1111109	Rock	0.04	0.004	37	<1	0.03	51	0.001	<20	0.31	0.028	0.13	0.2	<0.01	0.3	0.2	<0.05	<1	<0.5	<0.2
1111110	Rock	0.77	0.169	10	26	1.05	116	0.243	<20	1.35	0.106	0.68	0.2	<0.01	2.1	2.1	1.23	5	<0.5	<0.2
1111111	Rock	0.03	0.028	8	1	0.17	92	0.003	<20	0.79	0.028	0.38	<0.1	<0.01	0.5	0.3	<0.05	2	<0.5	<0.2
1111112	Rock	0.02	0.013	<1	1	<0.01	23	0.001	<20	0.05	0.003	0.03	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1111113	Rock	2.85	0.287	19	23	1.72	45	0.384	<20	6.19	0.669	1.51	<0.1	<0.01	15.1	1.3	1.96	17	1.4	0.3
1111114	Rock	3.65	0.050	5	84	2.10	253	0.246	<20	7.76	0.522	1.11	0.1	<0.01	16.0	0.9	1.24	14	1.6	<0.2
1111115	Rock	0.35	0.037	11	6	0.42	209	0.045	<20	0.66	0.038	0.31	2.1	<0.01	2.3	0.1	0.78	4	0.6	<0.2



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QUALITY CONTROL REPORT

WHI11000474.2

Method	WGHT	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	
Pulp Duplicates																					
580525	Rock	1.11	4.6	7.0	278.9	26.6	42	1.0	3.9	13.8	315	4.41	16.3	2.2	7.5	10.6	19	0.3	2.2	2.1	80
REP 580525	QC		4.0	8.2	280.3	27.3	45	1.0	4.4	13.6	312	4.36	16.1	2.1	3.1	10.4	18	0.4	2.0	2.0	78
1111039	Rock	2.01	12.4	9.0	542.4	10.4	39	1.8	4.1	8.3	346	3.86	6.8	2.5	12.5	10.9	19	0.2	3.0	1.3	77
REP 1111039	QC		13.0																		
1111109	Rock	1.76	0.6	2.0	89.3	76.3	39	1.4	2.5	1.6	218	0.84	57.6	1.4	1.8	25.6	3	0.5	3.2	23.0	<2
REP 1111109	QC			2.1	91.1	77.7	40	1.5	2.6	1.7	225	0.87	57.9	1.5	0.7	26.3	3	0.6	2.9	23.7	<2
Reference Materials																					
STD CDN-GS-P3A	Standard		378.3																		
STD CDN-GS-P3A	Standard		352.2																		
STD CDN-GS-P3A	Standard		332.0																		
STD DS8	Standard			13.9	110.6	126.3	314	1.8	37.7	7.4	611	2.41	26.6	3.0	87.9	7.2	72	2.1	3.9	6.8	43
STD DS8	Standard			13.7	112.1	129.7	306	1.9	37.4	7.5	623	2.52	29.9	2.9	115.6	7.0	72	2.7	4.9	6.5	42
STD OREAS45CA	Standard			0.7	519.1	14.5	69	0.3	268.8	92.9	955	15.53	4.0	1.2	38.7	7.6	16	<0.1	<0.1	0.2	219
STD OREAS45CA	Standard			0.9	515.7	22.1	63	0.3	258.1	93.2	969	17.07	4.3	1.3	42.1	7.6	16	0.1	<0.1	0.2	217
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	4.8	6.67	41.1
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	1.2	43	7	15	0.1	0.13	0.19	215
STD CDN-GS-P3A Expected				338																	
BLK	Blank		<0.5																		
BLK	Blank		<0.5																		
BLK	Blank		<0.5																		
BLK	Blank		<0.5																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2

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QUALITY CONTROL REPORT

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Ca	P	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	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2		
Pulp Duplicates																				
580525	Rock	0.37	0.063	13	8	0.95	139	0.192	<20	1.62	0.094	0.51	0.5	<0.01	6.7	1.8	0.92	7	1.5	0.3
REP 580525	QC	0.38	0.064	13	8	0.94	135	0.193	<20	1.62	0.093	0.52	0.5	<0.01	7.1	1.9	0.91	8	0.9	0.4
1111039	Rock	0.52	0.059	12	8	0.96	82	0.180	<20	1.37	0.080	0.31	0.3	<0.01	4.7	0.7	0.30	6	1.1	<0.2
REP 1111039	QC																			
1111109	Rock	0.04	0.004	37	<1	0.03	51	0.001	<20	0.31	0.028	0.13	0.2	<0.01	0.3	0.2	<0.05	<1	<0.5	<0.2
REP 1111109	QC	0.05	0.003	38	<1	0.03	53	0.001	<20	0.32	0.027	0.13	0.2	<0.01	0.3	0.2	<0.05	1	<0.5	<0.2
Reference Materials																				
STD CDN-GS-P3A	Standard																			
STD DS8	Standard	0.72	0.083	15	118	0.61	300	0.117	<20	0.93	0.087	0.41	2.3	0.21	1.7	5.4	0.16	5	4.8	4.5
STD DS8	Standard	0.75	0.082	16	114	0.63	313	0.114	<20	0.95	0.090	0.39	2.6	0.18	2.0	5.3	0.18	5	6.2	5.2
STD OREAS45CA	Standard	0.47	0.041	16	735	0.13	172	0.159	<20	3.78	0.013	0.08	<0.1	0.02	38.5	<0.1	<0.05	18	<0.5	<0.2
STD OREAS45CA	Standard	0.45	0.041	16	713	0.15	176	0.150	<20	3.77	0.010	0.08	<0.1	0.03	39.5	<0.1	<0.05	19	<0.5	<0.2
STD DS8 Expected		0.7	0.08	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
STD OREAS45CA Expected		0.4265	0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
STD CDN-GS-P3A Expected																				
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<1	<0.5	<0.2	

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QUALITY CONTROL REPORT

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		WGHT	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
BLK	Blank	<0.5																			
BLK	Blank	<0.5																			
Prep Wash																					
G1	Prep Blank	<0.5	<0.1	1.8	3.3	49	<0.1	3.5	4.1	584	2.07	<0.5	2.2	4.2	5.3	61	<0.1	0.1	<0.1	<0.1	38
G1	Prep Blank	<0.5	<0.1	1.7	4.3	49	<0.1	3.3	4.2	599	2.05	<0.5	2.1	2.9	5.7	69	<0.1	<0.1	<0.1	<0.1	38



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QUALITY CONTROL REPORT

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		1DX Ca %	1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Ti ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
BLK	Blank	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	0.60	0.076	10	7	0.60	214	0.125	<20	0.96	0.075	0.46	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.63	0.076	11	7	0.61	220	0.138	<20	1.01	0.089	0.47	<0.1	<0.01	2.0	0.3	<0.05	6	<0.5	<0.2

Appendix VI – Geophysics

**Logistics
Report**

For the

**High Resolution Helicopter Magnetic and
Gamma-ray Spectrometric Airborne Geophysical Survey**

Flown over

Betty/Bridget/Haynes (BBH), Hen, and Wolf Blocks

From

Coffee Camp, YT, Canada

Carried out on behalf of

ETHOS CAPITAL CORP.

By

New-Sense Geophysics Limited



Toronto, Canada
October 27th, 2011
(HMR110615-report)

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AMENDMENT RECORD

Rev	Date	Description	Report Section	Prepared by

DOCUMENT RECORD

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1. INTRODUCTION

A high sensitivity helicopter magnetic and gamma-ray spectrometric airborne survey was carried out for Ethos Capital Corp. (Client) in the vicinity of Coffee camp (operated by Kaminak Gold Corp.), approximately 100 km south of Dawson City, YT, Canada. The survey was flown over blocks known as Betty/Bridget/Haynes (BBH), Hen, and Wolf.

New-Sense Geophysics (NSG) flew the survey under the terms of an agreement with Client dated June 15th, 2011 (see Appendix G), with the subsequent addition of Haynes and two small extension blocks to the BBH block.

The survey was flown between July 8th and August 12th, 2011. A total of 12,499 line kilometers (BBH: 10,677 km; Hen: 1,261 km; Wolf: 561 km) of field magnetic and radiometric data was flown, collected, processed and plotted.

The geophysical equipment was comprised of 1 high-sensitivity Cesium-3 magnetometer mounted in a fixed stinger assemble, and a 1024-channel spectrometer with four downward looking crystals (total 16 liters), and one upward looking crystal (total 4 liters). Airborne ancillary equipment included; digital recorders, fluxgate magnetometer, radar altimeter, and global positioning system (GPS) receiver. The GPS receiver provided accurate real-time navigation and subsequent flight path recovery. Surface equipment included a magnetic base station with GPS time synchronization, and a PC-based field workstation which was used to check the data quality and completeness on a daily basis.

The technical objective of the survey was to provide high-resolution total field magnetic and radiometric maps suitable for anomaly delineation, detailed structural evaluation, and identification of lithologic trends. Fully corrected magnetic and radiometric maps were prepared by New-Sense Geophysics Limited, in their Toronto office, after the completion of survey activities.

This report describes the acquisition, processing, and presentation of data for the BBH, Hen, and Wolf airborne survey flown over BBH, Hen, and Wolf blocks, Coffee Camp, YT, Canada.

2. SURVEY LOCATION

Datum: WGS84

Projection: Universal Transverse Mercator Zone 7N

Local Datum Transform: World

Table 2.1: BBH Block Coordinates

UTM Zone 7N	
WGS84_X	WGS84_Y
Outside Block Outline	
604447	6987266
606007	6988264
606273	6988058
606201	6987961
606672	6987356
608849	6987375
609103	6986661
609164	6986643
609273	6986286
612163	6986286
615145	6986310
615320	6985772
617884	6985730
617896	6985137
619445	6985137
619469	6984236
619445	6984048
620781	6984073
620781	6983317
626780	6983347
628165	6983341
630300	6982676
630893	6982355
632151	6981623
633336	6980976
633457	6980734
636009	6979755
637170	6979368
637944	6979882
638053	6979882

638114	6979984
638440	6980238
638482	6980027
639384	6979053
640097	6978231
640514	6977825
640799	6977366
641978	6976114
642794	6975219
645764	6971772
647288	6970078
647276	6968966
647245	6967907
647233	6967829
647276	6967297
649997	6967345
654182	6967284
654025	6967224
654085	6964902
654115	6963837
654091	6962930
654043	6962289
656534	6962277
657816	6962283
657762	6958818
657780	6956804
657774	6955002
657738	6951567
654345	6951688
654254	6951621
654212	6951379
651890	6951349
650971	6951337
650940	6952014
650946	6952184
648884	6952262
647729	6952244
647723	6952976
647548	6953139
645619	6953212
644457	6953242
639541	6953290

639674	6955728
639595	6957723
638730	6957735
638755	6959024
637781	6959011
637775	6960396
635894	6960481
633179	6960421
632247	6960421
632272	6958800
632229	6958183
631377	6958195
631383	6957270
628262	6957300
628232	6957893
628250	6958763
625891	6958842
624567	6958842
624543	6958032
622354	6957977
622360	6960735
620570	6960765
620533	6957965
618344	6958020
614824	6958092
614867	6962132
614728	6962719
616760	6962767
616747	6964164
616741	6966486
616766	6970756
616657	6973901
615611	6973737
614824	6973157
613953	6973126
612859	6973090
611595	6973447
610379	6974148
609986	6974312
609079	6974596
607489	6974862
606122	6975044

605868	6975050
605711	6975521
605197	6976035
605257	6977227
605239	6978219
604943	6978618
604876	6978811
604392	6979241
604253	6979603
604265	6979785
604187	6979779
603969	6980196
603449	6980952
603473	6982518
603999	6982543
603951	6982954
604181	6982930
604169	6983099
604459	6983123
604447	6985844
604459	6987260
Inside Block Outline	
629597	6969520
631808	6970873
636084	6965995
636070	6962832
633135	6962886
633149	6964213
631406	6964213
631380	6965486
630495	6965472
630468	6968193
629584	6968233
629570	6969479

Table 2.2: Hen Block Coordinates

UTM Zone 7N	
WGS84_X	WGS84_Y
572737	7031978
578273	7034136
578833	7032537
580372	7032477
581131	7030579
581591	7030559
582590	7028180
586807	7029739
587786	7026981
587746	7026202
587766	7025982
589425	7021945
589985	7021985
590005	7018707
586987	7018727
586947	7019727
584109	7019747
583769	7020666
582970	7020646
581731	7023444
579313	7023584
577754	7027501
576914	7027481
576095	7029240
572697	7029240
572737	7032018

Table 2.2: Wolf Block Coordinates

UTM Zone 7N	
WGS84_X	WGS84_Y
537044	6992971
542037	6993034
542049	6992781
543061	6992781
543077	6990330
545685	6990371
545685	6988416
544334	6988402
544362	6985743
537455	6985672
537399	6988331
537033	6988359
537019	6993002

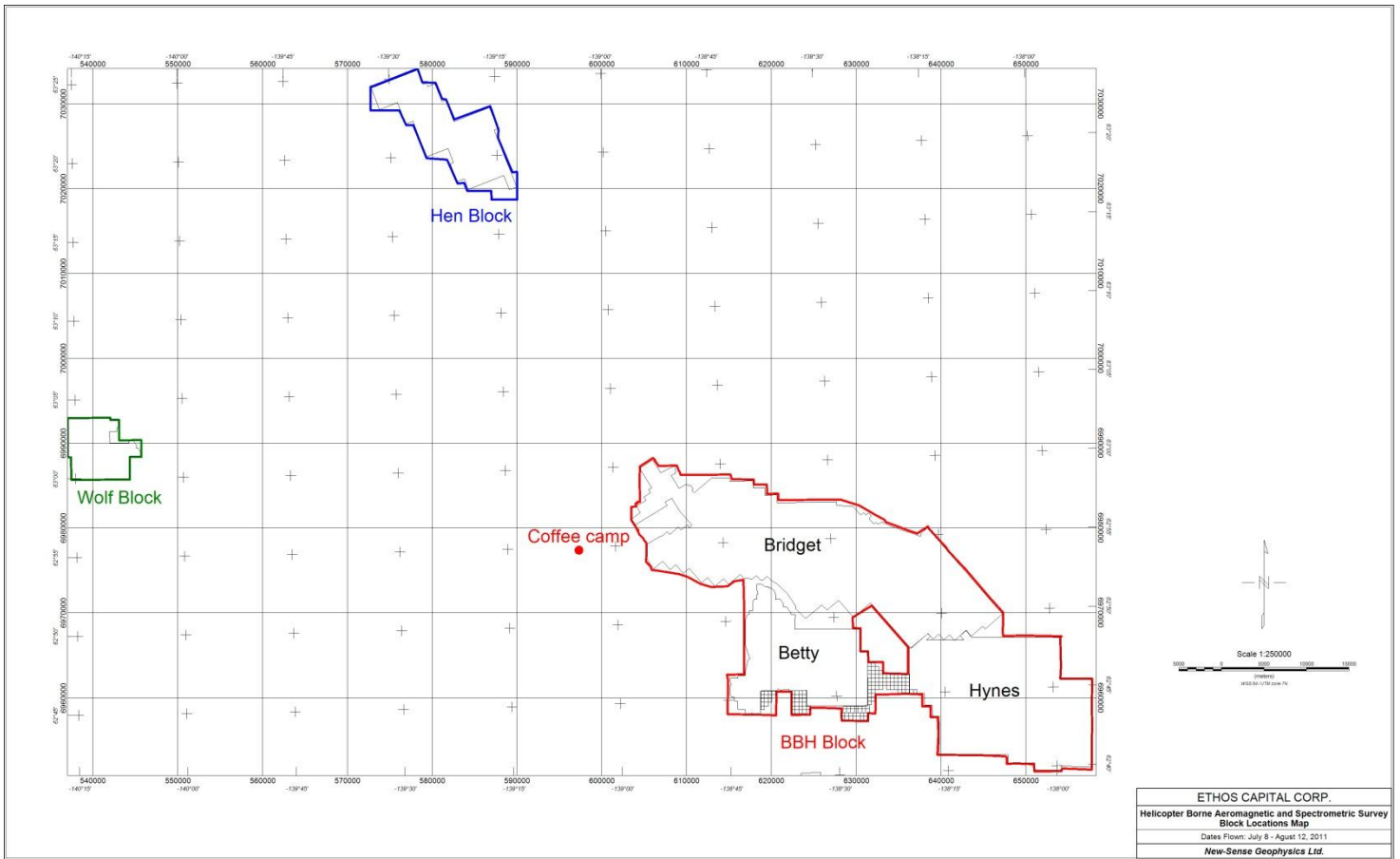


Figure 2.1 Location map depicting the outlines of flown BBH block (red), Hen block (blue), and Wolf block (green). The coordinate system is WGS84, World, UTM Zone 7N. UTM grid size 10 km.

3. PERSONNEL

3.1 FIELD OPERATIONS

New-Sense Geophysics Ltd., Geophysicist: Pawel Starmach

Northern Air Support Ltd., Pilot: Jim Stibbart
Northern Air Support Ltd., Pilot: Mark McGowen

3.2 OFFICE DATA PROCESSING AND OFFSITE QA/QC

QA/QC (NSG): Andrei Yakovenko

Data Processing and Grids (NSG): Andrei Yakovenko
Pawel Starmach

Maps (NSG): Andrei Yakovenko

Logistics Report (NSG): Andrei Yakovenko

3.3 PROJECT MANAGEMENT

New-Sense Geophysics Ltd.: Andrei Yakovenko, Vice President,
Operations

Ethos Capital Corp. Peter Tallman, Chief Operating Officer

4. SURVEY PARAMETERS

Traverse Line spacing:	100 m
Control Line spacing:	1000 m
Average Terrain clearance:	36 m (BBH); 43 m (Hen); 42 m (Wolf)
Navigation:	GPS
Traverse Line direction:	0 ⁰ , 180 ⁰
Control Line direction:	90 ⁰ , 270 ⁰
Measurement interval:	0.02/0.1 sec for magnetic; 1.0 sec for radiometric; 1.0 sec for GPS
Groundspeed (average):	124 km/hr (BBH); 131 km/hr (Hen); 123 km/hr (Wolf)
Measurement spacing (average):	3.4 m/0.1 sec for magnetic; 34/1.0 sec for radiometric (BBH) 3.6 m/0.1 sec for magnetic; 36/1.0 sec for radiometric (Hen) 3.4 m/0.1 sec for magnetic; 34/1.0 sec for radiometric (Wolf)
Airborne Digital Record:	Line Number Flight Number Radar Altimeter Total Field Magnetics Live Time Thorium counts Potassium counts Uranium counts Upward looking Uranium counts Cosmic counts Down Spectrum Up Spectrum Total Counts Time (System and GPS) Raw Global Positioning System (GPS) data Magnetic compensation parameters (fluxgate mag.)
Base Station Record:	Ambient Total Field Magnetics Raw Global Positioning System (GPS) data Time (System and GPS)

5. AIRCRAFT AND EQUIPMENT

5.1 AIRCRAFT

The aircraft used was a Bell 206 B3 helicopter (C-GMPS) equipped with a Cesium magnetometer mounted in a fixed stinger assembly and RS-500 airborne spectrometer mounted in the storage compartment. The aviation company providing the aircraft service was Northern Air Support based in Kelowna, BC, Canada.

5.2 AIRBORNE GEOPHYSICAL SYSTEM

5.2.1 MAGNETOMETER

One Scintrex CS-3 optically pumped Cesium split beam sensor was mounted in a fixed stinger assembly. The magnetometer's Larmor frequency output was processed by a KMAG-4 magnetometer counter, which provides a resolution of 0.15 ppm (in a magnetic field of 50,000 nT, resolution equivalent to 0.0075 nT). The raw magnetic data was recorded at 50 Hz, anti-aliased with 51 point COSINE filter and resampled at 10 Hz .

5.2.2 MAGNETIC COMPENSATION

The proximity of the aircraft to the magnetic sensor creates a measurable anomalous response as a result of the aircraft's movement. The orientation of the aircraft with respect to the sensor and the motion of the aircraft through the earth's magnetic field are contributing factors to the strength of this response. A special calibration flight, Figure of Merit (i.e., FOM), was flown to record the information necessary to compensate for these effects.

The FOM maneuvers consist of a series of calibration lines flown at high altitude to gain information in each of the required line directions. During this procedure, pitch, roll and yaw maneuvers are performed on the aircraft (typical angle ranges are 10° pitch, 10° roll, and 10° yaw). Each variation is conducted three times in succession (first pitch, then roll, then yaw), providing a complete picture of the aircraft's effects at designated headings in all orientations.

A three-axis Bartington fluxgate magnetometer (recorded at 50 Hz) was used to measure the orientation and rates of change of the magnetic field of the aircraft, away from localized terrestrial magnetic anomalies. The QC Tools digital compensation algorithm was then applied to generate a correction factor to compensate for permanent, induced, and eddy current magnetic responses generated by the aircraft's movements.

5.2.3 GPS NAVIGATION

A U-BLOX RCB-LJ sixteen channel GPS receiver, which is an integral component of the iNAV V3 computer system, was used to run the flight control system and provide precise positioning of the aircraft.

5.2.4 ALTIMETER

A TRA 3500 radar altimeter was mounted inside the stinger. This instrument operates with a linear performance over the range of 0 to 2,500 feet and records the terrain clearance of the sensors. The raw radar altimeter data was recorded at 50 Hz, anti-aliased with a 21 point COSINE filter and re-sampled at 10 Hz.

5.2.5 GEOPHYSICAL FLIGHT CONTROL SYSTEM

New-Sense's iNAV V3 geophysical flight control system monitored and recorded magnetometer, spectrometer, altimeter, and GPS equipment performance. Input from the various sensors was monitored every 0.005 seconds for the precise coordination of geophysical and positional measurements. The input was recorded fifty times per second (one time per second in the case of GPS and radiometric data).

GPS positional coordinates and terrain clearance were presented to the pilot by means of a panel mounted indicator display. The magnetometer response, forth difference, altimeter profile and profiles of the radiometric windows were also available on the touch screen display, for real-time monitoring of equipment performance.

5.2.6 SPECTROMETER

The RS-500 Airborne Spectrometer with RSX-5 detector pack, manufactured by Radiation Solutions Inc. (RSI), was used for the survey. The RS-500 spectrometer has a multi-peak gain stabilization algorithm and is capable of recording 1024 channels with accuracy of 0.1 to 10 counts/second.

The RS-500 is connected to a crystal pack comprising four downward looking crystals (16 liters total) and one upward looking crystal (4 liters total). The downward crystals record the radiometric spectrum from 410 KeV to 2810 KeV over 1024 discrete energy windows, as well as from a cosmic ray channel that detects photons with energy levels above 3.0 MeV. From these 1024 channels, the standard Total Count, Potassium, Uranium and Thorium channels are extracted. The upward crystal is used to measure and correct for atmospheric Radon interference. The shock-protected Sodium Iodide (Thallium) crystal package is unheated and automatically stabilizes with respect to the multiple peaks. The RS-500 provides raw data that has been automatically corrected for gain, base level, ADC offset, and dead time.

5.2.7 IDAS DIGITAL RECORDING

The output of the CS-3 magnetometer, fluxgate magnetometer, altimeter, temperature, pressure, GPS coordinates, and time (system and GPS), were recorded digitally on a Compact Flash drive at a sample rate of fifty times per second (one time per second for GPS) by the iNAV V3 system.

5.2.8 PRESSURE AND TEMPERATURE

A Honeywell Precision Pressure Transducer, model PPT0020AWN2VA-A, was used to record the ambient pressure and temperature during the survey. The device was mounted within the helicopter stinger. The pressure and temperature output units were mbar and degrees Celsius respectively.

5.2.9 SPECTROMETER DIGITAL RECORDING

The output of the RS-500 spectrometer, GPS coordinates, and time (UTC), were recorded digitally on an internal RS-500 flash drive at a sample rate of 1 Hz. After each flight the data were copied and synchronized using UTC clock with the iDAS digital records.

5.3 GROUND MONITORING SYSTEM

5.3.1 BASE STATION MAGNETOMETER

A Scintrex CS-3 optically pumped cesium split beam sensor was used at the base of operations within the airport boundaries, in an area of low magnetic gradient and low/free from cultural electric & magnetic noise sources. The sensitivity and absolute accuracy of the ground magnetometer is +/- 0.01 nT. Data was recorded continuously at least every one second throughout all survey operations in digital form on a TC-10 data acquisition system. Both the ground and airborne magnetic readings were synchronized based on the GPS clock.

5.3.2 RECORDING

The output of the magnetic and GPS monitors was recorded digitally on a dedicated TC-10 computer. A visual record of the last three hours was graphically maintained on the computer screen to provide an up to date appraisal of magnetic activity. At the conclusion of each production flight raw GPS and magnetic data were transferred to the main field compilation computer.

5.4 FIELD COMPILATION SYSTEM

A field laptop computer was used for field data processing and presentation. The raw data was imported to Geosoft Oasis montaj for QA/QC and processing purposes. After the data was checked for quality control, the database with uncompensated magnetic readings was exported to QC Tools software package for magnetic compensation and base station data merging purposes. The compensated database was then imported back to Oasis for the subsequent and final processing.

6. PRE-SURVEY SPECTROMETER CALIBRATIONS

Pre-survey calibrations, and testing of the RS-500 (SN 5516) airborne gamma-ray spectrometry system were carried out on June 24th and 25th, 2011 in the vicinity of the survey area. For these calibrations and tests, the survey aircraft (registration C-GMPS) was mobilized in survey configuration. The installed equipment and configurations were selected to conform to the contracts technical specifications.

Calibration of the spectrometer system is a vital process to airborne gamma-ray spectrometry. The calibration of the spectrometer system involved three tests:

- **Calibration Pad** measurements, which are used to determine the “spectral overlap” (Compton scattering) coefficients. The calibration test was performed within a 12 month period before the survey by the manufacturer (Radiation Solutions Inc.), at its headquarters location in Mississauga, Ontario.
- **Cosmic Flight Test**, which is used to determine cosmic coefficients and aircraft background noise, was conducted on June 24th, 2011.
- **Height Attenuation Test**, which determined the altitude attenuation coefficients, was conducted on June 25th, 2011.

6.1 ENERGY WINDOWS

The airborne radiometric technique requires measurement of count rates for specific energy regions or windows in the natural gamma-ray spectrum. The standard energy regions (in accordance with the International Atomic Energy Agency (IAEA) 323), and their corresponding channel limits are:

Table 6.1 Downward spectrometer energy windows

Designation	Energy Limit (keV)		Channel Limit (inclusive)	
	Lower	Upper	Unit Values	
			Lower	Upper
Total Count (TC)	410	2810	137	937
K	1370	1570	457	523
U	1660	1860	553	620
Th	2410	2810	803	937
U (upward)	1660	1860	553	620
Cosmic	3200	infinity		

6.2 CALIBRATION PAD TEST

The Compton stripping coefficients as provided by RSI are listed below:

Table 6.2 Compton stripping coefficients

Stripping Ratios	Spectrometer (SN 5516)	“normal” values
Th into U ($\alpha = a_{23}/a_{33}$)	0.271	0.250
Th into K ($\beta = a_{13}/a_{33}$)	0.399	0.400
U into K ($\gamma = a_{12}/a_{22}$)	0.752	0.810
U into Th ($a = a_{32}/a_{22}$)	0.046	0.060
K into Th ($b = a_{31}/a_{11}$)	0	0
K into U ($g = a_{21}/a_{11}$)	0	0.003

6.3 COSMIC FLIGHT TEST

In each of the spectral windows, the radiation increases exponentially with height due to radiation of cosmic origin. As well, the aircraft itself contributes a constant background to the count rate. By completing a series of flights within the same region, over a range of altitudes, these background contributions can be determined.

6.3.1 SETUP AND MEASUREMENT PROCEDURE

1. A resolution check was completed at the aircraft base prior to the cosmic test to insure the sensitivity and accuracy of the spectrometer.
2. Once the aircraft reached the desired altitude (first at ~9,300 feet), survey data were recorded for approximately ten minutes.
3. Step 2 was then repeated at the following remaining altitudes: 10,400, 11,500 and 12,400 feet above sea level (see table 6.3).

Table 6.3 Cosmic Test data

Altitude (ft)	Cosmic Test Flight Data (average counts)					
	Cosmic	UU	K	U	Th	TC
12434	346	5	31	21	23	450
11472	300	5	28	18	20	405
10419	255	4	26	16	16	357
9383	218	4	23	14	14	311

6.3.2 RESULTS FROM COSMIC FLIGHT TEST

At each altitude, the raw data for the five windows of interest (Th, K, U, TC, and U upward) were evaluated for quality. The mean values were then extracted and plotted against the cosmic background window (see Appendix A). The result is a linear trend, where the slope and intercept represent the cosmic stripping ratio and the aircraft background respectively. The results from the graphs are summarized below.

Table 6.4 Cosmic and aircraft background coefficients

Cosmic Flight Test Result		
Element	Cosmic	Aircraft Background
K	0.0604	10.108
U	0.0537	2.231
Th	0.0724	0
TC	1.0812	78.286
UU	0.0094	1.8768

6.4 ALTITUDE ATTENUATION TEST

The height attenuation of the spectrometer systems was calculated by flying a series of passes across a line over flat ground with uniform radioelement ground concentration. The test range was flown by acquiring data on a series of seven passes over a set path, at the following altitudes: 50, 100, 150, 200, 300, 500, 700, and 1000 feet above ground.

6.4.1 RESULTS FROM ALTITUDE ATTENUATION TEST

The airborne data from the altitude attenuation test was checked for quality, edited and divided into lines, where each line represents a pass. The radiometric windows were then corrected for background (aircraft and cosmic) and stripped of Compton contributions. After averaging the data for each line, the four windows of interest (K, U, Th, and Total Count) were plotted against the altimeter in order to obtain the height attenuation. The results were obtained using an exponential regression, where the slope represents the attenuation coefficient and the 'y' intercept represents the counts at 0 feet (see Table 6.5 and Appendix A).

Table 6.5 Height Attenuation coefficients

Element	Altitude attenuation coefficients
K	-0.014
U	-0.007
Th	-0.009
TC	-0.009

6.5 RADON HOVER TEST

On all survey flights, at least one radon normalization test was flown before or after data collection.

The test consisted of the helicopter hovering over a designated test area at nominal survey altitude (UTM WGS84_X: 597080; WGS84_Y: 6977260, Zone 7N) once daily (on production days only). The tests consisted of the pilot being guided using the iDAS navigation system, at fixed speed, and for approximately 5 min to allow for adequate statistics to be collected.

The determination of calibration constants that enable the stripping of the effects of atmospheric radon from the downward-looking detectors through the use of an upward looking detector is divided into two parts:

- 1) Determining the relationship between the upward and downward looking detector count rates for radiation due to atmospheric radon.

The procedures describing how to determine these calibration factors are documented in IAEA Report #323 on airborne gamma-ray surveying.

The hover tests or test lines normally require many over-water measurements where there are little to no contributions from the ground. Where this is not possible, it is standard procedure to establish a test line/spot over ground where a series of repeat measurements are acquired.

Two test areas were established over a flat ground near the base of operations. Each day when flying took place, the aircraft hovered over the test area for ~5 min. The test results were used to estimate the relationships between the background and cosmic corrected counts in the downward uranium window and in the other four windows (i.e., potassium, thorium, total count and upward uranium) due to atmospheric radon. The following relationship coefficients were calculated and used.

Note: Only the “a” constants were used in the final processing. The “b” constants are normally near zero for over-water calibrations.

Table 6.6 Calibrations Factors

a_{uu}	0.25	Upward Uranium vs down Uranium slope
a_k	1.13	Potassium vs down Uranium slope
a_T	0.1	Thorium vs down Uranium slope
a_i	15.66	Total Count vs down Uranium slope
b_{uu}	-3.9	Upward Uranium background
b_k	77.86	Potassium background
b_T	20.55	Thorium background
b_i	558.32	Total Count background

2) Determining the relationship between the upward and downward looking detector count rates for radiation originating from the ground using complete survey dataset.

The component of the upward detector count rate originating from the ground depends on the concentration of uranium and thorium in the ground, as are the components of the uranium and thorium down window count rates that originate from the ground (see IAEA Report #323). Consequently the upward detector ground component is related to the downward detector ground components by linear equation:

$$u_g = a_1 \times U_g + a_2 \times T_g$$

Where:

- u_g , U_g and T_g are contributions in the windows that originate from the ground.
- a_1 and a_2 are empirically determined calibration factors

The procedure, as per IAEA Report # 323, in determining, the a_1 and a_2 factors were applied to each survey block's dataset separately with the following results:

Table 6.7 BBH block a_1 and a_2 factors

a_1 :	0.047
a_2 :	0.036

Table 6.8 Hen block a_1 and a_2 factors

a_1 :	0.032
a_2 :	0.035

Table 6.9 Wolf block a_1 and a_2 factors

a_1 :	0.045
a_2 :	0.040

6.6 RADIOELEMENT GROUND CONCENTRATIONS AND SYSTEM SENSITIVITIES

The radiometric ground concentrations were measured using a calibrated portable spectrometer (RSI-125) during the same time as the airborne altitude attenuation flights took place (i.e., June 25th, 2011). The sensor was positioned one meter above the soil and away from the operators' body in the vicinity of altitude attenuation test strip. Fourteen 300-second measurements were taken over the length of the calibration range.



The resulting mean radiometric equivalent ground concentrations for the calibration range on were as follows:

Table 6.10 Ground concentrations

Radio Element	Ground Concentration	
Potassium	0.9	%
Equivalent Uranium	1.86	<i>ppm</i>
Equivalent Thorium	5.28	<i>ppm</i>
Total	35.98	<i>nGy/h</i>

Using these ground concentrations and the altitude attenuation calibration flight data, the System Sensitivities were obtained:

$$S = N/C$$

Where:

- *S* is the sensitivity for each window
- *N* is the striped count rate in the window at the survey altitude (i.e, 30m)
- *C* is the respective ground radioelement concentration.

With the following results:

Table 6.11 Sensitivities @ 30m from

	Sensitivities @ 30m
K	89.34 <i>cps</i> / (%)
U	6.43 <i>cps</i> / (<i>ppm</i>)
Th	3.98 <i>cps</i> / (<i>ppm</i>)
TC	22.78 <i>cps</i> / (<i>nGy/h</i>)

Note: Determining of radioelement ground concentrations and system sensitivities were not part of the signed agreement. Such data are made available to the client as a courtesy.

7. OPERATIONS AND PROCEDURES

7.1 FLIGHT PLANNING AND FLIGHT PATH

The block outline coordinates (section 2.0) were used to generate pre-calculated navigation files. The navigation files were used to plan flights at the designated traverse line spacing of 100 meters and control lines of 1000.

Preliminary flight path maps and magnetic maps were plotted and updated, to monitor coverage of the survey area.

7.2 BASE STATION

The magnetic base station was established in magnetically quiet area at the camp site at latitude: -62.912537; and longitude: -139.088559.

The base station readings were monitored to ensure that the diurnal variation were within the peak-to-peak envelope of 20 nT from a long chord distance equivalent to a period of two minutes.

7.3 AIRBORNE MAGNETOMETERS

The FOM tests of the performance of the CS-3 and fluxgate magnetometers were performed on July 8th, and July 22nd, 2011 in order to monitor the ability of the system to remove the effects of aircraft motion on the magnetic measurement.

The FOM maneuvers consisted of a series of calibration lines flown at high altitude (10,000+ ft above sea level) to gain information in each of the required line directions. During this procedure, pitch, roll, and yaw maneuvers were performed on the aircraft.

The following ranges were used:

Pitch: 10-15°

Roll: 10-15°

Yaw: 10-15°

The total FOM noise was 0.7 nT with an envelope of 0.08nT (July 8th test); and 0.97 nT with an envelope of 0.11 nT (July 22nd test) (Appendix B).

7.4 THORIUM RESOLUTION TESTS

In order to monitor the resolution of the crystal pack, a twice-daily a resolution test of the spectrometer was performed in RadAssist (RSX-5 spectrometer interface program) using ~2000 thorium background counts per crystal.

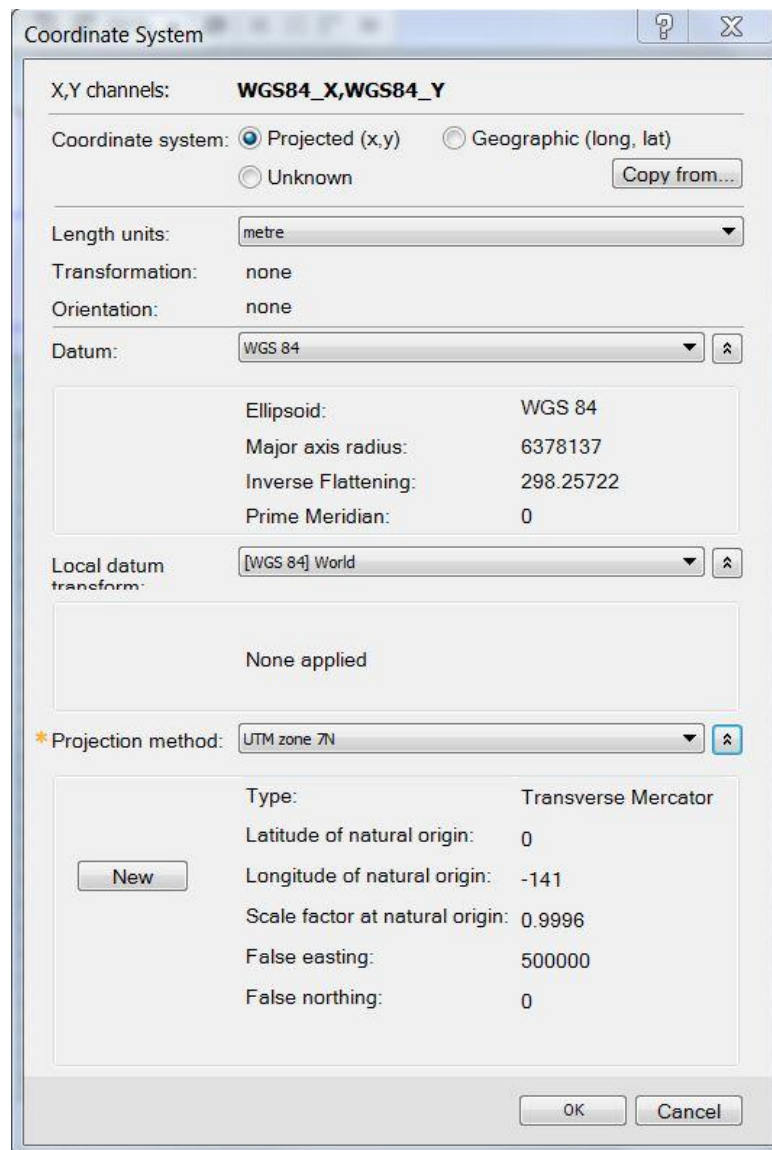
The results from the resolution tests were always found to be within the contract specifications (see Appendix D for the daily test results).

