BRITISH COLUMBIA

Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)]	TOTAL COST
Assessment Report: Geochemical Soil Sampling Cedar-Louis Property,	$37,220.69

AUTHOR(S) Stephen Wetherup, BSc., P.Geo. SIGNATURE(S)

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) YEAR OF WORK 2011

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) SOW #4999687

PROPERTY NAME Cedar-Louis Property

CLAIM NAME(S) (on which work was done) 806864, 806942, 807042, 807062, 809082, 806924, 806963, 807002

COMMODITIES SOUGHT Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN

MINING DIVISION Cariboo NTS 093A/03

LATITUDE 52 ° 31 ' 19 " LONGITUDE 121 ° 26 ' 38 " (at centre of work)

OWNER(S)

1) Bullion Gold Corp. (FMC # 204877) 2)

MAILING ADDRESS

307-1500 Hardy Street
Kelowna, BC, V1Y 8H2

OPERATOR(S) [who paid for the work]

1) Bullion Gold Corp. 2)

MAILING ADDRESS

As above

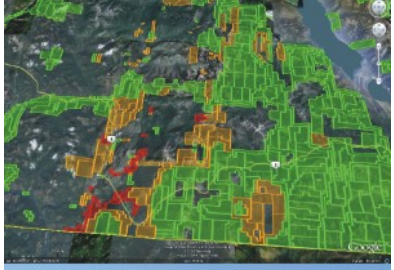
PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Nicola Group, Triassic to Jurassic, sedimentary rocks, black argillite unit , Sediment hosted Au, stratabound Au,

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS

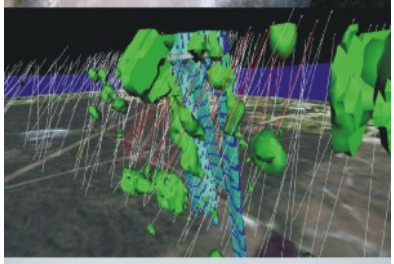
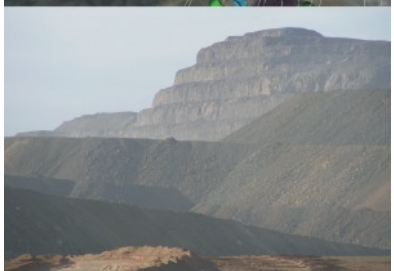
(OVER)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
GEOCHEMICAL (number of samples analysed for ...)			
Soil	Collection, supervision and report writing	581629, 580553, 580550, 831512 580543, 580540, 580552, 580546	$37,220.69
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST	$37,220.69







ASSESSMENT REPORT

GEOCHEMICAL SOIL SAMPLING, CEDAR-LOUIS PROPERTY

Cariboo Mining Division, British Columbia

BULLION GOLD CORP.
Suite 307-1500 Hardy Street
Kelowna, British Columbia V1Y 8H2
Phone (250) 869-1607

LOCATED:

8 km southeast of the village of Likely, BC
52.522° North Lat. And 121.444° West Long.
NTS: 93A/03

January 15th, 2012

Prepared By:

CARACLE CREEK INTERNATIONAL CONSULTING INC.
Stephen Wetherup, B.Sc., P.Geo.

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This report has been prepared by
Caracle Creek International Consulting Inc. (CCIC) on behalf of Bullion Gold Corp.

2011

Issued by: Vancouver Office

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1.0 SUMMARY

Caracle Creek International Consulting Inc. ("CCIC") was contracted by Bullion Gold Corp. (“Bullion”) to plan and conduct a soil sampling survey, and write an Assessment Report documenting the field work conducted in 2011 on its Cedar-Louis Property. The Property is comprised of two separate claim blocks totalling 10 claims and ~2419.34 ha owned by Bullion.

Bullion collected a total of 545 B-horizon soil samples during the 2011 field season including 21 duplicate samples. The results of the analytical results for soil samples and interpretation constitute the basis of this Assessment Report.

The Cedar-Louis Property covers a large area (~2419.34 ha) within the Cariboo region of British Columbia (Figure 3-1). The Property is approximately 8 km southeast of Likely and can be accessed via the Spanish Mountain Forest Service Road from the town of Likely (Figure 3-2).

Government records only show a single assessment report filed specifically covering by the Cedar-Louis Claims. This was a work program conducted by Barker Minerals in 2005 consisting of VLF-EM and ground magnetic surveying along existing logging roads. There has been significantly more work conducted in the area and some geological mapping and prospecting extended onto the current Cedar-Louis Property.

The Cedar-Louis Property was not geologically mapped during the current program but it has been mapped by the British Columbia Geological Survey (Bloodgood, 1990, and Panteleyev et al., 1996). The Property is primarily underlain by one fundamental element of the Quesnel Terrane - a basal, Middle to Late Triassic fine grained sedimentary unit (Nicola Group) that represents a basin-fill succession and commonly referred to as the 'black phyllite unit'. The claims are completely underlain by a sub-unit of the Nicola Group termed the “Banded slate and tuff” and the Nicola Group basaltic rocks.

The Quesnel Terrane in the area of the Spanish Lake Property is a well mineralized region that hosts a wide variety of deposit types. The principal recent exploration and economic development targets on the property are gold-bearing quartz veins and gold-silver bearing stratabound zones of quartz and carbonate-altered quartz-veined phyllite that occur in the basal, black phyllite metasedimentary succession of the Nicola Group (e.g. Spanish Mountain, Frasergold, Kusk). The mineralization in some black phyllite members have potential to be mined as large, bulk-tonnage deposits.

In 2011, Bullion conducted a soil survey over the northern portion of its Cedar-Louis Property totalling

545 samples of which 21 are duplicate samples taken for quality control. The survey was intended to test for possible stratabound gold mineralization style mineralization similar to the Spanish Mountain deposit in an area predominantly covered with glaciofluvial sediments. Appendix 1 contains a list of the 245 soil samples collected by Bullion from 2009 with the locations, selected analytical results and response ratios.

The purpose of the geochemical soil survey was to assess the Cedar-Louis Property for gold mineralization similar to that observed on the adjacent Spanish Mountain Property. The results from this survey appear to show anomalous gold and arsenic in soils which are elongate in the northwest direction, parallel to the bedding of the Nicola Group sedimentary and volcanic rocks. The strongest anomaly occurs at the contact between sedimentary and volcanic rocks in the south central portion of the survey area.

It is recommended to follow-up this survey with geological and structural mapping as well as geochemical rock sampling. This program could also be improved with a detailed airborne DIGHEM and magnetic survey. The focus of this follow-up program would be to identify NW trending structures which may contain gold or alteration which may require drill testing.

2.0 INTRODUCTION

2.1 Introduction

Caracle Creek International Consulting Inc. ("CCIC") was contracted by Bullion Gold Corp. (“Bullion”) to plan and conduct a soil sampling survey, and write an Assessment Report documenting the field work conducted in 2011 on its Cedar-Louis Property. The Property is comprised of two separate claim blocks totalling 10 claims and ~2419.34 ha owned by Bullion.

Bullion collected a total of 545 B-horizon soil samples during the 2011 field season including 21 duplicate samples. The results of the analytical results for soil samples and interpretation constitute the basis of this Assessment Report.

2.2 Units

The Metric System is the primary system of measure and length used in this Report and is generally expressed in kilometres (km), metres (m) and centimetres (cm); volume is expressed as cubic metres (m^3), mass expressed as metric tonnes (t), area as hectares (ha), and gold and silver concentrations as g/t (g/t). Conversions from the Metric System to the Imperial System are provided below and quoted where practical. Many of the geologic publications and more recent documents now use the Metric System but older documents almost exclusively refer to the Imperial System. Metals and minerals acronyms in this report conform to mineral industry accepted usage and the reader is directed to www.maden.hacettepe.edu.tr/dmmrt/index.html for a glossary.

Conversion factors utilized in this report include:

- 1 troy ounce/ton = 34.285714 grams/tonne
- 1 gram/tonne = 0.029167 troy ounces/ton
- 1 troy ounce = 31.103477 grams
- 1 gram = 0.032151 troy ounces

The term gram/tonne or g/t is expressed as “g/t” where 1 gram/tonne = 1 ppm (part per million) = 1000 ppb (part per billion). The mineral industry accepted terms Au g/t and g/t Au are substituted for “grams gold per metric tonne” or “g Au/t”. Other abbreviations include ppb = parts per billion; ppm = parts per million; oz/t = troy ounce per short ton; Moz = million ounces; Mt = million tonne; t = tonne (1000

kilograms); SG = specific gravity; lb/t = pound/ton; and, st = short ton (2000 pounds).

Dollars are expressed in Canadian currency (CAD$) unless otherwise noted. Zinc (Zn), copper (Cu) and lead (Pb) are reported in US$ per pound (US$/lb) or US$ per metric tonne (US$/t). Gold (Au) and silver (Ag) are stated in US$ per troy ounce (US$/oz). Where quoted, Universal Transverse Mercator (UTM) coordinates are provided in the datum of Canada, NAD83, Zone 10U North.