7.5 DATA COMPILATION

Data recorded by the airborne and base station systems was transferred to the field compilation system. As each flight was completed, the following compilation operations were carried out:

7.5.1 FLIGHT PATH CORRECTIONS

The navigational correction process yields a flight path expressed in WGS84, World and transformed to correspond to WGS84, World, UTM Zone 7N.



All 1.0 Hz GPS records were linearly interpolated and resampled at 10 Hz (0.1 sec) intervals.

7.5.2 MAGNETIC CORRECTIONS

7.5.2.1 FILTERING AND COMPENSATION

The raw 50Hz magnetic data were filtered, along with the fluxgate magnetometer data, with a 51 cosine anti-aliasing algorithm and re-sampled at 10 Hz.

The filtered and re-sampled data were stored in the MAG_FILT channel.

Then the MAG_FILT data were compensated for permanent, induced, and eddy current magnetic noise generated by the aircraft using data from the fluxgate magnetometer error (see Appendix B).

The compensated magnetic data were then stored in the MAG_COMP channel.

7.5.2.2 DIURNAL CORRECTIONS

The compensated magnetic data were adjusted to account for diurnal variations. When the magnetic variations recorded at the base station recognized to be caused by man-made sources, (such as equipment, vehicles passing by the sensor), they were removed and gaps interpolated.

The diurnal data were recorded at 1Hz and filtered with a 31-point low pass filter. The filtered data were then subtracted directly from the aeromagnetic measurements to provide a first order diurnal correction.

After base station removal, the total magnetic field values become very small. To bring the total magnetic measurements back to 'normal' values, project averages (i.e., BBH: 57,197.57 nT; Hen: 57,186.76 nT; Wolf: 57,202.48 nT) from the base station readings were added back to the magnetic data.

The resulting base station corrected data were stored in the MAG_DIURNAL_CORR channel.

7.5.2.3 HEADING CORRECTIONS

Optically pumped magnetic sensors have an inherent heading error, typically 1 to 2 nT peak-to-peak, as the sensor is rotated through 360 degrees. On flight line directions of the opposite heading, the affect is reasonably predictable.

Results from the previously flown (June 23rd, 2011 in 45⁰, 135⁰, 225⁰, and 315⁰ directions for Kaminak Gold Corp.) heading test flight were used to estimate the heading errors for 0⁰, 90⁰, 180⁰, and 270⁰ directions by interpolation.

The following heading corrections were applied to the data set:

```
/ Geosoft Heading Correction Table
/= Direction:real:i
/= Correction:real
/   Direction  Correction
   0   -1.03
   90   0.43
  180   1.03
  270  -0.43
  360  -1.03
```

The heading corrected magnetic data were stored in MAG_HEADING_CORR channel.

7.5.2.4 LAG CORRECTIONS

There are two potential types of Lag offsets when collecting airborne data: time lag and distance lag.

NSG insures that there is no time lag in the data acquisition system by recording unique markers every 1-second based on the GPS time stamp (associated with the EXACT change in GPS positioning). This information is used to realign (if necessary) the individual data records.

The distance lag is determined by dividing the distance from the GPS antenna to the sensor head by the averaged sample rate distance.

$$5.2 / 3.44 \text{ m} = 1.51 \text{ records}$$

$$5.2 / 3.6 \text{ m} = 1.44 \text{ records}$$

$$5.2 / 3.4 \text{ m} = 1.53 \text{ records}$$

A lag corrections of -2 records (BBH and Wolf) and -1 record (Hen) were applied to the MAG_HEDAING_CORR channel and stored in the MAG_LAG_CORR channel.

7.5.2.5 IGRF CORRECTIONS

The total field strength of the International Geomagnetic Reference Field (IGRF, 2010 model) was calculated for every data point, based on the spot values of Latitude, Longitude and altitude. This IGRF was removed from the measured survey data on a point-by-point basis from the lag corrected channel.

After IGRF correction the total magnetic field values become negative. To bring the total magnetic measurements back to ‘normal’ values an average (i.e., BBH: 57,298.31 nT; Hen: 57,324.55 nT; Wolf: 57,182.47 nT) of IGRF values based on the whole project were added back to the magnetic data.

The IGRF corrections were applied to the MAG_LAG_CORR channel and stored in the MAG_IGRF_CORR channel.

7.5.2.6 LEVELING CORRECTIONS

After the data were corrected for IGRF, a survey traverse/control line intercepts array/matrix (i.e., Simple Leveling) was created for determining differences in magnetic field at the intersection points. The somewhat rugged terrain of the survey blocks, resulted in some line-to-line difference in altitude, and relatively strong magnetic anomalies made magnetic signal at some Traverse/Control line intersection points quite different. As a result, some of those intersection points needed to be manually adjusted in order to reduce line-to-line magnetic differences.

The resulting simple leveled magnetic data were stored in MAG_SMPL_LVL channel.

Further it was decided to apply microlevelling techniques to the conventionally leveled magnetic data (see Appendix F for full description of the procedure).

The following key parameters were used:

Table 7.2 Magnetic data microlevelling parameters

Block Name	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
BBH BK	100	0	20	400	20	clip	250
Hen BK	100	0	20	400	17.4	clip	500
Wolf BK	100	0	20	400	33.9	clip	200

The resulting microleveled magnetic data were stored in the TMI_FINAL channel.

In addition, the BBH block was fully decorrugated (i.e., microleveled without constraints on Amplitude Limit and Naudy Filter) and stored in TMI_decor channel. Such data is to be treated with caution, as pure decorrugation procedure tends to remove significant amount of geological signal along with the line-to-line linear noise offsets.

7.5.3 VERTICAL DERIVATIVE

A 1-st Order Vertical Derivative (VDV) dataset was calculated using 2D FFT2 algorithm based on the final TMI grids and sampled back to the database.

The VDV data were stored in the VDV channel.

7.5.4 GRIDDING

The final TMI and VDV grids were produced from the TMI_FINAL and VDV channels respectively.

The data were gridded using a bi-directional line gridding method with a grid cell size of 20 meters, Akima interpolation method for across and down line spline and trend angles perpendicular to those of traverse line directions.

7.5.5 RADIOMETRIC DATA CORRECTIONS

7.5.5.1 LIVE TIME CORRECTIONS

The spectrometer uses the notion of “live time” to express the relative period of time the instrument was able to register new pulses per sample interval.

The live time correction is applied to the total count, potassium, uranium, thorium and upward uranium channels.

The formula used to apply the correction is as follows:

$$C_{LT} = C_{raw} \times \left(\frac{1000}{LT} \right)$$

Where:

- C_{LT} is the live time corrected channel
- C_{raw} is the raw channel
- LT is the Live Time channel

7.5.5.2 PRE-FILTERING

The cosmic channel data were processed with a 15-point low pass filter to remove spikes.

When Radon corrections were applied, live time, background, and cosmic corrected uranium, thorium, and upward uranium were pre-filtered with 3, 3 and 21 (BBH, Wolf) and 3, 3, 5 (Hen) point low pass filters respectively.

The radar altimeter channel while recorded at 50Hz was filtered with 21-point COSINE filter and then sampled to 1Hz.

7.5.5.3 AIRCRAFT AND COSMIC BACKGROUND

Aircraft background and cosmic stripping corrections (see section 6.3.2) were applied to the live corrected total count, potassium, uranium, thorium and upward uranium channels using the following formula:

$$C_{ac} = C_{LT} - (ac + bc \times cof)$$

Where:

- C_{ac} is the background and cosmic corrected channel
- C_{LT} is the live time corrected channel
- ac is the aircraft background for this channel
- bc is the cosmic stripping coefficient for this channel
- cof is the filtered cosmic channel

7.5.5.4 RADON CORRECTION

Once the survey was completed, the relationships between the counts in the downward uranium window and in the other four windows (i.e., upward uranium, thorium, potassium and total count) due to atmospheric radon were determined using linear regression for the test site (see section 6.5 for the resulting values).

The equations solved for were:

$$u_r = a_u \times U_r + b_u$$

$$K_r = a_K \times U_r + b_K$$

$$T_r = a_T \times U_r + b_T$$

$$I_r = a_I \times U_r + b_I$$

Where:

- u_r is the radon component in the upward uranium window

- K_r , U_r , T_r and I_r are the radon components in the various windows of the downward detectors
- the various “ a ” and “ b ” coefficients are the required calibration constants

After the “ a ” coefficients were established, the background and cosmic corrected thorium, uranium and upward uranium data for each line were smoothed with 3, 3 and 21 point low pass filters (BBH, and Wolf) and 3, 3, and 5 point low pass filter (Hen) to produce Th_f , U_f , and u_f respectively. The radon component in the downward uranium window was then determined using the following formula:

$$U_r = \frac{(u_f - a_1 \times U_f - a_2 \times Th_f + a_2 \times b_T - b_U)}{(a_u - a_1 - a_2 \times a_T)}$$

Where:

- U_r is the radon component in the downward uranium window
- u_f is the filtered upward uranium
- U_f is the filtered uranium
- Th_f is the filtered thorium
- a_1 , a_2 (see section 6.5), a_u and a_t are proportionality factors
- b_u and b_t are background constants

Note: the “ b ” background constants are normally near zero for over-water calibrations and as such they were not included in the calculation of U_r .

The effects of radon in the downward uranium are removed by directly subtracting U_r from background and cosmic corrected uranium.

The effects of radon in the Total Count, Potassium, Thorium and upward Uranium are then removed based upon previously established relationships with U_r .

The corrections were applied using the following formula:

$$C_{rc} = C_{ac} - (ac \times U_r + bc)$$

Where:

- C_{rc} is the radon corrected channel
- C_{ac} is the background and cosmic corrected channel

- U_r is the radon component in the downward uranium window
- ac is the proportionality factor and
- bc is the background constant for this channel

7.5.5.5 COMPTON STRIPPING

Following the radon corrections the potassium, uranium and thorium were corrected for spectral overlap (see section 6.2). First the stripping ratios α , β , and χ were modified according to altitude. Then an adjustment factor based on the reversed stripping ratio (a), uranium into thorium, was calculated.

$$\begin{aligned}\alpha h &= \alpha + hef \times 0.00049 \\ \beta h &= \beta + hef \times 0.00065 \\ \chi h &= \chi + hef \times 0.00069\end{aligned}$$

Where:

- α, β, χ are the Compton stripping coefficients
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- hef is the height above ground in meters

The stripping corrections are then carried out using the following formulas:

$$ar = \frac{1}{1 - a\alpha h}$$

$$Th_c = (Th_{bc} - aU_{rc}) \times ar$$

$$U_c = (U_{rc} - Th_{bc}\alpha h) \times ar$$

$$K_c = K_{bc} - \beta h Th_c - \chi h U_c$$

Where:

- $U_c, Th_c,$ and K_c are corrected Uranium, Thorium and Potassium
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- $U_{bc}, Th_{bc},$ and K_{bc} are background and cosmic corrected Uranium, Thorium and Potassium
- ar is the backscatter correction
- a is the reverse stripping ratio U into Th

7.5.5.6 EQUIVALENT HEIGHT AT STP

The following formula was used to calculate Equivalent Height at STP:

$$H_e = H \times \left(\frac{273.15}{T + 273.15} \right) \times \left(\frac{P}{1013.25} \right)$$

Where:

- H is the observed height
- H_e is the equivalent height at STP
- T is the temperature in degrees Celsius
- P is the barometric pressure in mbar.

7.5.5.7 HEIGHT ATTENUATION CORRECTIONS

The Total Count, Potassium, Uranium and Thorium data were then corrected to a nominal survey altitude of 30m (see section 6.4.1) using the following equation:

$$C_a = C \times e^{-\mu(h_0 - h_e)}$$

Where:

- C_a is the output altitude corrected channel
- C is the input channel
- μ is the attenuation correction for that channel
- h_e is the STP height
- h_0 is the nominal survey altitude

The altitude attenuation corrected data were then stored in U_CORR, Th_CORR, K_CORR and TC_CORR channels.

7.5.5.8 LEVELING OF HEIGHT ATTENUATION CORRECTED DATA

The resulting height attenuation corrected data were further microleveled using the following key parameters (see Appendix F for full description of the procedure).

Table 7.4 Radioelement microlevelling parameters

Radioelement	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
U	100	0	20	400	10	Clip	0
K	100	0	20	400	15	Clip	0
Th	100	0	20	400	10	Clip	0
TC	100	0	20	400	100	Clip	0

The resulting microleveled altitude attenuation corrected line data were then stored in the final U_FINAL, K_FINAL, Th_FINAL and TC_FINAL channels.

Note: in the instances where no microlevelling was applied (i.e., all of the control lines), the data in the final channels were copied directly from U_CORR, Th_CORR, K_CORR and TC_CORR.

7.5.5.9 CONVERSION TO APPARENT RADIOELEMENT CONCENTRATIONS

The next step is to convert the corrected potassium (K_FINAL channel), uranium (U_FINAL channel) and thorium (Th_FINAL channel) to apparent radioelement concentrations (see section 6.6) using the following formula:

$$eE = C_{cor} / s$$

Where:

- eE is the element concentration $K_{\%}$ and equivalent element concentration of U_{ppm} & Th_{ppm}
- s is the experimentally determined sensitivity
- C_{cor} is the fully corrected channel

The resulting apparent concentration data were stored in K_Percent, eU and eTh channels.

Note 1: experimentally determined sensitivities (Table 6.9, Section 6.6) were used when calculating the above apparent radioelement concentrations. These channels were used in producing of the corresponding grids.

Note 2: determining of apparent radioelement concentrations were not part of the signed agreement. Such data are made available to the client as a courtesy.

7.5.5.10 AIR ABSORPTION DOSE RATE

Finally the natural air absorption dose rate was determined using the following formula:

$$E = 13.078 \times K_{\%} + 5.675 \times eU_{ppm} + 2.494 \times eTh_{ppm}$$

Where:

- E is the air absorption rate (nGy/h)
- $K_{\%}$ is the concentration of potassium (%)
- eU_{ppm} is the equivalent concentration of potassium (ppm)
- eTh_{ppm} is the equivalent concentration of potassium (ppm)

The resulting natural air absorption rate data were stored in E channel.

Note 1: K_percent, eU and eTh channels (Section 7.5.5.9) were used when calculating the above air absorption rate. This channel was used in producing of the corresponding grid.

A detailed description of how most of the procedures, formulae and constants were determined could be found in:

I.A.E.A. *Report, Airborne Gamma Ray Spectrometer Surveying*, Technical Report Series No. 323, 1991.

and

I.A.E.A *Guidelines for Radioelement Mapping Using Gamma Ray Spectrometry Data*, Technical Document No. 1363, 2003.

7.5.5.11 GRIDDING

Two sets of radiometric grids were produced per block: one, in counts/sec units; and the second set in percent for K, ppm for Th and U, and nGy/h for E (Dose Rate). The counts/sec grids were made from the corresponding U_FINAL, Th_FINAL, K_FINAL and TC_FINAL channels. The apparent radioelement concentration grids were made from the corresponding K_Percent, eTh, eU and E channels.

The data were gridded using a bi-directional line gridding method with a grid cell size of 30 meters, Akima interpolation method for across and down line spline and trend angles perpendicular to those of traverse line directions.

7.5.5.12 TERNARY MAP

The radioelement ternary map was produced by creating individual grids for each of the three radioelements (potassium, thorium and uranium), then assigning a specific colour to each. Cyan represents thorium, yellow uranium, and magenta potassium. The relative concentrations of the radioelements are represented by the blends of the three colours.

8. MAP PRODUCTS AND DIGITAL DATA DELIVERABLES

The following is the list of items delivered to **Ethos Capital Gold Corp.**

1) **Hard Copy Maps for BBH, Hen, and Wolf @ 1:50,000 scale (x2):**

- Maps of Total Magnetic Intensity
- Maps of Ternary Image (Th, U and K)
- Maps of Potassium counts
- Maps of Thorium counts
- Maps of Uranium counts
- Maps of Total Count

2) **Hard Copy Logistics Report (x2):**

3) **Digital Copy (DVD) Maps for BBH, Hen, and Wolf @ 1:50,000 scale (x2):**

- Maps of Total Magnetic Intensity
- Maps of Potassium counts
- Maps of Thorium counts
- Maps of Uranium counts
- Maps of Total Count
- Ternary Map of Th, U and K

4) **Digital Copy Grids (DVD) for BBH, Hen, and Wolf (x2):**

- Grids of Total Magnetic Intensity (nT)
- Grids of 1st order Vertical Derivative (nT/m)
- Grids of Potassium (counts/sec)
- Grids of Thorium (counts/sec)
- Grids of Uranium (counts/sec)
- Grids of Total Count (counts/sec)
- Grids of Apparent Potassium concentrations (%)
- Grids of Apparent Thorium concentrations (ppm)
- Grids of Apparent Uranium concentrations (ppm)
- Grids of Air Absorption Dose Rates (*nGy/h*)

5) **Digital Copy (DVD) Databases for BBH, Hen, and Wolf (x2):**

- Magnetics data databases: *Block Name_Magnetic_Data.gdb* (see Appendix C for details)
- Radiometric data database: *Block Name Radiometric_Data.gdb* (see Appendix C for details)

6) **Digital Copy (DVD) Logistics Report (x2)**

7) **Digital Copy (DVD) Weekly and Line Report (x2)**

9. SUMMARY

This report describes the logistics of the survey, equipment used, field procedures, data acquisition and presentation of results.

The various maps included with this report display the magnetic and radiometric properties of the survey area. It is recommended that the survey results be reviewed in detail, in conjunction with all available geophysical, geological and geochemical information.

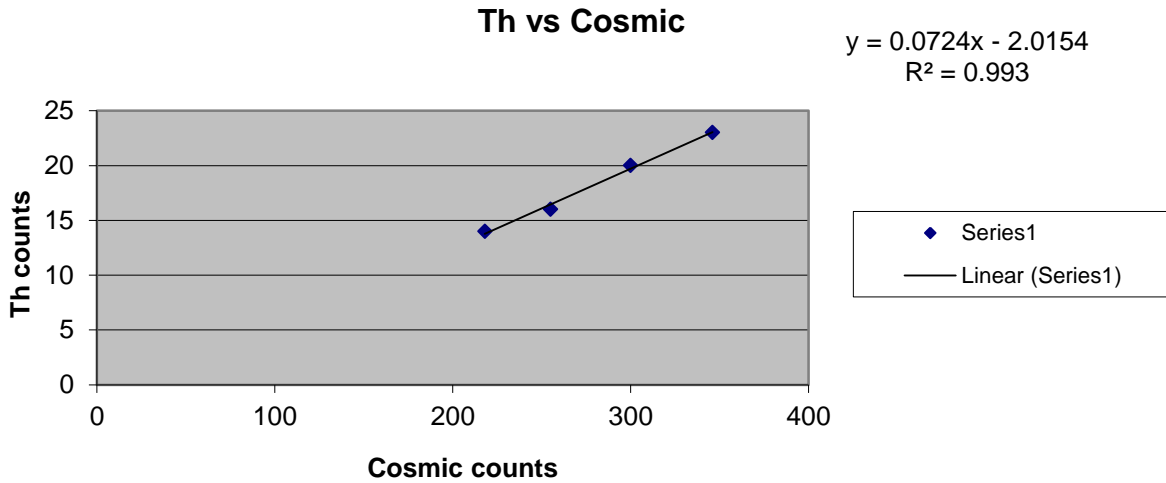
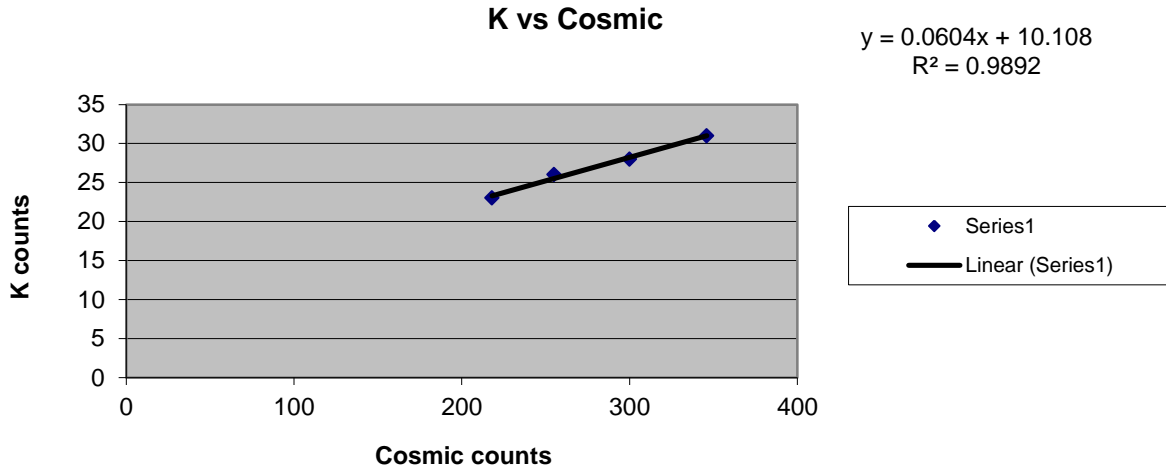
Further processing of the data may enhance subtle features that can be of importance for exploration purposes.

Respectfully submitted,

Andrei Yakovenko
New-Sense Geophysics Ltd.
Date: October 27th, 2011

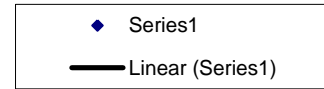
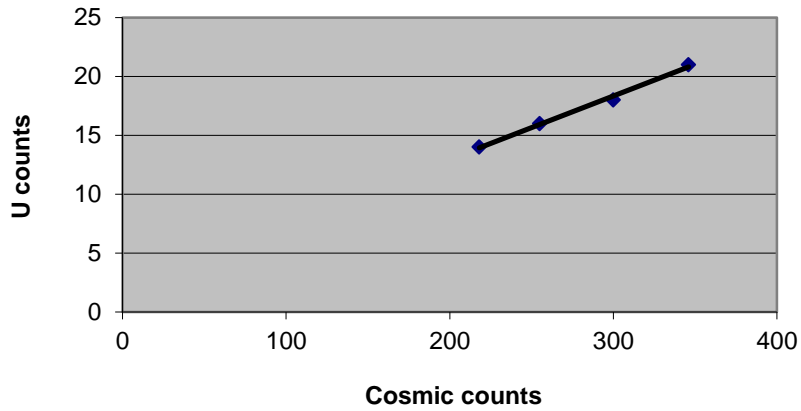
APPENDIX A: BACKGROUND, COSMIC AND ALTITUDE ATTENUATION TEST CHARTS

Background & Cosmic



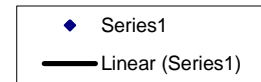
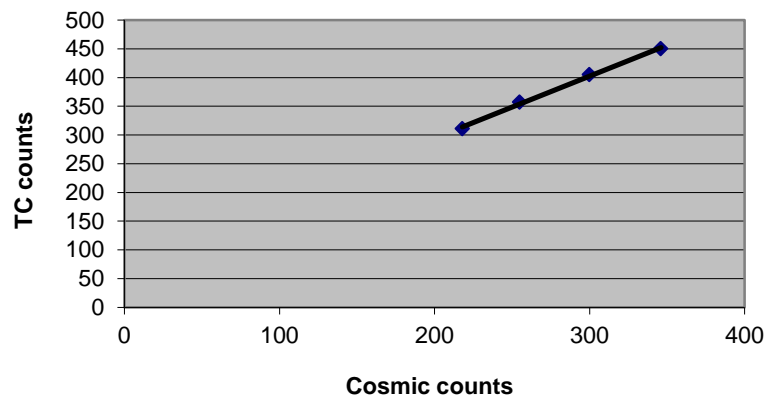
U vs Cosmic

$$y = 0.0537x + 2.231$$
$$R^2 = 0.994$$



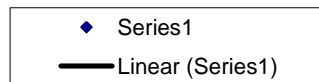
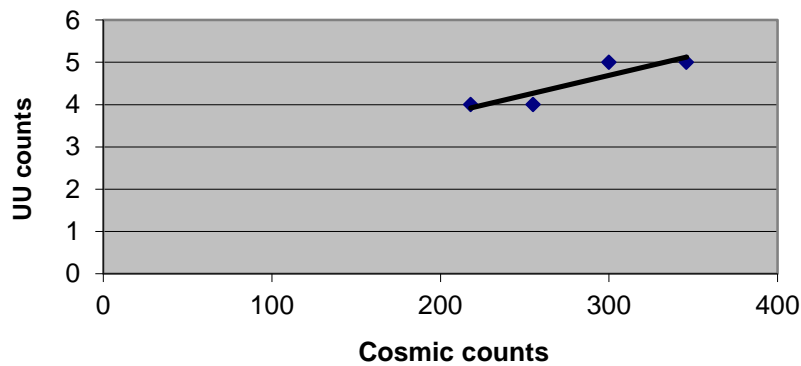
TC vs Cosmic

$$y = 1.0812x + 78.286$$
$$R^2 = 0.9973$$



UU vs Cosmic

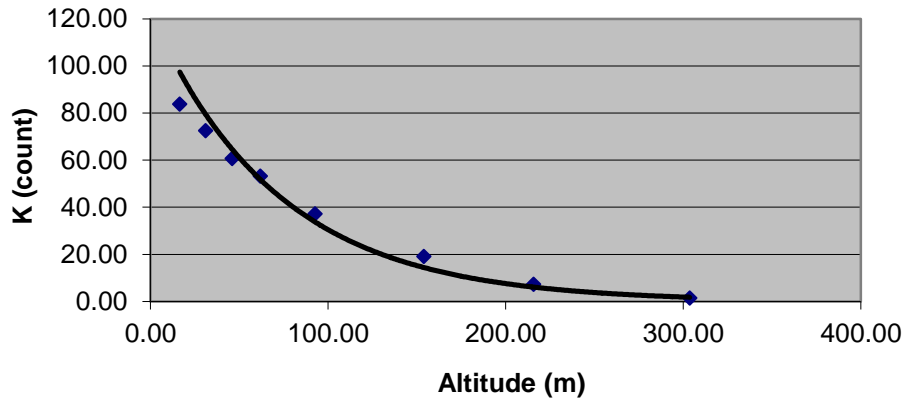
$$y = 0.0094x + 1.8768$$
$$R^2 = 0.8111$$



Altitude Attenuation Test

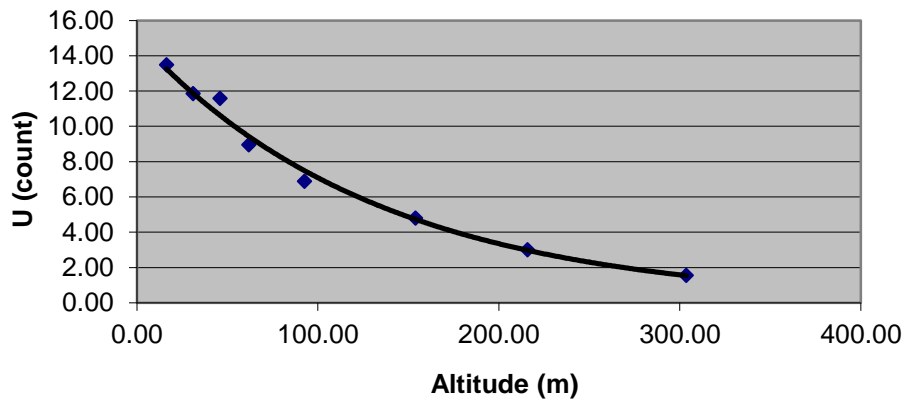
Potassium vs Height

$$y = 122.38e^{-0.014x}$$
$$R^2 = 0.9837$$

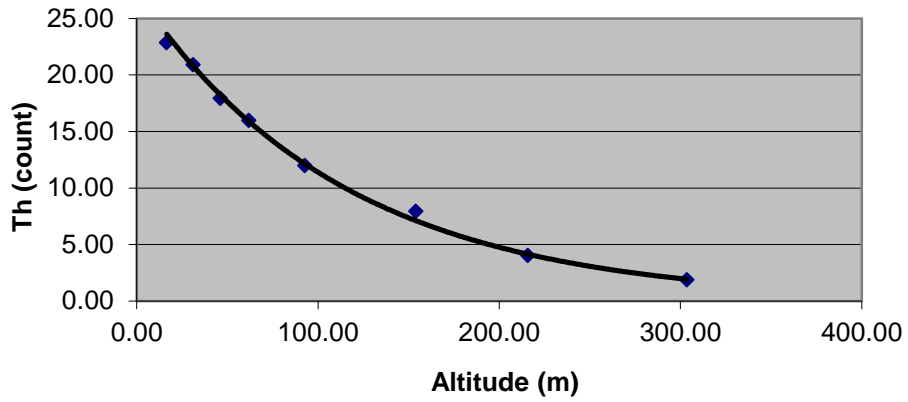


Uranium vs Height

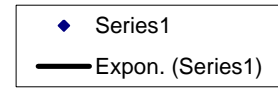
$$y = 14.982e^{-0.007x}$$
$$R^2 = 0.9956$$



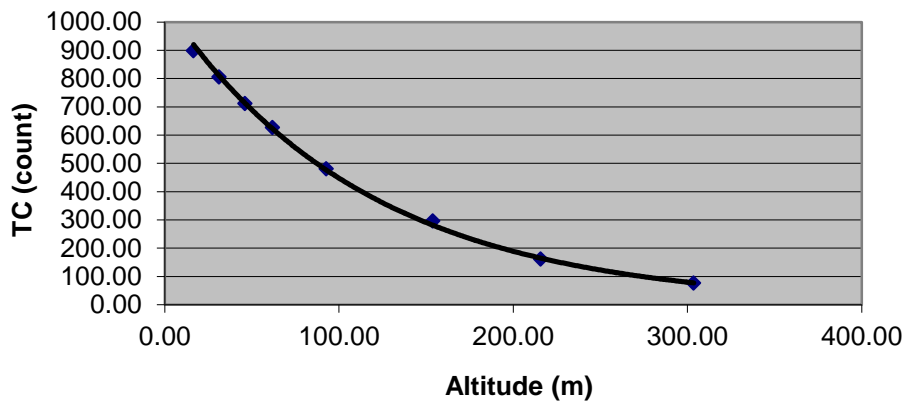
Thorium vs Height



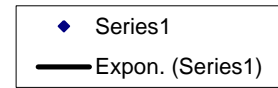
$$y = 27.264e^{-0.009x}$$
$$R^2 = 0.9972$$



Total Count vs Height



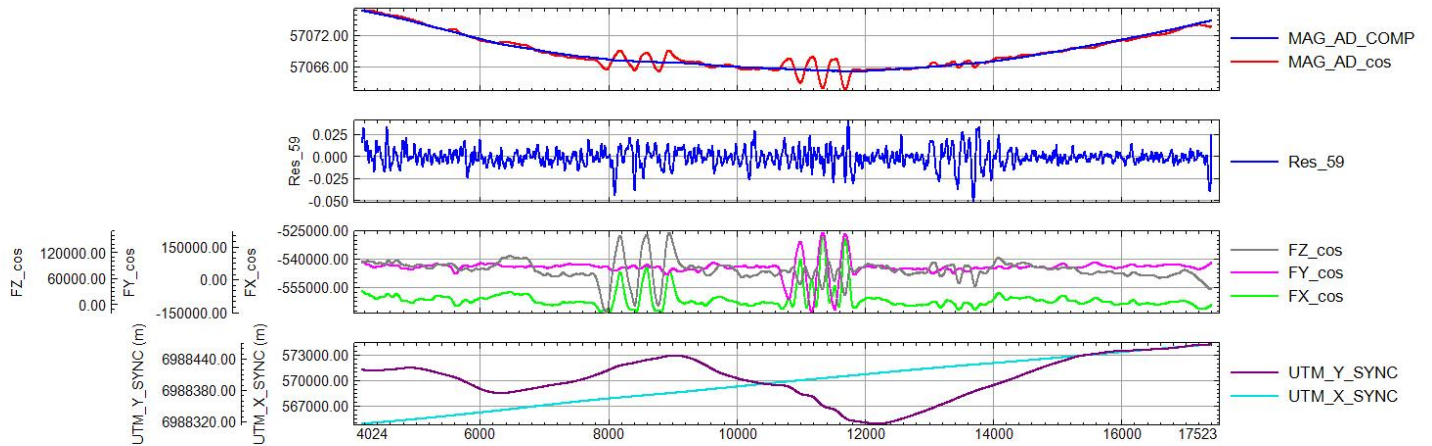
$$y = 1060.7e^{-0.009x}$$
$$R^2 = 0.9993$$



APPENDIX B: FOM RESULTS

FOM 07082011				
direction	pitch	roll	yaw	total
270	0.06	0.05	0.05	0.16
90	0.06	0.06	0.08	0.20
0	0.08	0.04	0.05	0.16
180	0.06	0.06	0.06	0.18
total	0.25	0.21	0.24	0.70

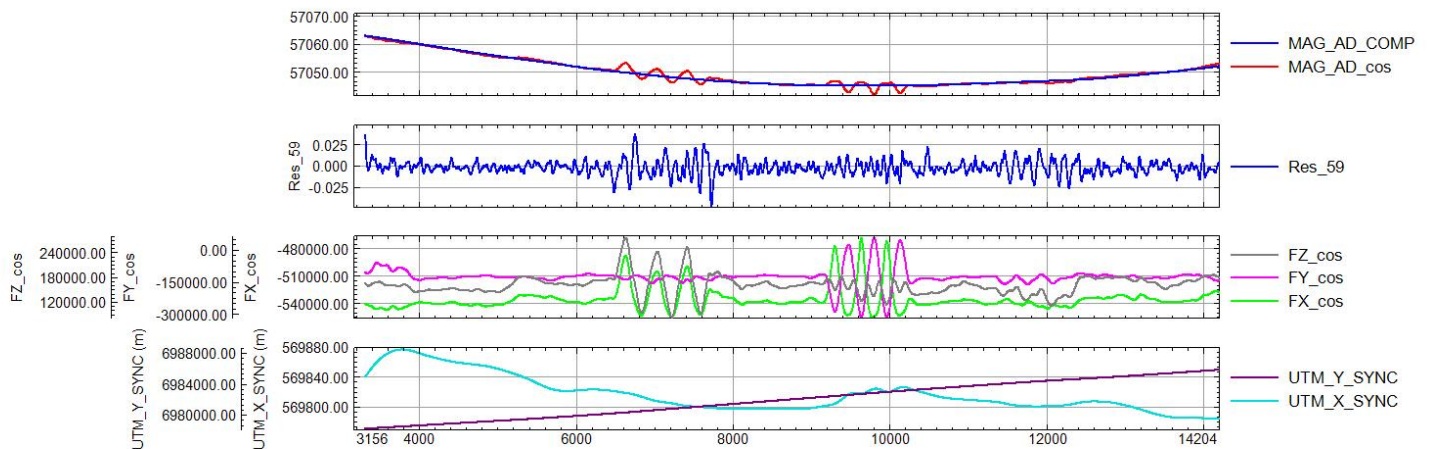
FOM, East direction, 07082011



database: d:\yukon2011\Ethos\FOM\FOM 07082011\ fom_07082011_comp.gdb line/group: L12

2011/07/08

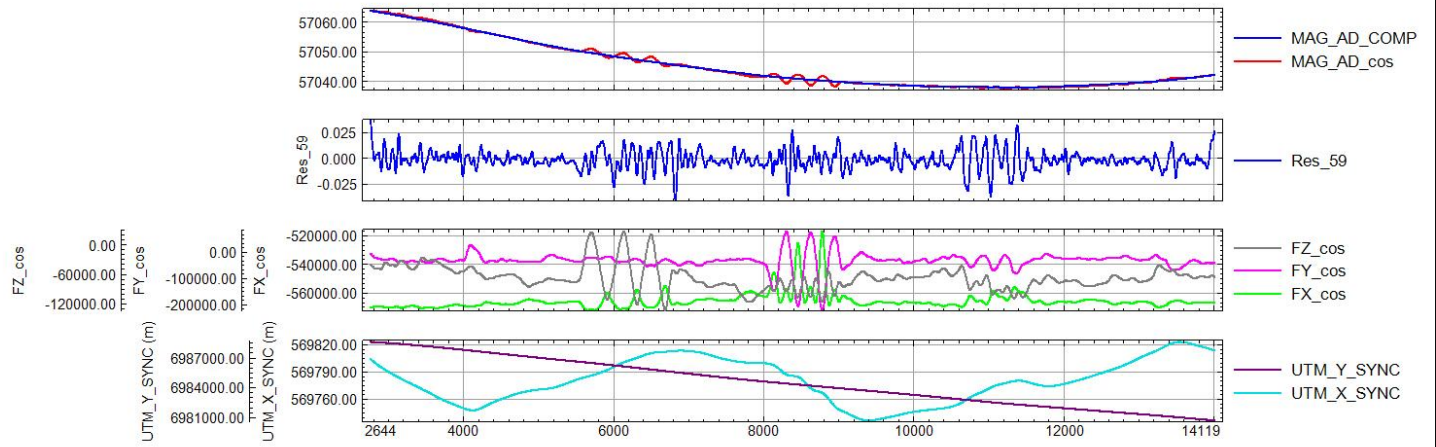
FOM, North direction, 07082011



database: d:\yukon2011\Ethos\FOM\FOM 07082011\ fom_07082011_comp.gdb line/group: L21