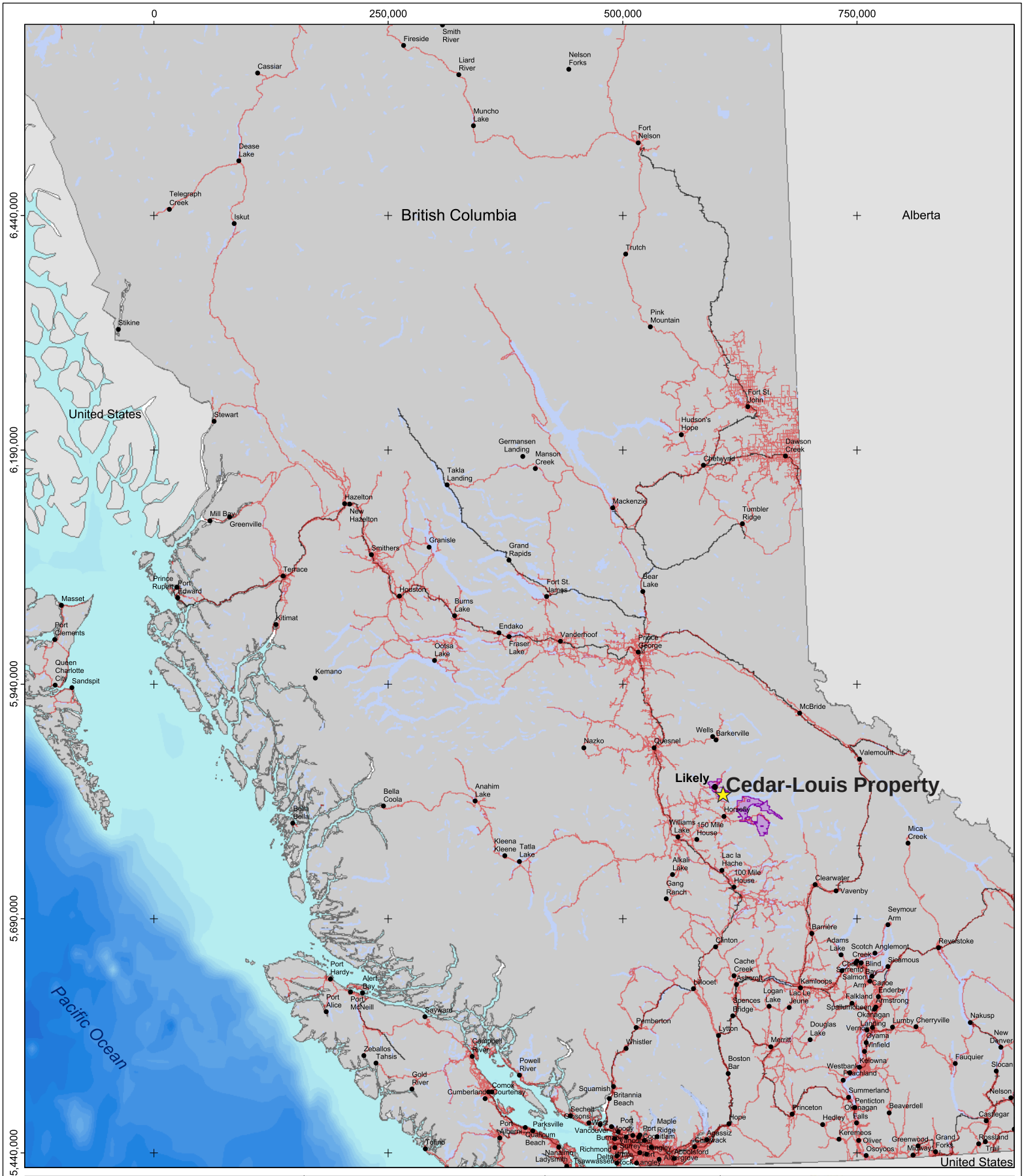
3.0 PROPERTY DESCRIPTION AND LOCATION

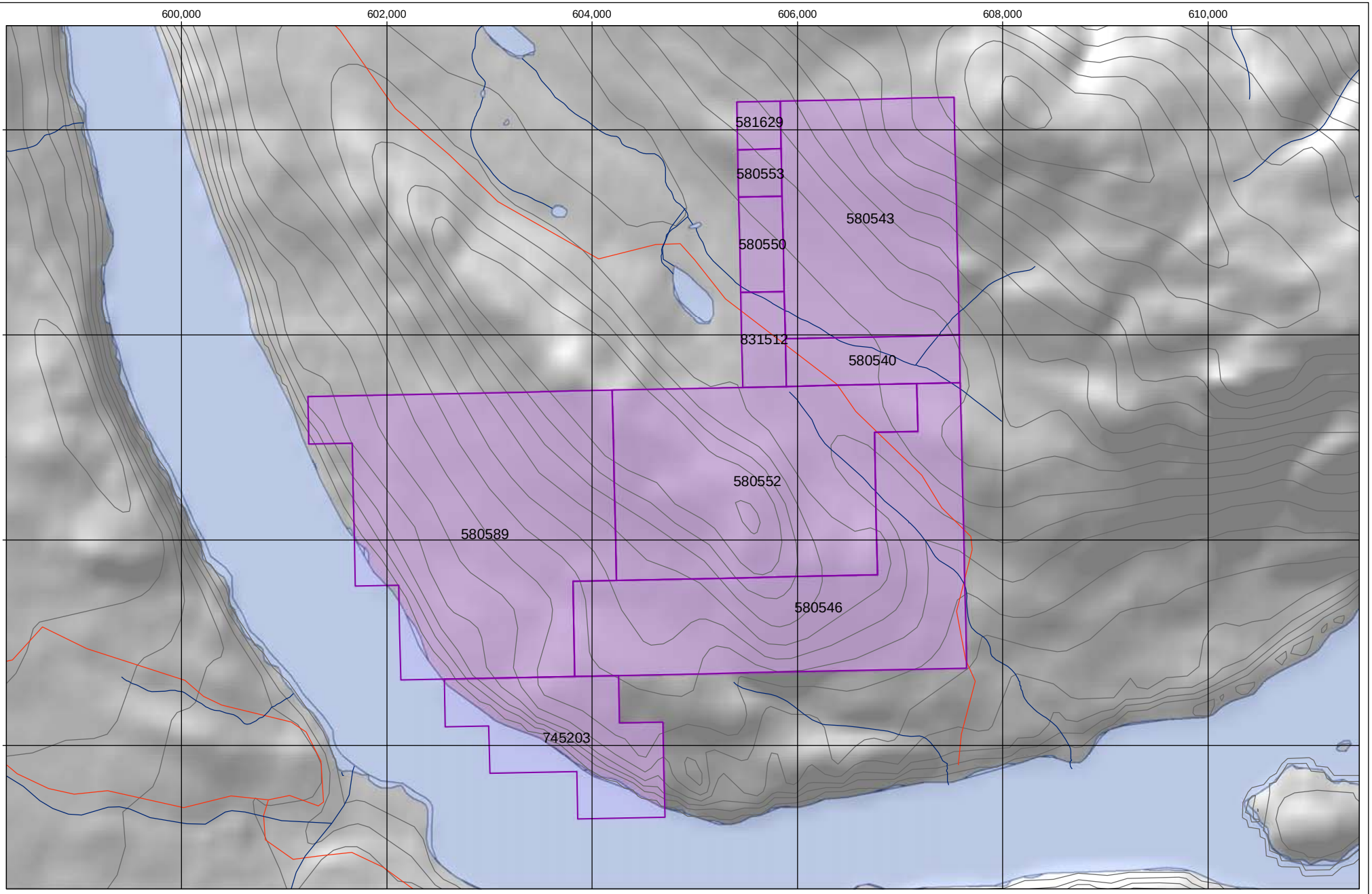
The Cedar-Louis Property covers a large area (~2419.34 ha) within the Cariboo region of British Columbia (Figure 3-1). The Property is approximately 8 km southeast of Likely and can be accessed via the Spanish Mountain Forest Service Road from the town of Likely (Figure 3-2).

Bullion Gold Corp is the 100% owner of all of the claims that comprise the Cedar-Louis Property.

Table 3-1. Mineral tenure summary data for the Cedar-Louis Property (January, 4th, 2012).

Tenure Number	Claim Name	Owner	Issue Date	Good To Date	Status	Area (ha)
580540	LOUIS 1	204887 100%	2008/apr/06	2013/oct/31	GOOD	78.66
580543	LOUIS 2	204887 100%	2008/apr/06	2013/oct/31	GOOD	393.18
580546	CEDAR1	204887 100%	2008/apr/06	2013/oct/31	GOOD	491.84
580550	LOUIS 3	204887 100%	2008/apr/06	2013/oct/31	GOOD	39.32
580552	CEDAR 2	204887 100%	2008/apr/06	2013/oct/31	GOOD	491.74
580553	LOUIS 3	204887 100%	2008/apr/06	2013/oct/31	GOOD	19.66
580589	CEDAR 3	204887 100%	2008/apr/06	2013/oct/31	GOOD	649.15
581629	LOUIS 5	204887 100%	2008/apr/18	2013/oct/31	GOOD	19.66
745203	CEDAR S	204887 100%	2010/apr/11	2013/oct/31	GOOD	196.8
831512	CEDAR N FR	204887 100%	2010/aug/14	2013/oct/31	GOOD	39.33
						2419.34


0
250,000
500,000
750,000
6,440,000
6,190,000
5,940,000
5,690,000
5,440,000
British Columbia
Alberta
United States
Likely
Cedar-Louis Property
Pacific Ocean
Fireside
Smith River
Liard River
Cassiar
Nelson Forks
Muncho Lake
Fort Nelson
Dease Lake
Telegraph Creek
Iskut
Stikine
Trutch
Pink Mountain
Fort St. John
Hudson's Hope
Dawson Creek
Chetwynd
Stewart
Germansen Landing
Manson Creek
Takla Landing
Mackenzie
Tumbler Ridge
Hazelton
New Hazelton
Mill Bay
Greenville
Granisle
Smithers
Grand Rapids
Terrace
Prince Rupert
Port Edward
Houston
Fort St. James
Bear Lake
Masset
Port Clements
Burns Lake
Kitimat
Endako
Fraser Lake
Vanderhoof
Prince George
Odsa Lake
Queen Charlotte City
Sandspit
Kemano
McBride
Wells
Barkerville
Nazko
Quesnel
Valemount
Anahim Lake
Bella Coola
Bella Bella
Horsefly
Williams Lake
150 Mile House
Mica Creek
Kleena Kleene
Tatla Lake
Alkali Lake
Lac la Hache
100 Mile House
Clearwater
Vavenby
Gang Ranch
Seymour Arm
Barriere
Clinton
Adams Lake
Scotch Creek
Anglemont
Revelstoke
Cache Creek
Ashcroft
Chase
Blind Bay
Sorrento
Sicamous
Salmon Arm
Kamloops
Canoe
Enderby
Falkland
Armstrong
Spallumcheen
Okanagan Landing
Vernon
Lumby
Cherryville
Nakusp
New Denver
Slocan
Fauquier
Kelowna
Westbank
Peachland
Summerland
Penticton
Okanagan Falls
Beaverdell
Castlegar
Nelson
Keremeos
Oliver
Osoyoos
Greenwood
Grand Forks
Rossland
Trail
Midway
Hedley
Princeton
Hope
Agassiz
Chilliwack
Abbotsford
Mission
Langley
Surrey
White Rock
Delta
Richmond
Vancouver
Burnaby
New Westminster
Coquitlam
Port Coquitlam
Port Moody
Maple Ridge
Pitt Meadows
Sechelt
Gibsons
Squamish
Britannia Beach
Whistler
Pemberton
Lytton
Boston Bar
Merritt
Douglas Lake
Logan Lake
Lac Le Jeune
Spences Bridge
Ashcroft
Cache Creek
Clinton
Barriere
Vavenby
Clearwater
Gang Ranch
Alkali Lake
Lac la Hache
100 Mile House
Williams Lake
150 Mile House
Horsefly
Mica Creek
Kleena Kleene
Tatla Lake
Anahim Lake
Bella Coola
Bella Bella
Port Hardy
Alert Bay
Port Alice
Port McNeill
Sayward
Campbell River
Zeballos
Tahsis
Gold River
Powell River
Comox
Courtenay
Cumberland
Port Alberni
Parksville
Qualicum Beach
Nanaimo
Ladysmith
Duncan
Chemainus
Sawwassen
Tofino
Ucluelet
Legend:
Communities
Roads
Rail lines
Major Lakes
BC Border
Tiex Claims
Tiex Properties,
British Columbia, Canada.
N
W
E
S
Scale
0 25 50 75 100 125 150 km
TIEX INC
Property Location Map,
Tiex Properties, British Columbia, Canada.
Date: 05/10/11
Scale: 1:5,250,000
Figure 3-1
Projection: UTM, Nad83, Zone 10N.
Office/Author: Vancouver/gcn
CCIC
Caracle Creek



Legend:

- Roads
- Railway
- Trails
- Contour Lines
- Rivers/Streams
- Lakes/Ponds
- Tiex Claim Block

TIEX INC

Cedar-Louis Claims Map,
Tiex Property, British Columbia, Canada.

Date: 19/01/12	Scale: 1:50,000	Figure: 3-2
Projection: UTM, Nad83, Zone 10N.	Office/Author: Vancouver/gcn	

CCIC Caracle Creek

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, AND PHYSIOGRAPHY

4.1 Access

The area around Likely, BC has seen continuous forestry activity and there is an extensive network of logging roads and access trail throughout the Cariboo Region. As a result almost all areas on the Property can be accessed by 4x4 trucks and helicopter support to conduct exploration work is rarely utilized in the region. The Property can be accessed from the town of Likely, BC via the Cedar Creek Forest Service Road which is an all-season haul road.

4.2 Climate and Vegetation

The climate of the Likely area is modified continental, with cold, snowy winters and long warm summers. Being located just east of the Interior dry belt, the area receives about 40 cm of precipitation, with most of it falling in the winter as snow. Snow depths in the Cariboo Plateau are typically 1 to 2 m.

Flora on the Property consists mainly of mixed forests with spruce, pine and poplar being the most common trees. Dense undergrowth is common on the northern end of the Property where generally precipitation is greater than in the south were lodge pole pine forests become increasingly more dominant. At elevations greater than ~1200 to 1200 m sub-alpine flora occur progressing up slope to alpine flora.

4.3 Physiography

The Spanish Lake Property lies in a transitional zone between the Cariboo Plateau, the easternmost part of the larger region of Interior Plateaus and the Cariboo Mountains to the east. In general the Property physiography consists of gently undulating hills, valleys and low mountains, with higher and steeper sub-alpine and alpine terrain of the Cariboo Mountains on the extreme eastern margin of the Property. Elevations on the Property range between 980 to 1400 m above sea.

Bedrock exposure throughout the region is very poor with large areas are covered by glaciofluvial deposits, till sheets and moraines with trains of large glacial erratics. North-westerly glacial transport is consistent throughout the area with local zones showing more westerly ice movement trends.

4.4 Infrastructure and Local Resources

The nearest major city centre is Williams Lake a resource (mining, logging, and ranching) based

community with an experienced labour force. It is the main supplies and services point for fuel, groceries, accommodation and heavy construction equipment. It has regular scheduled air and train service. The village of Likely with 350-400 residents, is serviced with power and offers accommodations, a small grocery store and local small equipment contractors for mineral exploration purposes. A major electrical transmission line serves the Mount Polley copper-gold mining operations located some 8 km due south-southwest of Likely.

5.0 PROPERTY HISTORY

Government records only show a single assessment report filed specifically covering by the Cedar-Louis Claims. This was a work program conducted by Barker Minerals in 2005 consisting of VLF-EM and ground magnetic surveying along existing logging roads. There has been significantly more work conducted in the area and some geological mapping and prospecting extended onto the current Cedar-Louis Property. The regional exploration history is summarized in the following section.

5.1 Spanish Mountain – Likely Area

This Property History section is taken from a previous assessment report written on Tiex Inc. and Bullion Gold Corp.'s behalf, by John Buckle (2010).

Records of gold mining in the Quesnel River area date back to the earliest history of placer mining in British Columbia. There is mention as early as 1852 of natives trading gold nuggets from unknown sources at the Hudson's Bay Company trading post at Kamloops.

In 1859, rich river-bar placer gold was first found in the Quesnel River in an area what was to become the settlement of Quesnel Forks. Shortly after, placer gold was found at the confluence of Horsefly and Little Horsefly rivers, prospectors reportedly took out 101 ounces in one week. The news of rich placers in the Cariboo travelled quickly and the great Cariboo gold rush began. In 1860, prospectors from Quesnel Forks worked up the Cariboo River to Cariboo Lake where rich placer was found on Keithley and Antler creeks. The following season saw further prospecting up the creeks and over the divide into Williams Creek. The phenomenal richness of the gravels in this creek surpassed all the previous diggings to date. Nearly a thousand miners descended the area and for four years the surface gravels produced unheard of amounts of gold, approximately $2,000,000 worth (117,647 ounces at $17.00 per ounce). Between 1874 and 1945, a recorded 827,741 ounces of gold, valued at $14,898,601, was recovered from the Cariboo goldfields (Holland, 1950).

In 1933, gold-quartz veins were first discovered on Spanish Mountain. During the 1980s a series of exploration programs was conducted in this area by a number of various mining companies. Presently, Spanish Mountain Gold Ltd. is undertaking an aggressive drilling program and has outlined a gold mineralized system measuring 1200 m by 500 m (Main Zone) with thickness between 10 to 135 m and grades averaging around 1.0 g/t gold (March 27,2008, www.skygold.ca).

From 1978 through to the late 1980's the ground now covered by the Property experienced various stages of exploration surveys by several different exploration and mining companies.

In 1978, Silver Standard Mines Ltd. initially optioned the claims from Mickle and conducted limited geochemical soil surveys followed by four diamond drill holes in the Gold Creek-Poquette valley area. On the east slope of Poquette valley parallel to Gold Creek, geochemical results were as high as 620 ppb and 900 ppb Au. Directly across the valley on the west slope, some of the more anomalous geochemical values ranged between 120 ppb to 1800 ppb Au. Four widely spaced drill holes were positioned to test the geochemical anomalies on either side of the valley and also to test the gold-bearing quartz veins near the old workings. The drill results returned low gold values this is probably due to the poor core recovery and badly broken rock, one hole was abandoned and the other three did not reach their planned targets. No further drilling was carried out.

In October 1979, the author along with Dr. John Godfrey of the University of Alberta examined the Gold Creek showing as well as number of other gold anomalous areas Mickle had uncovered including workings on Spanish Mountain. Continuous chip sampling was carried out along an exposed rock face adjacent to Gold Creek in the area of the former old workings. Samples were collected from both of the mineralized quartz veins and host rock. Results from this sampling included 1.7 g/t gold and 8.7 g/t silver across 20.7 m. Within this interval was 2.3 g/t gold across 12.48 m. The altered host rock was also found to carry gold and silver averaging between 0.815 g/t and 8.7 g/t respectively. Between 1980 through to 1993 various mining and exploration companies examined ground primarily concentrating in a 75 km^2 (approximately 15 km by 5 km) area, from Quesnel Forks and to Spanish Mountain including the Property now owned by Bullion Gold Corp.

In 1980, Aquarius Resources Ltd acquired most of the claims in the Likely area from Mickle and partnered with Carolin Mines Ltd.

Between 1980 and 1994 reconnaissance geochemical soil surveys and airborne EM and magnetometer surveys were completed. Between the Forks and Poquette valley several isolated gold geochemical highs were out lined with a magnetic anomaly trending north-westerly between the Forks and Spanish

Mountain. Some limited trenching was conducted but with marginal success due to the thickness of overburden. Majority of the gold highs are believed to be glacial or placer related with basaltic rocks encountered in the shallower trenches producing the magnetic signature.

In 1984-1986, Mt. Calvery Resources Ltd. in joint venture with Carolin conducted a comprehensive geochemical exploration program which included backhoe trenching of gold anomalous areas. Eleven backhoe trenches were dug to test some of the better gold soil anomalies located between Rossette Lake (east of the Forks) north to the Cariboo River, now part of the Property, but only 4 reached bedrock. The old 'LK' prospect located by Mickle was trenched and chip samples collected from altered (epidote, carbonate, silica) basalt, some of the better values included one 4 meter chip assaying 535 ppb and a grab sample returned 3100 ppb (3.1 g/t Au). Mickle reported initially obtaining a grab sample from this prospect with gold values of 7100 ppb. Gold Creek was also soil sampled with gold values peaking to 89,000 ppb. Mt. Calvery describes the Gold Creek mineralization as contained within a prophylitic alteration halo surrounding a poorly exposed diorite stock located just west of Poquette Creek.

Eighteen additional test pits were completed in the Murderer Creek area north of the Cariboo River and west of Poquette Creek and Potter's Mill. Ten reached bedrock encountering basalt or andesitic rocks. Majority of the isolated gold soil highs are believed to be glacial or placer related. Mt. Calvery concluded due to the thick mantle of glacial till it severely restricted the effectiveness of the geochemical survey. One of the test pits encountered elevated values in gold (245 ppb), silver (1.5 ppm), copper (310 ppm) and arsenic (1942 ppm) near bedrock located about 300 m northwest of Potters Mill.

A total of 45 test pits were completed to test both geochemical and I.P. anomalies. Majority of the pits encountered weakly (silicified) altered basaltic rocks. Some of the basalt is weakly (1-3%) pryitized which may be sufficient to explain some of the I.P. anomalies.

In 1987, Dome Exploration (Canada) Ltd. conducted a 28 percussion drill hole program on four of the soil anomalies outlined from Mt. Calvery surveys. Five foot (1.5 m) continuous chip sample intervals were collected from surface to bottom of each hole. Most of the holes were positioned east of Poquette Lake along the south side of the Cariboo River and east of Murderer Creek. In addition, a 15 meter trench was dug and sampled over an area where visible gold was found in float sample. Majority of the holes encountered 20 feet (6.1 m) of overburden or greater before hitting bedrock with one hole going 150 feet in overburden. Some of the holes were abandoned in overburden most encountered dark green augite porphyry basalt with negligible gold values. The best results came from h ole 329- P25. It is described as encountering 20 feet of overburden with bedrock as light grey-green, fine grained andesite tuff and trace

amounts of pyrite, epidote and mariposite drilled to a depth of 200 feet (61 m). Local zones of quartz and calcite to 10% noted throughout. A section from top of bedrock to a depth of 135 feet (41 m) returned elevated gold, copper and arsenic values, which included a 7.6 meter section (25'-50') ranging 91-1115 ppb gold. This hole is located near the south end of Poquette Lake and some 150 m west of Porter's Mill. The geological description of the hole resembles that of the auriferous-bearing host rock found on Gold Creek.

In 1989, Corona Corporation optioned the ground from Carolin Mines Ltd. Corona also concentrated its exploration efforts on ground Mt. Calvery and Dome had previously sampled, ground now covered by the Property. Corona sample the Gold Creek exposed section across 6.2 m averaging 3.43 g/t gold. Additional rock sampling and limited geological mapping was also conducted on the west side of Poquette Creek south of the road to Potter's Mill. Two samples were collected from altered, hematite stained diorite which returned low gold values but high silver values of 71.8 and 27.7 ppm. This is also in the approximate area where Silver Standard Mines Ltd. (1978) obtained several elevated gold values in soil including one oil sample containing 1.8 g/t gold. Corona also sampled the LK trench. Anomalous gold values (320 ppb to 2150 ppb) were returned for all but three of the rocks assayed. Silicified vesicular basalts with chalcopyrite, disseminated pyrite, 2mm quartz veinlets and carbonate clots assayed 2.15 and 1.72 g/t gold. Much of the work conducted by Corona was of reconnaissance in nature and to investigate and verify previous gold anomalous areas the above noted companies had already tested and defined. Corona subsequently dropped their option.

6.0 GEOLOGICAL SETTING

The “Geological Setting” section presented here is taken from a NI 43-101 report written for Tiex Inc. and Bullion Gold Corp. by G. Owsiacki (2007).

6.1 Regional Geology

The Cedar-Louis Property lies along the eastern margin of the Intermontane Belt along its tectonic boundary with the Omineca Belt. The property area is almost entirely within Quesnellia, alternatively referred to as Quesnel Terrane. The western terrane boundary of Quesnellia rocks with Cache Creek Terrane rocks is marked by a zone of high-angle, strike-slip faulting that is probably the southern extension of the Pinchi fault system. Along the eastern margin of the property area, rocks of Quesnellia and a thin slice of underlying Crooked amphibolite, part of the Slide Mountain Terrane, are structurally coupled and tectonically emplaced by the Eureka thrust onto the Barkerville subterrane of the Omineca

Belt.

The predominantly Triassic and Early Jurassic volcanic and related volcaniclastic rocks that characterize Quesnellia overlie a thin, discontinuous slice of Crooked amphibolite. Struik (1986, 1988a) regards the amphibolite as the basal unit of Quesnellia and considers the contact between Quesnel rocks and the amphibolite to be structural, as does Bloodgood (1988). On the other hand, Struik (1981, 1985a) refers to a depositional contact in some places. Also Rees (1987) suggests that the two map units have a depositional contact and were linked as a single composite terrane by the Late Triassic. He considers the amphibolite to be correlative with rocks of the Slide Mountain Terrane but refers to it as the Antler Formation in order to suppress the implication that it might be tectonically separated from Quesnellia. Basement for Quesnellia is probably rocks of the Harper Ranch Subterrane. These are Devonian to Permian oceanic marginal basin or arc volcanics and sediments that locally contain mafic intrusions and alpine-type ultramafic rocks. Along the Eureka thrust, the eastern boundary of Quesnel Terrane, rocks of Quesnellia are superimposed on the intensely deformed, variably metamorphosed Proterozoic and Paleozoic pericratonic rocks of the Barkerville Subterrane. The western part of the Intermontane Belt, Stikinia, is separated from Quesnellia by rocks of the Cache Creek Terrane. It is composed of mainly Mississippian to Middle Triassic oceanic and island arc volcanics and sediments.