2011/07/08

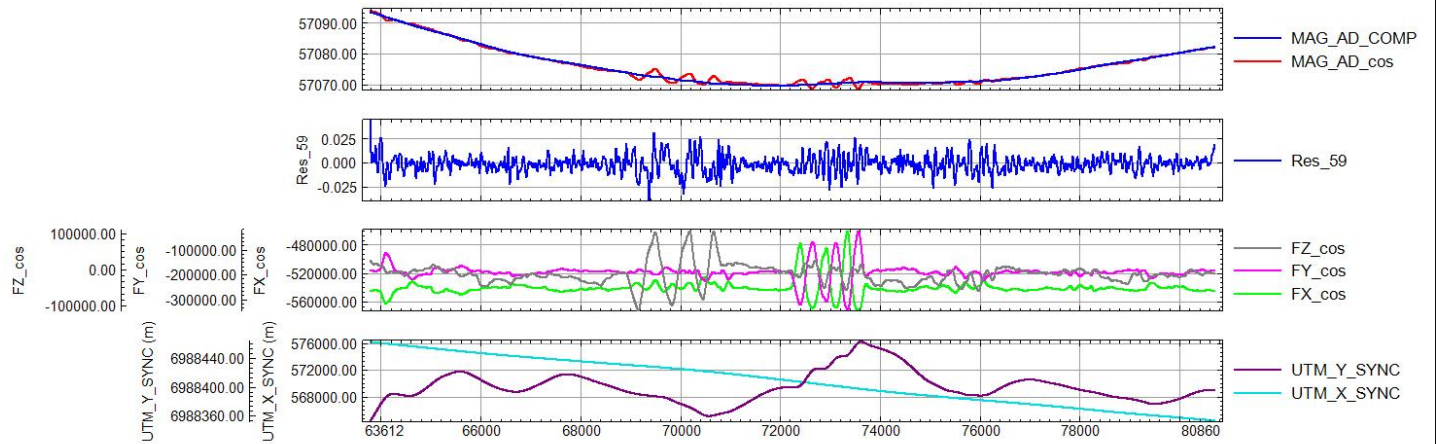
FOM, South direction, 07082011



database: d:\yukon2011\Ethos\FOMFOM 07082011\ fom_07082011_comp.gdb line/group: L22

2011/07/08

FOM, West direction, 07082011

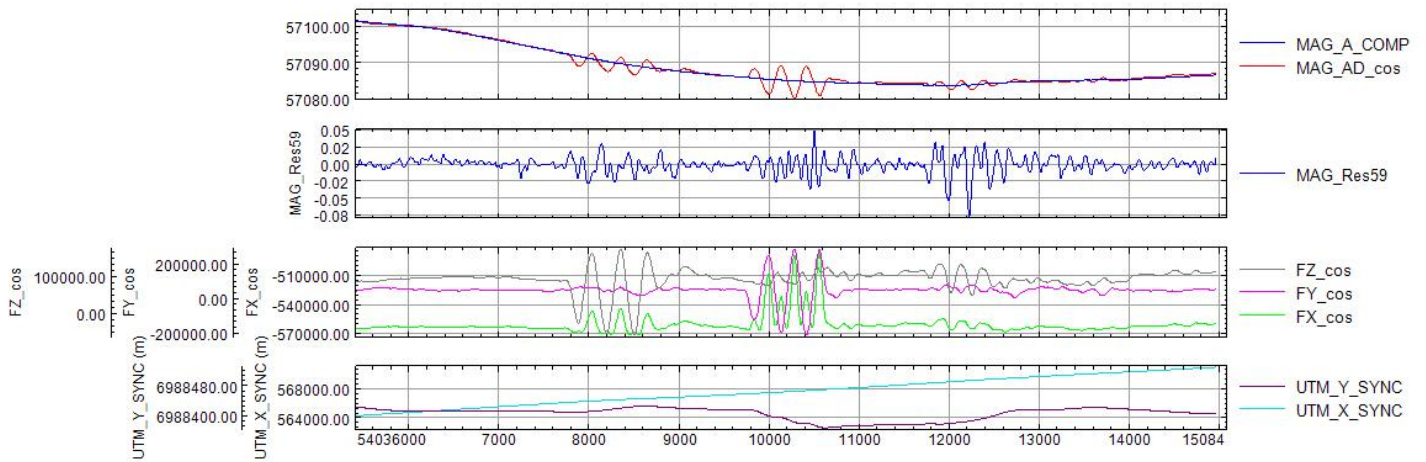


database: d:\yukon2011\Ethos\FOMFOM 07082011\ fom_07082011_comp.gdb line/group: L11

2011/07/08

FOM 07222011				
direction	pitch	roll	yaw	total
270	0.10	0.06	0.05	0.21
90	0.06	0.08	0.10	0.24
180	0.09	0.06	0.10	0.25
0	0.11	0.06	0.10	0.27
total	0.36	0.27	0.35	0.97

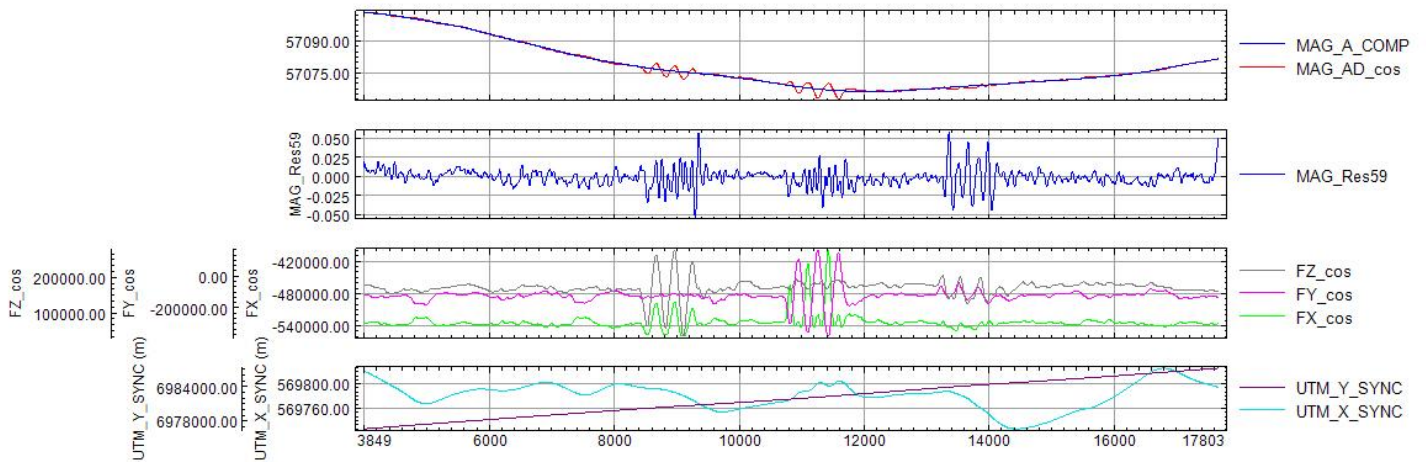
FOM, East direction, 07222011



database: d:\yukon2011\Ethos\FOM\FOM 07222011\FOM_07222011_comp.gdb line/group: L12

2011/07/23

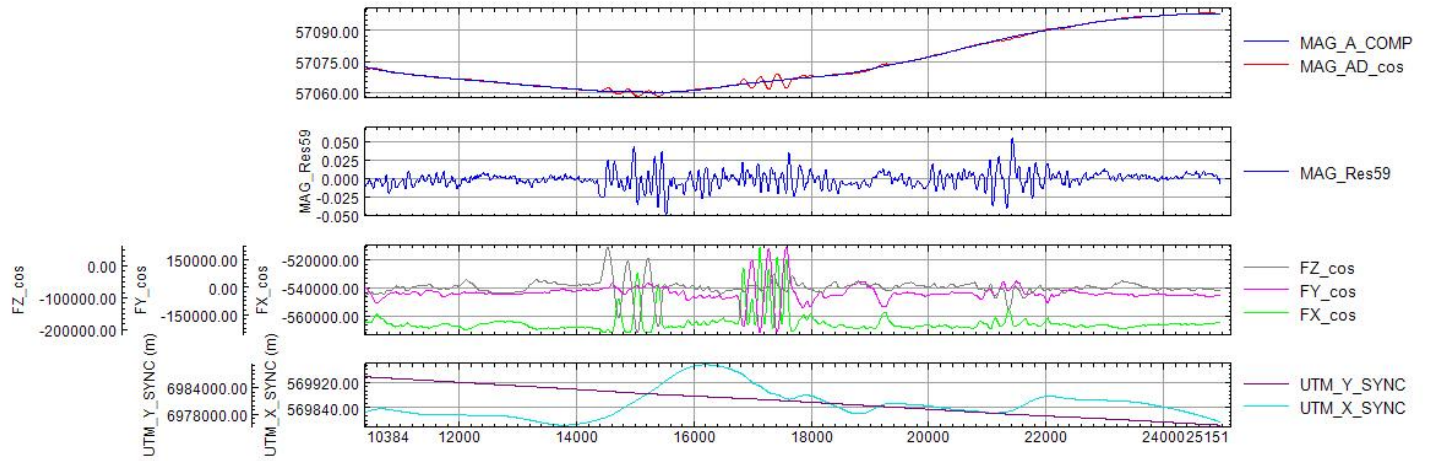
FOM, North direction, 07222011



database: d:\yukon2011\Ethos\FOM\FOM 07222011\FOM_07222011_comp.gdb line/group: L21

2011/07/23

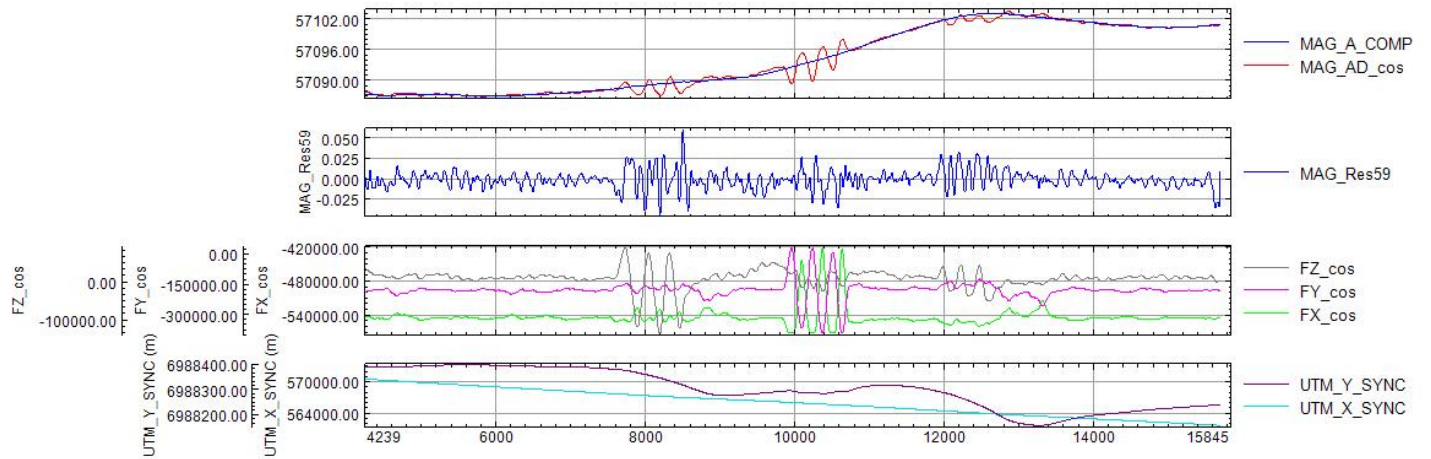
FOM, South direction, 07222011



database: d:\yukon2011\Ethos\FOM\FOM 07222011\FOM_07222011_comp.gdb line/group: L20

2011/07/23

FOM, West direction, 07222011



database: d:\yukon2011\Ethos\FOM\FOM 07222011\FOM_07222011_comp.gdb line/group: L11

2011/07/23

APPENDIX C: DATABASE DESCRIPTIONS

Magnetic Databases for BBH, Hen, and Wolf blocks

Database Name: *Block Name_Magnetic_Data.gdb*

Format: Geosoft .gdb

Number of Channels: 28 (BBH); 27 (Hen, Wolf)

Note: If the database is opened in Oasis montaj, please load included “*Magnetic data Geosoft channel display.dbview*” file to insure that ALL the channels are displayed in the same order as listed below (Database menu -> Get Saved View).

Channel Name	Units	Description
LINE	number	Line number
DATE	date	Date flown (YYMMDD)
FLIGHT	number	Flight number
FIDUCIAL	number	Fiducial count (flight specific)
SYSTEM_CLOCK	milsec	KANA8 (A/D converter) counter
WGS84_X	meters	WGS84, World, UTM Zone 7N
WGS84_Y	meters	WGS84, World, UTM Zone 7N
LATITUDE_WGS84	degrees	GPS latitude, WGS 84, World
LONGITUDE_WGS84	degrees	GPS longitude, WGS 84, World
GPS_HEIGHT_WGS84	meters	GPS height (orthometric) above MSL, WGS 84, World
UTC_DAYSEC	decimal seconds	UTC daily second counter (0-86399)
FLUX_X	volts	Fluxgate x-axis
FLUX_Y	volts	Fluxgate y-axis
FLUX_Z	volts	Fluxgate z-axis
RAD_ALT_feet	ft	Radar altimeter, height above ground
MAG_RAW	nT	Raw magnetometer data
MAG_FILT	nT	Filtered raw magnetometer data
MAG_COMP	nT	Compensated magnetometer data
DIURNAL	nT	Base station magnetometer data
MAG_DIURNAL_CORR	nT	Base station (diurnal) corrected magnetometer data
MAG_HEADING_CORR	nT	Heading corrected magnetometer data
MAG_LAG_CORR	nT	Lag corrected magnetometer data
IGRF	nT	Calculated IGRF, using 2010 model
MAG_IGRF_CORR	nT	IGRF corrected magnetometer data
MAG_SMPL_LVL	nT	Conventionally (simple) leveled magnetometer data
TMI_FINAL	nT	Microleveled MAG_SMPL_LVL data
TMI_decor	nT	Fully decorrugated MAG_SMPL_LVL data (BBH block only)
VDV	nT/m	1 st order Vertical Derivative (VDV)

Radiometric Databases for BBH, Hen, and Wolf blocks

Database Name: *Block Name_Radiometric_Data.gdb*

Format: Geosoft .gdb

Number of Channels: 35

Note: If the database is opened in Oasis montaj, please load included “*Radiometric data Geosoft channel display.dbview*” file to insure that ALL the channels are displayed in the same order as listed below (Database menu -> Get Saved View).

Channel Name	Units	Description
LINE	number	Line Number
FLIGHT	number	Flight Number
DATE	date	Date flown (YYMMDD)
FIDUCIAL	number	Fiducial count (line specific)
WGS84_X	meters	WGS84, World, UTM Zone 7N
WGS84_Y	meters	WGS84, World, UTM Zone 7N
LATITUDE_WGS84	degrees	GPS latitude, WGS 84, World
LONGITUDE_WGS84	degrees	GPS longitude, WGS 84, World
GPS_HEIGHT_WGS84	meters	GPS height (orthometric) above MSL, WGS 84, World
UTC_DAYSEC	seconds	UTC daily second counter (0-86399)
RAD_ALT_feet	feet	Radar altimeter, height above ground
EQUIVALENT_HEIGHT_m	m	Equivalent height above ground at STP
PRESSURE	mbar	Ambient pressure output
TEMPERATURE	degrees C	Ambient temperature output
DOWN_LIVE_TIME	seconds	Live time channel
RAW_Potassium	counts/sec	Raw Potassium channel
RAW_Thorium	counts/sec	Raw Thorium channel
RAW_Uranium	counts/sec	Raw Uranium channel
RAW_TotCount	counts/sec	Raw Total Count channel
RAW_UpDet	counts/sec	Raw upward looking crystal Uranium channel
DOWN_COSMIC	counts/sec	Raw Cosmic channel from downward looking crystals
DOWN_SPECTRUM	counts/sec	1024 channel down spectrum
UP_SPECTRUM	counts/sec	1024 channel up spectrum
K_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Potassium counts
Th_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Thorium counts
U_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Uranium counts
TC_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Total Count counts
K_FINAL	counts/sec	Final Potassium counts; microleveled K_CORR

Th_FINAL	counts/sec	Final Thorium counts; microleveled Th_CORR
U_FINAL	counts/sec	Final Uranium counts; microleveled U_CORR
TC_FINAL	counts/sec	Final Total Count counts; microleveled TC_CORR
K_Percent	%	Estimated concentrations of Potassium
eTh	ppm	Estimated equivalent concentrations of Thorium
eU	ppm	Estimated equivalent concentrations of Uranium
E	nGy/h	Natural air absorption Dose Rate

APPENDIX D: RSX-5 SPECTROMETER (SN 5516): DAILY RESOLUTION TESTS RESULTS

Executed 2011-07-08 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2002	2004	2008	2002	8016
LiveTime [s]	293.855	343.842	345.868	319.834	869.706	1303.399
Gain	1.005957	1.027845	1.020081	0.989293	1.120768	-
Peak	871.89 (+/- 0.508)	871.90 (+/- 0.557)	870.66 (+/- 0.593)	870.94 (+/- 0.711)	870.55 (+/- 1.165)	871.61 (+/- 0.321)
FWHM	4.51 (+/- 1.290)	4.69 (+/- 1.448)	4.72 (+/- 1.526)	5.35 (+/- 1.948)	5.68 (+/- 3.377)	4.66 (+/- 0.818)

Executed 2011-07-09 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2004	2003	2004	2004	2004	8015
LiveTime [s]	288.854	319.848	338.873	315.835	920.69	1263.41
Gain	0.965127	0.982784	0.969291	0.940595	1.075073	-
Peak	868.95 (+/- 0.711)	870.85 (+/- 0.564)	870.58 (+/- 0.637)	868.75 (+/- 0.633)	869.94 (+/- 1.584)	870.11 (+/- 0.361)
FWHM	4.95 (+/- 1.964)	4.20 (+/- 1.480)	4.62 (+/- 1.786)	4.98 (+/- 1.819)	6.35 (+/- 5.696)	4.52 (+/- 0.975)

Executed 2011-07-09 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2003	2002	2003	2002	8010
LiveTime [s]	305.832	340.822	355.852	313.831	911.677	1316.337
Gain	1.003981	1.023372	1.009326	0.984109	1.123193	-
Peak	873.35 (+/- 0.751)	870.26 (+/- 0.663)	869.81 (+/- 0.554)	870.49 (+/- 0.557)	872.73 (+/- 1.652)	871.10 (+/- 0.339)
FWHM	4.63 (+/- 1.930)	4.44 (+/- 1.804)	4.53 (+/- 1.518)	5.21 (+/- 1.466)	6.51 (+/- 5.400)	4.59 (+/- 0.899)

Executed 2011-07-09 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2001	2006	2003	2003	8011
LiveTime [s]	296.846	335.837	342.865	320.838	894.713	1296.386
Gain	1.007211	1.025139	1.016897	0.988023	1.125492	-
Peak	870.37 (+/- 0.585)	872.88 (+/- 0.583)	869.31 (+/- 0.552)	870.86 (+/- 0.669)	869.84 (+/- 1.119)	870.92 (+/- 0.274)

FWHM	4.73 (+/- 1.519)	4.60 (+/- 1.516)	4.59 (+/- 1.444)	5.23 (+/- 1.648)	6.05 (+/- 3.678)	4.69 (+/- 0.715)
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Executed 2011-07-09 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2009	2004	2003	2006	2001	8022
LiveTime [s]	297.86	326.846	341.882	306.848	878.718	1273.435
Gain	0.993934	1.008731	1.005882	0.975553	1.118298	-
Peak	871.09 (+/- 0.581)	871.20 (+/- 0.538)	869.30 (+/- 0.573)	872.26 (+/- 0.797)	871.06 (+/- 1.528)	871.02 (+/- 0.268)
FWHM	4.47 (+/- 1.484)	4.49 (+/- 1.396)	4.77 (+/- 1.525)	5.57 (+/- 2.179)	6.72 (+/- 5.199)	4.72 (+/- 0.690)

Executed 2011-07-10 RSI System Test Report RSX-5 SN5516_1_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2004	2005	2007	2007	2001	8023
LiveTime [s]	290.856	346.822	343.866	307.836	842.707	1289.38
Gain	0.986635	1.004481	0.988121	0.965388	1.108594	-
Peak	872.85 (+/- 0.728)	871.68 (+/- 0.588)	870.45 (+/- 0.545)	870.80 (+/- 0.617)	869.21 (+/- 1.373)	871.59 (+/- 0.342)
FWHM	5.42 (+/- 2.047)	4.19 (+/- 1.580)	4.37 (+/- 1.490)	5.06 (+/- 1.621)	6.62 (+/- 4.139)	4.59 (+/- 0.912)

Executed 2011-07-10 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2001	2003	2001	2001	8010
LiveTime [s]	294.835	324.839	335.87	309.829	848.696	1265.373
Gain	1.006538	1.024236	1.019202	0.987569	1.14286	-
Peak	871.66 (+/- 0.549)	871.57 (+/- 0.568)	869.33 (+/- 0.749)	871.56 (+/- 0.608)	867.55 (+/- 1.471)	871.11 (+/- 0.298)
FWHM	4.51 (+/- 1.383)	4.38 (+/- 1.502)	4.21 (+/- 2.198)	4.74 (+/- 1.639)	6.96 (+/- 4.369)	4.36 (+/- 0.769)

Executed 2011-07-11 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2004	2007	2005	2003	2002	8019
LiveTime [s]	294.838	344.83	338.856	309.83	883.667	1288.354
Gain	0.96226	0.979088	0.96696	0.939516	1.093128	-

Peak	870.01 (+/- 0.665)	870.74 (+/- 0.496)	869.83 (+/- 0.627)	870.71 (+/- 0.767)	868.06 (+/- 1.469)	870.51 (+/- 0.290)
FWHM	4.64 (+/- 1.808)	4.54 (+/- 1.342)	4.58 (+/- 1.593)	4.92 (+/- 2.086)	6.73 (+/- 4.987)	4.56 (+/- 0.737)

Executed 2011-07-11 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2004	2005	2001	2007	2001	8017
LiveTime [s]	279.84	328.821	341.86	310.817	857.646	1261.338
Gain	1.004249	1.021573	1.013704	0.983699	1.138458	-
Peak	872.87 (+/- 0.740)	870.60 (+/- 0.686)	870.03 (+/- 0.549)	870.78 (+/- 0.721)	871.63 (+/- 1.166)	871.19 (+/- 0.311)
FWHM	4.43 (+/- 2.076)	4.62 (+/- 1.852)	4.41 (+/- 1.468)	5.40 (+/- 2.037)	5.52 (+/- 4.048)	4.62 (+/- 0.799)

Executed 2011-07-11 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2006	2004	2003	2002	8015
LiveTime [s]	294.856	323.84	334.873	311.841	868.708	1265.41
Gain	1.00244	1.020521	1.014929	0.983112	1.14356	-
Peak	870.58 (+/- 0.676)	871.51 (+/- 0.577)	871.27 (+/- 0.580)	872.01 (+/- 0.604)	877.54 (+/- 1.694)	871.70 (+/- 0.310)
FWHM	4.51 (+/- 1.877)	4.43 (+/- 1.511)	4.72 (+/- 1.595)	5.14 (+/- 1.698)	6.29 (+/- 6.495)	4.61 (+/- 0.835)

Executed 2011-07-22 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2002	2004	2005	2002	8012
LiveTime [s]	288.835	322.82	328.852	287.829	760.682	1228.335
Gain	0.974561	0.999103	0.985881	0.949944	1.178982	-
Peak	870.01 (+/- 0.691)	871.27 (+/- 0.521)	872.07 (+/- 0.474)	870.85 (+/- 0.589)	886.51 (+/- 1.794)	871.06 (+/- 0.303)
FWHM	5.52 (+/- 1.921)	4.41 (+/- 1.360)	4.74 (+/- 1.260)	5.33 (+/- 1.532)	4.37 (+/- 6.731)	4.84 (+/- 0.816)

Executed 2011-07-22 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2008	2006	2003	2004	2004	8021
LiveTime	286.838	309.835	323.86	301.833	851.687	1222.365

[s]						
Gain	0.997556	1.019198	1.016834	0.975986	1.130951	-
Peak	871.94 (+/- 0.665)	872.92 (+/- 0.595)	870.49 (+/- 0.592)	870.90 (+/- 0.570)	870.33 (+/- 1.285)	871.55 (+/- 0.303)
FWHM	5.07 (+/- 1.751)	4.48 (+/- 1.576)	4.62 (+/- 1.565)	5.05 (+/- 1.468)	6.40 (+/- 3.903)	4.66 (+/- 0.800)

Executed 2011-07-22 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2011	2004	2001	2003	8017
LiveTime [s]	278.843	325.838	323.864	317.828	911.667	1246.372
Gain	0.998993	1.01842	1.019103	0.976643	1.130417	-
Peak	872.38 (+/- 0.544)	872.35 (+/- 0.690)	871.30 (+/- 0.599)	869.00 (+/- 0.643)	871.36 (+/- 1.381)	871.45 (+/- 0.267)
FWHM	4.62 (+/- 1.452)	4.62 (+/- 1.942)	4.64 (+/- 1.562)	5.28 (+/- 1.774)	5.58 (+/- 4.291)	4.63 (+/- 0.690)

Executed 2011-07-22 RSI System Test Report RSX-5 SN5516_bfore_hv_change.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2002	2007	2003	2002	8017
LiveTime [s]	290.855	312.846	321.874	303.845	865.692	1229.42
Gain	0.989691	1.011621	1.000971	0.966365	1.196809	-
Peak	871.27 (+/- 0.635)	870.99 (+/- 0.555)	870.46 (+/- 0.539)	869.28 (+/- 0.610)	869.66 (+/- 1.165)	870.59 (+/- 0.297)
FWHM	4.56 (+/- 1.631)	4.35 (+/- 1.455)	4.64 (+/- 1.388)	5.09 (+/- 1.607)	5.99 (+/- 3.449)	4.55 (+/- 0.757)

Executed 2011-07-22 RSI System Test Report RSX-5 SN5516_hv-change_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2003	2006	2005	2005	2001	8019
LiveTime [s]	289.842	321.846	323.874	285.846	868.692	1221.407
Gain	0.997139	1.017452	1.008252	0.974123	1.122986	-
Peak	870.97 (+/- 0.610)	872.10 (+/- 0.480)	870.03 (+/- 0.606)	868.09 (+/- 0.653)	871.58 (+/- 1.369)	870.45 (+/- 0.261)
FWHM	4.37 (+/- 1.526)	4.50 (+/- 1.212)	4.39 (+/- 1.616)	5.01 (+/- 1.799)	6.24 (+/- 4.101)	4.51 (+/- 0.679)

Executed 2011-07-22 RSI System Test Report RSX-5 SN5516_hv-change_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done

Counts	2006	2007	2004	2006	2001	8023
LiveTime [s]	294.845	330.839	335.866	303.837	901.685	1265.386
Gain	1.001384	1.021018	1.011785	0.976316	1.127187	-
Peak	871.22 (+/- 0.577)	871.43 (+/- 0.647)	870.16 (+/- 0.548)	869.95 (+/- 0.566)	872.47 (+/- 1.110)	870.77 (+/- 0.323)
FWHM	4.74 (+/- 1.486)	4.34 (+/- 1.626)	4.51 (+/- 1.509)	5.10 (+/- 1.491)	6.17 (+/- 3.284)	4.58 (+/- 0.824)

Executed 2011-07-23 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2006	2006	2006	2005	2001	8023
LiveTime [s]	278.84	319.83	323.866	314.816	845.674	1237.352
Gain	1.000664	1.018027	1.014188	0.976159	1.130836	-
Peak	872.61 (+/- 0.543)	871.94 (+/- 0.487)	870.42 (+/- 0.635)	871.20 (+/- 0.756)	864.34 (+/- 1.577)	871.63 (+/- 0.276)
FWHM	4.66 (+/- 1.403)	4.27 (+/- 1.276)	4.72 (+/- 1.758)	4.93 (+/- 2.153)	5.48 (+/- 5.150)	4.59 (+/- 0.716)

Executed 2011-07-23 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2010	2006	2001	2008	2002	8025
LiveTime [s]	281.847	312.841	326.871	289.849	866.701	1211.408
Gain	1.002403	1.018014	1.019248	0.979054	1.138479	-
Peak	872.81 (+/- 0.577)	871.85 (+/- 0.544)	869.94 (+/- 0.625)	871.46 (+/- 0.596)	874.78 (+/- 1.196)	871.58 (+/- 0.320)
FWHM	4.85 (+/- 1.497)	4.51 (+/- 1.479)	4.55 (+/- 1.669)	5.37 (+/- 1.583)	5.80 (+/- 4.028)	4.76 (+/- 0.841)

Executed 2011-07-23 RSI System Test Report RSX-5 SN5516_5.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2012	2008	2003	2004	2001	8027
LiveTime [s]	279.852	317.837	330.865	306.834	890.697	1235.388
Gain	0.999365	1.019266	1.020506	0.97606	1.13871	-
Peak	871.96 (+/- 0.609)	870.88 (+/- 0.533)	871.65 (+/- 0.720)	871.13 (+/- 0.705)	871.20 (+/- 1.442)	871.44 (+/- 0.351)
FWHM	4.46 (+/- 1.636)	4.05 (+/- 1.384)	4.66 (+/- 2.002)	5.03 (+/- 1.963)	6.43 (+/- 4.302)	4.44 (+/- 0.921)

Executed 2011-07-23 RSI System Test Report RSX-5 SN5516_7.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2009	2001	2005	2002	2003	8017
LiveTime [s]	313.851	342.834	350.863	304.84	744.733	1312.389
Gain	0.993825	1.015923	1.018179	0.971854	1.133551	-
Peak	871.73 (+/- 0.663)	871.44 (+/- 0.661)	870.61 (+/- 0.666)	871.66 (+/- 0.868)	873.13 (+/- 1.098)	871.57 (+/- 0.419)
FWHM	4.51 (+/- 1.782)	4.62 (+/- 1.721)	4.41 (+/- 1.750)	5.43 (+/- 2.388)	7.10 (+/- 3.301)	4.58 (+/- 1.118)

Executed 2011-07-24 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2002	2001	2002	2003	8007
LiveTime [s]	286.821	315.827	324.854	294.822	880.622	1222.325
Gain	0.958439	0.975592	0.970669	0.933628	1.095805	-
Peak	871.89 (+/- 0.689)	871.10 (+/- 0.667)	870.47 (+/- 0.638)	871.64 (+/- 0.576)	869.90 (+/- 1.205)	871.29 (+/- 0.305)
FWHM	4.67 (+/- 1.768)	4.43 (+/- 1.845)	4.54 (+/- 1.763)	4.99 (+/- 1.511)	4.57 (+/- 3.900)	4.52 (+/- 0.796)

Executed 2011-07-24 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2009	2003	2003	2005	2001	8020
LiveTime [s]	293.816	309.829	313.868	297.826	876.635	1215.339
Gain	0.993787	1.011827	1.005978	0.96997	1.134415	-
Peak	872.02 (+/- 0.677)	871.02 (+/- 0.634)	869.11 (+/- 0.590)	867.84 (+/- 0.796)	869.94 (+/- 1.692)	870.16 (+/- 0.333)
FWHM	4.92 (+/- 1.739)	4.57 (+/- 1.621)	4.20 (+/- 1.547)	5.06 (+/- 2.312)	7.19 (+/- 5.454)	4.59 (+/- 0.845)

Executed 2011-07-25 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2006	2003	2005	2002	2001	8016
LiveTime [s]	308.845	330.841	351.866	313.834	939.681	1305.386
Gain	0.973682	0.995498	0.985348	0.947443	1.122622	-
Peak	871.26 (+/- 0.635)	871.52 (+/- 0.570)	869.44 (+/- 0.538)	869.67 (+/- 0.733)	869.97 (+/- 1.308)	870.54 (+/- 0.300)
FWHM	4.79 (+/- 1.724)	4.40 (+/- 1.528)	4.20 (+/- 1.411)	5.66 (+/- 2.037)	7.26 (+/- 3.968)	4.54 (+/- 0.782)

Executed 2011-07-25 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2003	2004	2003	2001	2002	8011
LiveTime [s]	276.854	327.835	337.866	301.843	915.699	1244.399
Gain	1.004547	1.025271	1.016858	0.980646	1.155425	-
Peak	872.19 (+/- 0.511)	872.50 (+/- 0.602)	870.45 (+/- 0.706)	871.24 (+/- 0.624)	868.84 (+/- 1.591)	871.73 (+/- 0.325)
FWHM	4.56 (+/- 1.254)	4.42 (+/- 1.638)	4.95 (+/- 1.905)	5.14 (+/- 1.639)	5.98 (+/- 5.597)	4.63 (+/- 0.831)

Executed 2011-07-26 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2006	2001	2002	2001	2004	8010
LiveTime [s]	286.847	343.829	338.865	320.828	901.693	1290.369
Gain	1.011235	1.033321	1.021587	0.98733	1.167189	-
Peak	871.21 (+/- 0.618)	870.54 (+/- 0.666)	870.56 (+/- 0.541)	871.07 (+/- 0.730)	870.48 (+/- 1.262)	870.96 (+/- 0.344)
FWHM	4.60 (+/- 1.683)	4.68 (+/- 1.769)	4.51 (+/- 1.413)	5.30 (+/- 2.028)	6.22 (+/- 3.995)	4.65 (+/- 0.898)

Executed 2011-07-26 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2007	2002	2005	2002	2002	8016
LiveTime [s]	296.847	330.833	341.867	312.832	897.691	1282.379
Gain	1.012946	1.032999	1.02356	0.988164	1.166284	-
Peak	871.56 (+/- 0.630)	871.55 (+/- 0.639)	870.37 (+/- 0.594)	870.26 (+/- 0.708)	870.84 (+/- 1.393)	871.21 (+/- 0.342)
FWHM	4.95 (+/- 1.691)	4.63 (+/- 1.724)	4.36 (+/- 1.575)	5.70 (+/- 1.850)	7.17 (+/- 4.128)	4.79 (+/- 0.901)

Executed 2011-07-26 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2009	2001	2006	2003	8021
LiveTime [s]	281.856	319.844	337.869	301.843	912.689	1241.412
Gain	1.009765	1.030329	1.023171	0.985724	1.170467	-
Peak	871.67 (+/- 0.539)	872.66 (+/- 0.590)	869.93 (+/- 0.544)	869.75 (+/- 0.598)	869.58 (+/- 1.162)	871.24 (+/- 0.251)
FWHM	4.65 (+/- 1.386)	4.32 (+/- 1.514)	4.50 (+/- 1.399)	5.45 (+/- 1.557)	6.11 (+/- 3.804)	4.61 (+/- 0.648)

Executed 2011-07-27 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2001	2004	2004	2002	8010
LiveTime [s]	292.83	321.825	343.85	312.817	890.647	1271.322
Gain	1.016281	1.040674	1.028165	0.993653	1.18028	-
Peak	871.40 (+/- 0.648)	872.00 (+/- 0.559)	872.09 (+/- 0.566)	871.60 (+/- 0.698)	867.77 (+/- 1.469)	871.88 (+/- 0.383)
FWHM	4.89 (+/- 1.729)	4.53 (+/- 1.433)	4.68 (+/- 1.393)	5.25 (+/- 1.852)	6.97 (+/- 4.790)	4.70 (+/- 0.977)

Executed 2011-07-27 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2004	2001	2001	2003	8007
LiveTime [s]	286.833	316.84	331.861	304.83	903.687	1240.363
Gain	1.008004	1.02901	1.023402	0.984601	1.179214	-
Peak	873.05 (+/- 0.617)	870.38 (+/- 0.565)	871.55 (+/- 0.651)	872.08 (+/- 0.774)	870.07 (+/- 1.347)	871.73 (+/- 0.329)
FWHM	4.93 (+/- 1.607)	4.61 (+/- 1.513)	4.54 (+/- 1.761)	5.47 (+/- 2.099)	6.60 (+/- 4.212)	4.75 (+/- 0.861)

Executed 2011-07-28 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2002	2004	2001	2004	8009
LiveTime [s]	310.827	357.813	350.852	321.81	643.756	1341.301
Gain	1.008907	1.030296	1.024132	0.985811	1.179663	-
Peak	870.86 (+/- 0.531)	871.90 (+/- 0.626)	871.42 (+/- 0.574)	870.28 (+/- 0.639)	865.72 (+/- 1.117)	871.33 (+/- 0.273)
FWHM	4.51 (+/- 1.373)	4.72 (+/- 1.629)	4.41 (+/- 1.573)	5.52 (+/- 1.715)	7.39 (+/- 3.291)	4.59 (+/- 0.704)

Executed 2011-07-29 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2006	2002	2001	2002	2003	8011
LiveTime [s]	299.819	337.811	350.844	329.796	931.625	1318.271
Gain	1.014727	1.035878	1.024239	0.989227	1.193562	-
Peak	873.06 (+/- 0.640)	871.37 (+/- 0.484)	870.09 (+/- 0.662)	869.43 (+/- 0.794)	869.04 (+/- 1.288)	871.44 (+/- 0.316)
FWHM	4.81 (+/-)	4.18 (+/-)	4.23 (+/-)	5.77 (+/-)	6.77 (+/-)	4.65 (+/-)

	1.696)	1.236)	1.801)	2.055)	4.148)	0.843)
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Executed 2011-07-29 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2007	2001	2003	2001	8016
LiveTime [s]	304.838	334.826	317.874	317.824	930.671	1275.362
Gain	1.010291	1.030113	1.024147	0.986586	1.187644	-
Peak	872.19 (+/- 0.745)	872.05 (+/- 0.533)	869.00 (+/- 0.638)	872.03 (+/- 0.583)	867.81 (+/- 1.055)	871.41 (+/- 0.351)
FWHM	4.37 (+/- 2.028)	4.34 (+/- 1.418)	4.43 (+/- 1.668)	4.52 (+/- 1.643)	5.90 (+/- 3.265)	4.32 (+/- 0.925)

Executed 2011-07-30 RSI System Test Report RSX-5 SN5516_1_hv.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2002	2002	2002	2002	8007
LiveTime [s]	305.84	337.831	350.862	327.827	905.692	1322.36
Gain	0.976796	0.997425	0.986988	0.949798	1.073562	-
Peak	871.99 (+/- 0.556)	869.42 (+/- 0.537)	870.06 (+/- 0.636)	869.01 (+/- 0.608)	867.58 (+/- 1.318)	870.14 (+/- 0.320)
FWHM	4.83 (+/- 1.479)	4.54 (+/- 1.395)	4.46 (+/- 1.661)	4.78 (+/- 1.642)	6.56 (+/- 4.449)	4.58 (+/- 0.830)

Executed 2011-07-30 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2006	2004	2003	2004	2001	8017
LiveTime [s]	311.818	333.822	342.85	312.817	962.623	1301.307
Gain	1.013069	1.03525	1.023134	0.988273	1.114414	-
Peak	872.21 (+/- 0.694)	871.56 (+/- 0.596)	871.31 (+/- 0.790)	871.88 (+/- 0.707)	866.94 (+/- 1.705)	871.97 (+/- 0.325)
FWHM	4.95 (+/- 1.905)	4.22 (+/- 1.565)	4.95 (+/- 2.414)	4.82 (+/- 1.909)	6.86 (+/- 6.013)	4.57 (+/- 0.842)

Executed 2011-07-30 RSI System Test Report RSX-5 SN5516_5.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2009	2001	2002	2001	2001	8013
LiveTime [s]	300.836	330.827	345.861	320.823	918.686	1298.347
Gain	1.009643	1.030276	1.025629	0.985323	1.11589	-
Peak	871.21 (+/-)	871.40 (+/-)	869.52 (+/-)	870.85 (+/-)	862.66 (+/-)	871.11 (+/-)

	0.499)	0.570)	0.483)	0.654)	1.461)	0.263)
FWHM	4.34 (+/- 1.302)	4.63 (+/- 1.473)	3.94 (+/- 1.296)	5.56 (+/- 1.825)	3.76 (+/- 5.038)	4.48 (+/- 0.686)

Executed 2011-07-31 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2002	2002	2005	2001	8014
LiveTime [s]	300.829	347.824	342.859	309.83	925.658	1301.343
Gain	0.972279	0.992606	0.982547	0.945867	1.077268	-
Peak	871.57 (+/- 0.594)	871.00 (+/- 0.532)	868.85 (+/- 0.749)	868.54 (+/- 0.590)	866.62 (+/- 1.648)	870.26 (+/- 0.309)
FWHM	4.45 (+/- 1.549)	4.61 (+/- 1.373)	4.80 (+/- 2.106)	4.75 (+/- 1.609)	7.15 (+/- 5.409)	4.58 (+/- 0.796)

Executed 2011-07-31 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2007	2003	2002	2006	2003	8018
LiveTime [s]	303.839	326.835	330.864	314.834	822.711	1276.372
Gain	1.006832	1.027008	1.025943	0.982138	1.123265	-
Peak	872.51 (+/- 0.738)	872.32 (+/- 0.570)	871.02 (+/- 0.627)	868.89 (+/- 0.777)	868.56 (+/- 1.245)	871.13 (+/- 0.289)
FWHM	5.27 (+/- 1.959)	4.13 (+/- 1.489)	4.91 (+/- 1.653)	5.20 (+/- 2.230)	6.45 (+/- 3.826)	4.71 (+/- 0.742)

Executed 2011-08-02 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2009	2005	2005	2003	2002	8022
LiveTime [s]	300.836	331.82	329.863	316.824	843.658	1279.343
Gain	0.988154	1.011364	0.995984	0.958364	1.108235	-
Peak	870.49 (+/- 0.689)	871.36 (+/- 0.547)	869.93 (+/- 0.620)	867.80 (+/- 0.760)	868.23 (+/- 1.303)	870.21 (+/- 0.296)
FWHM	5.10 (+/- 1.837)	4.37 (+/- 1.426)	4.64 (+/- 1.665)	5.19 (+/- 2.085)	7.93 (+/- 4.180)	4.68 (+/- 0.765)

Executed 2011-08-02 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2005	2003	2008	2001	8018
LiveTime [s]	286.839	327.83	329.863	315.825	914.68	1260.357

Gain	1.025892	1.050378	1.04034	0.998558	1.158744	-
Peak	870.81 (+/- 0.553)	870.22 (+/- 0.606)	870.68 (+/- 0.562)	869.61 (+/- 0.808)	869.21 (+/- 1.692)	870.19 (+/- 0.310)
FWHM	4.51 (+/- 1.342)	4.58 (+/- 1.691)	4.48 (+/- 1.465)	5.43 (+/- 2.151)	7.70 (+/- 5.271)	4.58 (+/- 0.803)

Executed 2011-08-02 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2004	2007	2001	2007	2002	8019
LiveTime [s]	301.837	321.841	340.863	310.845	904.689	1275.386
Gain	1.01793	1.039897	1.037715	0.992264	1.146577	-
Peak	871.71 (+/- 0.500)	872.07 (+/- 0.570)	870.29 (+/- 0.650)	870.21 (+/- 0.698)	871.15 (+/- 1.251)	871.22 (+/- 0.330)
FWHM	4.43 (+/- 1.229)	4.48 (+/- 1.487)	4.61 (+/- 1.688)	5.76 (+/- 1.981)	6.08 (+/- 3.728)	4.74 (+/- 0.827)

Executed 2011-08-03 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2004	2004	2006	2007	2007	8021
LiveTime [s]	312.835	328.841	334.871	306.838	932.678	1283.385
Gain	0.970466	0.989333	0.981146	0.943493	1.094734	-
Peak	870.26 (+/- 0.631)	869.79 (+/- 0.601)	870.57 (+/- 0.692)	871.01 (+/- 0.716)	870.66 (+/- 1.573)	870.47 (+/- 0.285)
FWHM	4.93 (+/- 1.624)	4.48 (+/- 1.546)	4.59 (+/- 1.860)	5.31 (+/- 1.932)	7.01 (+/- 5.166)	4.60 (+/- 0.718)

Executed 2011-08-03 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2001	2001	2004	2002	8011
LiveTime [s]	294.843	334.828	336.867	325.825	879.699	1292.362
Gain	1.011275	1.034576	1.027046	0.986617	1.146379	-
Peak	872.20 (+/- 0.616)	873.15 (+/- 0.529)	870.77 (+/- 0.582)	871.12 (+/- 0.679)	869.01 (+/- 1.871)	871.82 (+/- 0.310)
FWHM	4.94 (+/- 1.673)	4.38 (+/- 1.389)	4.79 (+/- 1.477)	5.58 (+/- 1.804)	6.33 (+/- 6.896)	4.77 (+/- 0.818)

Executed 2011-08-03 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2007	2007	2002	2001	8017

LiveTime [s]	298.85	318.834	341.864	324.831	883.704	1284.379
Gain	1.011177	1.032141	1.029539	0.986887	1.141523	-
Peak	871.89 (+/- 0.505)	870.89 (+/- 0.557)	870.82 (+/- 0.524)	870.72 (+/- 0.752)	869.65 (+/- 1.624)	871.16 (+/- 0.276)
FWHM	4.45 (+/- 1.319)	4.66 (+/- 1.513)	4.83 (+/- 1.355)	5.23 (+/- 2.039)	6.28 (+/- 5.748)	4.70 (+/- 0.713)

Executed 2011-08-03 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2006	2001	2005	2011	2001	8023
LiveTime [s]	286.85	328.839	322.872	302.847	886.698	1241.408
Gain	1.007068	1.025679	1.027676	0.983575	1.142869	-
Peak	872.46 (+/- 0.536)	872.28 (+/- 0.506)	871.55 (+/- 0.772)	871.43 (+/- 0.693)	863.78 (+/- 1.400)	871.96 (+/- 0.360)
FWHM	4.76 (+/- 1.337)	4.40 (+/- 1.307)	4.68 (+/- 1.961)	5.32 (+/- 1.877)	5.80 (+/- 4.705)	4.66 (+/- 0.913)

Executed 2011-08-04 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2008	2002	2004	2008	2001	8022
LiveTime [s]	301.836	329.838	340.872	306.836	892.681	1279.384
Gain	0.965538	0.98505	0.977893	0.939206	1.097966	-
Peak	869.40 (+/- 0.607)	869.52 (+/- 0.538)	869.23 (+/- 0.537)	869.44 (+/- 0.918)	865.51 (+/- 1.312)	869.40 (+/- 0.306)
FWHM	4.55 (+/- 1.741)	4.59 (+/- 1.396)	4.24 (+/- 1.387)	5.43 (+/- 2.557)	6.36 (+/- 4.323)	4.49 (+/- 0.798)

Executed 2011-08-04 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2005	2008	2008	2001	8026
LiveTime [s]	286.848	308.84	329.867	306.829	861.691	1232.384
Gain	1.009108	1.030825	1.025351	0.985181	1.154215	-
Peak	871.42 (+/- 0.628)	872.50 (+/- 0.668)	870.26 (+/- 0.604)	870.53 (+/- 0.747)	867.13 (+/- 1.588)	871.10 (+/- 0.312)
FWHM	4.38 (+/- 1.720)	4.57 (+/- 1.741)	4.62 (+/- 1.637)	5.55 (+/- 2.041)	7.20 (+/- 5.465)	4.59 (+/- 0.822)

Executed 2011-08-04 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
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Status	Done	Done	Done	Done	Done	Done
Counts	2005	2004	2004	2008	2001	8021
LiveTime [s]	277.857	331.83	338.872	299.845	873.707	1248.403
Gain	1.005022	1.02797	1.023526	0.979746	1.150201	-
Peak	871.92 (+/- 0.715)	872.31 (+/- 0.648)	870.69 (+/- 0.511)	869.45 (+/- 0.736)	871.50 (+/- 1.365)	871.41 (+/- 0.308)
FWHM	5.10 (+/- 1.996)	4.52 (+/- 1.698)	4.85 (+/- 1.379)	5.51 (+/- 2.134)	5.85 (+/- 4.701)	4.82 (+/- 0.809)

Executed 2011-08-05 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2003	2001	2005	2002	2001	8011
LiveTime [s]	305.836	313.837	322.87	296.84	881.667	1239.384
Gain	0.96745	0.988824	0.980549	0.939629	1.100578	-
Peak	869.95 (+/- 0.700)	872.04 (+/- 0.615)	870.35 (+/- 0.588)	867.43 (+/- 0.681)	868.52 (+/- 1.213)	870.24 (+/- 0.330)
FWHM	4.78 (+/- 2.022)	4.85 (+/- 1.627)	4.18 (+/- 1.559)	4.94 (+/- 1.875)	6.49 (+/- 3.769)	4.46 (+/- 0.859)

Executed 2011-08-05 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2008	2002	2002	2004	2003	8016
LiveTime [s]	293.831	322.828	336.863	314.822	865.677	1268.345
Gain	1.009655	1.03171	1.022791	0.986247	1.152698	-
Peak	872.45 (+/- 0.590)	871.87 (+/- 0.600)	869.63 (+/- 0.637)	870.01 (+/- 0.693)	870.13 (+/- 1.236)	870.94 (+/- 0.292)
FWHM	4.56 (+/- 1.593)	4.01 (+/- 1.584)	4.41 (+/- 1.672)	5.45 (+/- 1.790)	6.29 (+/- 3.870)	4.36 (+/- 0.779)

Executed 2011-08-05 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2009	2009	2005	2006	2002	8029
LiveTime [s]	278.85	320.843	335.865	306.837	829.707	1242.396
Gain	1.012647	1.034272	1.026602	0.989657	1.159073	-
Peak	871.67 (+/- 0.720)	871.47 (+/- 0.529)	869.44 (+/- 0.635)	869.82 (+/- 0.761)	870.06 (+/- 1.361)	870.69 (+/- 0.325)
FWHM	5.02 (+/- 1.942)	4.43 (+/- 1.341)	4.82 (+/- 1.752)	5.27 (+/- 2.135)	5.81 (+/- 4.691)	4.70 (+/- 0.869)

Executed 2011-08-08 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2007	2005	2007	2005	2001	8024
LiveTime [s]	316.831	339.829	350.862	324.819	915.668	1332.341
Gain	0.97584	0.998563	0.988718	0.948087	1.131321	-
Peak	872.44 (+/- 0.535)	871.55 (+/- 0.557)	869.92 (+/- 0.638)	870.70 (+/- 0.705)	872.16 (+/- 1.351)	871.23 (+/- 0.283)
FWHM	4.75 (+/- 1.396)	4.43 (+/- 1.439)	4.36 (+/- 1.719)	4.82 (+/- 1.844)	6.57 (+/- 4.047)	4.50 (+/- 0.729)

Executed 2011-08-08 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2003	2004	2005	2005	2001	8017
LiveTime [s]	306.842	322.837	335.873	325.816	902.7	1291.367
Gain	1.015332	1.041354	1.03032	0.990606	1.174643	-
Peak	870.45 (+/- 0.593)	871.38 (+/- 0.616)	870.10 (+/- 0.490)	870.89 (+/- 0.699)	867.30 (+/- 1.554)	870.73 (+/- 0.324)
FWHM	4.58 (+/- 1.522)	4.48 (+/- 1.638)	4.31 (+/- 1.305)	5.56 (+/- 1.837)	7.09 (+/- 4.571)	4.50 (+/- 0.855)

Executed 2011-08-08 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2003	2008	2005	2002	2003	8018
LiveTime [s]	289.852	320.836	345.866	307.836	907.695	1264.39
Gain	1.013449	1.037919	1.028173	0.986969	1.176247	-
Peak	872.34 (+/- 0.589)	872.05 (+/- 0.665)	870.84 (+/- 0.629)	869.52 (+/- 0.532)	868.74 (+/- 1.315)	871.60 (+/- 0.309)
FWHM	4.64 (+/- 1.506)	4.59 (+/- 1.786)	4.80 (+/- 1.630)	4.87 (+/- 1.437)	6.89 (+/- 4.295)	4.65 (+/- 0.784)

Executed 2911-08-09 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2003	2004	2002	2001	2003	8010
LiveTime [s]	313.818	321.829	356.854	320.817	907.649	1313.317
Gain	1.030913	1.060099	1.039492	1.007112	1.191136	-
Peak	871.04 (+/- 0.539)	871.87 (+/- 0.624)	870.06 (+/- 0.673)	869.33 (+/- 0.788)	873.49 (+/- 1.412)	870.62 (+/- 0.331)
FWHM	4.96 (+/- 1.411)	4.46 (+/- 1.698)	4.68 (+/- 1.751)	5.82 (+/- 2.137)	6.79 (+/- 4.341)	4.83 (+/- 0.842)

Executed 2911-08-09 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2004	2002	2006	2002	2004	8014
LiveTime [s]	287.837	342.827	338.862	308.826	923.645	1278.351
Gain	1.031355	1.060853	1.041002	1.007246	1.196456	-
Peak	871.54 (+/- 0.607)	872.16 (+/- 0.507)	869.78 (+/- 0.633)	870.03 (+/- 0.676)	867.76 (+/- 1.443)	870.84 (+/- 0.293)
FWHM	4.53 (+/- 1.587)	4.64 (+/- 1.330)	4.68 (+/- 1.657)	5.51 (+/- 1.860)	7.16 (+/- 4.310)	4.68 (+/- 0.752)

Executed 2911-08-09 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2004	2008	2006	2002	8023
LiveTime [s]	288.853	325.831	325.867	308.832	854.698	1249.383
Gain	1.026906	1.054736	1.040947	1.003394	1.191643	-
Peak	872.19 (+/- 0.637)	871.29 (+/- 0.590)	871.56 (+/- 0.598)	869.10 (+/- 0.759)	867.64 (+/- 1.209)	871.22 (+/- 0.330)
FWHM	4.76 (+/- 1.654)	4.28 (+/- 1.517)	5.19 (+/- 1.639)	6.06 (+/- 2.216)	5.68 (+/- 3.683)	4.80 (+/- 0.846)

Executed 2011-08-10 RSI System Test Report RSX-5 SN5516_hv_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2014	2005	2007	2002	2002	8028
LiveTime [s]	292.842	340.831	341.857	307.83	759.715	1283.361
Gain	0.999333	1.02711	1.006452	0.973623	1.084591	-
Peak	870.97 (+/- 0.634)	870.27 (+/- 0.679)	870.15 (+/- 0.602)	869.98 (+/- 0.619)	868.26 (+/- 2.091)	870.57 (+/- 0.325)
FWHM	5.28 (+/- 1.649)	4.63 (+/- 1.790)	4.85 (+/- 1.572)	5.12 (+/- 1.612)	6.61 (+/- 7.571)	4.93 (+/- 0.850)

Executed 2011-08-10 RSI System Test Report RSX-5 SN5516_hv_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2009	2001	2004	2001	2002	8015
LiveTime [s]	288.836	334.831	339.866	305.83	882.685	1269.362
Gain	1.003336	1.031741	1.009223	0.977768	1.088927	-
Peak	871.21 (+/- 0.692)	871.31 (+/- 0.500)	870.41 (+/- 0.497)	871.28 (+/- 0.707)	864.80 (+/- 1.134)	871.00 (+/- 0.289)
FWHM	4.98 (+/- 1.805)	4.54 (+/- 1.333)	4.09 (+/- 1.306)	5.17 (+/- 1.879)	6.51 (+/- 3.433)	4.59 (+/- 0.736)

Executed 2011-08-11 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2005	2003	2004	2003	8017
LiveTime [s]	298.834	331.825	343.858	320.83	877.683	1295.347
Gain	0.987525	1.014368	0.99865	0.961795	1.080512	-
Peak	871.88 (+/- 0.498)	870.84 (+/- 0.509)	869.73 (+/- 0.553)	870.02 (+/- 0.803)	858.63 (+/- 1.377)	870.79 (+/- 0.315)
FWHM	4.60 (+/- 1.315)	4.07 (+/- 1.339)	4.08 (+/- 1.445)	5.14 (+/- 2.263)	4.07 (+/- 4.091)	4.29 (+/- 0.834)

Executed 2011-08-11 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2008	2004	2004	2004	8018
LiveTime [s]	279.852	330.824	340.853	309.837	877.694	1261.366
Gain	1.02648	1.05492	1.041426	1.001711	1.124676	-
Peak	872.64 (+/- 0.599)	870.46 (+/- 0.590)	871.22 (+/- 0.470)	870.41 (+/- 0.835)	870.19 (+/- 1.252)	871.37 (+/- 0.320)
FWHM	4.49 (+/- 1.528)	4.74 (+/- 1.570)	4.32 (+/- 1.211)	5.81 (+/- 2.344)	7.35 (+/- 3.618)	4.72 (+/- 0.811)

Executed 2011-08-11 RSI System Test Report RSX-5 SN5516_4.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2001	2003	2004	2002	8009
LiveTime [s]	309.84	342.829	335.865	312.83	914.679	1301.364
Gain	1.021323	1.047279	1.039816	0.99515	1.122035	-
Peak	871.76 (+/- 0.526)	871.41 (+/- 0.522)	869.95 (+/- 0.751)	870.12 (+/- 0.667)	871.87 (+/- 1.688)	871.06 (+/- 0.288)
FWHM	4.37 (+/- 1.418)	4.33 (+/- 1.338)	4.94 (+/- 2.062)	5.62 (+/- 1.835)	6.49 (+/- 5.981)	4.72 (+/- 0.745)

Executed 2011-08-12 RSI System Test Report RSX-5 SN5516_1_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2005	2010	2011	2007	2002	8033
LiveTime [s]	293.834	333.824	330.858	299.824	911.638	1258.341
Gain	0.998538	1.026514	1.010037	0.973915	1.089252	-
Peak	872.89 (+/- 0.629)	870.67 (+/- 0.568)	870.30 (+/- 0.619)	870.34 (+/- 0.649)	865.97 (+/- 1.444)	871.47 (+/- 0.312)

FWHM	4.80 (+/- 1.732)	4.21 (+/- 1.559)	4.77 (+/- 1.643)	4.78 (+/- 1.866)	6.71 (+/- 4.919)	4.66 (+/- 0.821)
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Executed 2011-08-12 RSI System Test Report RSX-5 SN5516_3.csv

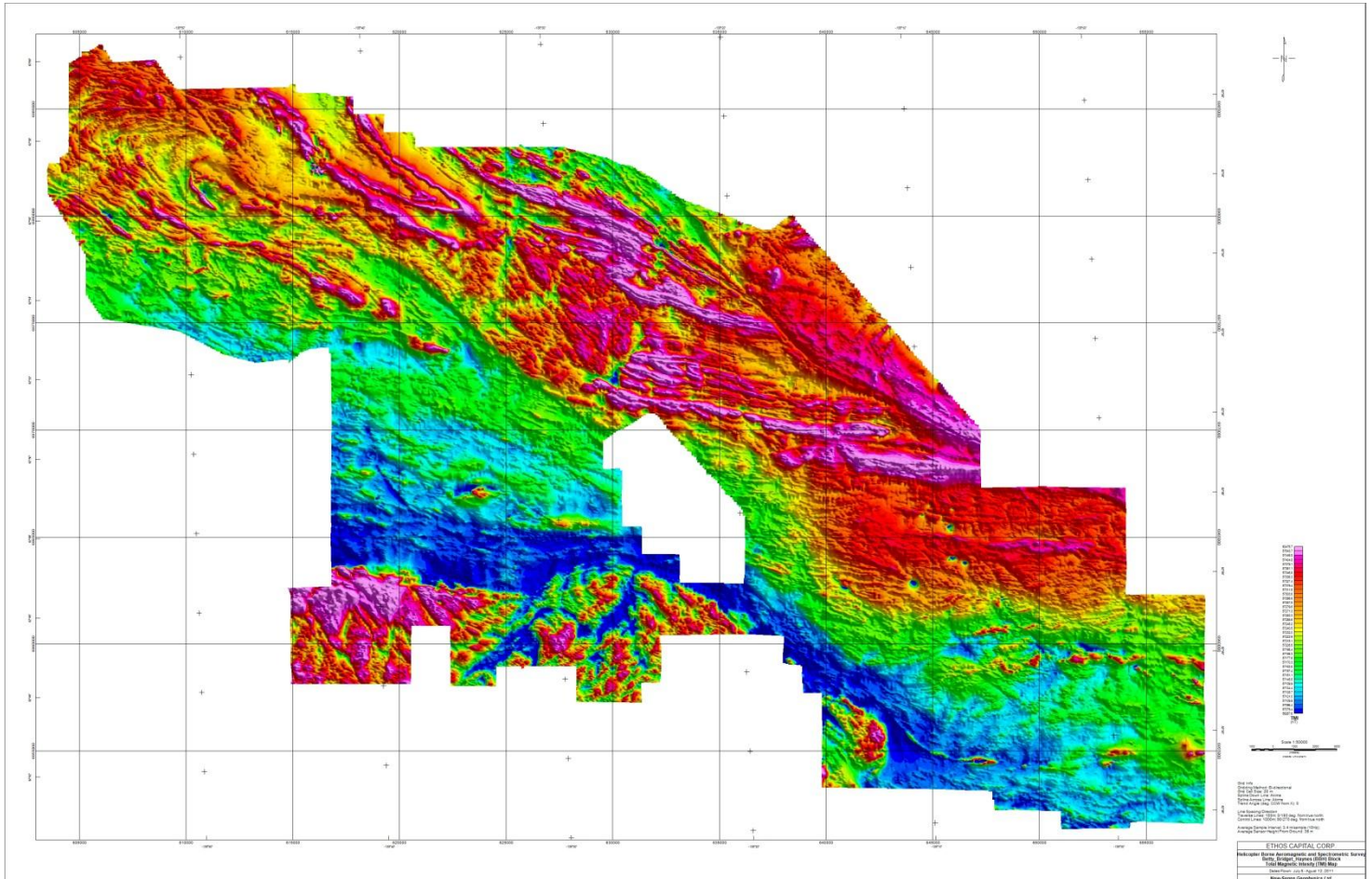
Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2001	2003	2005	2001	8010
LiveTime [s]	286.827	336.814	327.854	308.814	840.674	1260.309
Gain	1.025845	1.051428	1.037651	1.00003	1.122471	-
Peak	872.86 (+/- 0.540)	871.83 (+/- 0.680)	871.36 (+/- 0.612)	868.71 (+/- 0.650)	866.80 (+/- 1.386)	871.59 (+/- 0.310)
FWHM	4.69 (+/- 1.392)	4.83 (+/- 1.810)	4.38 (+/- 1.614)	4.96 (+/- 1.849)	5.75 (+/- 4.956)	4.71 (+/- 0.795)

Executed 2011-08-12 RSI System Test Report RSX-5 SN5516_4.csv

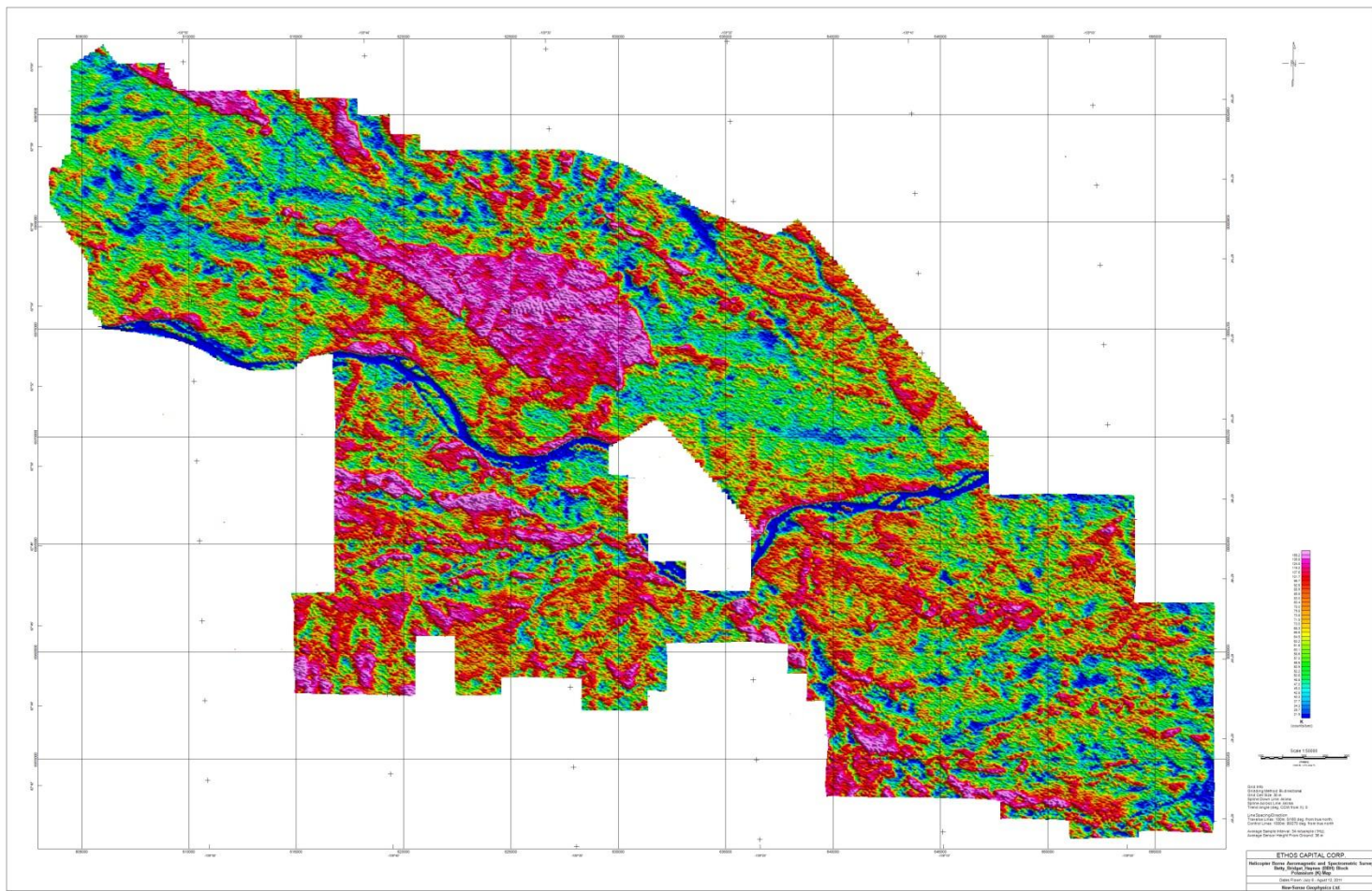
Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2004	2004	2003	2004	2004	8015
LiveTime [s]	284.846	319.844	336.867	313.822	876.689	1255.38
Gain	1.02197	1.049557	1.038898	0.996991	1.121563	-
Peak	874.08 (+/- 0.581)	871.26 (+/- 0.555)	870.94 (+/- 0.639)	871.36 (+/- 0.680)	868.58 (+/- 0.889)	872.01 (+/- 0.294)
FWHM	4.51 (+/- 1.549)	4.36 (+/- 1.515)	4.56 (+/- 1.714)	5.53 (+/- 1.764)	5.44 (+/- 2.508)	4.63 (+/- 0.752)