The Quesnel Lake area contains four main tectonic assemblages. The principal assemblage in Quesnellia, the predominant unit in the Spanish Lake Property area, is the Triassic-Jurassic Nicola island arc - marginal basin sequence. The underlying rocks are the Crooked amphibolite, part of the Slide Mountain assemblage, a mylonitized mafic and ultramafic unit of oceanic marginal basin volcanic and sedimentary rocks. The Barkerville Subterrane to the east, a continental prism sequence, is made up of two units, the Snowshoe Group and Quesnel Lake gneiss. The Snowshoe rocks are Hadrynian Upper Proterozoic) to Upper Devonian metasediments that are considered to be correlative in age with Eagle Bay rocks of the adjoining Kootenay Terrane to the south. The Quesnel Lake gneiss, found locally near Quesnel Lake within regions of predominantly Snowshoe rocks, is a Devonian to Mississippian intrusive unit. Further to the east of the Barkerville Subterrane are Kaza and Cariboo groups rocks of the Upper Proterozoic to Carboniferous Cariboo Subterrane, a continental margin assemblage. To the west of Quesnellia are Permian and (?) older limestone and Mississippian to Upper Triassic sedimentary rocks of the Cache Creek assemblage, an oceanic melange. Two other minor map units in the northern part of the Quesnel Trough include small fault bounded, fragments of tectonic assemblages. These are oceanic ultramafic rocks, part of the Slide Mountain Group, exposed along a northern segment of the Eureka thrust, and a small wedge of Cambrian shale, sandstone and limestone by Dragon Lake near Quesnel.

Some parts of the main tectonic assemblages in Quesnellia and the adjoining terranes are extensively overlapped by younger successions of sedimentary and volcanic rocks and intruded by post-accretionary plutons. Within the Quesnel Trough, near Quesnel and near its western margin along the Fraser River, these units include Lower and Middle Jurassic arc derived clastic rocks. The rocks are considered to be equivalent to the Hall and Ashcroft formations of south-eastern and southern Quesnellia. This unit in the Quesnel River area contains a number of undifferentiated clastic successions including rocks as young as Cretaceous. Subaerial volcanic rocks and the clastic aprons and lacustrine deposits derived from them include Palaeogene Kamloops Group transtensional arc volcanics and Neogene Chilcotin Group back-arc volcanics. Locally Neogene Fraser alluvial sediments are exposed through a regionally widespread cover of Quaternary deposits.

Intrusive rocks in Quesnellia include pre-accretionary and accretionary Early Jurassic plutons and also some mid-Cretaceous post-accretionary stocks. Early Jurassic intrusions (182-214 Ma) include both calcalkaline plutons that are equated with intrusions of the Guichon Creek batholith as well as high-level alkaline stocks similar to the Copper Mountain suite. Some other unclassified intrusions form suites of dioritic and granodioritic stocks. Postaccretionary intrusions (87-130 Ma) are equivalent to the Bayonne granitic suite as well as some additional unclassified granodioritic intrusions. Tertiary plutonic rocks have not been discovered in the area, although Eocene alkalic volcanic rocks and lamprophyric dikes are known to occur.

The terminology used for the Mesozoic volcanic arc rocks in Quesnellia has been inconsistent in the past. The usage for all the Triassic-Jurassic volcanic arc and related rocks in Quesnellia currently preferred and advocated is Nicola Group (Gabrielse and Yorath, 1991; Wheeler and McFeely, 1991).

6.1.1 Structure

The structures of the central Quesnel belt were initially produced during accretion of Quesnellia arc rocks and the underlying Crooked amphibolite with rocks of the North American continental prism and is interpreted to have taken place from 186 to 180 Ma (Nixon et al., 1993). Subsequent tectonic activity resulted in a number of overlapping and dominating phases of deformation. Folds are most evident in basal phyllite underlying and inter-fingering with Nicola Group arc volcanics, and thin sedimentary units interbedded with overlying basaltic volcanic rocks. The volcanic rocks are extensively block faulted but the massive appearance of the volcanic assemblages does not readily allow the definition of folds and the resolution of fold patterns within the volcanic units.

Previous workers have identified from two to five phases of folding and Elsby (1985) suggested that normal faulting represents a sixth phase of regional deformation. In the eastern part of the Quesnel Terrane, Rees (1987) has described five deformational episodes which he relates to the development of the arc, its subsequent accretion with cratonic North America and to later tectonism involving pericratonic and cratonic rock of the Omineca Belt as well as allochthonous Quesnellia. McMullin considered that five phases of deformation can be recognized in the Quesnel Lake area, mainly in the well stratified metasedimentary successions of the Barkerville Subterrane which is not part of Quesnellia. The first four phases produced coaxial folds with north-westerly trending axes and variably dipping axial planes. These folds are overprinted by north-easterly striking folds with vertical axial planes. McMullin's phase one structures are present only in rocks of Barkerville Subterrane and possibly the Crooked amphibolite, the basal oceanic rocks on which Quesnellia evolved. He considered that the oldest structures in Quesnellia formed during the second phase of regional deformation, producing tight to isoclinal folds with a well-developed axial planar fabric. The attitudes of these folds are affected by later deformation, but generally fold axes trend to the northwest. Rees (1987) suggested that these folds have north-easterly to easterly vergence.

The third phase of regional deformation recognized by McMullin generated upright to semi-recumbent, westward-verging 'backfolds' that are considered to be responsible for the major map-scale features in the property area. The fold axes trend north-westerly and that axial planes generally dip steeply to the northeast. A second cleavage is a non-penetrative crenulation that is indistinguishable from the older cleavage. At higher structural levels the rocks have either a crenulation or spaced-fracture cleavage. Some metamorphic mineral growth is evident with this deformation but the events are generally post-metamorphic. Late deformation with possibly two separate, possibly conjugate fold systems, is described by McMullin. The late deformation produced open small-scale buckles and warps. In one system upright axial planes of folds with poorly developed fracture cleavage trend north or northwest. The youngest fold axes trend north-eastward. The late deformation postdates peak metamorphism and some retrogression is evident.

Faulting of three types and discrete periods is evident: thrust faulting that coincides with accretion outlines the major crustal structures and defines the terrane and major map unit boundaries; high angle to listric normal faults that either follow the north-westerly trend of stratigraphic units or are transverse to them and strike easterly to north-easterly; and late strike-slip movements along the western terrane boundary and related extensional faulting within the associated transtensional basins.

The major, early low angle thrust fault in the property area is the Eureka thrust, a boundary fault between

the Crooked amphibolite of Quesnellia and the underlying rocks of Barkerville Subterrane. Brown and Rees (1981) and Rees (1987) refer to the Eureka thrust as the Quesnel Lake shear zone. Struik (1988a) also suggests that one and probably more thrusts are internally present in the Quesnel basal sedimentary unit. In the volcanic units low-angle faulting is difficult to document but evidence for it is available in a number of places. For example, during periods

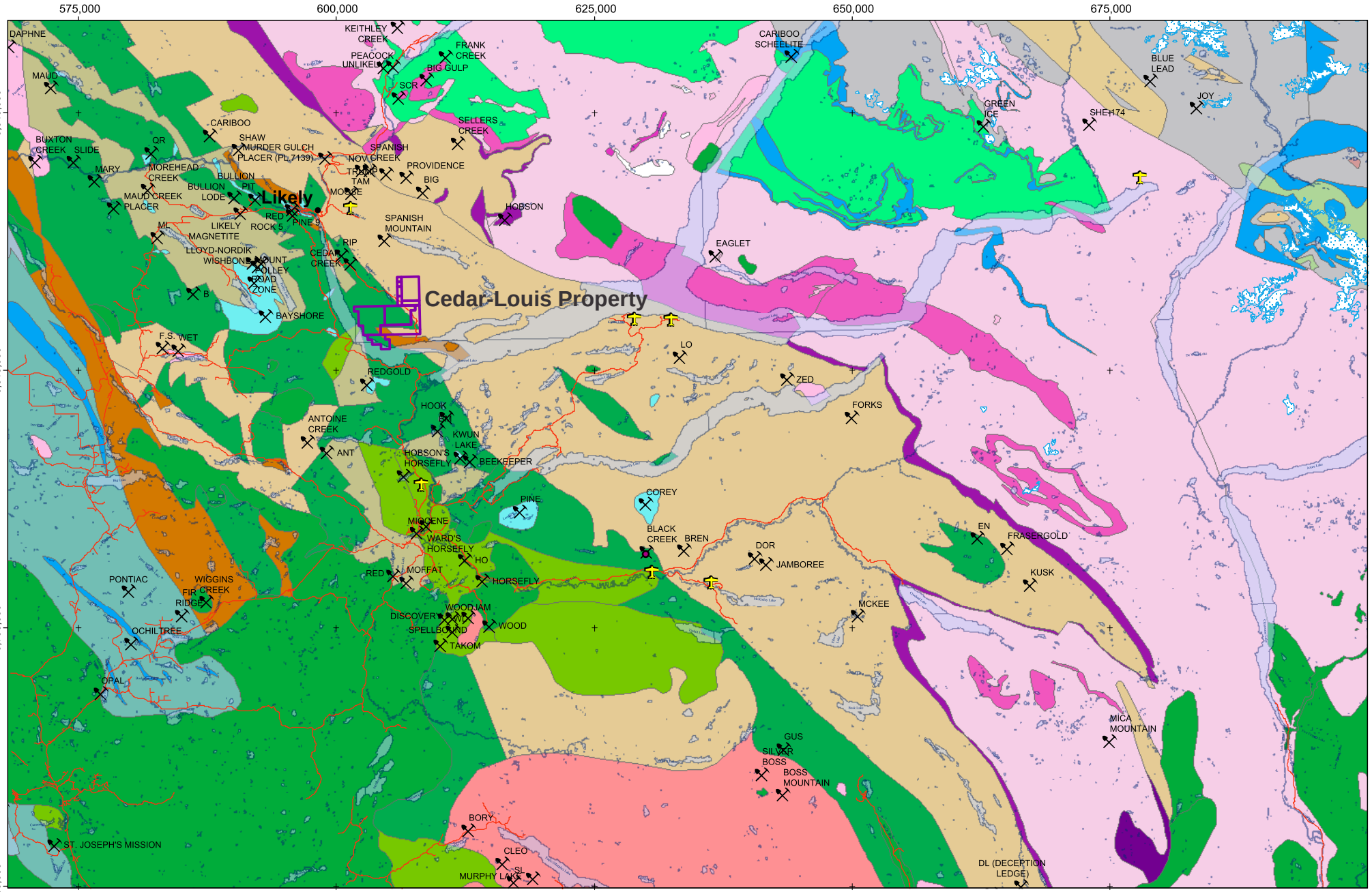

575,000
600,000
625,000
650,000
675,000
5,840,000
5,815,000
5,790,000
5,765,000
Cedar-Louis Property
Likely
DAPHNE
MAUD
KEITHLEY CREEK
PEACOCK UNLIKELY
FRANK CREEK
BIG GULP
SCR
CARIBOO SCHEELITE
BLUE LEAD
JOY
GREEN ICE
SHE174
CARIBOO
SHAW
MURDER GULCH PLACER (PL 7139)
SELLERS CREEK
BUXTON CREEK
SLIDE
QR
MARY
MOREHEAD CREEK
MAUD CREEK PLACER
BULLION
BULLION PIT
BULLION LODE
SPANISH
NOV CREEK
TRAPP
TAM
MOOSE
PROVIDENCE
BIG
HOBSON
EAGLET
RED
PINE 9
ROCK 5
LIKELY
ML
MAGNETITE
LLOYD-NORDIK
WISHBONE
MOUNT FOLLEY ROAD ZONE
SPANISH MOUNTAIN
RIP
CEDAR CREEK
B
BAYSHORE
F.S. WET
REDGOLD
LO
ZED
FORKS
HOOK
ANTOINE CREEK
ANT
KWUN LAKE
HOBSON'S HORSEFLY
BEEKEEPER
PINE
COREY
MIOCENE
WARD'S HORSEFLY
HO
BLACK CREEK
BREN
DOR
JAMBOREE
EN
FRASERGOLD
KUSK
MCKEE
RED
MOFFAT
HORSEFLY
PONTIAC
WIGGINS
FIR CREEK
RIDGE
WOODJAM
DISCOVERY
SPELLBOUND
WOOD
TAKOM
OCHILTREE
OPAL
MICA MOUNTAIN
GUS
SILVER BOSS
BOSS MOUNTAIN
BORY
CLEO
SI
MURPHY LAKE
ST. JOSEPH'S MISSION
DL (DECEPTION LEDGE)
Legend:
Communities
Runway
Mines
Mineral Occurences
Roads
Ice
Lakes/Ponds
Tiex Claims
Tiex Properties, BC, Canada.
N
W
E
S
Scale
0
5
10
15
20
25
km
TIEX INC
Regional Geology Map,
Tiex Property, British Columbia, Canada.
Date: 14/01/11
Scale: 1:500,000
Figure: 6-1
Projection: UTM, Nad83, Zone 10N.
Office/Author: Vancouver/gcn
Caracle Creek International Consulting Inc.
Geological & Geophysical Consultants

Figure 6-2. Map legend.

of low water flow in the Quesnel River near Likely, a flat lying, sinuous fault and 1-metre wide shear zone mark the contact between older hanging-wall basaltic rocks and footwall sedimentary rocks. Also at the QR deposit, 13 km northwest of Likely, one or more reverse fault structures are present and are cut by younger, steeply dipping normal faults.