APPENDIX E: IMAGES OF FINAL MAPS

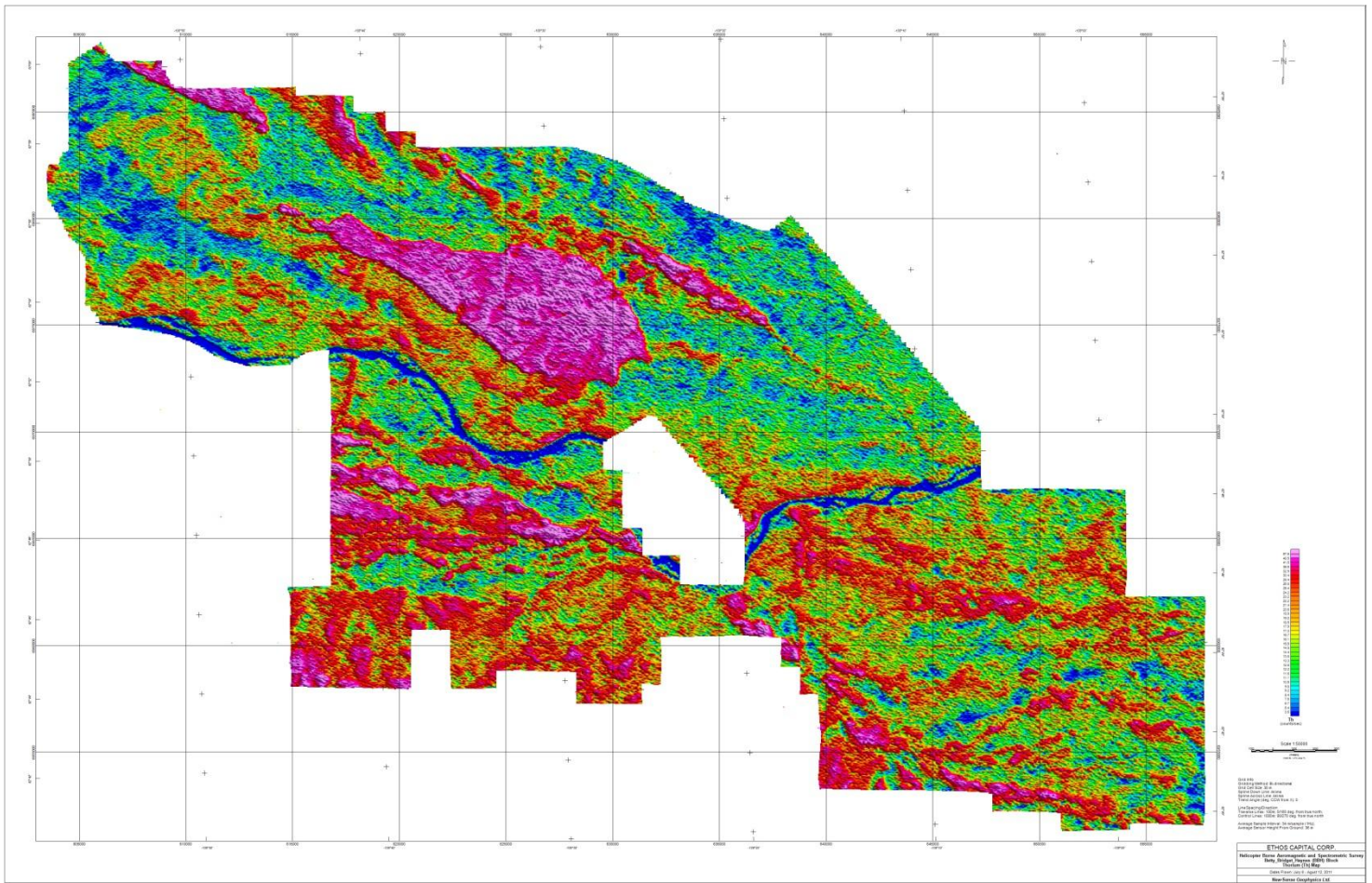
BBH Block Image of TMI FINAL Map



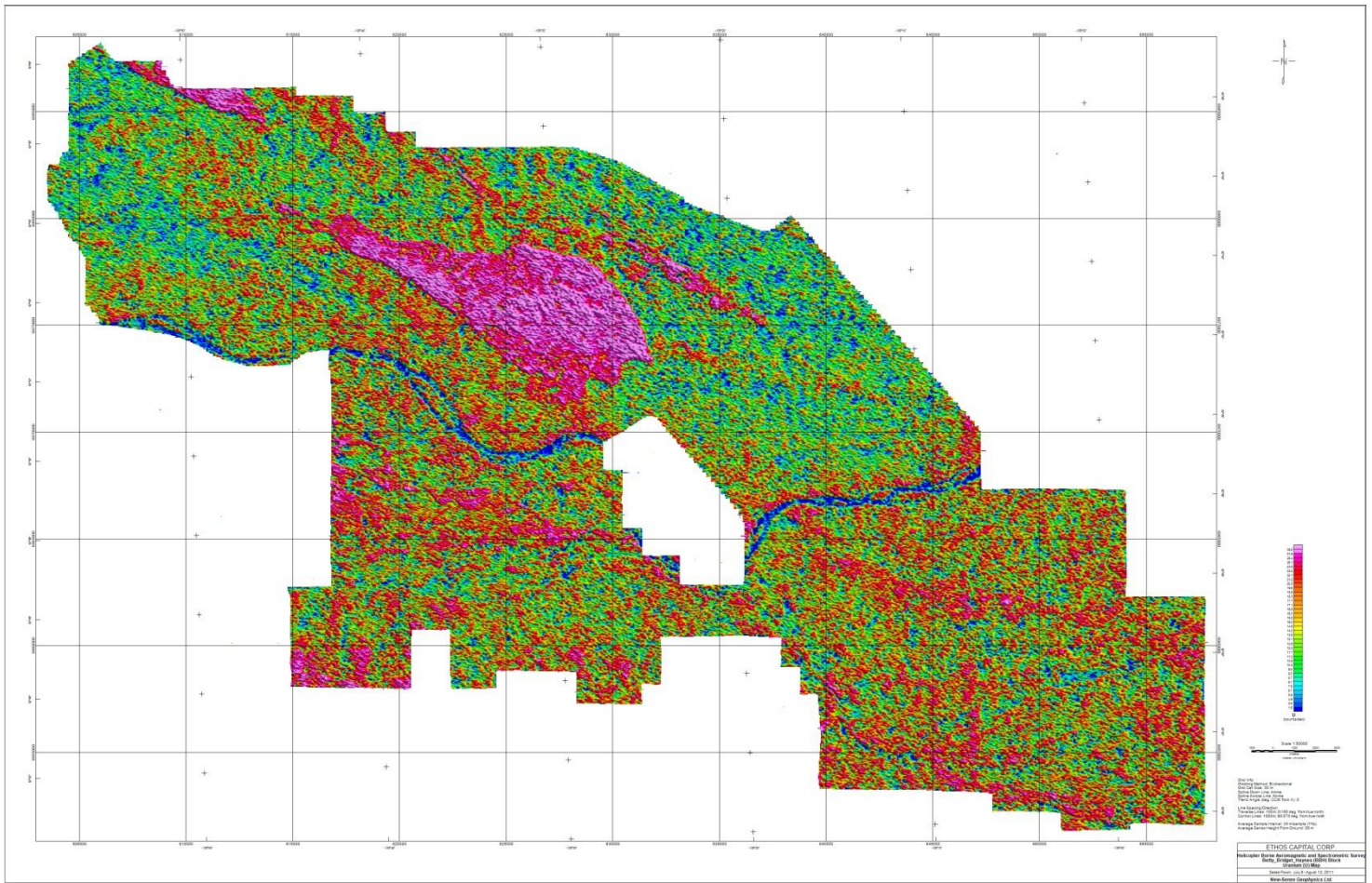
BBH Block Image of Potassium Map



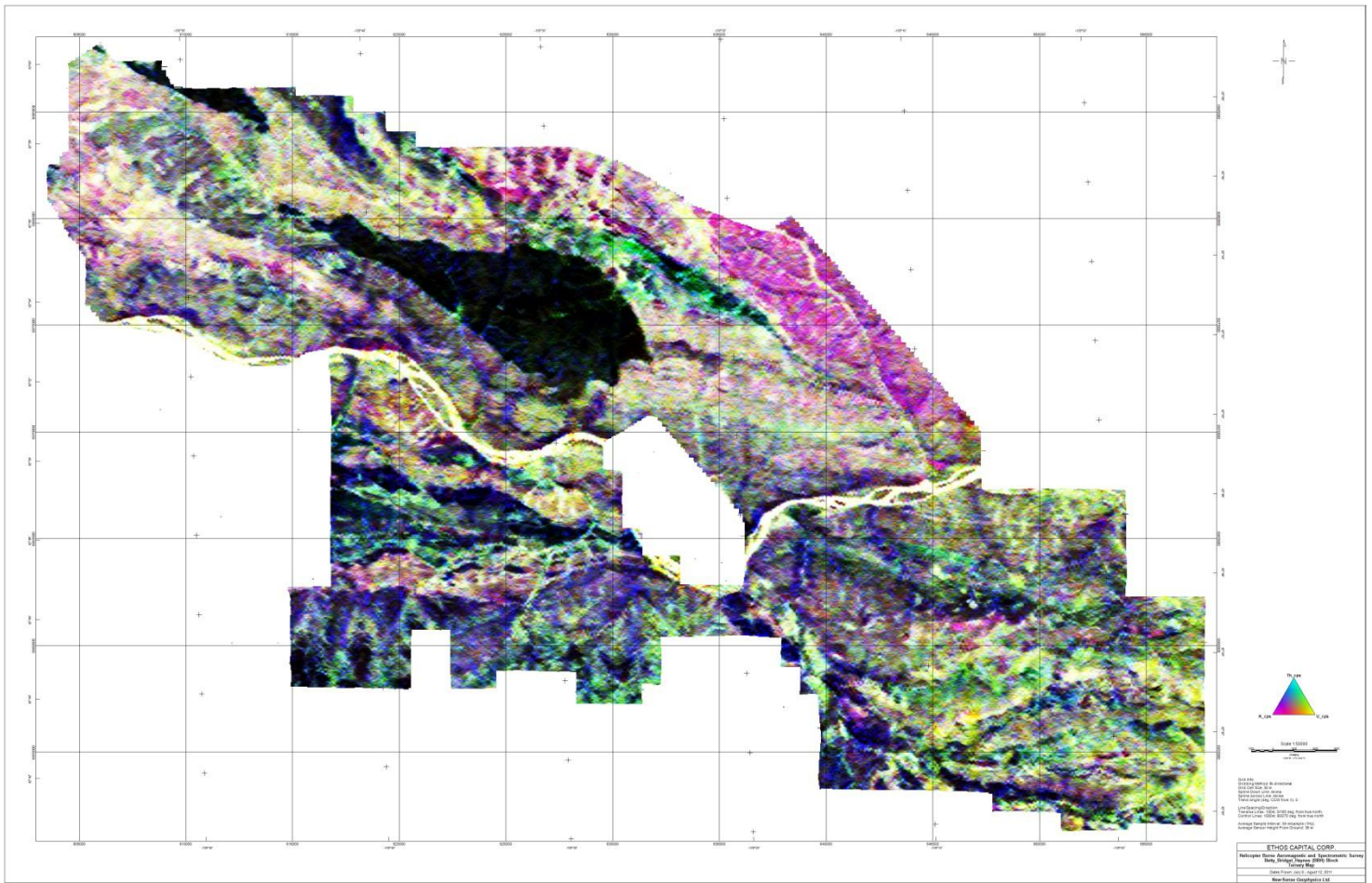
BBH Block Image of Thorium Map



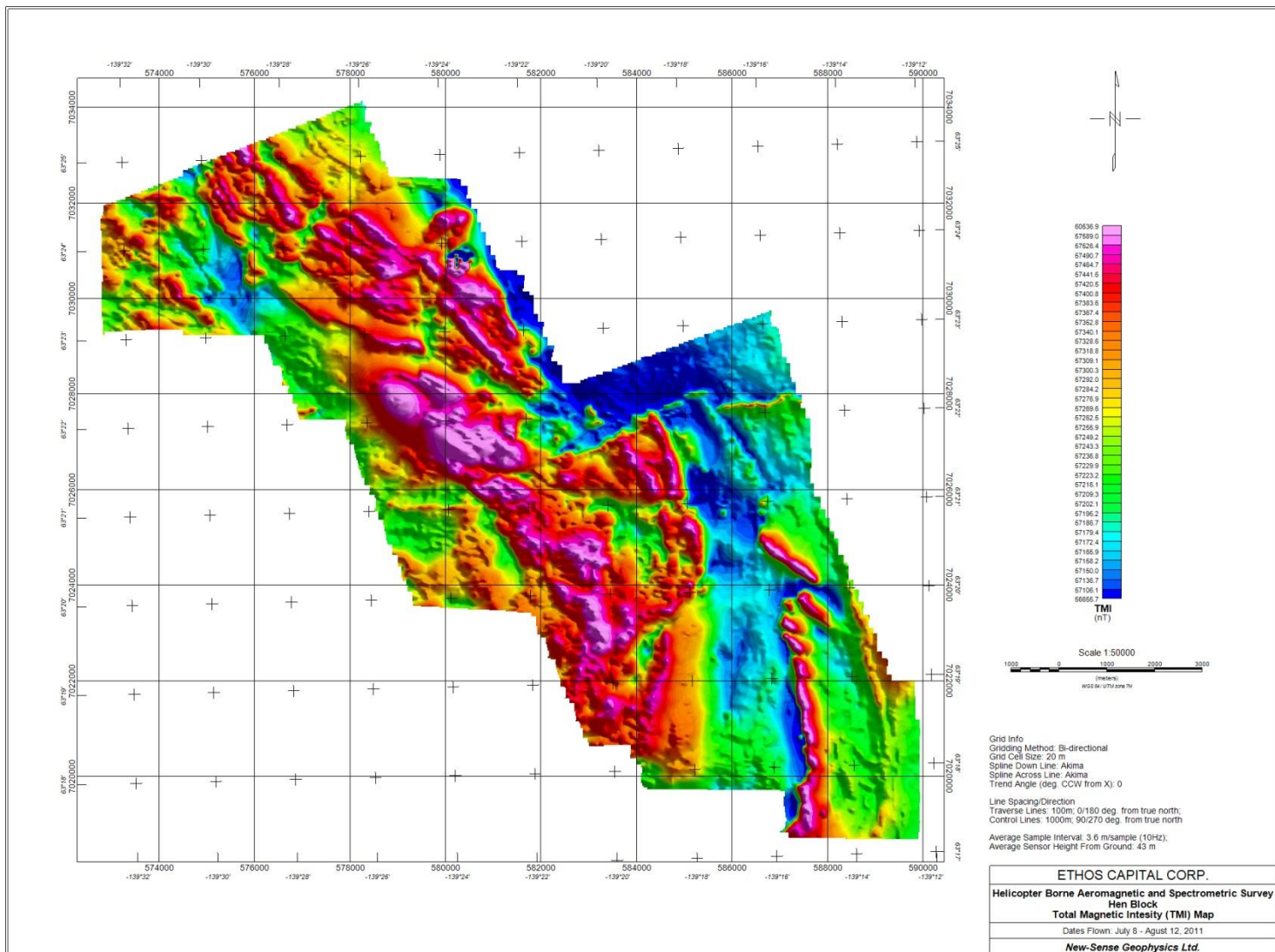
BBH Block Image of Uranium Map



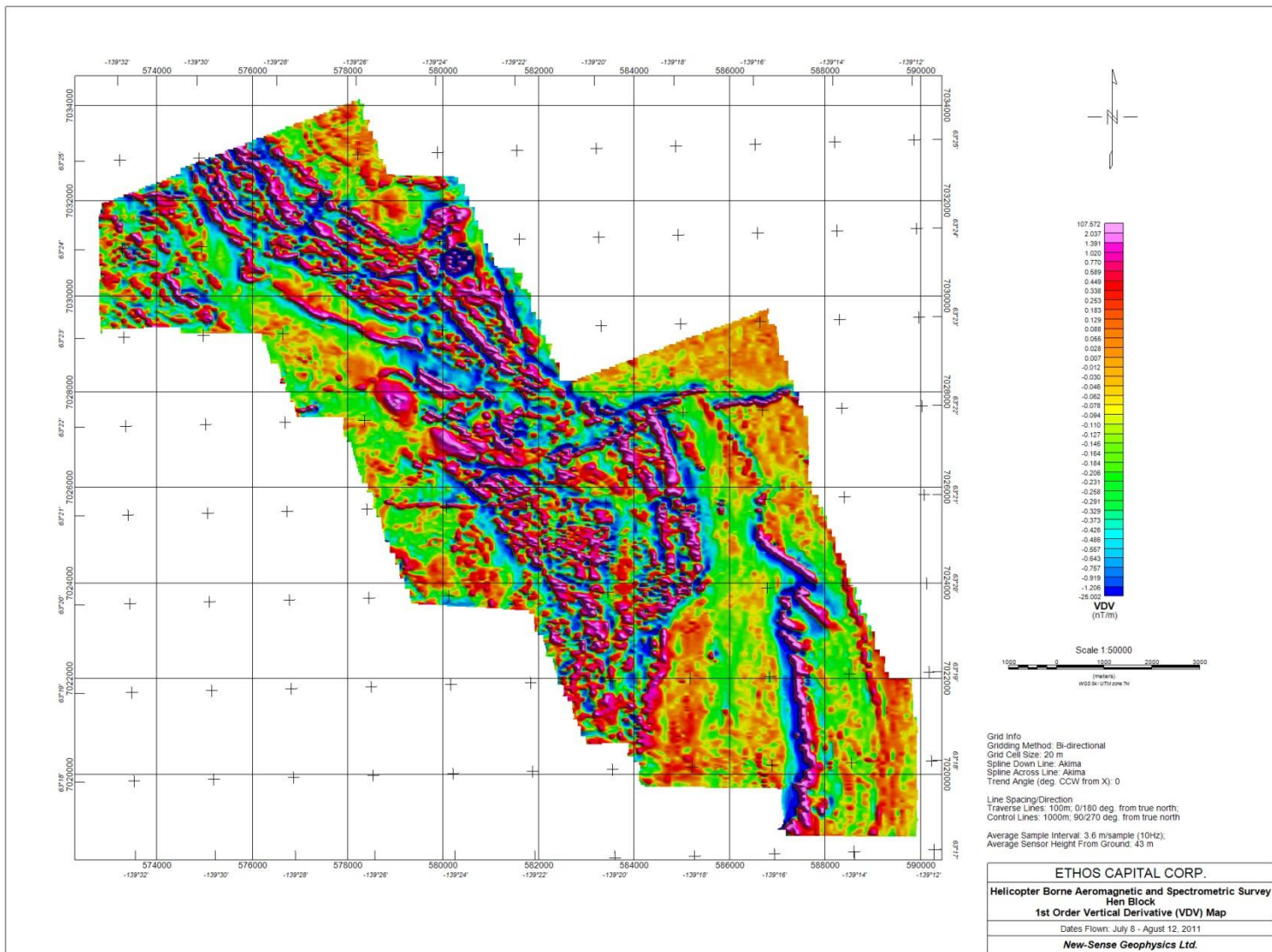
BBH Block Image of Ternary Map



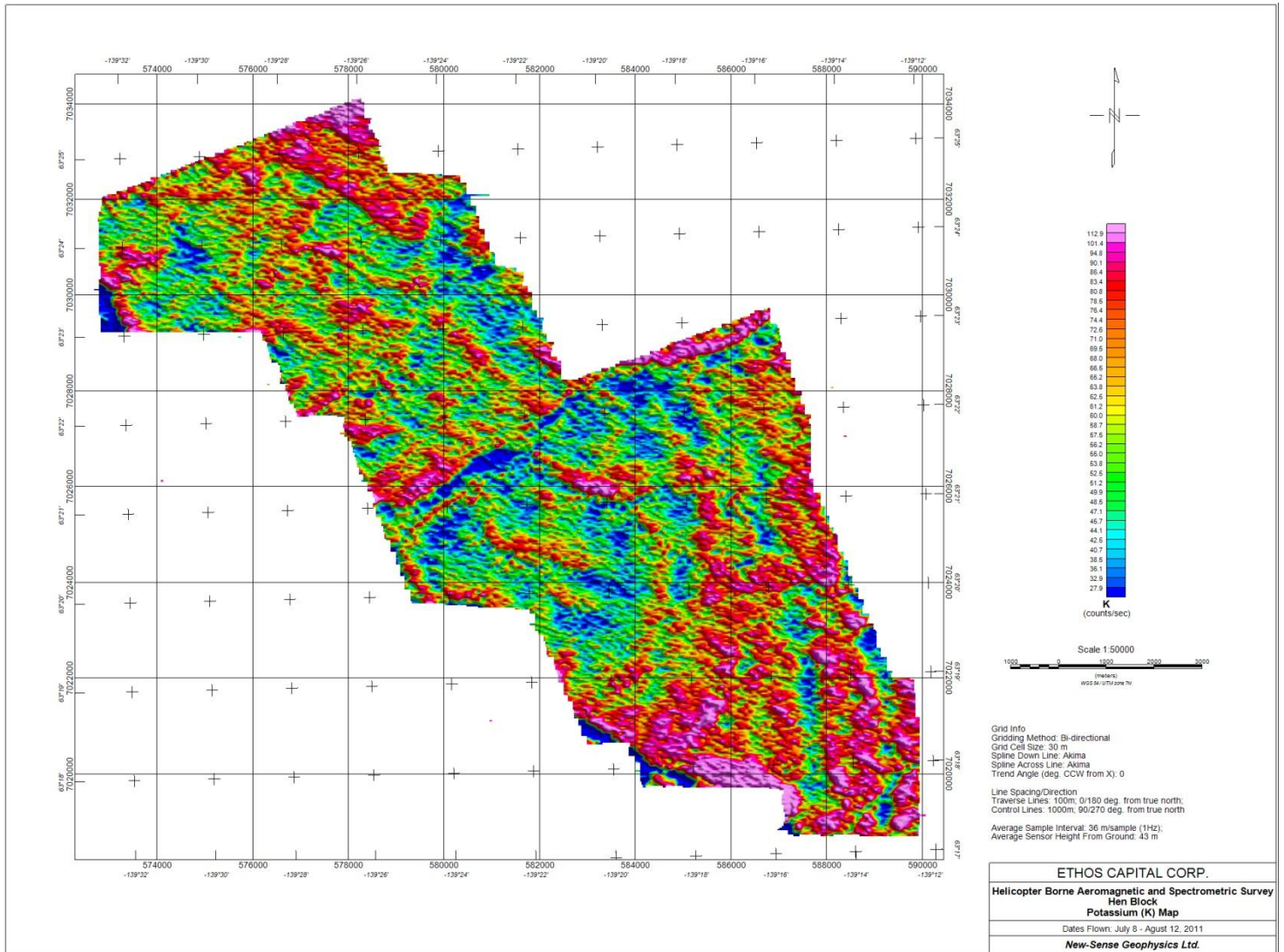
Hen Block Image of TMI FINAL Map



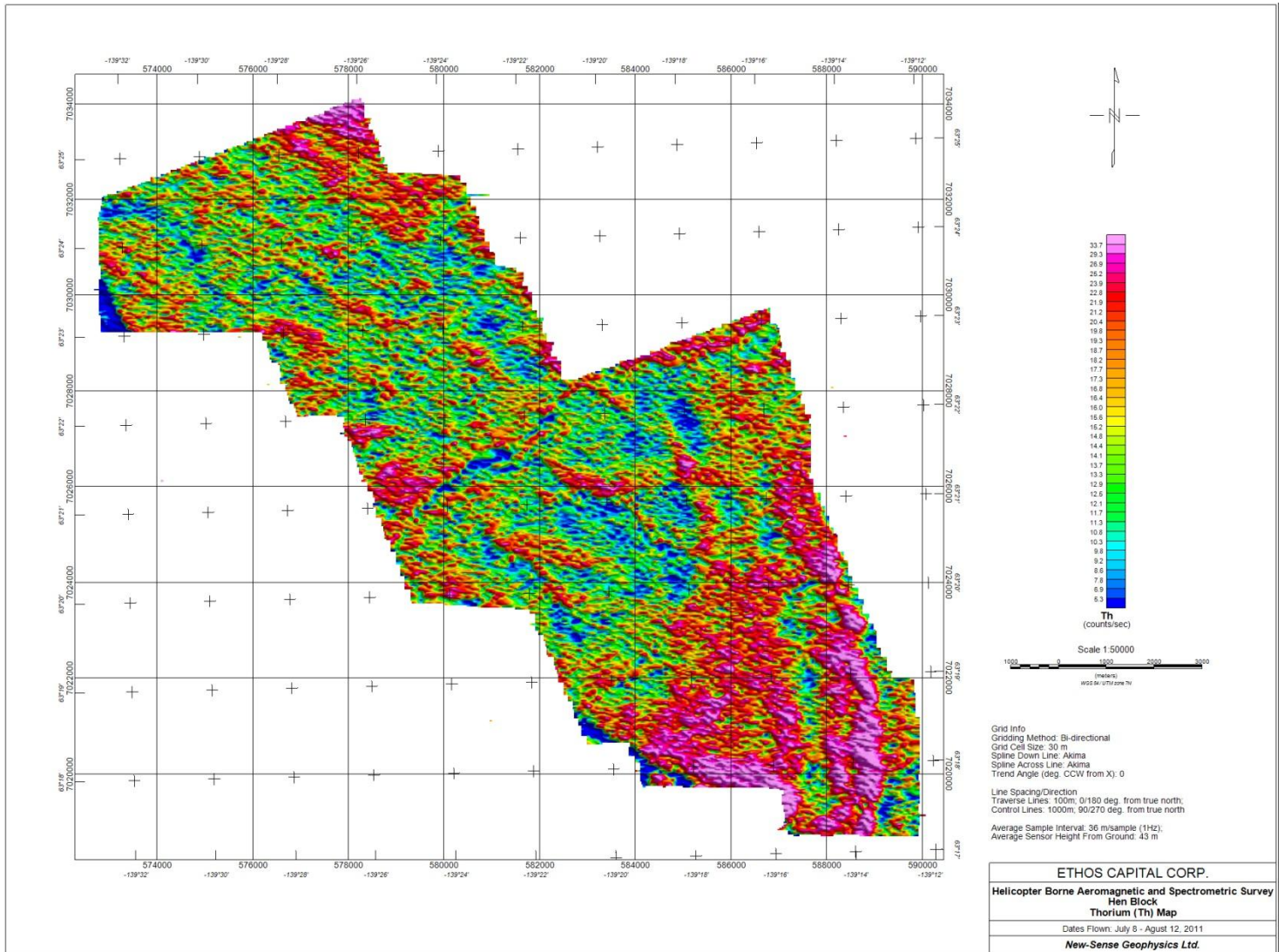
Hen Block Image of VDV Map



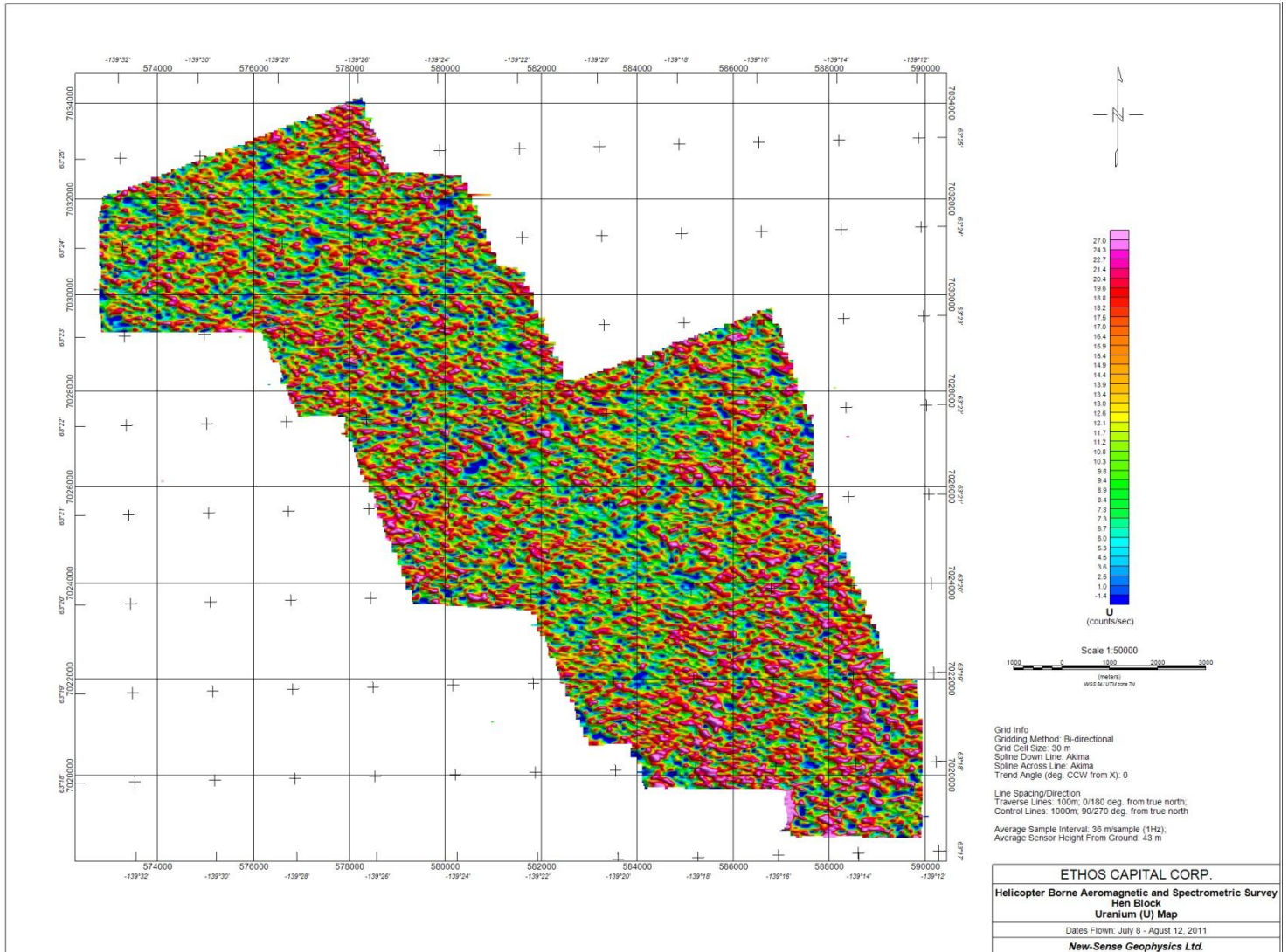
Hen Block Image of Potassium Map



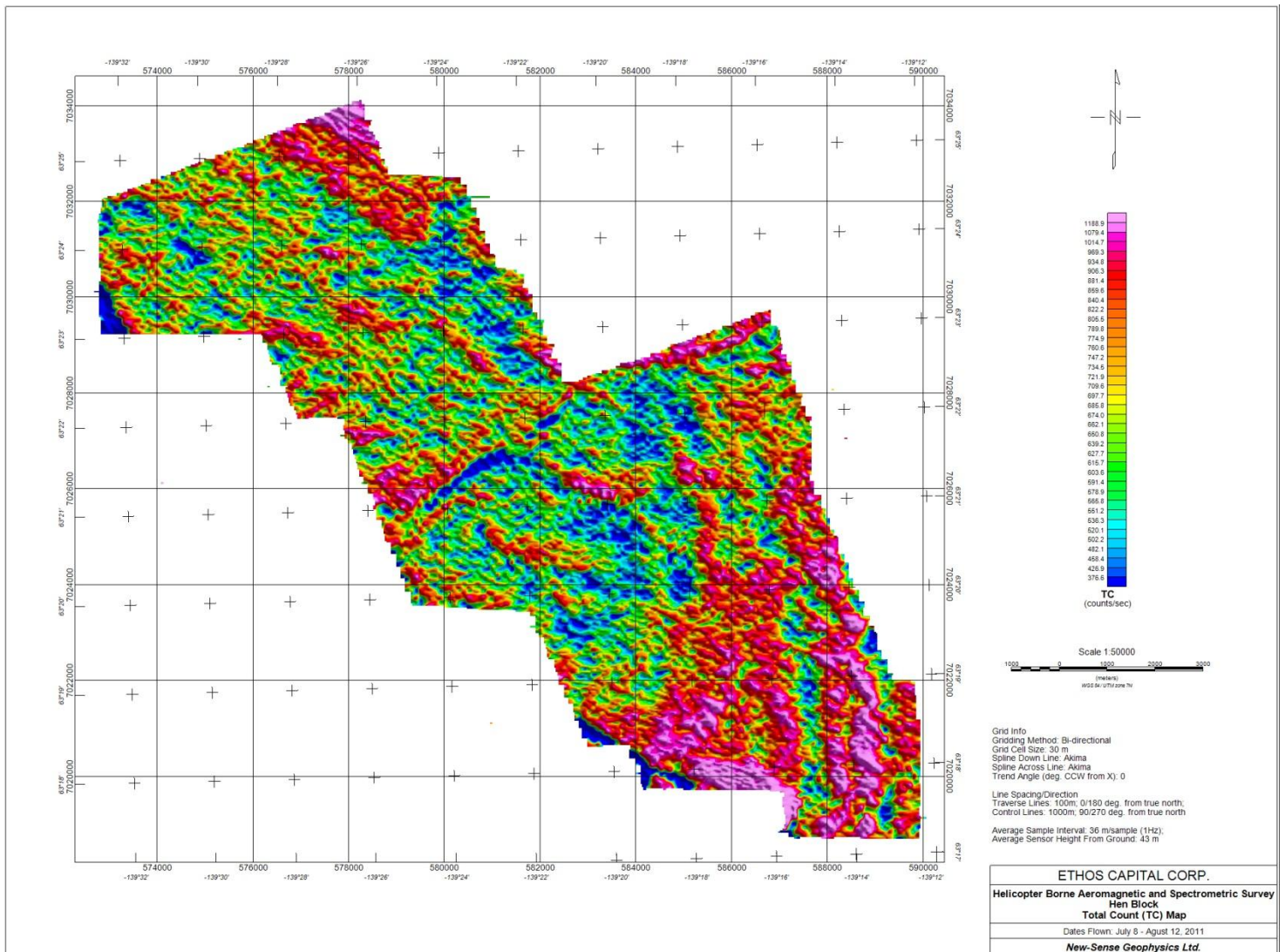
Hen Block Image of Thorium Map



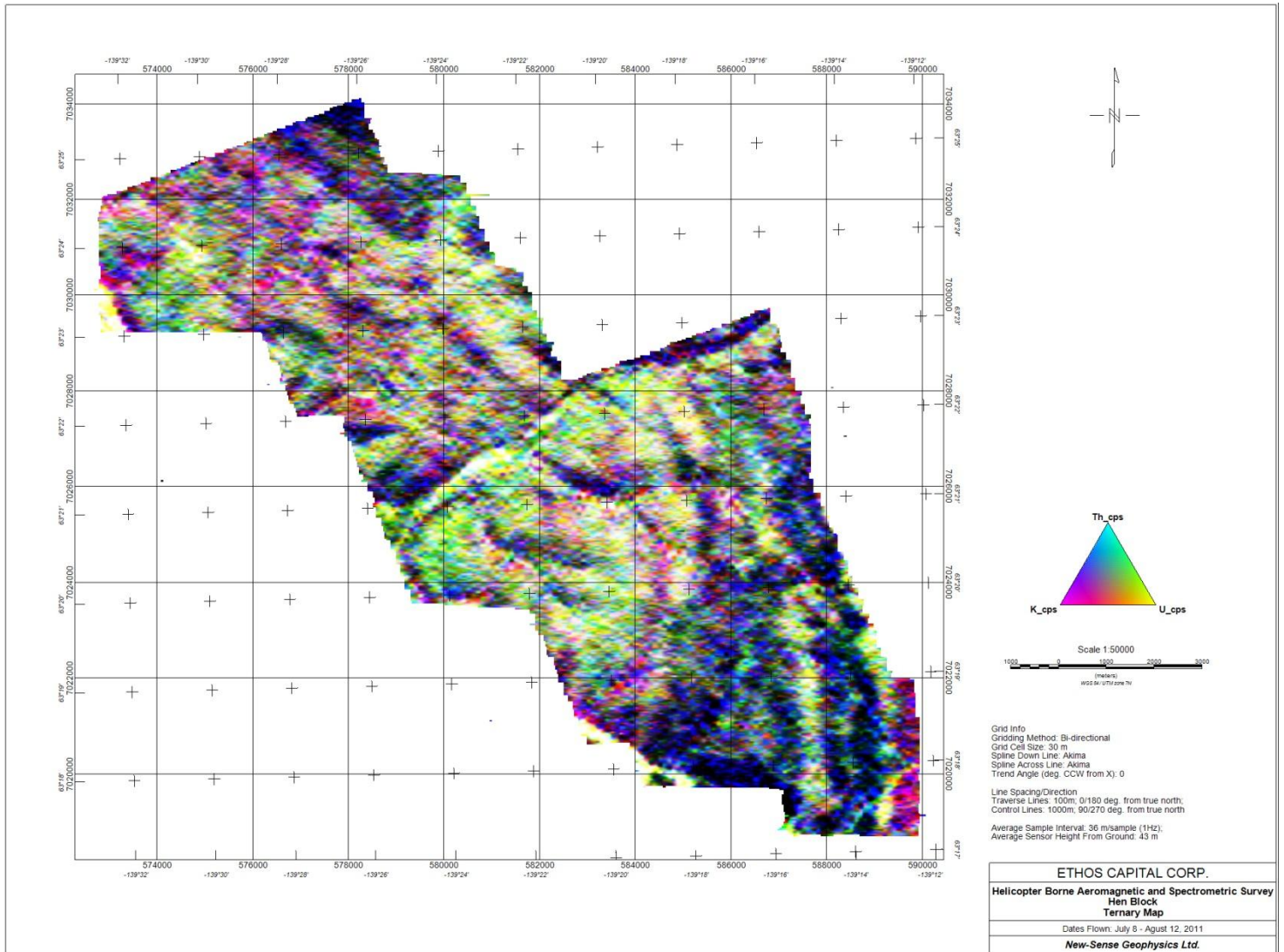
Hen Block Image of Uranium Map



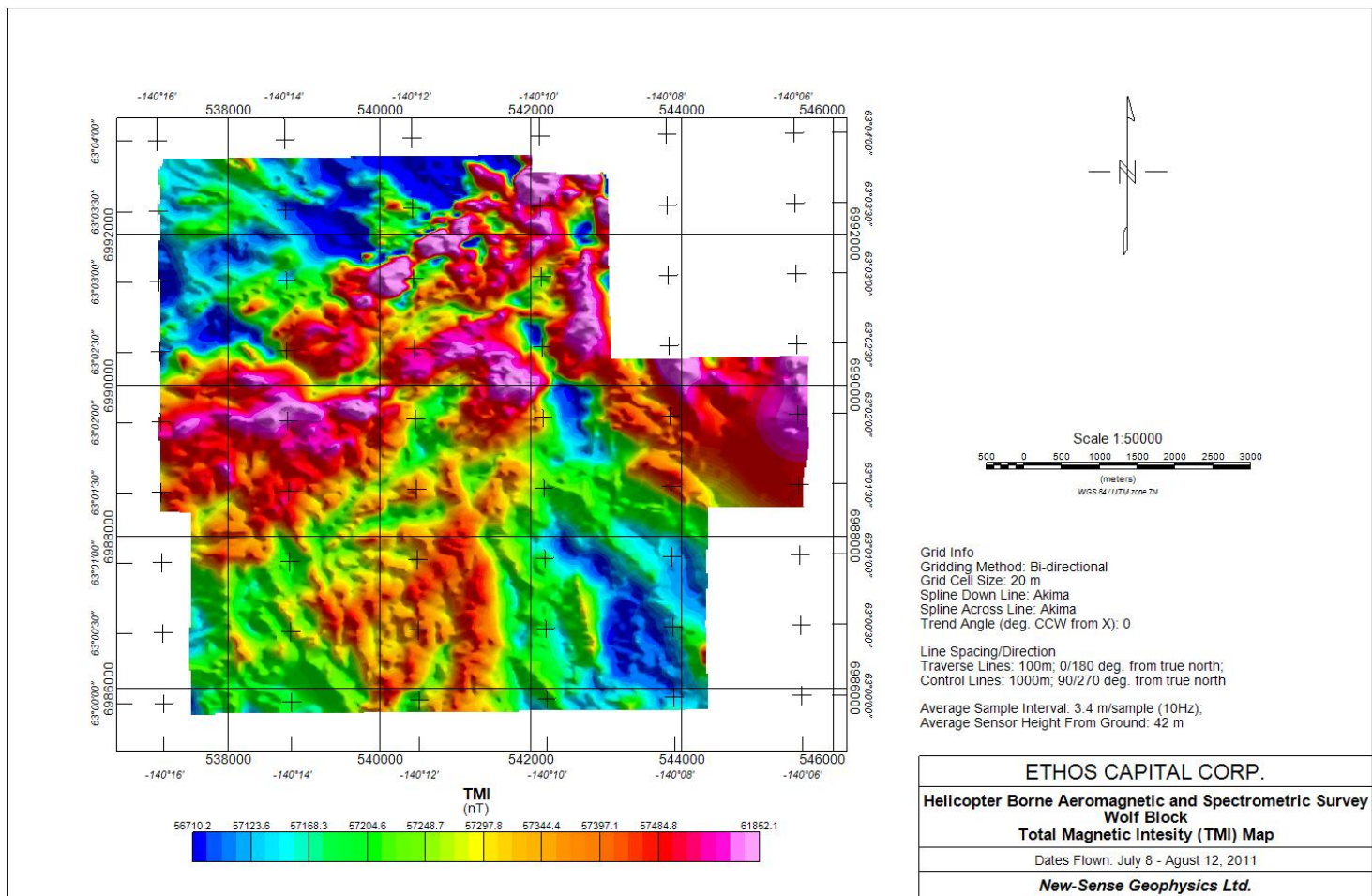
Hen Block Image of Total Count Map



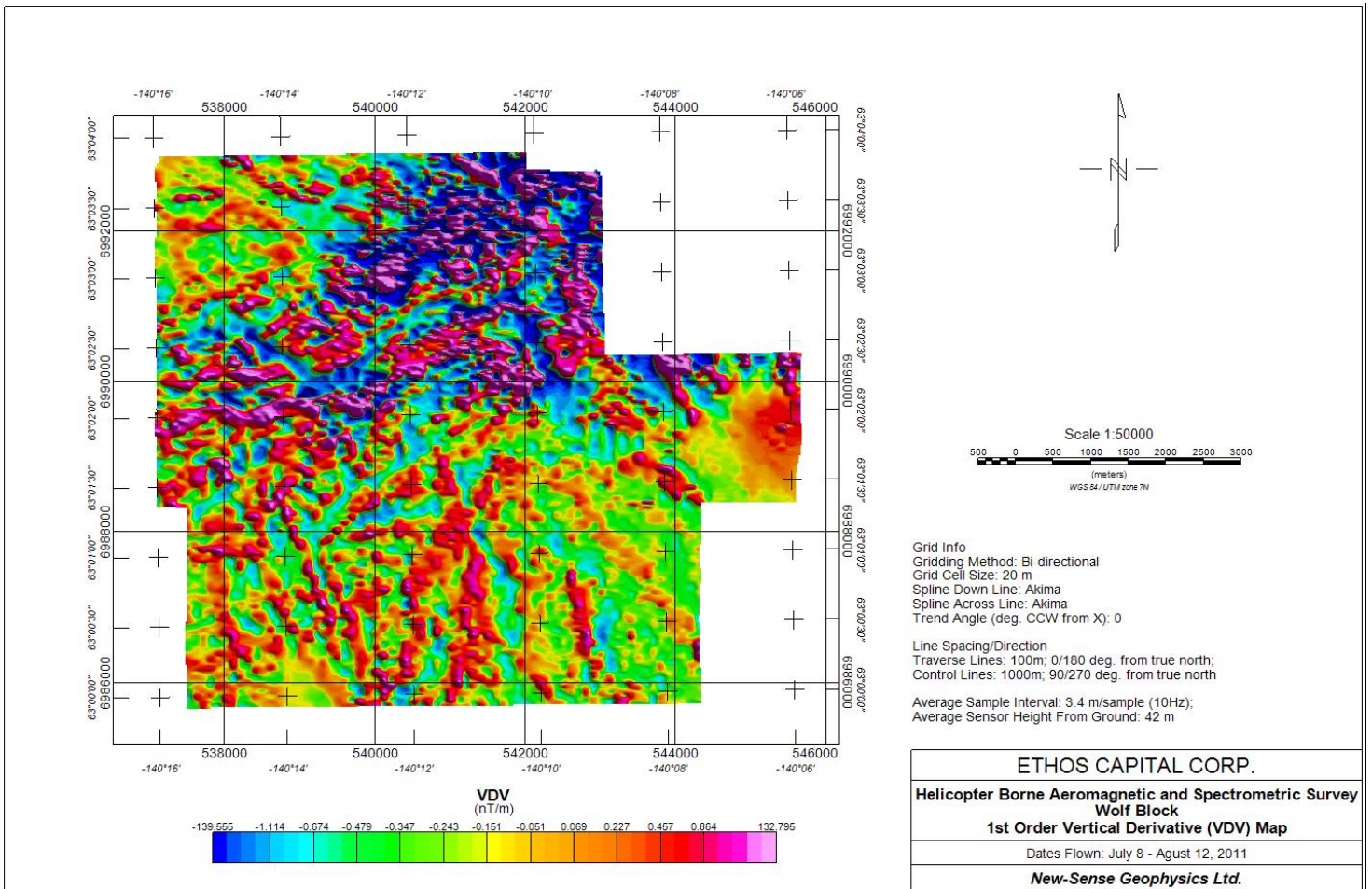
Hen Block Image of Ternary Map



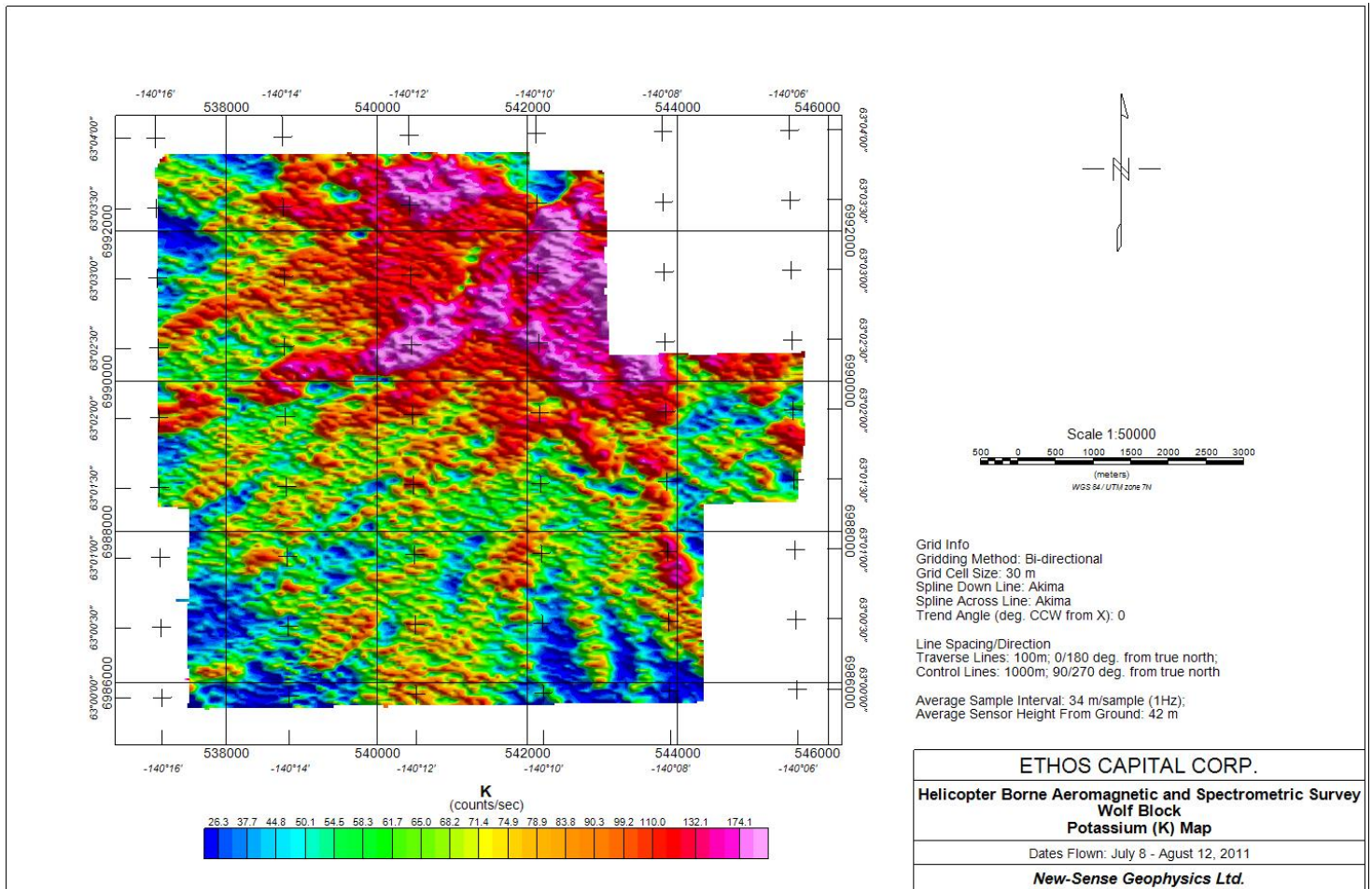
Wolf Block Image of TMI FINAL Map



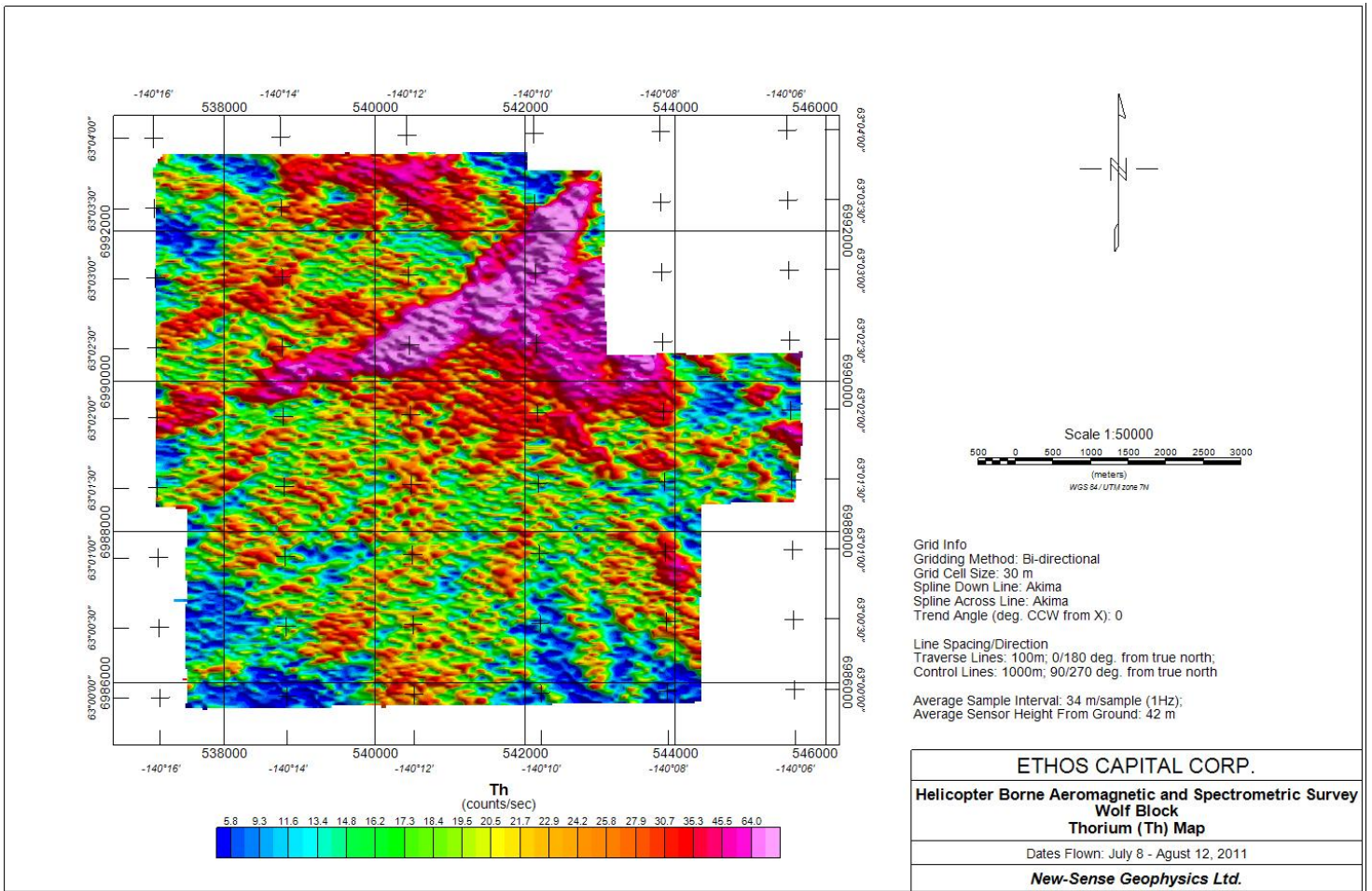
Wolf Block Image of VDV Map



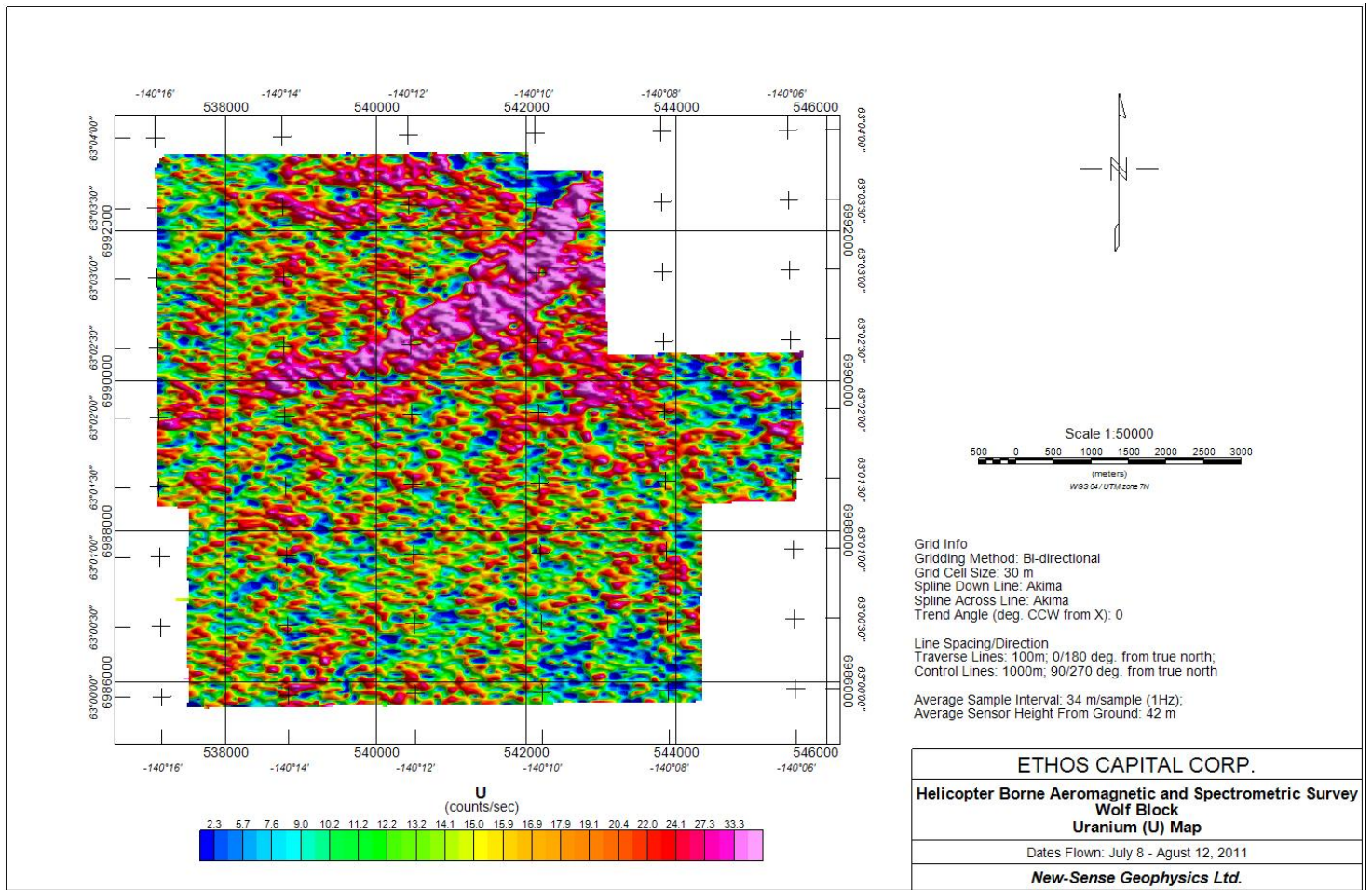
Wolf Block Image of Potassium Map



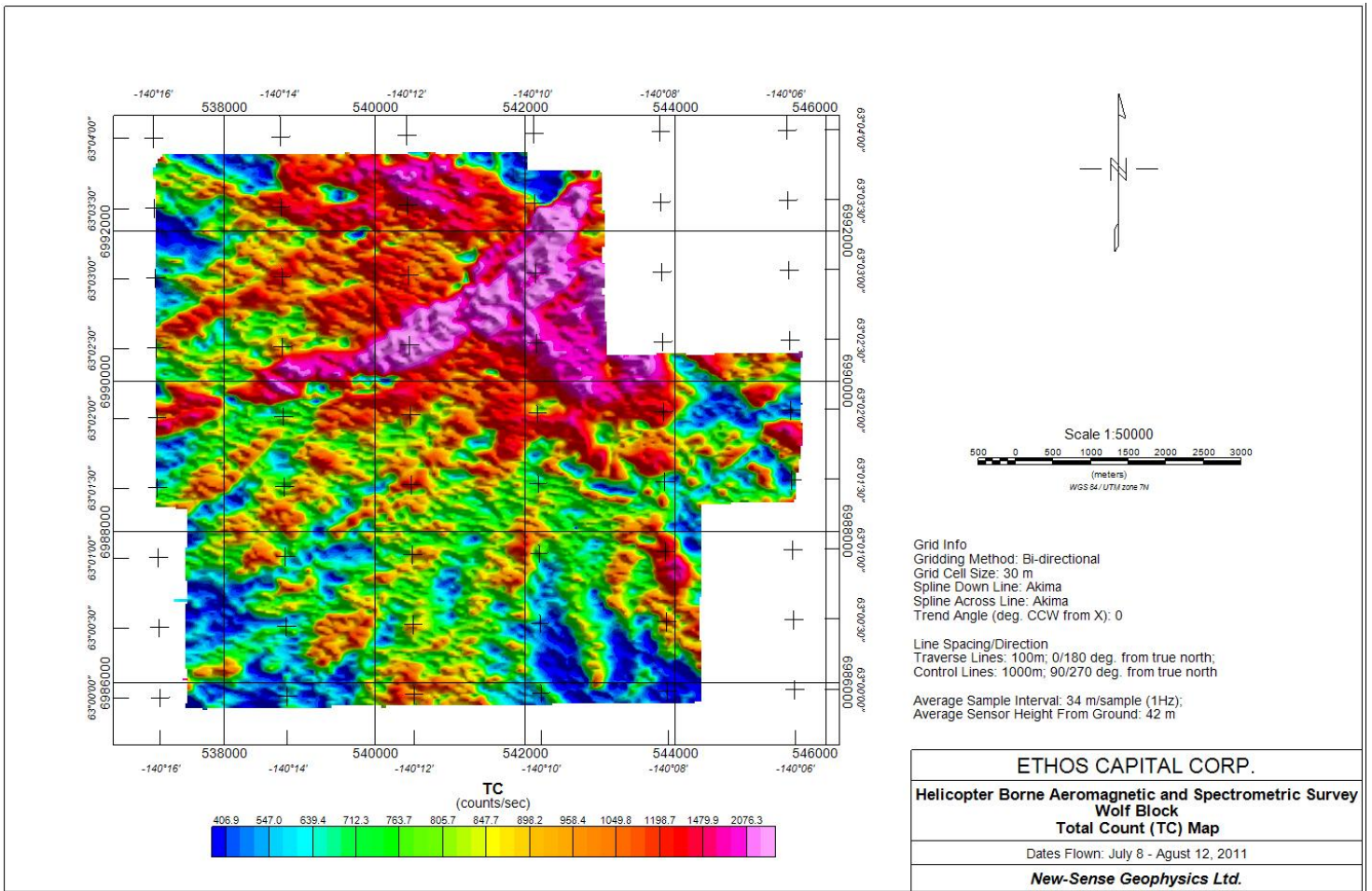
Wolf Block Image of Thorium Map



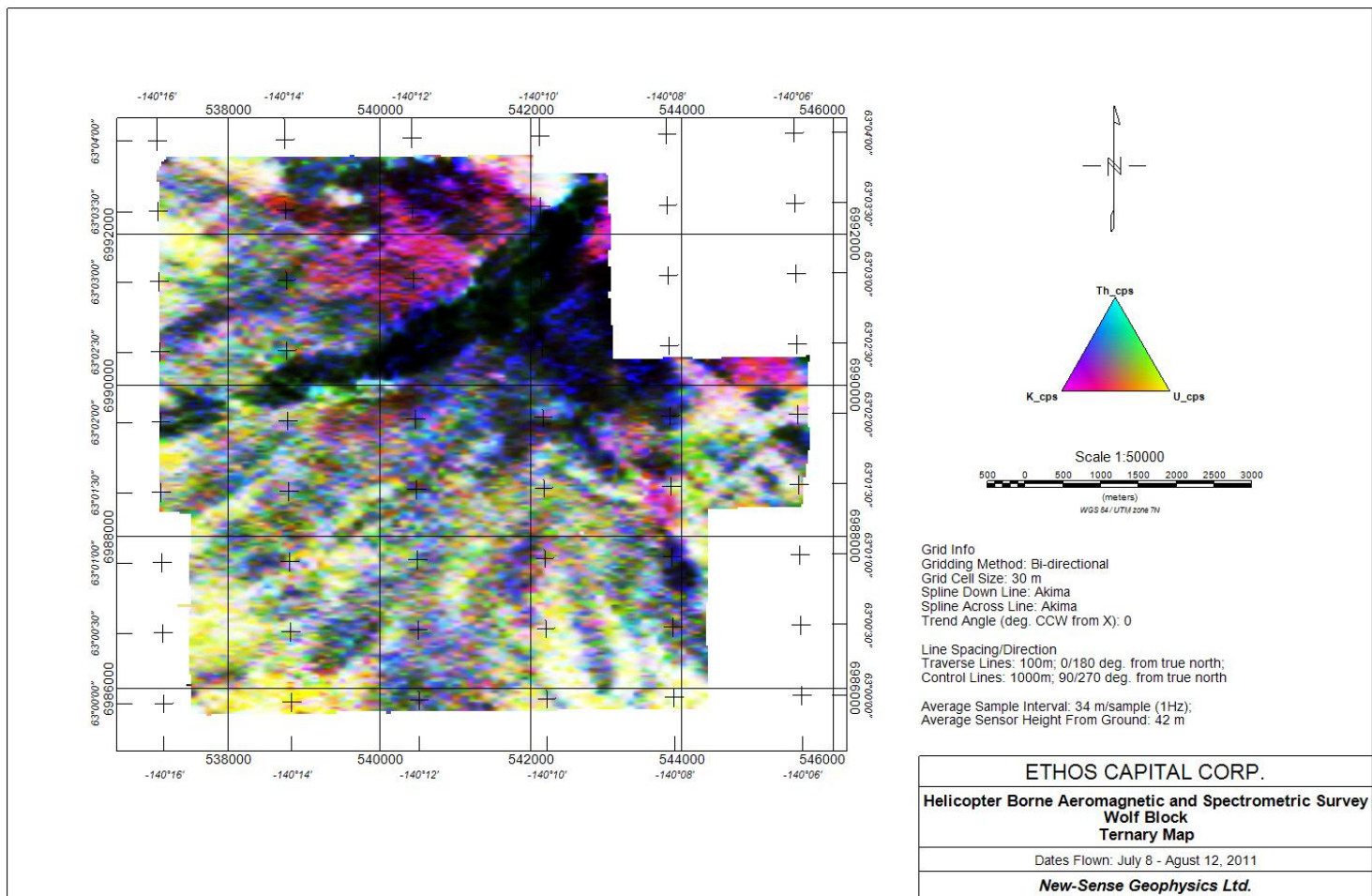
Wolf Block Image of Uranium Map



Wolf Block Image of Total Count Map



Wolf Block Image of Ternary Map



APPENDIX F: MICROLEVELLING DESCRIPTION

As per PGW Microlevelling GX help file available through Geosoft Oasis montaj 7.2

DECORR.GX Version 3.0
 Paterson, Grant & Watson Limited
 March 2003

PARAMETERS: (miclev group parameters are used, so that values set will be passed to MICLEV.GX)

miclev.Xchan = x channel (default "x")
 .Ychan = y channel (default "y")
 .Ochan = original data channel (no default)
 .Nchan = decorrugation noise channel (default "dcor_noise")
 .Space = flight line spacing
 .Dir = flight line direction in degrees azimuth (clockwise from North)
 .Cell = cell size to use for gridding (default = line spacing/5)
 .Wlen = decorrugation high-pass wavelength (default = 4 * line spacing)
 .Ogrid = original output grid, new or existing
 .Nnoise= decorrugation noise grid
 .XY = Xmin, Ymin, Xmax, Ymax (optional)
 .LOGOPT= Log option (optional)
 .LOGMIN= Log minimum (optional)
 .DSF = Low-pass desampling factor (optional)
 .BKD = Blanking distance (optional)
 .TOL = Tolerance (optional)
 .PASTOL= % pass tolerance (optional)
 .ITRMAX= Max. iterations (optional)
 .ICGR = Starting coarse grid (optional)
 .SRD = Starting search radius (optional)
 .TENS = Internal tension (0-1) (optional)
 .EDGCLP= Cells to extend beyond data (optional)

DESCRIPTION:

decorr.gx and miclev.gx implement a procedure called microlevelling which removes any low-amplitude component of flight line noise still remaining in airborne survey data after tie line levelling. Microlevelling calculates a correction channel and adds it to the profile database. This correction is subtracted from the original data to give a set of levelled profiles, from which a final levelled grid may then be generated. Microlevelling has the advantage over standard methods of decorrugation that it better distinguishes flight line noise from geological signal, and thus can remove the noise without causing a loss in resolution of the data.

To microlevel data, first run decorr.gx, then miclev.gx. decorr.gx offers two options for the grid of the channel to be microlevelled. If a grid prepared from this channel already exists, it may be specified, and when prompted to overwrite, the user should

answer no. If the user wishes to prepare a new grid of the channel to be microlevelled, the minimum curvature gridding algorithm (rangrid.gx) is applied. The advanced button provides access to the standard minimum curvature gridding parameters. Once the gridding is completed, decorr.gx applies a directional high-pass filter (see end note) perpendicular to the flight line direction, in order to produce a decorrugation noise grid. (The default grid cell size is 1/5 of the line spacing. The user may specify a different cell size if desired. A smaller cell size will give a more accurate result, but a larger cell size will make the gx run faster and use less disk space.) The noise grid is then extracted as a new channel in the database (default name is "dcor_noise"). This channel contains the line level drift component of the data, but it also contains some residual high-frequency components of the geological signal. miclev.gx applies amplitude limiting and low-pass filtering to the noise channel in order to remove this residual geological signal and leave only the component of line level drift, which is then subtracted from the original data to produce a levelled output channel named "miclev".

decorr.gx calculates default amplitude limit and filter length values for use in miclev.gx, but the skilled user may be able to set better values for these parameters based on an inspection of the noise grid. (The micro-levelling process is broken up into two separate GXes in order to allow the user to do this.) Flight line noise should appear in the decorrugation noise grid as long stripes in the flight-line direction, whereas geological anomalies should appear as small spots and cross-cutting lineaments, generally with a higher amplitude than the flight line noise, but with a shorter wavelength in the flight-line direction. The user can estimate the maximum amplitude of the flight line noise, and set the noise amplitude limit value accordingly. Similarly the user can estimate the minimum wavelength of the level drift along the flight lines, and set the low-pass Naudy filter width to half this wavelength. The defaults are to set the amplitude limit equal to the standard deviation of the noise grid, and to set the filter width equal to five times the flight line spacing.

There is an option of using either of two kinds of amplitude limiting. In "clip" mode any value outside the limit is set equal to the limit value. In "zero" mode any value outside the limit is set equal to zero. The clip mode makes more sense intuitively, but it has been found in practise that the zero mode may reject geologic signal better, depending on the particular data set. As a rule the zero mode works better on datasets in which the noise grid contains a lot of high-amplitude geological signals (e.g. shallow basement areas). For datasets in which the noise grid contains mainly flight line noise (e.g. sedimentary basins), the clip mode works better.

Microleveling applies a level correction to the traverse lines only. If it is desired to grid the tie lines together with the microlevelled traverse lines, then it may be necessary to also apply a level correction to the tie lines so that their values agree with the microlevelled traverse lines at the intersections. This may be done as follows:

- 1) Copy the tie line values to the microlevelled channel.
- 2) Use intersct.gx to find cross-difference values for the microlevelled data.
- 3) Use xlevel.gx to load these cross-difference values to the tie lines.

- 4) Apply fulllev.gx to the tie lines. The output will be a set of tie lines that matches the microlevelled traverse lines at all inter-sections.
- 5) Copy the microlevelled traverse line values into the same channel as the corrected tie line values.

Decorrugation Filter:

The decorrugation noise filter is a sixth-order high-pass Butterworth filter with a default cutoff wavelength of four times the flight line spacing, combined with a directional filter. The directional filter coefficient as a function of angle is $F=(\sin(a))^2$, where a is the angle between the direction of propagation of a wave and the flight line direction, i.e. $F=0$ for a wave travelling along the flight lines, and $F=1$ for a wave travelling perpendicular to them. (Note this is the exact opposite of what is usually called a decorrugation filter, since the intention here is to pass the noise only, rather than reject it.)

The default cutoff wavelength ($4 * \text{line spacing}$) gives good results if the data is already fairly well levelled to start with. In cases where many lines are badly mis-levelled, it may be necessary to set a longer cutoff wavelength, at the risk of removing more geological signal.

APPENDIX G: COPY OF THE CONTRACT

**CONTRACT
FOR
A HELICOPTERBORNE AEROMAGNETIC AND SPECTROMETRIC
SURVEY FOR ETHOS CAPITAL CORP. PROPERTY, SOUTH OF DAWSON
CITY, YUKON, CANADA.**

NEW-SENSE GEOPHYSICS LTD. ("NSG"), with its corporate offices at

195 Clayton Drive, Unit 11
Markham, ON, Canada
L3R 7P3

Telephone: (905) 480-1107/ (905) 480-9989
Fax: (905) 480-1207

Offers to carry out airborne geophysical services on behalf of

ETHOS CAPITAL CORP. ("Client"), with its offices at:

680 - 789 West Pender Street,
Vancouver, British Columbia, V6C 1H2
Tel: (604) 682-4750
Fax: (604) 682 4809

Email: peter@ethoscapitalcorp.com

Contact: Peter Tallman, Chief Operating Officer

in accordance with the following description, terms and conditions.

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1. COMPANY DESCRIPTION