North-easterly and north-westerly striking normal faults are rarely seen in outcrop but are interpreted from outcrop distribution and patterns of map units and their aeromagnetic expression (Panteleyev et al., 1996). A case for early, east-side-down, normal fault structures that trend along the axis of the volcanic belt has been made by Bailey (1978). The faults outline the trends and form contacts of many of the volcanic units and appear to have controlled the distribution of eruptive centres. Reactivation of these high-angle extensional faults postdates thrusting but is no later than Cretaceous as granitic rocks of this age do not appear to be cut by them.

A third set of faults is present as a number of major, strike-slip structures along the poorly exposed terrane boundary of the western Quesnel belt with Cache Creek rocks. Narrow belts of Middle Jurassic and younger clastic deposits are preserved along the fault zones. These faults are part of the Pinchi and Fraser fault systems; a subsidiary fault system along the Quesnel River, its location only inferred, is informally named the Quesnel fault. Extensional faulting in the Quesnel central volcanic belt during the mid-Tertiary is possibly also related to the large scale strike-slip faulting. The structural extension has produced a number of small, north to north-westerly trending grabens that are probably transtensional basins. They were sites of Eocene sedimentation and volcanism.

Fractures, many filled with quartz, are common features at all scales in the Eureka Peak and Spanish Lake areas. Some quartz veins are deformed and others are not, indicating that fracturing occurred throughout the deformational history. It is likely that veins formed as part of a continuum during the evolution in structural development. The quartz veins most commonly vary from 1 to 20 mm in width and tens of cm in length but can be up to a metre wide and several m long. Small, early quartz veins outline rootless isoclinal folds, the limbs of which have been removed, probably as a result of pressure solution along the cleavage surfaces. Extensional, quartz-filled fractures and dilations oriented at low angles to bedding and cleavage, as well as sigmoidal fractures perpendicular to fold axes, occurs predominantly in the metasedimentary successions.

Un-deformed, spaced fractures are developed in all rock types throughout the region. Spacing of fractures varies from 1 to 100 cm and varies in rocks of different competency. Open joints have also been recognized throughout the area. They are oriented perpendicular to the fold axis and axial plane of the

mesoscopic folds and dip steeply to the north and south.

Metamorphic grade of the rocks of the central Quesnel belt is, for the most part, sub-greenschist facies. Read et al., (1991) assigns the rocks to mainly the prehnite-pumpellyite zone. Prehnite has been infrequently noted but the volcanic rocks are characterized by the widespread occurrence of zeolite mineral assemblages, typical of burial metamorphic conditions. Sedimentary rocks are metamorphosed to greenschist facies in the easternmost part of the property area. The higher grade in the eastern part of the belt is attributed to crustal thickening caused by thrusting of Quesnellia over the Omineca Belt and to subsequent deformation at the Barkerville-Quesnellia contact.

6.2 Property Geology

The Cedar-Louis Property was not geologically mapped during the current program but it has been mapped by the British Columbia Geological Survey (Bloodgood, 1990, and Panteleyev et al., 1996). The Property is primarily underlain by one fundamental element of the Quesnel Terrane - a basal, Middle to Late Triassic fine grained sedimentary unit (Nicola Group) that represents a basin-fill succession and commonly referred to as the 'black phyllite unit'. The claims are completely underlain by a sub-unit of the Nicola Group termed the “Banded slate and tuff” and Nicola Group basaltic rocks.

Banded slate and tuff: This is the uppermost phyllitic unit in the metasedimentary succession and contains a significant volcanic component. Where volcanic rocks or their eroded products are the dominant lithology, the successions are included in the volcanic and epiclastic rocks unit. The contact with the underlying rocks, at least locally in the area north of Quesnel Lake, is interpreted to be a fault. In the Eureka Peak - Horsefly River area, and probably generally throughout the belt, there is a progressive increase in volcanic components at higher stratigraphic levels in this unit. Dark green to black phyllite with interbedded grey to green tuffs comprise the lowermost 50 m of the succession. Siliceous, banded aquagene tuff become more abundant stratigraphically upwards and are interbedded with grey to black banded slates, massive pale quartz sandstone and minor limestone. The uppermost part of the unit consists of fissile graphitic phyllite interbedded with tuff, and minor quartzose sandstone beds. The phyllite within this section is recessive, black and sooty in outcrop. Locally they are strongly silicified, but throughout the region they are typically rusty weathering and pyritiferous. North of Quesnel Lake, in the Spanish Lake area, black slaty to phyllitic, rusty weathering metasediments are interbedded with gritty, dark brown to black weathering grey limestone.

The volcanic component includes discontinuous lenses of banded tuff, volcanic conglomerate, flow

breccia, pillow lava and a few dikes. The banded tuffs in the Spanish Lake area are lithologically identical to the banded aquagene tuffs in the Eureka Peak area but the Spanish Lake succession also includes volcanic conglomerate, breccia and flows as discontinuous lenses up to several km in strike length. The volcanic rocks appear to be identical to the pyroxene-bearing flows of the overlying, volcanic unit in the Eureka Peak area and in the main Quesnel volcanic belt to the south and west.

A durable blanket of one or more tills, local ablation moraine and widespread glaciofluvial deposits with an extensive thin cover of colluvium and other overburden is present throughout much of the property area. Drumlins and crag-and-tail features that indicate north-westerly ice-flow directions are common on the plateau. Glaciofluvial deposits and some thick accumulations of glacial silt are found in the major valleys occupied by the Horsefly and Quesnel Rivers.

7.0 DEPOSIT TYPE

The “Deposit Type” section presented here is taken from a NI 43-101 report written for Tiex Inc. and Bullion Gold Corp. by G. Owsiacki (2007).

The Quesnel Terrane in the area of the Spanish Lake Property is a well mineralized region that hosts a wide variety of deposit types. The principal recent exploration and economic development targets on the property are gold-bearing quartz veins and gold-silver bearing stratabound zones of quartz and carbonate-altered quartz-veined phyllite that occur in the basal, black phyllite metasedimentary succession of the Nicola Group (e.g. Spanish Mountain, Frasergold, Kusk). The mineralization in some black phyllite members have potential to be mined as large, bulk-tonnage deposits.

The **Spanish Mountain** deposit is not part of the Spanish Lake Property but occurs central to and adjoins the claim holdings and provides an excellent example of the current exploration focus for a large, bulk-tonnage gold deposit, possibly amenable to open-pit mining methods. Quartz veins containing gold and minor base metals occur to the southwest of Spanish Lake, about 7 km southeast of Likely, in the basal phyllite unit. The main lithologies in the area are phyllitic to massive siltstones and interbedded tuffs. Much of the area is affected by pervasive carbonate-silica replacements and listwanite (green mica-quartzcarbonate) alteration associated with quartz veins or fractures. In the more intensely altered zones there are quartz stockworks and larger veins, a number of which define a consistent northeast to east trend. Gold occurs in the quartz veins which range in thickness from 0.01 to 4 m, dip steeply and trend to the northeast. The veins are typically crystalline to vuggy quartz with lesser carbonate intergrowths and associated minor galena, chalcopyrite, pyrite and sphalerite. Gold is frequently visible as fine particles

rimming cavities or as wires where sulphide minerals are oxidized. The fracture-controlled style of the mineralization suggests that the veins and stockwork postdate metamorphism and deformation. The deposit is located on the northeast limb of a northwest-trending anticline that is cut by numerous north-westerly trending, syn-deformational thrust faults. The lithologic units and northwest trending structures are crosscut by a series of prominent northeast to east-trending normal faults. These crosscutting structures and faults control the mineralization.

In 2010, Spanish Mountain Gold Ltd. completed a Preliminary Economic Assessment on the Spanish Mountain Property. The report concluded that an inferred resource of 2.19 Moz of Au at a grade of 0.40 g/t Au (at a 0.20 g/t Au cut-off) and the company is currently proceeding with mine permitting and development (Spanish Mountain Gold Ltd. PEA Report - http://www.spanishmountaingold.com/i/pdf/2010-12-20_SpMtn_NI43-101.pdf).

8.0 MINERALIZATION

To date, no known bedrock mineralization has been identified on the Property.

9.0 EXPLORATION

In 2011, Bullion conducted a soil survey over the northern portion of its Cedar-Louis Property totalling 545 samples of which 21 are duplicate samples taken for quality control. The survey was intended to test for possible stratabound gold mineralization style mineralization similar to the Spanish Mountain deposit in an area predominantly covered with glaciofluvial sediments. Appendix 1 contains a list of the 245 soil samples collected by Bullion from 2009 with the locations, selected analytical results and response ratios.

9.1 Sample Collection

The soil survey collected samples at ~ 50 m spacing along grid lines. The sampling procedure was to first remove the organic material from the sample site (A0 layer) with a mattocks until the B-horizon was reached just below the organic layer. Generally, samples are collected from 20-30 cm depth but in low-lying area with abundant peat and organic material holes up to 1 m needed to be excavated and locally no sample was collected due to excessive organic material. About 250 grams of sample material was collected and then placed into a Kraft paper sample bag with the sample number written on it and a sample tag placed inside. At each sample site, the GPS location of the sample was recorded along with a

summary description of the material collected and the sample site. The samples were then packaged and sent to Acme Analytical Laboratories located in Vancouver, BC.

9.2 Analytical Methods

Soil samples were prepared prior to analyzing by drying then sieving with a -200 mesh sieve. The -200 mesh fraction was then analyzed for 36 elements by ICP-MS after an aqua-regia digestion (1DX package) by Acme Analytical Laboratories.

9.3 Soil Survey Results

In small surveys the background values and those considered anomalous (>90 percentile) are heavily biased to the specific area, therefore every soil survey will have 10% samples that are "anomalously" high with respect to background samples. As Bullion collected 1785 soil samples in 2011 on its various properties in the Horsefly and Likely area and the samples have all been collected in virtually the same geological setting (the Nicola Group sedimentary and volcanic rocks) all of the samples collected are used here in the statistical analysis and to determine anomalies.

Table 9-1 is a summary statistical analysis of 7 selected elements from the data collected by Bullion in the region and Table 9-2 is a correlation matrix of these elements. As gold is the primary focus of exploration on this Property, gold and elements that correlate with it are the primary concern. The only elements which positively correlate with gold are copper and arsenic. A plot of the anomalous, >90th percentile, arsenic in soil shows that it envelops the anomalous gold in soil samples (Figure 9-1). The most striking feature of the combined arsenic and gold anomalous soil samples is that they parallel the NW trend of the Nicola stratigraphy and the largest of the anomalies on the Property occur at the contact between the sedimentary and volcanic rocks.