New-Sense Geophysics (NSG) traces its history through its current founder and president Dr. W.E.S. (Ted) Urquhart. First as Urquhart-Dvorak, which specialized in processing airborne geophysical data, to High-Sense Geophysics, which became one of the largest airborne survey companies in the world, until it was purchased by Fugro of Holland in 2000, and then to Geoxplo Limitada., which specialized in airborne geophysical consulting and quality control. This sequence spans over 30 years and leads us to NSG, continuing on in the tradition of airborne survey innovation and quality airborne data acquisition.

NSG has established its HQ office in Markham, Ontario where it operates out of a new purpose-designed and constructed 3000 square foot facility. Here it designs and manufactures its own operator-less systems made ‘field-bullet-proof’ by engineer Glenn Slover.

The facility itself is more advanced than what may be found in leading high tech companies anywhere. It is completely wired for production with any processing station able to share information on the internal network and processors and field people in direct voice and data communication anywhere in the world. Highly secure firewall features prevent unauthorized access and fail-safe systems prevent any potential data loss through accident, intent or act of God. Clients with authorization can view the progress of their survey on a 24/7 basis.

The company has five data processing workstations with capacity to expand to twice that. A large inventory of systems and components provides for rapid remediation of field problems with the hardware should any occur. All this equipment is rigorously tested, using the built-in network and permanently installed sensors including GPS antenna signals available to each workbench.

The company works world-wide and presently has a second office of operation in Santiago Chile where equipment is maintained and processing takes place.

The company and its personnel through its many years in airborne surveying, airborne software and hardware development, and airborne survey data processing, has dealt with literally millions of kilometers of airborne data acquired in perhaps 80 countries. NSG itself has flown, processed and interpreted more than three quarters of a million line kilometers since 2005. These have been for multi-national companies (like Rio Tinto, Barrick, Teck, and BHP), to junior mining exploration companies, to governments. All have received their data on time and to their satisfaction. And in all of its history dating back 30 years, the companies owned and run by Dr. Urquhart, who developed the concept and practice of operatorless surveying, have not had a single accident ... a perfect safety record.

2. SURVEY AREA

A helicopter borne magnetic and spectrometric survey is to be carried out on the Client's project areas referred to as Betty/Bridget, Hen and Wolf blocks, located approximately 130 Km south of Dawson City, Yukon, Canada (see Table 2.1-2.3 and Figure 2.1 for the blocks' coordinates and their location on a map). The survey is to be flown from the Coffee creek camp located at 597,300E / 6,977,400N WGS84, UTM Zone 7N.

Table 2.1: Betty/Bridget block coordinates

UTM Zone 7N	
WGS84_X	WGS84_Y
604408	6987093
606017	6988076
606597	6987183
608563	6987317
609546	6985932
615129	6986021
615219	6985619
617854	6985574
617854	6984770
619284	6984770
619284	6983922
620669	6983922
620803	6983028
627727	6983207
629737	6982715
631613	6981822
633087	6980705
637286	6979142
638314	6980035
647248	6969895
645149	6968063
644881	6968331
643585	6967259
642200	6967214
641620	6966857
637644	6966812
636572	6965830

631792	6971056
629603	6969537
629558	6968153
630407	6968197
630541	6965472
631390	6965472
631390	6958995
624153	6958950
624108	6960871
620535	6960871
620490	6958146
614861	6958146
614906	6962613
616782	6962658
616738	6974049
615755	6973960
614906	6973334
613253	6973156
611690	6973558
609635	6974630
606061	6975211
605212	6976461
605302	6978114
603470	6981107
603470	6982447
604096	6982447
604051	6982715
604408	6982960
604408	6987093

Table 2.2: Hen block coordinates

UTM Zone 7N	
WGS84_X	WGS84_Y
572799	7031908
578237	7034044
578820	7032458
580341	7032425
581086	7030516
581506	7030516
582542	7028023
586782	7029642
587689	7027020
587656	7026114
589372	7021873
589890	7021938
589955	7018798
587074	7018863
587009	7019802
584225	7019834
583837	7020805
582995	7020773
581733	7023653
579305	7023686
577816	7027602
576942	7027635
576101	7029448
573803	7029318
572799	7031875

Table 2.3: Wolf block coordinates

UTM Zone 7N	
WGS84_X	WGS84_Y
536996	6992935
541991	6992998
542006	6992744
543005	6992744
543053	6990302
544813	6990286
545162	6989716
545162	6989367
545352	6989383
545622	6988939
545622	6988463
544274	6988431
544322	6985783
537519	6985704
537487	6988384
537043	6988399
537043	6992919

Note: the survey will be flown in WGS84, World, UTM Zone 7N.

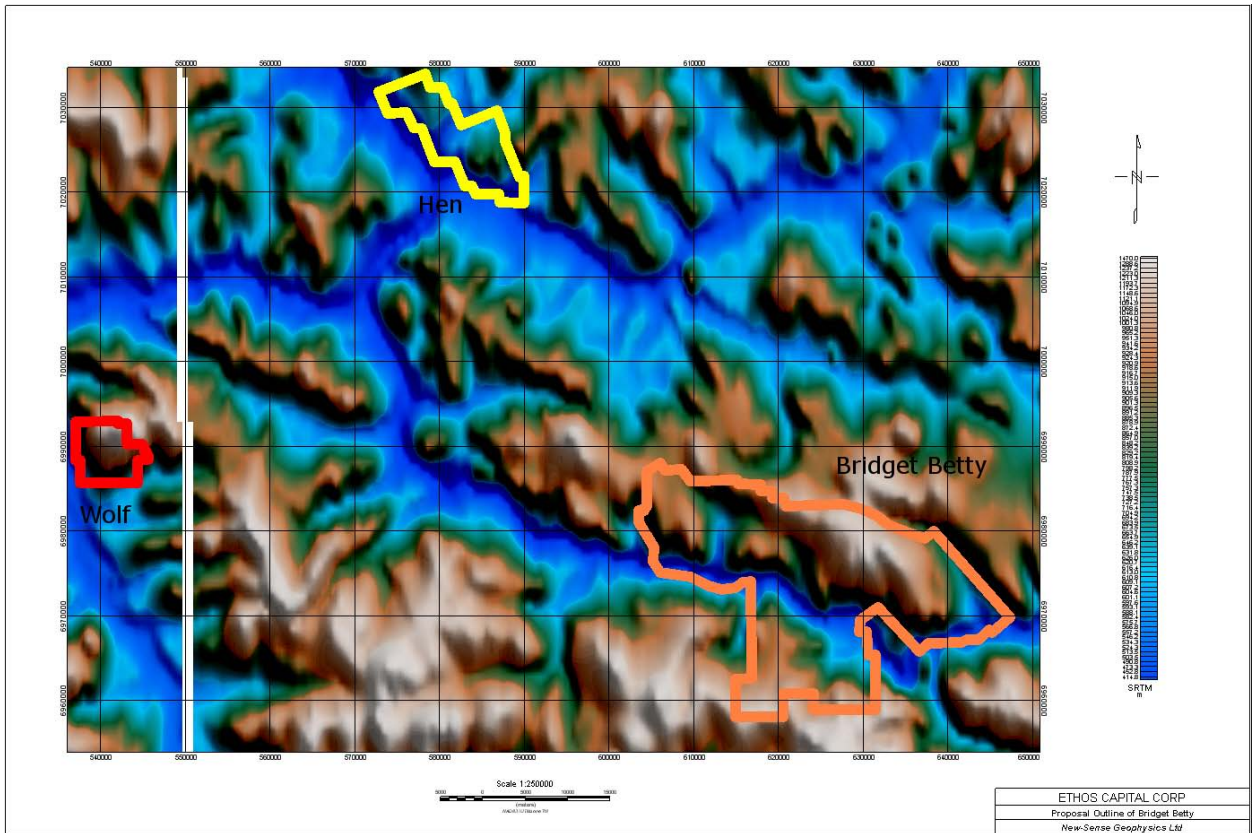


Figure 2.1 Location map showing Hen property (yellow), Wolf property (red), and Betty/Bridget (orange) depicted over Shuttle Radar Topography Mission (SRTM). Coordinate System: WGS84, World, UTM Zone 7N.

3. TECHNICAL SPECIFICATIONS FOR AIRBORNE SURVEY

3.1: Betty/Bridget block

Traverse Line Direction: N-S
Traverse Line Interval: 100m
Control Line Direction: E-W
Control Line Interval: 1000 m
Estimated Line KM: 6562 L/KM (Traverse)
656 L/KM (Control)
7218 L/KM (Total)

3.2: Hen block

Traverse Line Direction: N-S
Traverse Line Interval: 100m
Control Line Direction: E-W
Control Line Interval: 1000 m
Estimated Line KM: 1094 L/KM (Traverse)
113 L/KM (Control)
1207 L/KM (Total)

3.3: Wolf block

Traverse Line Direction: N-S
Traverse Line Interval: 100m
Control Line Direction: E-W
Control Line Interval: 1000 m
Estimated Line KM: 494 L/KM (Traverse)
54 L/KM (Control)
548 L/KM (Total)

Mean Terrain Clearance: 30m* nominal
Sampling Interval: Magnetics 50 Hz/10Hz; Radiometric 1 Hz second
Minimum Line Length: 3 Km

*Note: The 30 meter flight height will be subject to an on-sight safety audit. In any event, the flight height will be subject to pilot safety concerns.

Actual number of survey line kilometers will be those flown and delivered that fall inside the survey boundaries as listed above.

3.4 Tolerances

3.4.1 Traverse line separation

The pilot will fly to the best of his ability to stay within no more the 50% on either side of the theoretical flight path for a distance of 1000 meters unless obstructions or topography require greater deviations for reasons of safety.

There will be no crossing flight lines unless physical obstructions or topography require such deviation for reasons of safety. Such instances will be communicated and discussed with the client representative in writing.

However, if flight-line path deviations are the result of safety concerns, local aviation authority regulations, or military requirements, NSG will not be required to fly fill-in lines.

3.4.2 Control line spacing

Control lines will be surveyed at an average interval as specified, but may be located to avoid, where possible, areas of strong magnetic gradient.

3.4.3 Flight Height

The terrain clearance will be maintained at the planned altitude of 30 meters, subject to the safety requirements, local aviation authority regulations, and/or military requirements.

3.4.4 Missing or Substandard Data

Data will be recorded digitally in the aircraft and at the ground station. Isolated errors, spikes, and short non-sequential gaps consisting of a few points, will be corrected by interpolation.

3.4.5 GPS

GPS will be used for navigation.

3.4.6 Diurnal

Magnetic diurnal activity will be monitored at the base station. If the magnetic activity exceeds 20 nT per 2 minute period, a flight will not depart until the activity has returned to levels below this rate. Once a flight has started it will not be aborted due to diurnal activity.

3.4.7 Speed

The aircraft will maintain a constant airspeed during the survey, with the exceptions where wind direction and/or intensity, or topography will make it impossible to do, while keeping the aircraft safely on line.

3.4.8 Re-flights

Any flight lines or parts of flight lines with data outside the above tolerances will be considered for re-flights. All re-flown lines or portions of lines will be tied to the closest control lines at both ends.

4. PAST PERFORMANCE OR EXPERIENCE AND QUALIFICATIONS

4.1 Organizational experience

NSG provides high quality airborne magnetic/gradiometer and spectrometer surveys using fixed-wing and helicopter platforms. The company is owned and operated by W. E. S (Ted) Urquhart Ph.D. who was the founder and President of High-Sense Geophysics Limited that was sold to Fugro in 2000. After a five-year non-compete period, NSG was inaugurated to re-enter the airborne survey industry to carry on the tradition of providing innovative technologies focusing on collecting the highest quality airborne geophysical data in the safest possible manner.

NSG operates from two offices, one in Markham, Canada where its equipment is manufactured, tested and dispatched throughout the world; the other is in Santiago, Chile where NSG offers airborne geophysical services in Spanish to its South American clients.

NSG has performed airborne geophysical surveys in Africa, North America, Europe, the Middle East and South America. NSG has flown in excess of 700,000 line km in the last 3 years for clients such as major companies like: USGS, BHP Billiton, PG&E, Kennecott, Teck Cominco, Barrick Gold, Kinross, Gold Field, etc.

4.2 References of previous surveys

Dr. V. J. S. (Tien) Grauch, Scientist in charge, *U.S. Geological Survey*
Phone: +1 (303) 236-1393
Email: tien@usgs.gov

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Peter Mills, BHP Billiton Ltd.
Tel: + (976) 11 323033 x103
Email: peter.j.mills@bhpbilliton.com

4.3 Qualifications of the personnel and pilots

4.3.1 NSG representative

NSG conducts surveys with an operatorless system and as a result typically sends only one field geophysicist on the job site who possesses good knowledge in not only QC/QA, data processing but in the equipment maintenance as well. At this stage it is planned that NSG representative on the job site would be Mr. Sean Plener with Mr. Andrei Yakovenko being the general project manager under the oversight of Dr. William E. S. (Ted) Urquhart

Field:

Mr. Sean Plener is a detail oriented specialist with international and domestic survey and mapping experience and a background in Physical Geography and Earth and Atmospheric Science. Sean has been working with New-Sense since 2007 on both airborne FW and Helicopter total field magnetic and radiometric surveys in different parts of North America and South America.

Geophysicist:

Mr. Yakovenko, Andrei, has been responsible for fixed wing and helicopter airborne operations including permanent, contract, and air crew supervision, logistics, data QA/QC, data processing, and reporting.

He is a tri-lingual, solutions oriented specialist with international and domestic survey and mapping experience, with a background in geology, underwater, land-based archaeology, and geophysics. Currently a Masters candidate in geophysics at McMaster University, Andrei obtained his B.Sc. (Honors) from the University of Toronto. He is skilled in geophysical data processing using Oasis Montaj and coordinating multiple airborne projects. Andrei has authored multiple scientific publications.

Office supervision:

Dr. Urquhart has over 40 years of experience in geophysics, during which time he has been involved in field surveys, operations, management, data quality, safety, data enhancement, compilation and interpretation for various projects throughout the world. Ted was an owner and president of High-Sense Geophysics Ltd. (the third largest geophysical airborne survey company in the world). He has participated in projects as diverse as oil basin studies, mineral and diamond exploration and radioactive satellite fragment recovery. Academically, Ted has conducted research (M.Sc., Ph.D., and professionally) into the correlation of magnetic anomalies with geological factors on both a large and small scale.

5. NSG'S QUALITY CONTROL

During data acquisition, the system will be monitored by the field QA/QC personnel to ensure that the equipment is secure and unchanged. If equipment has been noted to shift or a mechanical part of the aircraft has changed, another FOM will be flown.

Base station and survey flight data is collected immediately after each flight and duplicate copies made. Field staff verify completeness of flown lines, note and log any deviations from the flight path, identify (manual & 4th difference algorithm) and remove noise spikes (note: raw data is maintained), magnetic compensated channels created, daily progress report updated and posted for client, complete data set sent to NSG.

The iNAV V3 system, used for both flight and base station systems, store real time data on two independent storage media (hard disk, and a flash memory device). In the event that one of the devices fails or data were corrupted, a backup remains intact.

Post field production is done on a day-by-day basis. After the field data QA/QC process described in sections 7.4.1 and section 7.4.2, the data is sent to NSG's secure FTP. The post field QA/QC and leveling will be done by either Andrei Yakovenko or Dr. Ted Urquhart. The field staff is in contact with the in-house processor every evening to ensure data was received and to discuss previous flights. If there is an issue, the field staff can be reached by cell or satellite phone to make the necessary corrections before production continues. This immediate processing of the data to pre-final stages, benefits the client in three very important ways: First, there are multiple levels of personnel monitoring the survey data in a short period. If something is missed by the field staff, it will be caught by our in-house personnel before the survey progresses much further; second, we can update the client with current pre-final maps so areas of interest can be discussed and in-fills or re-flights can be planned before the survey lines are completed, thereby minimizing standby days; finally, the pre-final maps are ready the day after flying is completed and can be submitted for the clients approval.

The final products will be prepared as to the contract's obligations, section 8, and with Client's consent on all the data processing steps and procedures. A first version of the final products will be delivered to Client or other client representative for a review and approval.

For additional Data Processing and QA/QC information refer to the following sections regarding:

- Procedures including measures for aircraft's aeromagnetic system calibration (refer to sections 7.2.)
- Inflight data acquisition (sections 7.1 (except 7.1.4, 7.1.9, 7.1.10), 7.2, and 7.3)
- Flight path location (section 7.1.7)

- Ground magnetometer data acquisition (section 7.1.4)
- Data processing and map preparation (sections 7.4 and 8)

6. EQUIPMENT SUITABILITY AND CONTINGENCY PLAN

6.1 Availability and quality of proposed data acquisition and processing equipment

Aircraft:

A Bell 206BIII or similar helicopter provided by Northern Air Support based in Kelowna, British Columbia will be used.



The aircraft with its field crew will operate from Coffee creek camp and be using certified fuel drums for refueling at the camp site and optional designated fuel cash closer to the survey area.

The Jet fuel for the survey and its positioning will provided by the client.

The aircraft will be limited to VFR flying conditions. All other conditions will be left to the discretion of the pilot in command.

Data Acquisition:

NSG builds and maintains its own proprietary data acquisition systems known as iDAS. The iDAS system features the KroumVS Instruments KMAG4 magnetometer counter and the KANA8 analog to digital converter. The systems are built with a wide range voltage input (9V to 36V) to accommodate a variety of aircraft power supplies.

The iDAS system uses sophisticated software to provide an autonomous "Operatorless" system resulting in a SAFER survey environments by removing the need for an operator on board the aircraft.



The systems will be available within two weeks of the signing of the contract.

For the data processing NSG is using Geosoft Oasis montaj with a number of build in GX scripts.

6.2 Electronic navigation

Pilot Friendly Navigation display (PI) delivers all the navigation and control features necessary for the pilot to safely maintain the highest quality flight line specifications without additional safety risk of having an operator on board the aircraft (see also section 7.1.7).

6.3 Safety Plan

Safety is the number one priority at NSG. NSG is an active member of the International Airborne Geophysics Safety Association (IAGSA)

Prior to mobilizing to the job site, IAGSA Risk Analysis and NSG Job Safety Plan will be prepared in the Markham office. There are areas of the report that require a physical

presence on the job site (i.e. reconnaissance flight, identifying local hazards, etc.). At the job site, before each departure, the pilot will contact the local air traffic controller.

Prior to flying the first production line, a safety meeting is held by a NSG representative where each of the reports is explained to all members of the survey crew. A reconnaissance flight will then take place and the IAGSA Risk Analysis and NSG Job Safety Plan will be completed.

Every Sunday, a weekly safety meeting takes place where any and all the safety concerns and issues during the past week are brought to attention and logged to a weekly safety report.

Pilot safety is enhanced by the use of a flight following system that provides updates at 2-minute intervals on the GPS location of the aircraft. This information is monitored in real time on the internet by authorized personnel. In case of an emergency the pilot could press a “Panic Button” connected to the Flight Following and the signal will be transmitted at around 10 sec. intervals or less, which would drastically reduce the search area in a case of emergency landing.

The client will be provided with a login for real time monitoring of aircraft activities through this Flight Following System.

In addition, the Flight Following has an integrated satellite phone that is connected directly to the pilot’s headset. This minimizes any distraction to the pilot when sending or answering a call.

Prior to the flight’s departure, a NSG representative records all the information regarding the aircraft status, such as time of departure, endurance, fuel level, etc.

Once in the air, NSG representative monitors the aircraft at least once every half hour. In case of internet problems, a call will be given right away to the satellite phone integrated to the pilot’s headset and once every hour.

If the flight following signal is lost and the pilot cannot be reached by satellite phone, then NSG’s emergency response procedure is initiated (detailed in the NSG Job Safety Plan).

The aviation company will adhere to all the standards and requirements for local approved air operators.

In summary:

- NSG is active members of International Airborne Geophysics Safety association (IAGSA)

- On each job NSG completes both IAGSA Risk Analysis and NSGs Job Safety Plan forms.
- NSG conducts daily safety meetings with the crew before any flying takes place.
- A Flight Following system will accompany NSG iDAS system that provides updates on every 2 minute intervals, which could be monitored through internet access.
- In addition, the Flight Following has an integrated satellite phone that is connected directly to pilot's headset. Thus minimizing any distraction if pilot decides to send or receive a call.
- The client will be provided with a login for real time monitoring of the helicopter activities through the flight following system.

6.4 Safety Record

No accidents or near accidents have ever occurred at NSG. Since its inception, the company has flown over 45 magnetic and/or radiometric surveys totaling well over half a million line kilometers without an accident.

In addition, High-Sense Geophysics formed in 1993, owned by NSG president Dr. Ted Urquhart, also had an accident-free history. High-Sense rose to become one of the world's largest airborne survey contractors and had met and exceeded the rigorous safety standards of BHP, Shell, and Phillips, among others. It had performed surveys without incident or accident in difficult areas including Vietnam, China, Mongolia, Mauritania, Democratic Republic of the Congo, Brazil, and Sudan.

7. TECHNICAL APPROACH

7.1 AIRBORNE AND GROUND INSTRUMENTATION

7.1.1 Aircraft Type

The aircraft allocated to conduct this survey is a JetRanger 206BIII helicopter (or different see Section 6.1) with a fix mount stinger assembly with a Cesium magnetometer mounted in it.

7.1.2 Geophysical Flight Control System

A geophysical flight control system, designed and built by NSG will be provided. This system will control, monitor and record the operation of all the geophysical and ancillary sensors.

7.1.3 Airborne Magnetometer



The magnetometers will be cesium sensors, operated in strap down tail stinger mount. The orientation of the sensor is adjustable, to provide optimum coupling with the earth's field on reciprocal headings. The magnetometer has a sensitivity of better than 0.01 nT at a sampling interval of 0.1 s. The magnetometer has the capability to measure ambient magnetic fields in the range of about 100 to more than 100,000 nT.

The airborne magnetometer is supplemented with an 18-term digital compensation system that uses the input from a 3-axis fluxgate to determine the aircraft's attitude and rate of change with respect to the earth's magnetic field. The compensation system identifies the permanent, induced and eddy current magnetic

contributions of the aircraft and provides a correction to be applied to the raw magnetic data to remove the maneuver noise.

A FOM will be calculated by summing the absolute errors of each of the 12 maneuvers and will be less than 3 nT.

7.1.4 Ground Magnetometer



Scintrex Cesium CS3 or GSM19 Proton magnetometers will be operated at the base of operations within or near the survey area in an area of low magnetic gradient and free from cultural noise. The sensitivity of the ground magnetometer will be equal to better than 0.1 nT. Data will be recorded continuously every 1 second (or a rate defined by the client) throughout the survey operations in digital form. Both the ground and airborne magnetic readings are automatically time stamped with GPS time to within 0.005 seconds ensuring a very high degree of correlation based on broadcast GPS satellite time.

7.1.5 Radar Altimeter



A Terra 3500 radar altimeter will be operated in the aircraft throughout the survey to provide ground clearance information. The altitude will be recorded every 0.1 second or better. This instrument has a linear performance over the range of 0 to 2500 feet.

7.1.6 Fluxgate Magnetometer



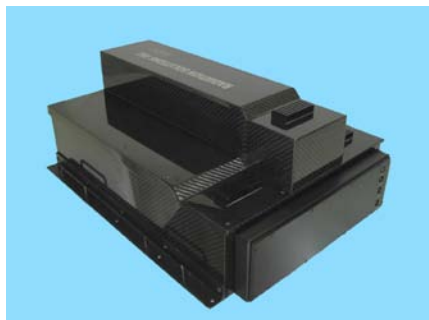
To achieve quality compensation NSG uses a Bartington Mag-03 Three Axis Magnetic Field Sensors. These compact, high performance fluxgate magnetometers with integral electronics provide reliable precision measurements of static and non-static magnetic fields in three orthogonal axes. The magnetometer is mounted inside the stinger assembly.

7.1.7 GPS Navigation

A 16-channel GPS navigation system will be used for navigation and flight path recovery. The Ublox RCB-LJ GPS receiver board is powered by the ANTARIS® positioning engine.

The leading ANTARIS® GPS Engine provides excellent navigation performance under dynamic conditions in areas with limited sky view like urban canyons, high sensitivity for weak signal operation without compromising accuracy, and support of DGPS and multiple SBAS systems like WAAS and EGNOS. The 16 parallel channels and 8192 search bins provide fast start-up times. The aiding functionality accelerates start-up times even further. The low power consumption and FixNow™ power saving mode make this product suitable for handheld and battery-operated devices.

7.1.8 Spectrometer



The RS-500 Airborne Spectrometer with RSX-5 detector pack, manufactured by Radiation Solutions Inc. (RSI), will be used for the survey. The RS-500

spectrometer has a multi-peak gain stabilization algorithm and is capable of recording 1024 channels with accuracy of 0.1 to 10 counts/second.

The RS-500 is connected to a crystal pack comprising four downward looking crystals (16 liters total) and one upward looking crystal (4 liters total). The downward crystals record the radiometric spectrum from 410 KeV to 2810 KeV over 1024 discrete energy windows, as well as from a cosmic ray channel that detects photons with energy levels above 3.0 MeV. From these 1024 channels, the standard Total Count, Potassium, Uranium and Thorium channels are extracted. The upward crystal is used to measure and correct for atmospheric Radon interference. The shock-protected Sodium Iodide (Thallium) crystal package is unheated and automatically stabilizes with respect to the multiple peaks. The RS-500 provides raw data that has been automatically corrected for gain, base level, ADC offset, and dead time.

A resolution test will be performed before the first and after the last flight each day in order to monitor sensitivity and resolution of the crystal pack.

7.1.9 Field Data Verification System

NSG will provide a complete PC based magnetic map compilation facility, to serve as a field verification system. The PC computer based system is equipped with all the software necessary to produce preliminary data images in the field. Data will be provided to the client in a Geosoft format.

The digital data records will be verified at the project site to confirm that data recording has taken place within specifications. All raw digital data recorded in flight and on the ground station magnetometer will be duplicated on site to prevent loss, and stored in separate locations.

In the base where there is e-mail connection, data will be sent on a daily basis for further examination in the head office where areas of infill will be chosen.

7.1.10 Flight Following System

NSG places the highest priority on safety and uses satellite tracking and communication technology to monitor all its survey flights. The aircraft will be equipped with Latitude Technologies Skynode S200, a system that includes satellite phone, flight tracking, and messaging transceiver. This system uses the Iridium satellite network, which provides both voice and data communications between the aircraft and ground stations.

The S200 system can be set up for different time frames; it now automatically updates its position at least once every 2 minutes allowing NSG's field or office staff to monitor the progress of the survey flights. All flight staff are trained in the use and the operation of the S200 system.

During the survey, if the pilot experiences any problems with operation of the survey equipment or encounters any other difficulties, he/she can call the field or office staff for support through the satellite phone, which is integrated into the pilots head set. In the event of flight operations problems, field staff can often troubleshoot and correct difficulties allowing survey flights to continue uninterrupted.

In the event of an emergency the pilot may press the "Panic Button" which will cause the system to immediately transmit the location and heading of the aircraft and will continue to transmit the current position of the aircraft continuously at around 10 sec. intervals until the emergency system is turned off.

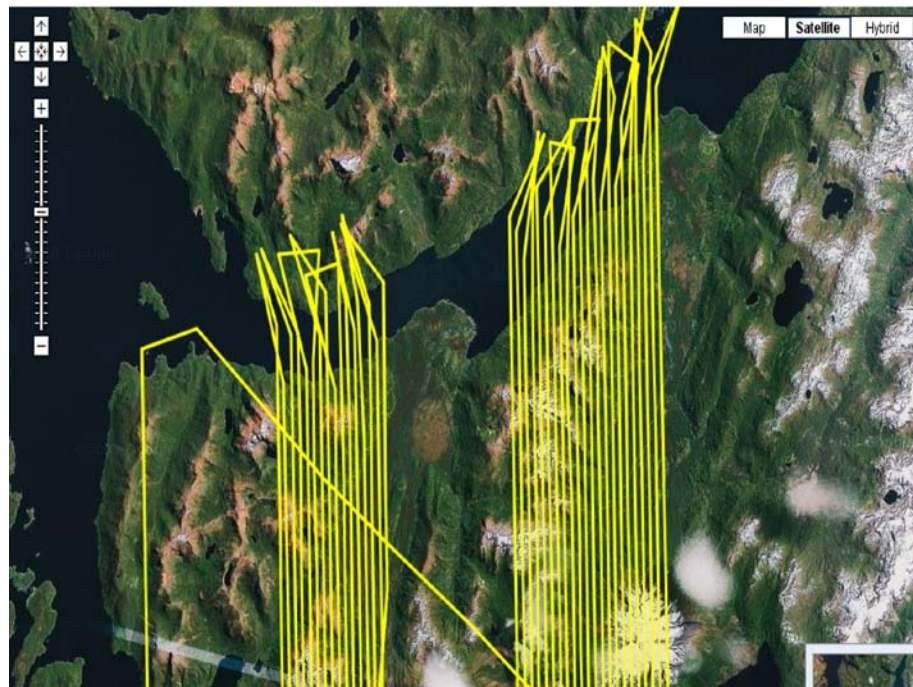


Figure 7.2 Screenshot of Flight Following Through Internet Web Browser

7.2 INSTRUMENT CHECKS AND CALIBRATIONS

Failure to meet the specifications in any check or calibration test will be cause for corrective action by NSG or approval of the Client before survey operations can be undertaken.

7.2.1 Magnetometer

Figure of Merit (FOM)

A test will be flown on-site prior to the survey to determine the FOM of the installed magnetometer. The system will be flown on the four cardinal headings doing a pitch, roll, and yaw, maneuver on each. The FOM will be calculated by summing the absolute errors of each of the 12 maneuvers and will be less than 3 nT.

7.2.2 Altimeter

Checks of the radar altimeter calibration will be undertaken above the base airstrip or some other suitable location with known elevation and flat terrain.

7.2.3 Radiometric

7.2.3.1 Pre-survey Spectrometer Calibrations and Tests

Calibration of the spectrometer system is a vital process to airborne radiometrics or airborne gamma-ray spectrometry. The calibration of the spectrometer system involved three tests:

- Calibration Pad measurements, which are used to determine the “spectral overlap” (Compton scattering) coefficients. The calibration test is performed within a 12 month period before and/or during the survey by the manufacturer, Radiation Solutions Inc., at its headquarters location in Mississauga, Ontario.
- Cosmic Flight Test, which is used to determine the aircraft background values and cosmic coefficients. A series of high altitude test lines (e.g., 8,000 ft, 9,000, ft, 10,000 ft, and 11,000ft (if capable) above sea level) will be flown in the vicinity of the survey areas.
- Height Attenuation Test, which determines the altitude attenuation coefficients. A series of test lines (e.g., 50 ft, 100, ft, 150 ft, 200, ft, 250 ft, 300 ft, 400, 600 ft, 800 ft, and 1000 ft above ground) over dry and flat ground, will be flown in the vicinity of the survey areas.

7.2.3.2 During-Survey Spectrometer Calibrations and Tests

7.2.3.2.1 Radon Correction Test Line

The determination of calibration constants that enable the stripping of the effects of atmospheric radon from the downward-looking detectors through the use of an upward looking detector is divided into two parts:

1) Determining the relationship between the upward and downward looking detector count rates for radiation originating from the ground.

2) Determining the relationship between the upward and downward looking detector count rates for radiation due to atmospheric radon.

The procedures to determine these calibration factors are documented in IAEA Report #323 on airborne gamma-ray surveying. The calibrations for the first part will be determined as outlined in the report.

The latter case normally requires many over-water measurements where there are little to no contributions from the ground. Where this is not possible, it is standard procedure to establish a test line/spot over which a series of repeat measurements are acquired.

A test area will be established over a flat ground near the base of operation. Each day when flying takes place the aircraft will hover over the test area for 5 min in order to collect data that later could be used to estimate atmospheric radon fluctuations.

7.2.3.2.2 Resolution Daily Tests

The usual measure of the energy-resolution of a spectrometer system uses the “full width at half maximum (FWHM)” of a photo-peak. This is the width of the peak at half the maximum amplitude divided by the energy of the photo-peak.

The overall system resolution based on the Th photo-peak at 2.61 MeV should always be better than 7% on all downward looking

crystals. If the resolution changes by more than 1% (eg, 4% to more than 5%) from that measured at the start of the survey, flying operations will be ceased until the source of the problem is found and rectified.

This test is not required with the RS-500 system and will only be performed at the Clients request and upon availability of Th source material.

7.3 DATA RECORDS

7.3.1 Digital Records

The airborne data acquisition system will record the following information digitally in a format that enables the recording of each variable over its full dynamic range:

- Fiducial count
- GPS UTC time
- GPS latitude, longitude, UTM easting, northing and elevation above ellipsoid
- Raw magnetic total field
- Calibrated radar altimeter output
- Three Fluxgate channels
- Raw Potassium counts
- Raw Thorium counts
- Raw Uranium counts
- Raw upward-looking Uranium counts
- Raw Total Count
- Raw Cosmic counts
- Live Time
- Downward Spectrum

The base station will record the following information digitally in a format that enables the recording of each variable over its full dynamic range.

- GPS time (used as fiducial number)
- GPS raw satellite range information
- Raw magnetic total field

All survey parameters including raw magnetic total field, electronic positioning, radar altimeter, and time and fiducial markers will be recorded digitally during

data acquisition in flight. The magnetic base station will record total magnetic field and GPS time.

The data acquisition system organizes the data in a form directly suited to building the processing database. This digital file structure has for each traverse and control line a unique line number and segment number. The base station magnetic profile and GPS coordinates are added to the database using GPS time for alignment.

7.4 DATA COMPILATION AND MAP PRESENTATIONS

The NSG Field-Mapper PC based computer compilation system will be used to process the collected geophysical data on-site as the survey progresses. The 'on-site' processing will enable the Client to review the magnetic data to evaluate targets to make a qualified decision regarding any changes to the survey quantity and size. This will allow the selection of “in-fill” or area extensions. The preliminary data will be sent via FTP site (assuming reasonable speed internet connection is available) for the client’s review at least once a week (more often should the client require).

7.4.1 Magnetic

7.4.1.1 Field Data Processing

After collecting flight and base station data, flight data will be imported to Oasis montaj using a NSG template that includes all project data channels. Next flight data will be windowed to only include flight path data within the survey block using custom NSG script that will be developed for the Woodjam survey area.

Magnetic flight data from the tail will then be duplicated to ensure original raw data is not modified in any way. Profiles for the duplicated channels are then checked for visible noise spikes. Any noise spikes are then cleaned manually and interpolated. From there, field staff will run an automated script that will look for any missed noise spikes. This automated script employs a 4th difference algorithm to identify noise spikes in magnetic data. After other channels (radio altimeter, flux gate profiles etc.) are inspected for normal behavior that database is prepared for magnetic compensation. Using QC Tools, compensation coefficients are applied to the cleaned magnetometer channel and the database is saved.

From here, NSG staff will import base station data into Oasis montaj using a NSG template. Base station data is duplicated to maintain a raw channel and then checked for visible noise spikes. After noise spikes have been removed and interpolated, a 101 (or other job specific) low pass filter is applied to base station magnetic channel and the database is saved.

Next, the flight and base station databases are merged, synchronized (using the GPS clock channel recorded by both systems), compressed, encrypted and sent to NSG's secure server in Toronto, for in-office QA/QC and processing procedure.

NSG field staff from there will updated and complete all daily logs (weekly progress report, daily procedures checklist, weekly summary meeting etc.).

7.4.1.2 Post-Field

As the data being received from the field on day-to-day basis it is reviewed for QA/QC once again to insure that nothing got missed in the field. The data is checked for quality of magnetic signal from all sensors, including the base station magnetometer, fluxgate magnetometer, radar altimeter, line deviations etc. The profiles of the above data are plotted and checked on line-by-line basis. Algorithms like 4th-difference are used to check the CS3 signal.

After the data has been QA/QC checked it is merged with an ongoing master database. Where the following data processing steps take place:

- 1) Diurnal correction - subtracted directly from the aeromagnetic measurements to provide a first order diurnal correction. The mean of base station readings is added back to the data.
- 2) Heading error correction - using pre-constructed heading table.
- 3) Lag correction – to correct for sensor-to-GPS offset.
- 4) Simple Leveling - a survey line/control line network will be created in order to determine differences in magnetic field at the line intercepts. The differences will be calculated and tabulated, then used to guide subsequent manual leveling on any lines or line segments which required adjustments. See image below for an example of contour Total Magnetic Intensity (TMI) map produced after Simple Leveling was applied.
- 5) Microleveling – depending on the Simple Leveling results a Microleveling might be needed in order to further correct the data for linear line-to-line noise. The technique used will be the one developed by Paterson, Grant &

Watson Limited and available through Geosoft Oasis montaj with the mutually accepted parameters.

- 6) IGRF correction - The total field strength of the International Geomagnetic Reference Field (IGRF) 2005 model will be calculated for every data point, based on the spot values of latitude, longitude and GPS altitude, using the 2005 model. This IGRF will be removed from the measured survey data on a point-by-point basis. The mean of IGRF readings is added back to the data.

7.4.1.3 Magnetic data filtering and gridding

A small (e.g., 7-11 Low Pass or 11-21 points cosine at 10Hz data) filter may be applied on the raw data to smooth out some small high frequency noise.

The TMI grid will be produced using bi-directional gridding technique, with 20 m cell size (or other suitable size depending on liner spacing) and Akima spline across and down lines.

7.4.2 Radiometric

7.4.2.1 Field Data Processing

After collecting flight data, the radiometric data will be imported to Oasis montaj using a NSG template that includes all project data channels. Next flight data will be windowed to only include flight path data within the survey block. After, an in house-developed radiometric processing GX will be run on the database, which will apply the following corrections:

7.4.2.1.1 Pre-filtering

The cosmic and radar altimeter channels will be processed with a 10-20 point and 5 point low pass filter respectively to remove spikes.

7.4.2.1.2 Live Time correction

All the elements including upward looking Uranium and Total Count will be corrected for Live Time using the following formula:

$$Cl_t = C_{raw} \times (1000/LT)$$

Where:

- Cl_t is the live time corrected channel
- C_{raw} is the raw channel
- LT is the Live Time channel

7.4.2.1.3 Aircraft and Cosmic Background

Aircraft background and cosmic stripping corrections will be applied to the Total Count, Potassium, Uranium, Thorium and upward Uranium channels using the following formula:

$$C_{ac} = Cl_t - (ac + bc \times Cosf)$$

Where:

- C_{ac} is the background and cosmic corrected channel
- Cl_t is the live time corrected channel
- ac is the aircraft background for this channel
- bc is the cosmic stripping coefficient for this channel
- $Cosf$ is the filtered cosmic channel

All negative counts after this correction step will be replaced with zeroes.

7.4.2.1.4 Radon Correction

Note: no radon corrections will be applied during the survey. The following is the radon correction description that will be applied after the survey is completed. Until then the various radon coefficients and constants will simply be replaced with 0.

The background and cosmic corrected Thorium, Uranium and upward Uranium data for each line will be smoothed with Hanning filter to produce Th_f , U_f , and u_f respectively. The radon component in the downward uranium window will then be determined using the following formula:

$$Ur = (uf - a1 \times Uf - a2 \times Thf + a2 \times bth - bu) / (au - a1 - a2 \times ath)$$

Where:

- Ur is the radon component in the downward uranium window
- uf is the filtered upward uranium
- Uf is the filtered uranium
- Thf is the filtered thorium
- a1, a2, au and ath are proportionality factors and
- bu and bth are background constants

The effects of radon in the downward uranium are removed by directly subtracting Ur from Uac. The effects of radon in the Total Count, Potassium, Thorium and upward Uranium are then removed based upon previously established relationships with Ur. The corrections are applied using the following formula:

$$Crc = Cac - (ac \times Ur + bc)$$

Where:

- Crc is the radon corrected channel
- Cac is the background and cosmic corrected channel
- Ur is the radon component in the downward uranium window
- ac is the proportionality factor and
- bc is the background constant for this channel

All negative counts after this correction step will be replaced with zeroes.

7.4.2.1.5 Compton Stripping

Following the radon corrections for Uranium and Total Count, the potassium, uranium and thorium will be corrected for spectral overlap. First the stripping ratios α , β , and λ were modified according to altitude. Then an adjustment factor based on the reversed stripping ratio (a), uranium into thorium, was calculated.

$$ah = \alpha + hef \times 0.00049$$

$$\beta h = \beta + hef \times 0.00065$$

$$\chi h = \chi + hef \times 0.00069$$

Where:

- α, β, χ are the Compton stripping coefficients
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- hef is the height above ground in meters

The stripping corrections are then carried out using the following formulas:

$$ar = \frac{1}{1 - a\alpha h}$$

$$Th_c = (Th_{bc} - aU_{rc}) \times ar$$

$$U_c = (U_{rc} - Th_{bc}\alpha h) \times ar$$

$$K_c = K_{bc} - \beta h Th_c - \chi h U_c$$

Where:

- $U_c, Th_c,$ and K_c are corrected Uranium, Thorium and Potassium
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- $U_{bc}, Th_{bc},$ and K_{bc} are background and cosmic corrected Uranium, Thorium and Potassium
- ar is the backscatter correction
- a is the reverse stripping ratio U into Th

All negative counts after this correction step will be replaced with zeroes.

7.4.2.1.6 Attenuation Corrections

The Total Count, Potassium, Uranium and Thorium data will then be corrected to a nominal survey altitude according to the equation:

$$Ca = C \times e^{-\mu(h_0-h)}$$

Where:

- Ca is the output altitude corrected channel
- C is the input channel
- μ is the attenuation correction for that channel
- h is the radar altimeter height, in metres
- $h0$ is the nominal survey altitude used as datum

All negative counts after this correction step will be replaced with zeroes.

7.4.1.3 Office Data Processing

All of the above calibration procedures, tests and corrections applied in the field will be reviewed for QA/QC by assigned office QA/QC and data processing person.

7.4.1.4 Radiometric grids

Grids of Potassium, Thorium, Uranium and Total Count will be produced using bi-directional gridding technique, with 20 m cell size (or other suitable size) and Akima spline across and down lines.

8. FINAL PRODUCTS

The following is the list of items that will be delivered to the Client:

Hard copies (2 copies):

- Ternary map of Th, U and K (1:50,000 scale)
- Map of Potassium (1:50,000 scale)
- Map of Thorium (1:50,000 scale)
- Map of Uranium (1:50,000 scale)
- Map of Total Count (1:50,000 scale)
- Map of Total magnetic Intensity (1:50,000 scale)
- Final Logistics Report

Soft copies (2 copies):

- Ternary map of Th, U and K at 1:50,000 scale
- Grid and map of Total Magnetic Intensity at 1:50,000 scale
- Grid and map of Potassium counts at 1:50,000 scale
- Grid and map of Thorium counts at 1:50,000 scale
- Grid and map of Uranium counts at 1:50,000 scale
- Grid and map of Total Count at 1:50,000 scale
- Final Logistics Report
- Radiometric data database in Geosoft gdb format including all raw data and height corrected Potassium, Thorium, Uranium, and Total Count
- Magnetics data database in Geosoft gdb format including raw data, base station, compensated, base station corrected, IGRF corrected, heading corrected, lag corrected, simple leveled, and microleveled (optional) total field.
- Database and channel descriptions file in Excel format
- Weekly and Line Progress report

9. TIME SCHEDULE

The project is scheduled to start at the end of June or beginning of July 2011. In any event, NSG will require 2 to 3 weeks after the signing of the contract in order to make equipment and staff available and insure successful permitting.

10. TERMINATION

In the event that the geophysical platform or equipment becomes inoperable, NSG will proceed with diligence to rectify the problem within a reasonable period of time. If within the aforementioned period of time NSG fails to rectify the problem, the Client may, at their discretion, terminate the work under this Proposal in full or in part. In the event of such termination, the Client shall be obliged to pay NSG for services rendered only up to the date of receipt of a written notice of such termination and for documented expenses incurred by NSG prior to the date of receipt of termination notice, and for reasonable cancellation and demobilization costs.

11. LOCAL LICENSES, PERMITS AND CUSTOMS

Client will take the responsibility for obtaining all local licenses and permits required to perform the services. Out of pocket costs for permitting will be reimbursed by the client.

12. CHARGES

Betty/Bridget Block: Survey and Map Production*	CAD \$49.78 L/KM
Hen Block: Survey and Map Production*	CAD \$67.42 L/KM
Wolf Block: Survey and Map Production*	CAD \$84.50 L/KM
Mobilization/De-mobilization to project:	CAD \$ 9,500.00

There will be no standby charge for the first four days when surveying cannot be accomplished due to any reason outside control of NSG. A standby of \$1,350.00/day will be charged for all consequent standby days.

Note: These prices are net of all local taxes (e.g., GST or HST if applicable).

* The line km rate is based on the condition that client provides jet fuel for the helicopter, reasonable accommodation, meals, and communication at the Coffee creek camp (597,300E / 6,977,400N WGS84, UTM Zone 7N).

13. GENERAL CONDITIONS

NSG will carry out the agreed services in a proper and workmanlike manner with a high standard of safety and in accordance with the laws, rules and regulations applicable to the project location.

At all times during the term of this Proposal, the NSG or its subcontractors shall carry and maintain at its own expense, work insurance protection of the kinds and in the minimum amounts set forth below:

13.1 NSG Liability Insurance

- Employer's Liability and Workmen's Compensation insurance to cover employees furnished by NSG including:
 - (a) Statutory Workmen's Compensation benefits in compliance with the laws of the state, province or country in which the aircraft operations under this Proposal will be performed;
 - (b) Employer's Liability to have limits of not less than \$5,000,000 per person, and \$5,000,000 per accident;
 - (c) Employer's Liability applicable to all provisions outlined above with limits not less than \$5,000,000 each person, \$5,000,000 each occurrence.
- Comprehensive General Liability Insurance. Such insurance shall cover all operations in all provinces, states and countries in which the aircraft operation or services may be performed by NSG hereunder and shall include the following:
 - (a) Limits of liability: not less than \$5,000,000 for death or injury of any one person, \$5,000,000 in the aggregate for all persons injured or killed as the result of any one accident, and \$5,000,000 for loss of or damage to property resulting from any one accident.
 - (b) Contractual liability coverage for NSG's obligations hereunder;

14. PAYMENT TERMS

Total estimated cost:

Mobilization/De-mobilization to project:	CAD\$ 9,500.00
<u>Betty/Bridget block</u> Survey and Map Production: (~7,218 Km @ \$ 49.78 L/Km)	CAD\$ 359,312.04 L/KM
<u>Hen block</u> Survey and Map Production: (~1,207 Km @ \$ 67.42 L/Km)	CAD\$ 81,375.94 L/KM
<u>Wolf block</u> Survey and Map Production: (~548 Km @ \$ 84.50 L/Km)	CAD\$ 46,306.00 L/KM
Estimated Total:	CAD\$ 496,493.98

Note: These prices are net of all local taxes; client provides jet fuel for the helicopter, accommodation, meals and communication at the Coffee creek camp site.

Payment Schedule

An initial payment, due on signing:	20% of selected survey Plan price
A second payment, on the mobilization to the job site:	30% of selected survey Plan price
Third payment, due on completion of flying:	40% of selected survey Plan price
On delivery of final maps and reports:	Balance

Note: These prices are net of all local taxes.

All invoices are due and payable upon submission at the Client's address indicated in Section 1 of this Survey Agreement. A service charge of 0.4 % per week on unpaid balance is payable on all overdue accounts.

The payment schedule is subject to negotiation should the proposed schedule not conform to the client's norms and regulations.

Funds will be paid by wire transfer to:

In CAD Funds

Beneficiary: New-Sense Geophysics Limited
Bank: The Bank of Nova Scotia
Account #: 02011
Transit #: 11452
Institution Code: 002
Swift: NOSCCATT
ABA Routing: 026002532
Address: 880 Eglinton Avenue E. at Laird Drive
Toronto, Ontario, M4G 2L2, Canada

NEW-SENSE GEOPHYSICS

ETHOS CAPITAL CORP.