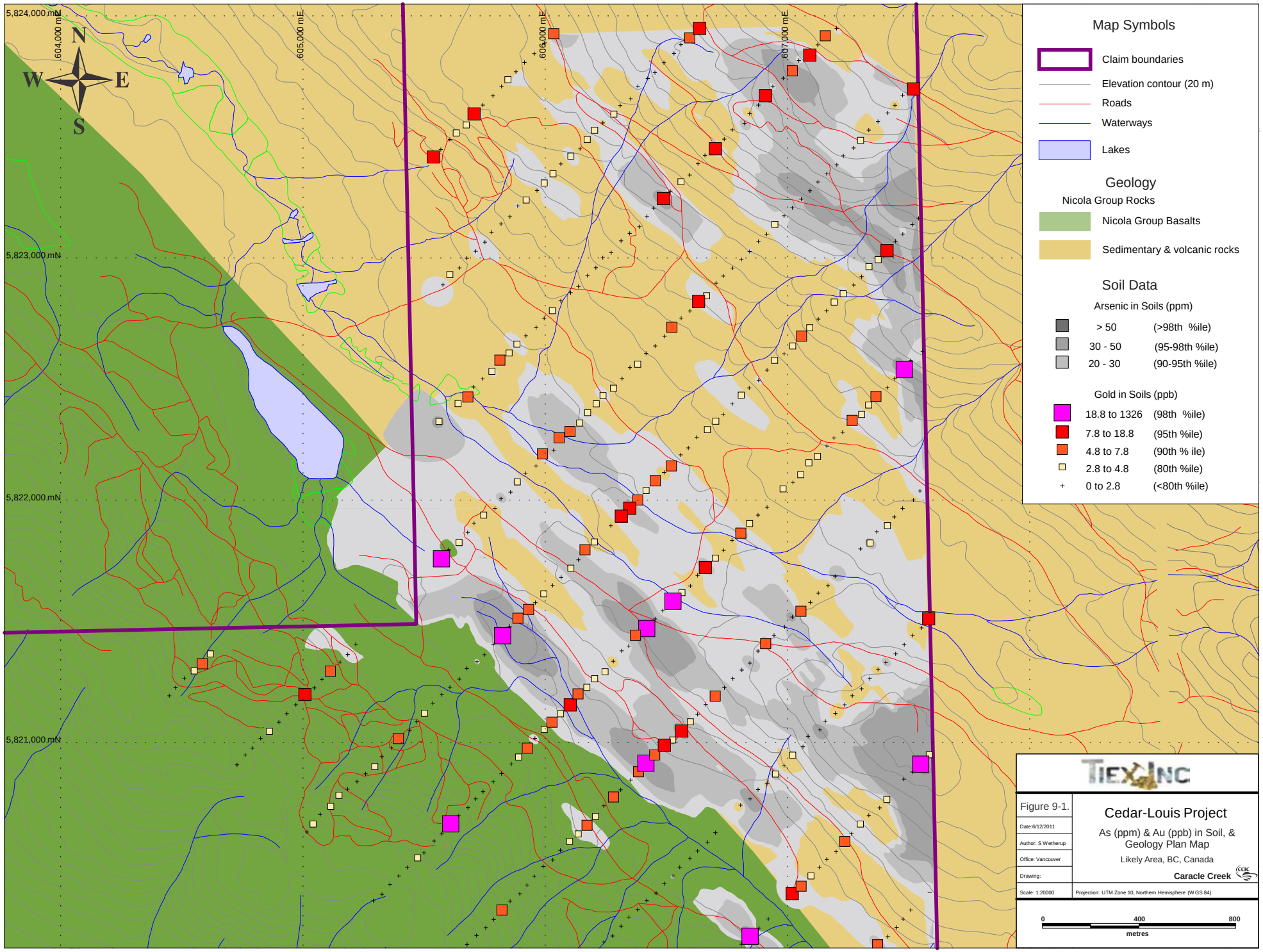
Table 9-1. Summary statistics for selected elements for the entire Bullion soil database collected in 2011.

Field	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppb)
Count_n	1784	1784	1784	1784	1784	1784	1784
Minimum	0.05	1.6	0.7	3	0.05	0.25	0.25
Maximum	192.5	1121.3	64.7	2111	6.2	643.6	1325.3
Mean	2.82	44.75	7.81	100.59	0.43	10.43	4.58
Median	1.3	31.45	6.75	82	0.2	4.7	1
Range	192.45	1119.7	64	2108	6.15	643.35	1325.05
RMS	7.88	68.95	9.06	137.62	0.71	27.52	43.72
Variance	54.21	2752.87	21.09	8827.29	0.33	649.01	1891.82
Std. Dev.	7.36	52.47	4.59	93.95	0.57	25.48	43.50
Kurtosis	337.48	126.72	33.14	144.73	26.47	303.77	603.22

50th %ile	1.3	31.45	6.75	82	0.2	4.7	1
75th %ile	2.5	53.93	8.8	116	0.5	11	2.3
90th %ile	5.8	89.74	12.3	172	0.9	21.87	4.7
95th %ile	9	120.17	15.4	215	1.3	33.125	7.785
98th %ile	15.93	174.10	19.73	280.36	2.30	50.16	18.47

Table 9-2. Correlation table of selected elements from 2011 soil data.

	Mo (ppm)	**Cu (ppm)**	**Pb (ppm)**	**Zn (ppm)**	**Ag (ppm)**	**As (ppm)**	**Au (ppb)**
Mo (ppm)	1.000						
Cu (ppm)	0.113	1.000					
Pb (ppm)	0.466	0.275	1.000				
Zn (ppm)	0.645	0.185	0.471	1.000			
Ag (ppm)	0.237	0.349	0.471	0.299	1.000		
As (ppm)	0.058	0.188	0.306	0.142	0.130	1.000	
Au (ppb)	-0.011	0.019	-0.013	-0.002	0.011	0.019	1.000


5,824,000 mN
5,823,000 mN
5,822,000 mN
5,821,000 mN
604,000 mE
605,000 mE
606,000 mE
607,000 mE
N
W
E
S
Map Symbols
Claim boundaries
Elevation contour (20 m)
Roads
Waterways
Lakes
Geology
Nicola Group Rocks
Nicola Group Basalts
Sedimentary & volcanic rocks
Soil Data
Arsenic in Soils (ppm)
> 50 (>98th %ile)
30 - 50 (95-98th %ile)
20 - 30 (90-95th %ile)
Gold in Soils (ppb)
18.8 to 1326 (98th %ile)
7.8 to 18.8 (95th %ile)
4.8 to 7.8 (90th % ile)
2.8 to 4.8 (80th %ile)
0 to 2.8 (<80th %ile)
TIEX INC
Figure 9-1.
Cedar-Louis Project
As (ppm) & Au (ppb) in Soil, & Geology Plan Map
Likely Area, BC, Canada
Caracle Creek
Date:6/12/2011
Author: S Wetherup
Office: Vancouver
Drawing:
Scale: 1:20000
Projection: UTM Zone 10, Northern Hemisphere (WGS 84)
0
400
800
metres

10.0 CONCLUSIONS

The purpose of the geochemical soil survey was to assess the Cedar-Louis Property for gold mineralization similar to that observed on the adjacent Spanish Mountain Property. The results from this survey appear to show anomalous gold and arsenic in soils which are elongate in the northwest direction, parallel to the bedding of the Nicola Group sedimentary and volcanic rocks. The strongest anomaly occurs at the contact between sedimentary and volcanic rocks in the south central portion of the survey area.

It is recommended to follow-up this survey with geological and structural mapping as well as geochemical rock sampling. This program could also be improved with a detailed airborne DIGHEM and magnetic survey. The focus of this follow-up program would be to identify NW trending structures which may contain gold or alteration which may require drill testing.

11.0 EXPLORATION EXPENDITURES

These expenditures cover the costs of field work, assays, interpretation and report writing for SOW #4999687.

Table 11-1. Summary of exploration expenses.

Exploration Work type	Company/Personnel	No.		Amt	Units	Rate per Unit	Totals
Sample Collection							
Field Labour	M. Patenaude (Sept 6 to 18, 2011)	1	x	13.0	days	$350.00	$4,550.00
Field Labour	M. King (Sept 6 to 18, 2011)	1	x	13.0	days	$350.00	$4,550.00
Field Labour	Ronan Geoghegan (Sept 6 to 18, 2011)	1	x	13.0	days	$350.00	$4,550.00
Field Expenses							
Accom. and Board	High Country Inn	3	x	13.0	days	$80.00	$3,120.00
Truck rental (2 trucks)	Driving Force	2	x	13.0	days	$96.00	$2,496.00
Fuel							$1,002.51
ATV Rental	Caracle Creek	2	x	13.0	days	$78.00	$2,028.00
Chainsaw rental	Caracle Creek	1	x	1.0	days	$30.00	$30.00
Analyses							
Soil analyses	Acme Labs			545.0	samples	$17.44	$9,504.18
Report Writing							
Writing (S. Wetherup)				4.0	days	$1,100.00	$4,400.00
Map production (G. Nixon)				1.5	days	$660.00	$990.00
							$37,220.69

12.0 STATEMENT OF AUTHORSHIP

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CERTIFICATE OF AUTHOR

I, Stephen Wetherup, do hereby certify that,

1. I am a graduate of the University of Manitoba with a B.Sc. Honours in Geology.

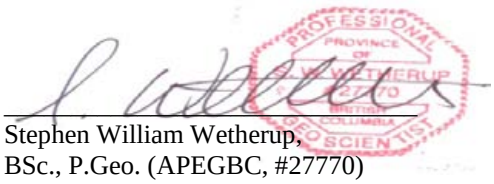
2. I am a member of the Association of Association of Professional Engineers and Geoscientists of British Columbia (APEGBC, #27770) and Association of Professional Geoscientists of Ontario, (APGO#1705). I am a member of the Society of Economic Geologists and the Vancouver Mining Exploration Group.

3. I have been operating a business as a geological consultant under my own name since June, 2001, and under the name of Caracle Creek International Consulting Inc. since March, 2004.

4. I am not aware of any material fact or material change with respect to the subject matter of the Report that is not reflected in the Report, the omission to disclose which makes the Report misleading.

5. I am responsible for the preparation of the Report titled "Assessment Report: Geochemical Soil Sampling, Cedar-Louis Property, Cariboo Mining Division, British Columbia", (the "Report"), dated January 15th, 2012.

Dated this 15th Day of January, 2012.