Name (print): Andrei Yakovenko

Name (print): Peter Tallman

Title: V.P. Operations

Title: Chief Operating Officer

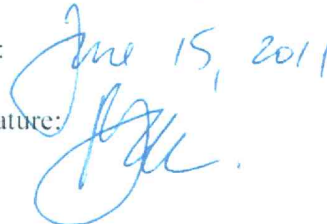
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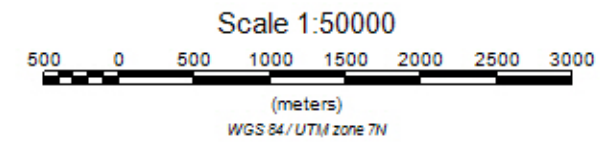
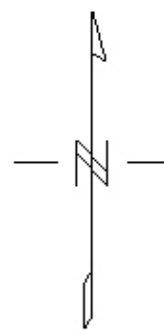
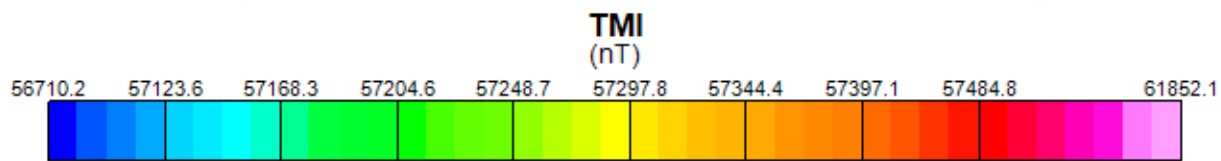
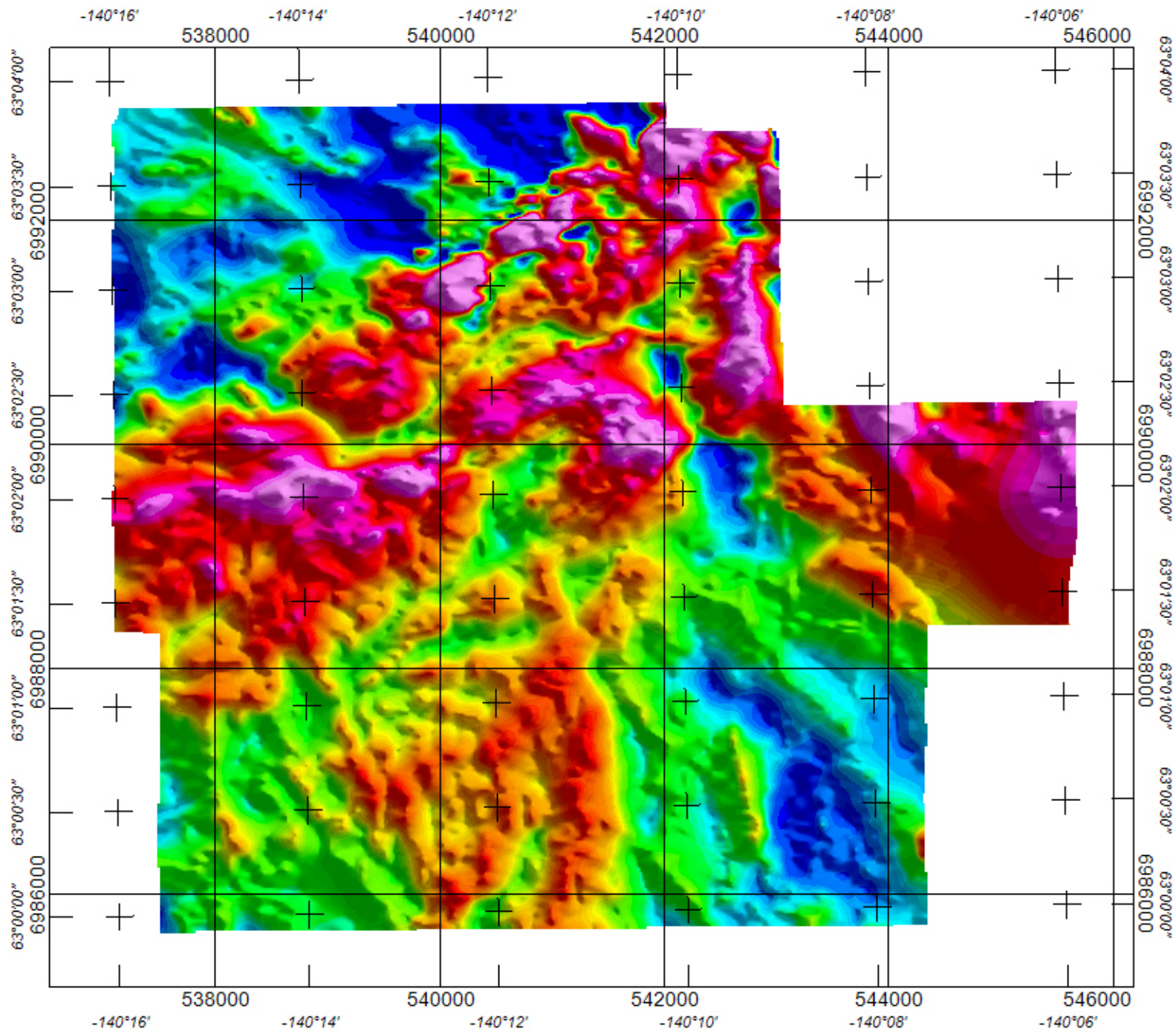
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Signature:



Signature:



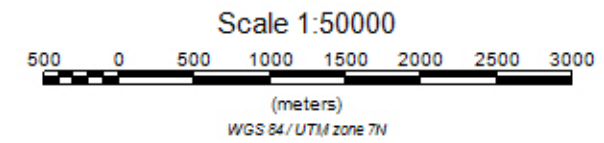
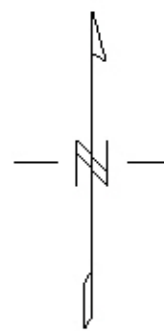
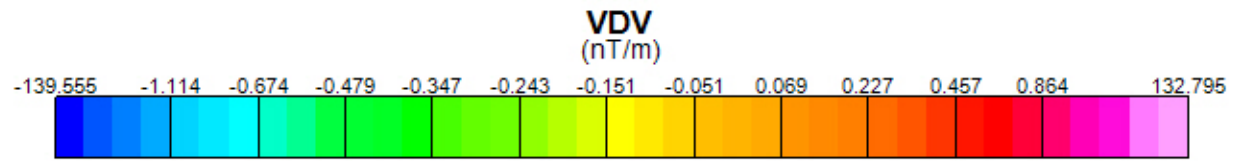
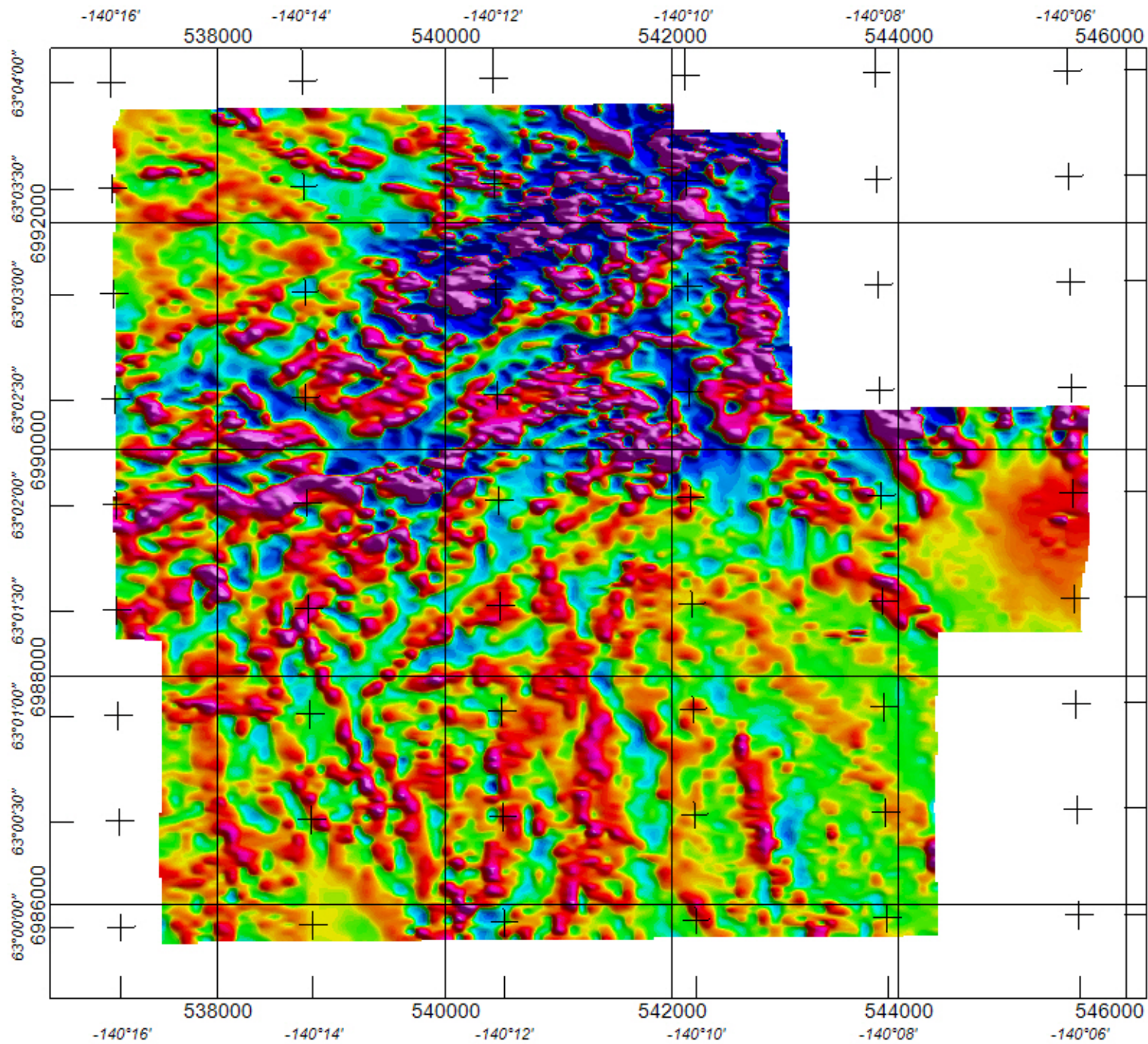


Grid Info
 Gridding Method: Bi-directional
 Grid Cell Size: 20 m
 Spline Down Line: Akima
 Spline Across Line: Akima
 Trend Angle (deg. CCW from X): 0

Line Spacing/Direction
 Traverse Lines: 100m; 0/180 deg. from true north;
 Control Lines: 1000m; 90/270 deg. from true north

Average Sample Interval: 3.4 m/sample (10Hz);
 Average Sensor Height From Ground: 42 m

ETHOS CAPITAL CORP.
Helicopter Borne Aeromagnetic and Spectrometric Survey Wolf Block Total Magnetic Intensity (TMI) Map
Dates Flown: July 8 - August 12, 2011
<i>New-Sense Geophysics Ltd.</i>

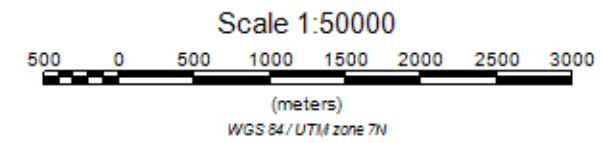
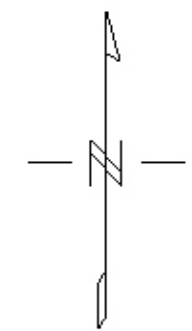
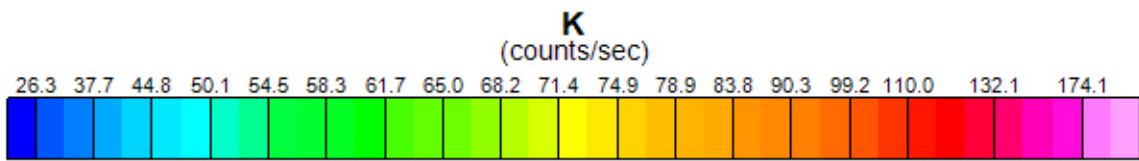
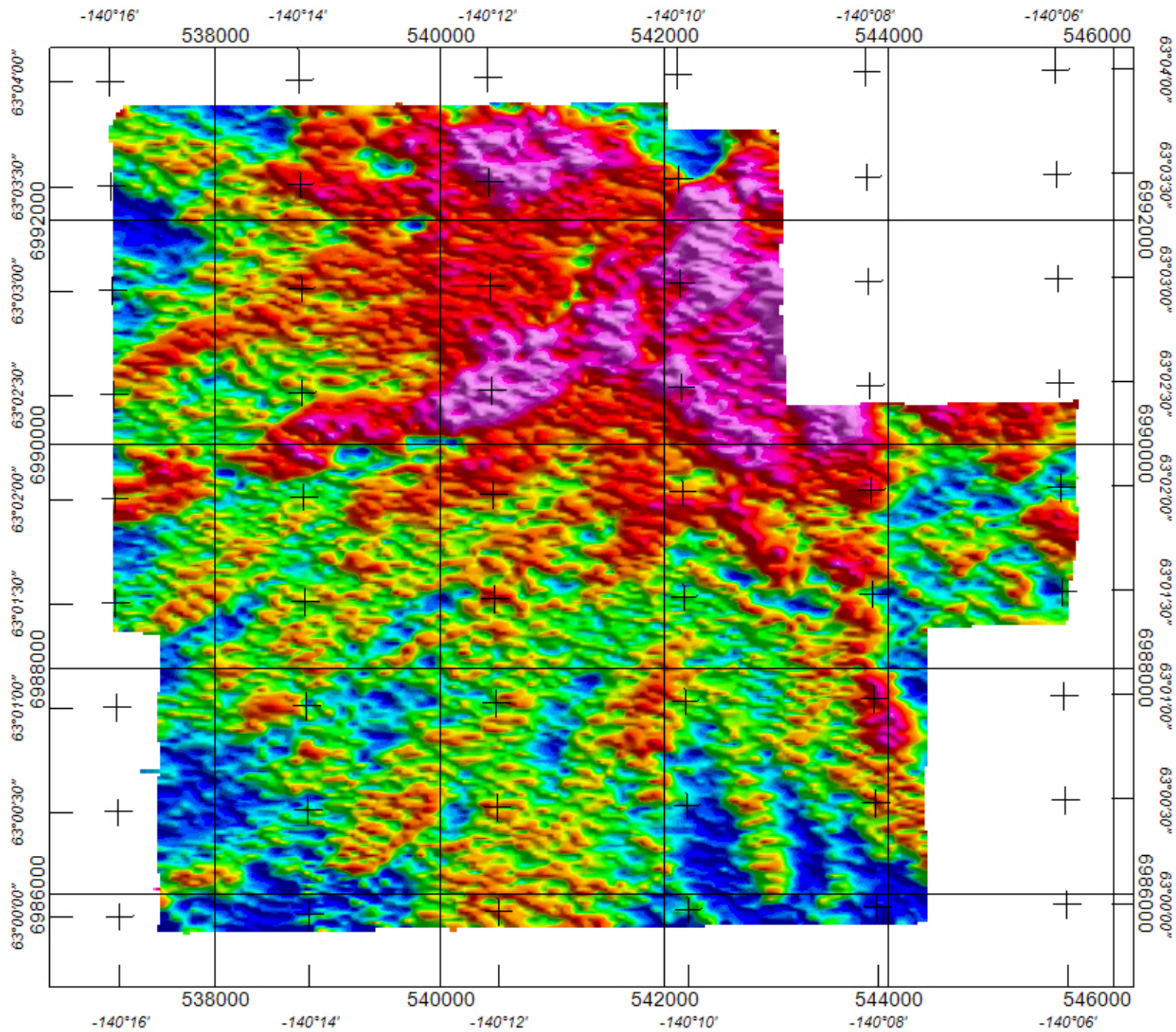


Grid Info
 Gridding Method: Bi-directional
 Grid Cell Size: 20 m
 Spline Down Line: Akima
 Spline Across Line: Akima
 Trend Angle (deg. CCW from X): 0

Line Spacing/Direction
 Traverse Lines: 100m; 0/180 deg. from true north;
 Control Lines: 1000m; 90/270 deg. from true north

Average Sample Interval: 3.4 m/sample (10Hz);
 Average Sensor Height From Ground: 42 m

ETHOS CAPITAL CORP.
Helicopter Borne Aeromagnetic and Spectrometric Survey Wolf Block 1st Order Vertical Derivative (VDV) Map
Dates Flown: July 8 - August 12, 2011
<i>New-Sense Geophysics Ltd.</i>

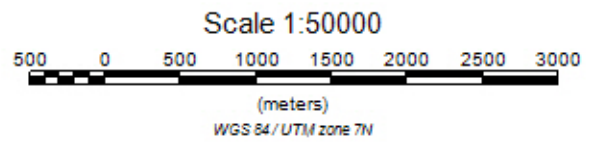
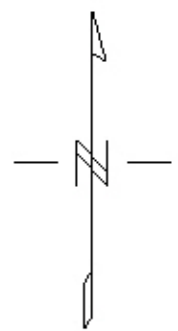
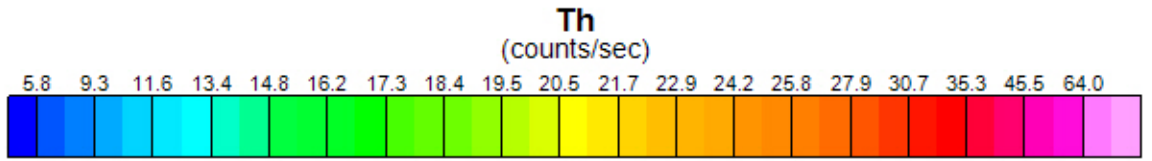
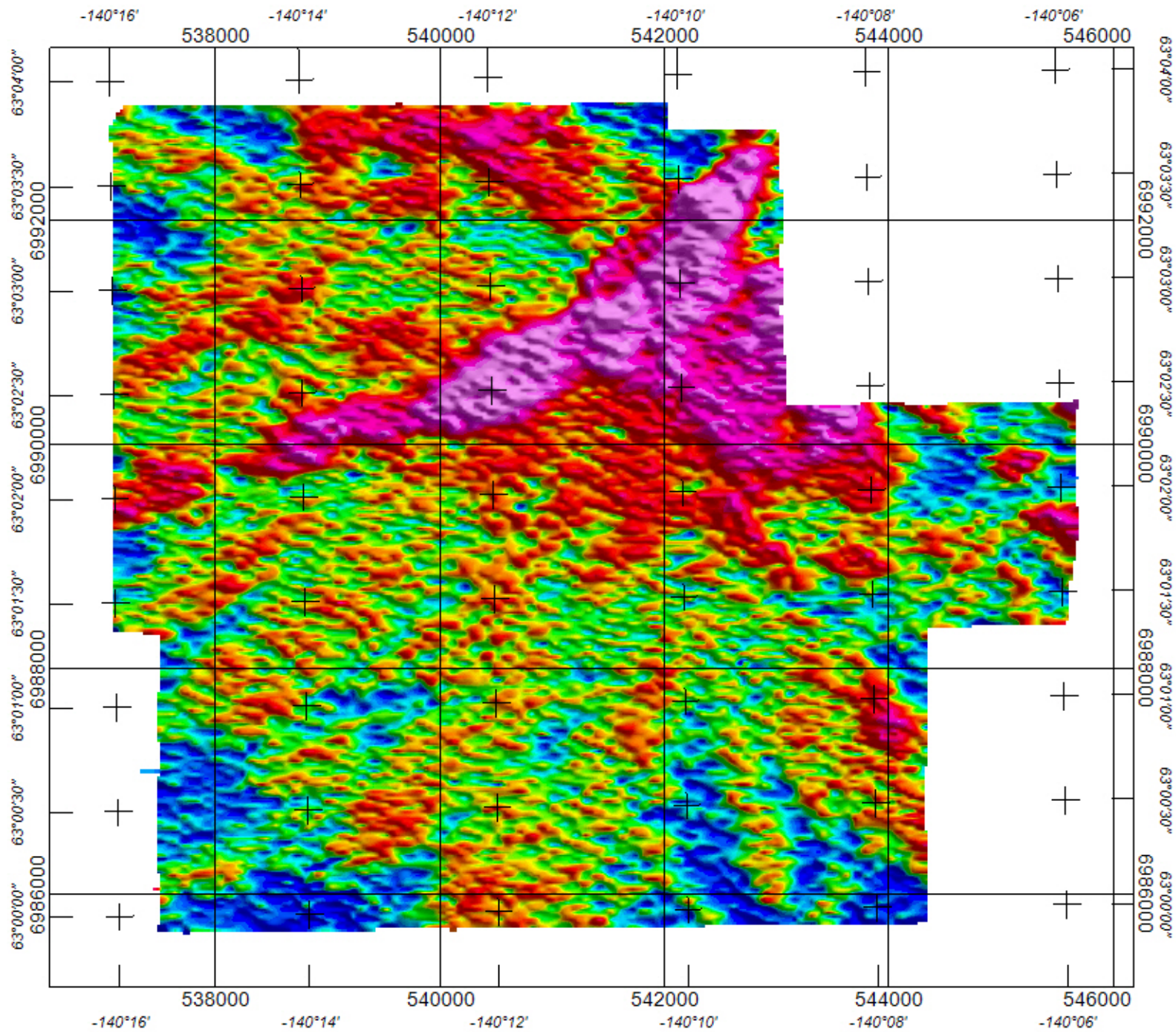


Grid Info
 Gridding Method: Bi-directional
 Grid Cell Size: 30 m
 Spline Down Line: Akima
 Spline Across Line: Akima
 Trend Angle (deg. CCW from X): 0

Line Spacing/Direction
 Traverse Lines: 100m; 0/180 deg. from true north;
 Control Lines: 1000m; 90/270 deg. from true north

Average Sample Interval: 34 m/sample (1Hz);
 Average Sensor Height From Ground: 42 m

ETHOS CAPITAL CORP.
Helicopter Borne Aeromagnetic and Spectrometric Survey Wolf Block Potassium (K) Map
Dates Flown: July 8 - August 12, 2011
<i>New-Sense Geophysics Ltd.</i>

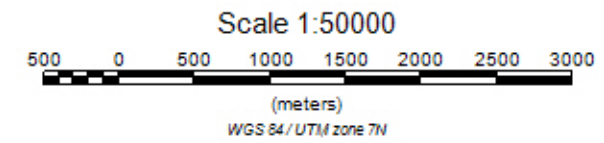
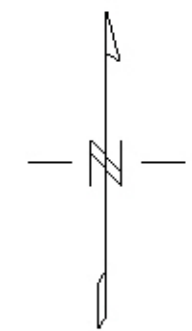
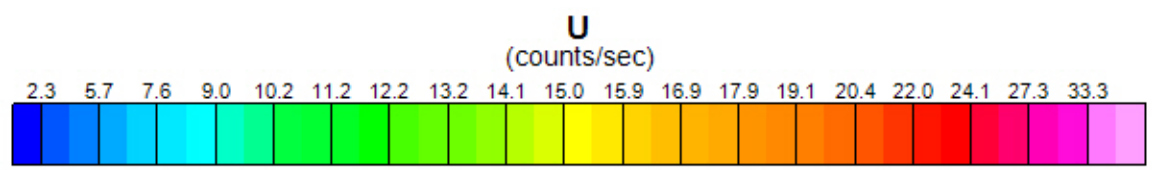
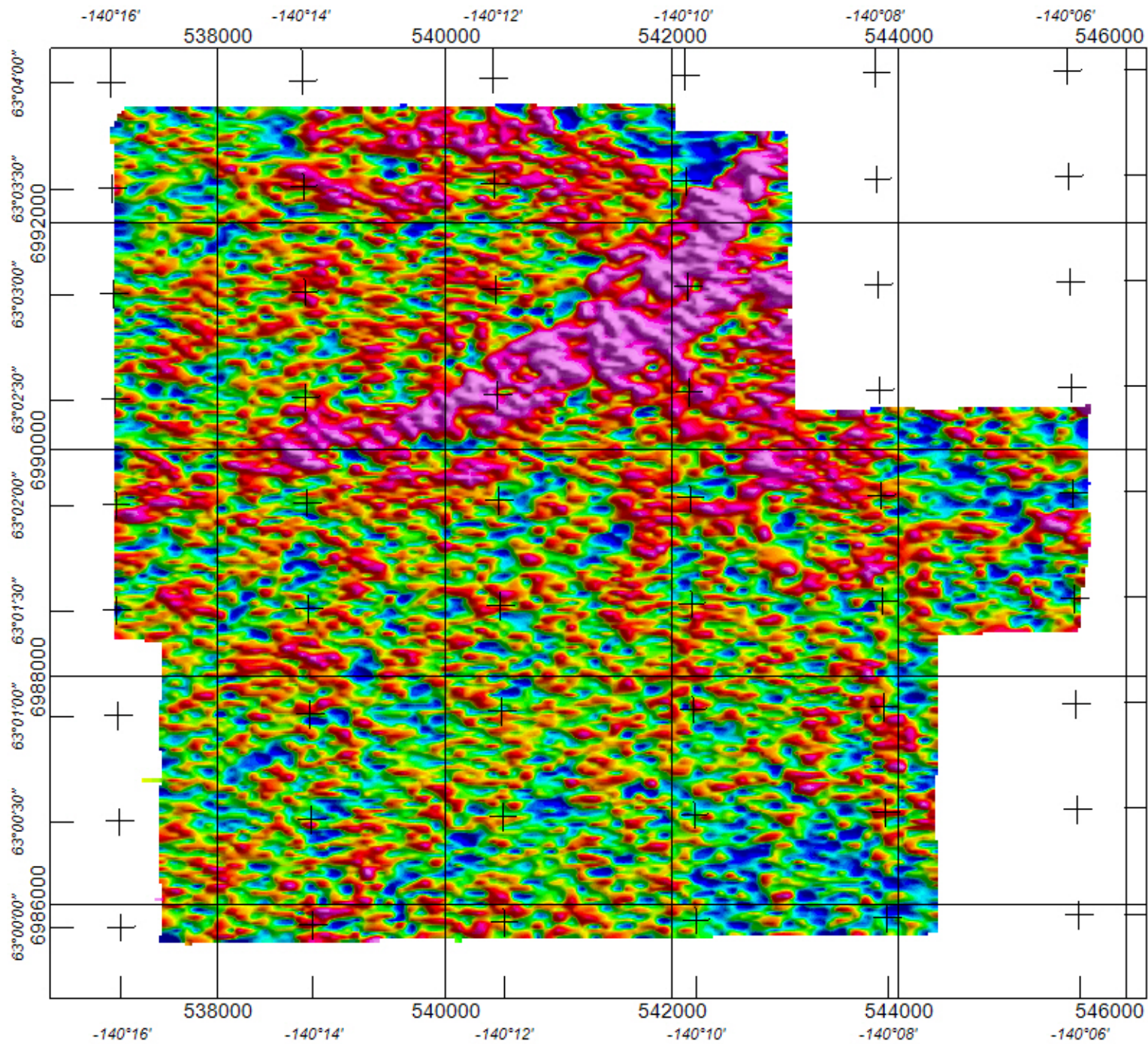


Grid Info
 Gridding Method: Bi-directional
 Grid Cell Size: 30 m
 Spline Down Line: Akima
 Spline Across Line: Akima
 Trend Angle (deg. CCW from X): 0

Line Spacing/Direction
 Traverse Lines: 100m; 0/180 deg. from true north;
 Control Lines: 1000m; 90/270 deg. from true north

Average Sample Interval: 34 m/sample (1Hz);
 Average Sensor Height From Ground: 42 m

ETHOS CAPITAL CORP.
Helicopter Borne Aeromagnetic and Spectrometric Survey Wolf Block Thorium (Th) Map
Dates Flown: July 8 - August 12, 2011
<i>New-Sense Geophysics Ltd.</i>

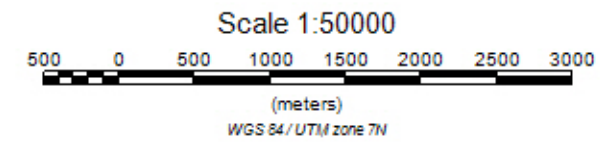
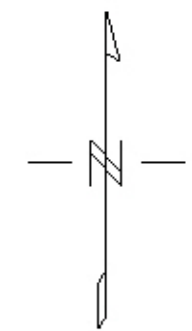
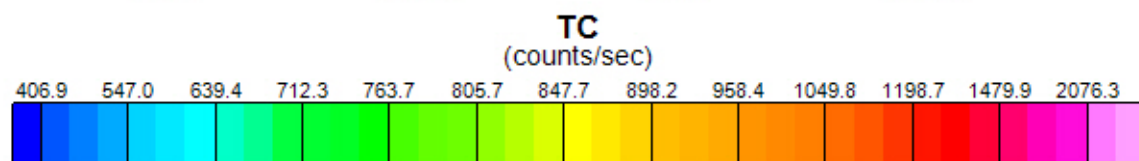
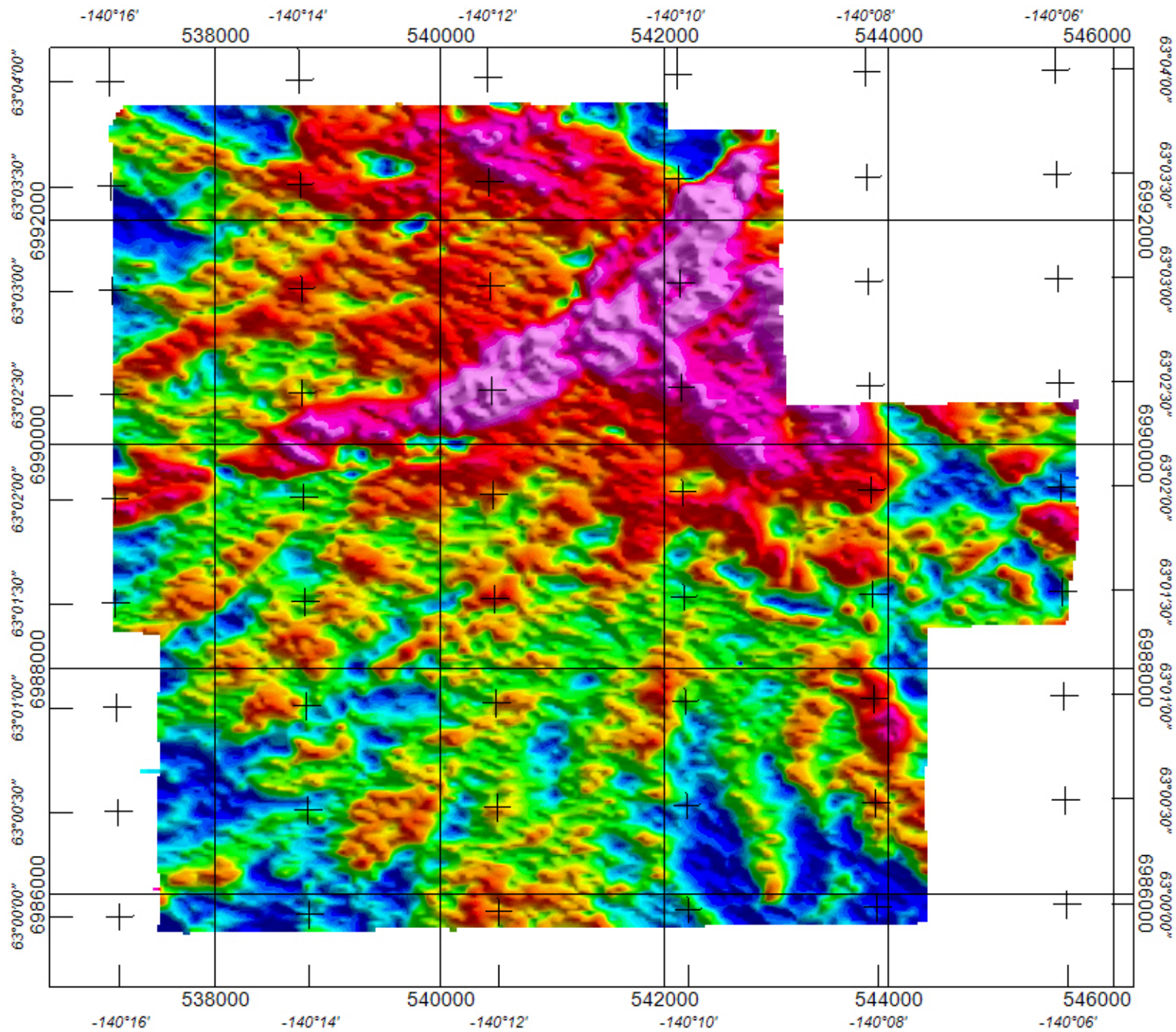


Grid Info
 Gridding Method: Bi-directional
 Grid Cell Size: 30 m
 Spline Down Line: Akima
 Spline Across Line: Akima
 Trend Angle (deg. CCW from X): 0

Line Spacing/Direction
 Traverse Lines: 100m; 0/180 deg. from true north;
 Control Lines: 1000m; 90/270 deg. from true north

Average Sample Interval: 34 m/sample (1Hz);
 Average Sensor Height From Ground: 42 m

ETHOS CAPITAL CORP.
Helicopter Borne Aeromagnetic and Spectrometric Survey Wolf Block Uranium (U) Map
Dates Flown: July 8 - August 12, 2011
<i>New-Sense Geophysics Ltd.</i>

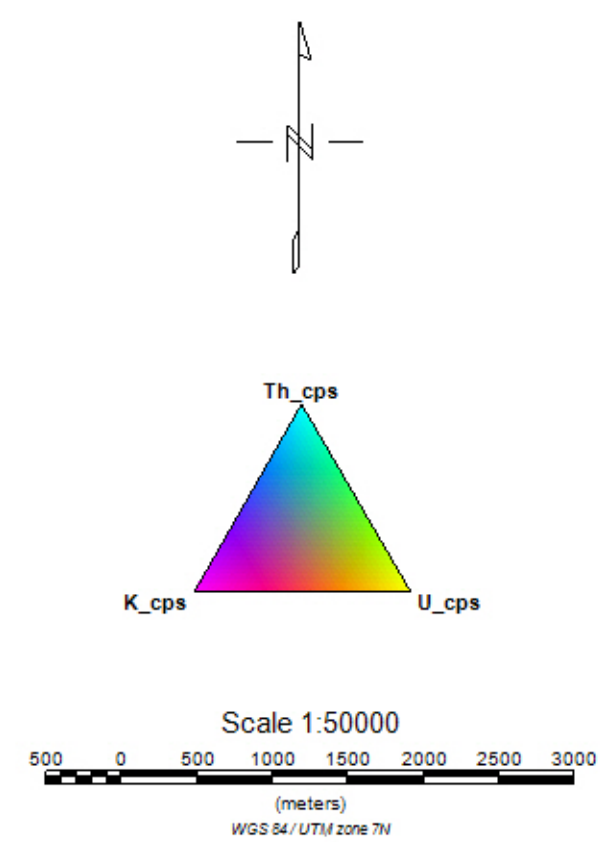
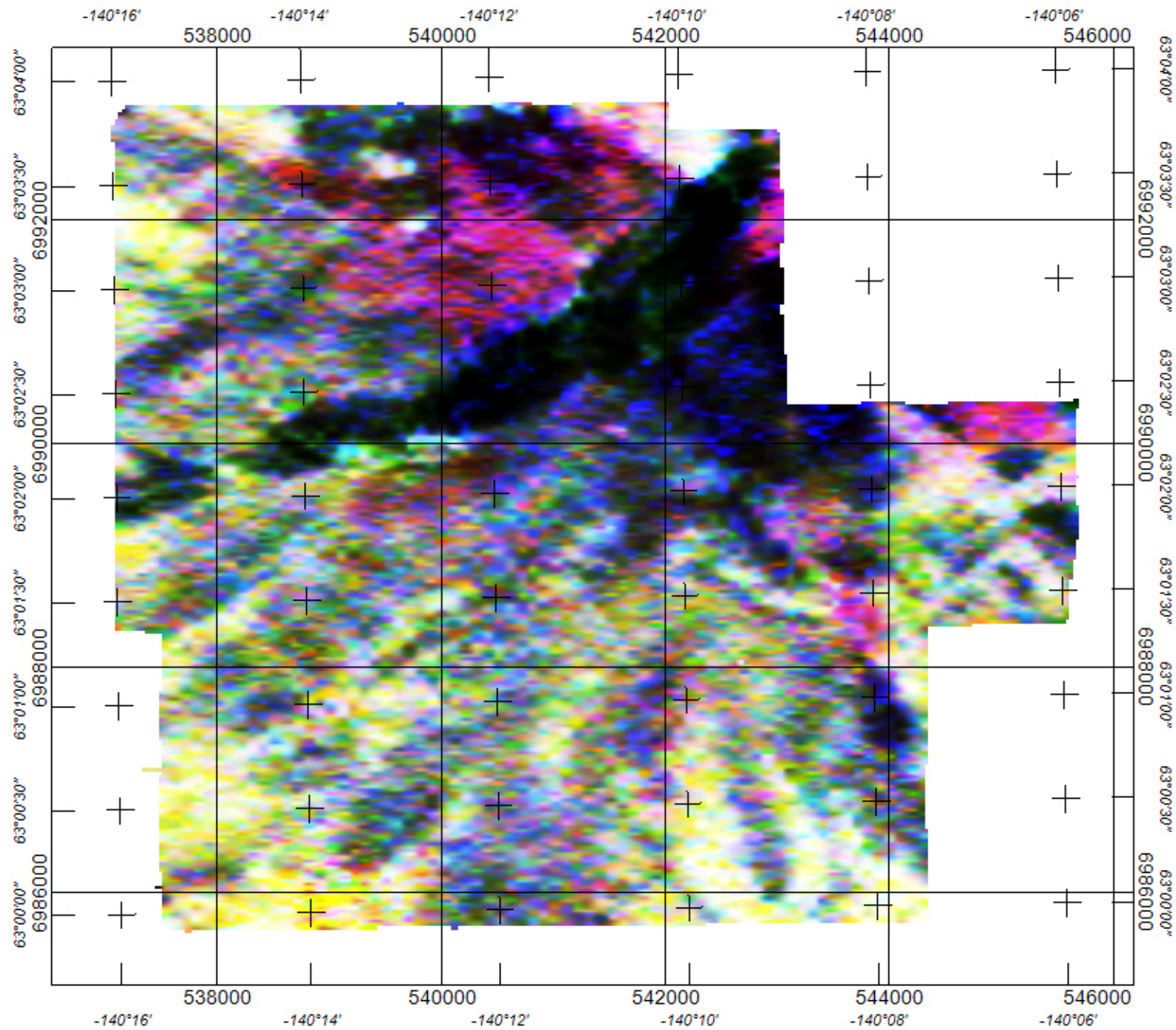


Grid Info
 Gridding Method: Bi-directional
 Grid Cell Size: 30 m
 Spline Down Line: Akima
 Spline Across Line: Akima
 Trend Angle (deg. CCW from X): 0

Line Spacing/Direction
 Traverse Lines: 100m; 0/180 deg. from true north;
 Control Lines: 1000m; 90/270 deg. from true north

Average Sample Interval: 34 m/sample (1Hz);
 Average Sensor Height From Ground: 42 m

ETHOS CAPITAL CORP.
Helicopter Borne Aeromagnetic and Spectrometric Survey Wolf Block Total Count (TC) Map
Dates Flown: July 8 - August 12, 2011
<i>New-Sense Geophysics Ltd.</i>



Grid Info
 Gridding Method: Bi-directional
 Grid Cell Size: 30 m
 Spline Down Line: Akima
 Spline Across Line: Akima
 Trend Angle (deg. CCW from X): 0

Line Spacing/Direction
 Traverse Lines: 100m; 0/180 deg. from true north;
 Control Lines: 1000m; 90/270 deg. from true north

Average Sample Interval: 34 m/sample (1Hz);
 Average Sensor Height From Ground: 42 m

ETHOS CAPITAL CORP.
Helicopter Borne Aeromagnetic and Spectrometric Survey Wolf Block Ternary Map
Dates Flown: July 8 - August 12, 2011
<i>New-Sense Geophysics Ltd.</i>