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APPENDIX 1

Soil Sample Locations and Results

Appendix 1

Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1356395	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607541	5823163	8-Sep-11	van11004668	44.1	5.4	75	0.3	196.1	0.6
1356396	Soil	Valley bottom	Mixed forest	Dry	Rocky (angular)	10	Light brown	607515	5823138	8-Sep-11	van11004668	19.7	6.9	77	0.2	16.2	0.9
1356397	Soil	Steep slope	Mixed forest	Dry	Peat	10	Light brown	607476	5823099	8-Sep-11	van11004668	47.2	7.7	116	0.1	25.8	<0.5
1356551	Soil	Hill top	Mixed forest	Moist	Clay	30	Dark grey	606773	5822958	7-Sep-11	VAN11004932	97.7	9.4	109	1.4	18.7	1.1
1356552	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Light brown	606735	5822926	7-Sep-11	VAN11004932	43.6	7.4	83	0.1	16.3	<0.5
1356553	Dup	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606704	5822896	7-Sep-11	VAN11004932	29.1	6.8	94	0.1	12.9	<0.5
1356554	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606704	5822896	7-Sep-11	VAN11004932	34.6	6.7	95	0.1	14.6	<0.5
1356555	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606881	5822495	7-Sep-11	VAN11004932	58.2	7.4	96	0.2	21.6	2.4
1356556	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Light brown	606842	5822463	7-Sep-11	VAN11004932	18.6	6.4	101	0.1	9.6	<0.5
1356557	Soil	Flat	Mixed forest	Moist	Clay	10	Light brown	606809	5822434	7-Sep-11	VAN11004932	109	9.6	175	0.7	24.4	4.6
1356558	Soil	Flat	Mixed forest	Moist	Rocky (angular)	10	Dark brown	606772	5822398	7-Sep-11	VAN11004932	96.4	11.4	136	1.2	29.7	1.6
1356559	Soil	Flat	Mixed forest	Dry	Clay	10	Light brown	606734	5822354	7-Sep-11	VAN11004932	29.1	5.2	76	<0.1	9.5	1.2
1356560	Soil	Flat	Mixed forest	Dry	Clay	10	Light brown	606704	5822326	7-Sep-11	VAN11004932	55.2	6	91	0.2	9.8	2.8
1356561	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606670	5822292	7-Sep-11	VAN11004932	25.3	5.4	75	<0.1	11.3	3.2
1356562	Soil	Gentle slope	Coniferous forest	Dry	Clay	20	Light brown	606625	5822260	7-Sep-11	VAN11004932	15.1	5.2	114	0.1	7	0.6
1356563	Soil	Flat	Coniferous forest	Dry	Clay	20	Light brown	606590	5822216	7-Sep-11	VAN11004932	26.7	4.8	92	0.2	7.8	1.8
1356564	Soil	Flat	Mixed forest	Dry	Sandy	10	Dark brown	606559	5822187	7-Sep-11	VAN11004932	114	9.6	194	0.4	18.6	2.3
1356565	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Dark brown	606520	5822142	7-Sep-11	VAN11004932	132.8	13.8	132	1.2	30.1	6.9
1356566	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Light brown	606491	5822115	7-Sep-11	VAN11004932	31.3	5.8	105	0.2	13	1.8
1356567	Soil	Flat	Mixed forest	Moist	Clay	20	Dark brown	606454	5822080	7-Sep-11	VAN11004932	204.2	12.1	165	2	25	5
1356568	Soil	Flat	Mixed forest	Moist	Clay	20	Dark grey	606417	5822040	7-Sep-11	VAN11004932	112.7	9.9	125	0.5	21	3.4
1356569	Soil	Flat	Mixed forest	Moist	Clay	40	Dark grey	606381	5822001	7-Sep-11	VAN11004932	144.8	8.4	138	1.1	20.9	6.5
1356570	Soil	Depression	Mixed forest	Moist	Clay	40	Dark grey	606349	5821966	7-Sep-11	VAN11004932	92.7	11.2	114	0.8	42.1	10.3
1356571	Soil	Gentle slope	Mixed forest	Wet	Clay	40	Dark grey	606314	5821935	7-Sep-11	VAN11004932	74	9.8	111	0.6	23.3	9.4
1356572	Soil	Flat	Mixed forest	Wet	Clay	40	Dark grey	606271	5821894	7-Sep-11	VAN11004932	19.4	2.2	15	0.2	15.7	1.1
1356573	Soil	Depression	Mixed forest	Moist	Peat	40	Dark brown	606203	5821828	7-Sep-11	VAN11004932	43.7	4.8	46	1.2	10.6	4.3
1356574	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Dark brown	606164	5821796	7-Sep-11	VAN11004932	39.5	6.3	74	0.3	26.2	7.7
1356575	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Light brown	606137	5821754	7-Sep-11	VAN11004932	23.5	5.5	72	0.3	35.6	2.2
1356576	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607558	5822615	7-Sep-11	VAN11004932	46.7	9.3	217	0.3	18.6	1.6
1356577	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607509	5822577	7-Sep-11	VAN11004932	26.8	7.1	109	0.2	17	2.5
1356578	Soil	Valley bottom	Mixed forest	Dry	Rocky (angular)	10	Light brown	607482	5822539	7-Sep-11	VAN11004932	147.9	12.3	187	0.4	105.3	28.6
1356579	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607443	5822502	7-Sep-11	VAN11004932	13.6	6.6	78	<0.1	8.5	1.9
1356580	Soil	Steep slope	Mixed forest	Dry	Clay	10	Light brown	607412	5822465	7-Sep-11	VAN11004932	7.4	5.6	84	0.2	5.2	1.9
1356581	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Orange	607365	5822429	7-Sep-11	VAN11004932	74.9	12.7	255	0.9	20.3	4.8
1356582	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607334	5822393	7-Sep-11	VAN11004932	34.9	6.2	69	0.1	15.3	2.8
1356583	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607306	5822354	7-Sep-11	VAN11004932	65.4	9	85	0.5	21.6	3.6
1356584	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607267	5822330	7-Sep-11	VAN11004932	71.3	8.1	89	0.5	23.4	5.1
1356585	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607227	5822280	7-Sep-11	VAN11004932	51	5.9	85	0.1	12.4	2.3
1356586	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	607191	5822256	7-Sep-11	VAN11004932	42.1	6.7	91	0.3	13.9	2.2
1356587	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607446	5823070	8-Sep-11	VAN11004932	137.2	11.3	126	0.9	53	2.3
1356588	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607411	5823030	8-Sep-11	VAN11004932	90.1	12.2	99	0.3	75.6	9.2
1356589	Soil	Steep slope	Mixed forest	Dry	Sandy	10	Light brown	607374	5822993	8-Sep-11	VAN11004932	101.5	9.4	114	0.2	49	3
1356590	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607337	5822964	8-Sep-11	VAN11004932	61.1	9.7	89	0.3	27.8	4.1
1356591	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607306	5822923	8-Sep-11	VAN11004932	13.6	7	70	0.1	16.4	<0.5

Appendix 1

Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1356592	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607274	5822889	8-Sep-11	VAN11004932	21.8	6.2	100	0.2	12.4	1.4
1356593	Soil	Steep slope	Mixed forest	Dry	Sandy	10	Light brown	607230	5822853	8-Sep-11	VAN11004932	47.4	8.3	114	0.3	23.4	4.5
1356594	Soil	Hill top	Mixed forest	Moist	Sandy	10	Light brown	607193	5822818	8-Sep-11	VAN11004932	26.5	5	134	0.3	8.7	3.1
1356595	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607161	5822783	8-Sep-11	VAN11004932	22	6.4	88	0.2	11	<0.5
1356596	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	607128	5822748	8-Sep-11	VAN11004932	30	7.1	174	0.5	13.1	0.5
1356597	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Dark brown	607092	5822712	8-Sep-11	VAN11004932	42.5	8.3	104	0.3	15.4	3
1356598	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Grey	607058	5822677	8-Sep-11	VAN11004932	26.4	5.9	62	<0.1	11.8	5
1356599	Soil	Steep slope	Mixed forest	Moist	Clay	20	Dark grey	607021	5822637	8-Sep-11	VAN11004932	39.8	6.9	65	0.3	17.4	3
1356600	Soil	Gentle slope	Mixed forest	Dry	Clay	20	Light brown	606986	5822605	8-Sep-11	VAN11004932	37.8	8.7	78	0.5	13.5	<0.5
1356601	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Dark grey	606561	5822752	6-Sep-11	VAN11004669	67.4	7	91	0.4	18.2	1.8
1356602	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Dark grey	606523	5822713	6-Sep-11	VAN11004669	31.9	6.5	89	0.3	15.4	6.7
1356603	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Dark grey	606492	5822677	6-Sep-11	VAN11004669	87	7.3	101	0.9	18.4	1.4
1356604	Soil	Gentle slope	Creek bottom	Moist	Rocky (angular)	20	Dark grey	606453	5822637	6-Sep-11	VAN11004669	47.5	5.8	59	0.4	14	0.7
1356605	Soil	Gentle slope	Mixed forest	Dry	Peat	30	Dark brown	606416	5822606	6-Sep-11	VAN11004669	48.7	4.2	69	0.5	8.9	<0.5
1356606	Soil	Gentle slope	Mixed forest	Moist	Peat	20	Dark grey	606381	5822562	6-Sep-11	VAN11004669	88.3	7.4	133	1.1	14.6	3.6
1356607	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606349	5822548	6-Sep-11	VAN11004669	74.2	7.9	211	0.8	14.3	0.7
1356608	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606317	5822503	6-Sep-11	VAN11004669	53.4	7.9	112	0.4	16	1.3
1356609	Soil	Gentle slope	Mixed forest	Dry	Peat	30	Dark brown	606281	5822463	6-Sep-11	VAN11004669	186.3	7.2	102	1.8	16.4	3.7
1356610	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606239	5822432	6-Sep-11	VAN11004669	70.1	6.9	81	0.2	21.9	3.3
1356611	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606210	5822398	6-Sep-11	VAN11004669	74.6	7.8	124	0.4	15.1	3.2
1356612	Soil	Flat	Mixed forest	Wet	Clay	20	Grey	606175	5822362	6-Sep-11	VAN11004669	94	6.1	76	0.5	18	3.1
1356613	Soil	Depression	Mixed forest	Moist	Clay	30	Dark grey	606142	5822318	6-Sep-11	VAN11004669	110.2	8	77	1.1	33.4	3.7
1356614	Soil	Depression	Mixed forest	Wet	Clay	10	Dark grey	606102	5822284	6-Sep-11	VAN11004669	90.5	12.3	102	0.8	47.8	6.5
1356615	Soil	Depression	Mixed forest	Moist	Clay	10	Dark grey	606058	5822258	6-Sep-11	VAN11004669	86.2	11.5	103	0.7	38.2	5.9
1356616	Soil	Flat	Mixed forest	Moist	Clay	30	Light brown	606034	5822206	6-Sep-11	VAN11004669	56.9	8.2	121	0.3	32.5	1.7
1356617	Soil	Flat	Mixed forest	Moist	Clay	30	Dark brown	605989	5822192	6-Sep-11	VAN11004669	62	7.8	84	0.4	26.6	4.8
1356618	Soil	Flat	Mixed forest	Dry	Rocky (angular)	20	Grey	605962	5822142	6-Sep-11	VAN11004669	23.8	4.6	75	0.3	7.6	1.4
1356619	Soil	Flat	Mixed forest	Moist	Peat	30	Dark brown	605919	5822112	6-Sep-11	VAN11004669	24.5	5.2	27	0.3	4.3	0.8
1356620	Soil	Flat	Mixed forest	Dry	Rocky (angular)	20	Dark brown	605885	5822075	6-Sep-11	VAN11004669	106.6	9.1	124	2.6	33.5	3.7
1356621	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Light brown	605856	5822034	6-Sep-11	VAN11004669	30.2	4.6	49	0.2	20.3	2
1356622	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	605818	5822006	6-Sep-11	VAN11004669	23.2	5.3	58	0.4	34.8	1.8
1356623	Soil	Flat	Mixed forest	Dry	Sandy	10	Light brown	605792	5821967	6-Sep-11	VAN11004669	14.2	5	45	0.3	14.5	1.1
1356624	Soil	Flat	Mixed forest	Moist	Peat	20	Dark brown	605746	5821939	6-Sep-11	VAN11004669	47.1	7	48	1	14.8	3
1356625	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Light brown	605706	5821905	6-Sep-11	VAN11004669	13.7	4.4	62	0.2	12.5	1
1356626	Soil	Gentle slope	Mixed forest	Dry	Sandy	20	Light brown	605680	5821866	6-Sep-11	VAN11004669	25.1	6.2	82	0.2	24.9	0.9
1356627	Soil	Flat	Mixed forest	Dry	Sandy	10	Light brown	605644	5821825	6-Sep-11	VAN11004669	31.2	6.3	82	0.2	21.6	3.8
1356628	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Dark grey	605602	5821796	6-Sep-11	VAN11004669	18.2	5	52	0.2	14.5	0.6
1356629	Soil	Flat	Mixed forest	Dry	Clay	20	Light brown	605572	5821758	6-Sep-11	VAN11004669	20.4	5.5	45	0.3	22.9	25.2
1356630	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607521	5823698	7-Sep-11	VAN11004669	260.5	43.2	217	0.3	72.1	8.9
1356631	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Olive	607475	5823672	7-Sep-11	VAN11004669	34.2	14.6	83	0.6	18.3	<0.5
1356632	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607444	5823630	7-Sep-11	VAN11004669	40.3	12.5	118	0.3	15.8	0.7
1356633	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607413	5823599	7-Sep-11	VAN11004669	44.8	13.6	90	0.4	22.1	2.6
1356634	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607374	5823563	7-Sep-11	VAN11004669	53.5	8.9	111	0.9	20	1.8
1356635	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607336	5823528	7-Sep-11	VAN11004669	15.3	6.1	71	0.3	10.7	<0.5

Appendix 1

Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1356636	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Dark brown	607301	5823486	7-Sep-11	VAN11004669	54.7	10.2	118	1.1	22.2	3.9
1356637	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	607273	5823455	7-Sep-11	VAN11004669	27.5	6.9	88	0.3	17.8	<0.5
1356638	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607230	5823422	7-Sep-11	VAN11004669	20.6	7.5	57	0.1	24.8	<0.5
1356639	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607203	5823385	7-Sep-11	VAN11004669	36.2	7.4	143	0.2	28.7	<0.5
1356640	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607162	5823348	7-Sep-11	VAN11004669	82	10.2	116	0.7	43.7	2.6
1356641	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607125	5823314	7-Sep-11	VAN11004669	69	10.8	174	0.3	28.9	<0.5
1356642	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607093	5823278	7-Sep-11	VAN11004669	16.4	6.6	110	0.2	69.7	<0.5
1356643	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607057	5823243	7-Sep-11	VAN11004669	39.3	6.5	66	0.2	46.6	<0.5
1356644	Soil	Steep slope	Mixed forest	Moist	Rocky (angular)	20	Dark brown	607020	5823207	7-Sep-11	VAN11004669	66.9	9.5	78	0.3	45.9	<0.5
1356645	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606986	5823174	7-Sep-11	VAN11004669	46.4	11.9	135	0.2	23.8	<0.5
1356646	Soil	Steep slope	Creek bottom	Dry	Rocky (angular)	10	Light brown	606947	5823138	7-Sep-11	VAN11004669	76.9	11.1	127	0.3	31	4.2
1356647	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606914	5823098	7-Sep-11	VAN11004669	23.5	6.7	140	0.1	16.6	<0.5
1356648	Soil	Steep slope	Mixed forest	Moist	Rocky (angular)	20	Dark brown	606880	5823069	7-Sep-11	VAN11004669	19.1	5.7	115	0.2	11.4	<0.5
1356649	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	606844	5823027	7-Sep-11	VAN11004669	27	6.8	122	0.2	21	0.8
1356650	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	20	Light brown	606810	5822994	7-Sep-11	VAN11004669	15.3	7.8	127	0.4	7.8	0.8
1356651	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Light brown	606947	5822578	8-Sep-11	VAN11004932	54.3	7.7	100	0.4	13.9	3.3
1356652	Soil	Gentle slope	Mixed forest	Dry	Gravel (rounded)	10	Light brown	606916	5822537	8-Sep-11	VAN11004932	36.7	6.8	165	0.5	11.8	0.6
1356653	Soil	Flat	Coniferous forest	Dry	Sandy	10	Dark brown	607163	5822224	9-Sep-11	VAN11004932	85.6	11.3	132	0.8	19.9	<0.5
1356654	Soil	Flat	Mixed forest	Dry	Sandy	10	Dark brown	607124	5822180	9-Sep-11	VAN11004932	68.7	9.5	101	0.4	17.6	3.6
1356655	Soil	Flat	Coniferous forest	Moist	Clay	30	Light brown	607089	5822155	9-Sep-11	VAN11004932	46.4	5.3	58	0.5	13.7	3.4
1356656	Soil	Flat	Coniferous forest	Moist	Clay	20	Light brown	607054	5822105	9-Sep-11	VAN11004932	54.2	7	110	0.3	13	3
1356657	Soil	Flat	Coniferous forest	Moist	Rocky (angular)	20	Light brown	607023	5822073	9-Sep-11	VAN11004932	47.1	7	145	0.3	9.6	2.3
1356658	Soil	Flat	Coniferous forest	Moist	Clay	30	Grey	606981	5822047	9-Sep-11	VAN11004932	91.6	7.8	103	0.3	14.9	4.6
1356659	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606916	5821970	9-Sep-11	VAN11004932	30.8	5.2	101	0.2	8.9	0.9
1356660	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	30	Light brown	606879	5821939	9-Sep-11	VAN11004932	12.6	4.9	40	<0.1	6.9	1.6
1356661	Soil	Flat	Coniferous forest	Moist	Rocky (angular)	20	Light brown	606844	5821904	9-Sep-11	VAN11004932	36.6	5.2	63	0.2	9.1	3.5
1356662	Soil	Flat	Coniferous forest	Moist	Clay	30	Dark grey	606807	5821864	9-Sep-11	VAN11004932	149.1	14.1	138	0.6	39.8	6
1356663	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Light brown	606771	5821834	9-Sep-11	VAN11004932	24.9	5.9	67	0.1	13.3	<0.5
1356664	Soil	Flat	Mixed forest	Dry	Sandy	10	Light brown	606736	5821793	9-Sep-11	VAN11004932	27.2	5.8	80	0.2	15.1	1.4
1356665	Soil	Flat	Coniferous forest	Dry	Sandy	20	Dark grey	606702	5821761	9-Sep-11	VAN11004932	70.1	8.3	90	0.4	17.2	4.4
1356666	Soil	Flat	Coniferous forest	Moist	Clay	30	Dark grey	606661	5821722	9-Sep-11	VAN11004932	318.5	10.2	115	2	41.6	8.4
1356667	Soil	Flat	Coniferous forest	Dry	Rocky (angular)	20	Light brown	606629	5821690	9-Sep-11	VAN11004932	24.6	5.8	83	0.1	11.1	2.6
1356668	Soil	Flat	Mixed forest	Moist	Rocky (angular)	10	Light brown	606599	5821645	9-Sep-11	VAN11004932	49.4	5.8	93	0.2	14.7	1.8
1356669	Soil	Flat	Coniferous forest	Moist	Clay	30	Dark grey	606564	5821619	9-Sep-11	VAN11004932	119.9	8.6	116	0.9	26.8	3.2
1356670	Soil	Flat	Mixed forest	Moist	Rocky (angular)	10	Dark grey	606527	5821583	9-Sep-11	VAN11004932	50.9	6.2	60	0.3	22.2	32.4
1356671	Soil	Flat	Mixed forest	Dry	Sandy	10	Light brown	606485	5821544	9-Sep-11	VAN11004932	34.1	5.1	66	0.3	20.1	1.7
1356672	Soil	Flat	Mixed forest	Dry	Sandy	10	Light brown	606453	5821510	9-Sep-11	VAN11004932	32.9	6.2	81	0.3	45.5	2.6
1356673	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Light brown	606419	5821470	9-Sep-11	VAN11004932	181.2	13.7	101	0.2	181.5	46.4
1356674	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606662	5821157	9-Sep-11	VAN11004932	34.1	5.8	67	0.1	22.6	1.2
1356675	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606702	5821191	9-Sep-11	VAN11004932	44.9	6.9	92	0.6	28.7	7.4
1356676	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606740	5821226	9-Sep-11	VAN11004932	33	5.8	55	0.3	32.7	1.4
1356677	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606774	5821263	9-Sep-11	VAN11004932	27.3	4.2	65	0.1	22.9	2
1356678	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606812	5821298	9-Sep-11	VAN11004932	19.9	5.2	112	0.3	20.4	<0.5
1356679	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606845	5821327	9-Sep-11	VAN11004932	34.4	6.7	67	0.4	37.5	1.5

Appendix 1

Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1356680	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Light brown	606879	5821377	9-Sep-11	VAN11004932	26.5	5.5	87	0.3	16.9	<0.5
1356681	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Dark grey	606910	5821408	9-Sep-11	VAN11004932	71.1	9.2	68	<0.1	35.3	5.4
1356682	Soil	Gentle slope	Coniferous forest	Dry	Sandy	40	Light brown	606945	5821443	9-Sep-11	VAN11004932	50.6	5.5	44	0.4	22	1.5
1356683	Soil	Gentle slope	Coniferous forest	Moist	Clay	30	Light brown	606988	5821476	9-Sep-11	VAN11004932	53.6	6.4	76	0.4	27.9	<0.5
1356684	Dup	Gentle slope	Coniferous forest	Dry	Sandy	20	Light brown	607019	5821518	9-Sep-11	VAN11004932	22.4	6.3	97	0.3	64.7	1
1356685	Soil	Gentle slope	Coniferous forest	Dry	Sandy	20	Light brown	607019	5821518	9-Sep-11	VAN11004932	22.6	6	98	0.3	62.7	0.6
1356686	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	607055	5821542	9-Sep-11	VAN11004932	13.4	5.7	57	0.2	10	5.8
1356687	Soil	Flat	Coniferous forest	Moist	Clay	20	Grey	607095	5821578	9-Sep-11	VAN11004932	36.7	5.4	61	0.2	11.5	0.7
1356688	Soil	Flat	Coniferous forest	Moist	Clay	20	Dark grey	607127	5821616	9-Sep-11	VAN11004932	119	8.4	112	0.9	19.8	1.7
1356689	Soil	Gentle slope	Mixed forest	Moist	Clay	30	Dark grey	607167	5821647	9-Sep-11	VAN11004932	56.4	6.2	68	0.2	12.2	1.9
1356690	Soil	Valley bottom	Creek bottom	Saturated	Gravel (rounded)	10	Grey	607197	5821686	9-Sep-11	VAN11004932	54.7	6.4	87	0.3	35.1	2.1
1356691	Soil	Flat	Coniferous forest	Dry	Sandy	20	Light brown	607301	5821799	9-Sep-11	VAN11004932	19.9	7.2	68	<0.1	22.1	<0.5
1356692	Soil	Flat	Coniferous forest	Wet	Sandy	20	Light brown	607340	5821824	9-Sep-11	VAN11004932	50.1	10.2	113	0.6	33.2	3.4
1356693	Soil	Flat	Coniferous forest	Moist	Peat	30	Dark brown	607368	5821870	9-Sep-11	VAN11004932	71.3	9.5	147	1.3	20.8	2.3
1356694	Soil	Flat	Coniferous forest	Moist	Clay	20	Light brown	607412	5821895	9-Sep-11	VAN11004932	27	7.2	99	0.1	22	3.2
1356695	Soil	Flat	Coniferous forest	Dry	Sandy	10	Light brown	607440	5821931	9-Sep-11	VAN11004932	17	5.7	65	0.3	10.1	1.1
1356696	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Grey	607475	5821967	9-Sep-11	VAN11004932	7.9	5.2	101	0.3	3.9	<0.5
1356697	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607520	5822001	9-Sep-11	VAN11004932	34.4	5.4	114	0.1	16	0.7
1356698	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607547	5822039	9-Sep-11	VAN11004932	122.6	8.8	130	1.3	26.8	1.4
1356699	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	604448	5821192	13-Sep-11	VAN11004932	47.4	8.3	105	0.1	11.9	<0.5
1356700	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	604473	5821226	13-Sep-11	VAN11004932	125.9	10	109	0.4	9.5	1.2
1356751	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	604510	5821264	13-Sep-11	VAN11004931	47.9	8.7	117	0.2	6.3	1.7
1356752	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	604550	5821296	13-Sep-11	VAN11004931	74.9	7.9	106	0.1	8	3.8
1356753	Soil	Steep slope	Coniferous forest	Dry	Sandy	>100	Light brown	604585	5821325	13-Sep-11	VAN11004931	46.3	7	73	0.1	11.7	6.1
1356754	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	604617	5821366	13-Sep-11	VAN11004931	49.9	7.4	67	0.1	10.1	4.5
1356755	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Light brown	604727	5820908	13-Sep-11	VAN11004931	54.3	8.6	132	0.3	7.8	<0.5
1356756	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	604762	5820948	13-Sep-11	VAN11004931	58.1	7.9	112	<0.1	8.2	<0.5
1356757	Soil	Steep slope	Coniferous forest	Moist	Rocky (angular)	10	Light brown	604791	5820976	13-Sep-11	VAN11004931	36.8	8.3	97	0.1	7	1.1
1356758	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	604825	5821017	13-Sep-11	VAN11004931	33	6.7	110	0.3	9.1	<0.5
1356759	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	604861	5821046	13-Sep-11	VAN11004931	65.7	8.1	82	0.1	13	3.9
1356760	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Light brown	604901	5821084	13-Sep-11	VAN11004931	45.5	7.4	102	0.1	9.9	2.2
1356761	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Orange	604933	5821119	13-Sep-11	VAN11004931	49.7	12.3	126	0.1	13.2	2.3
1356762	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	604970	5821156	13-Sep-11	VAN11004931	55.8	14.7	212	0.3	13	0.6
1356763	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	605007	5821198	13-Sep-11	VAN11004931	68.7	9.7	91	0.2	15.8	14.8
1356764	Soil	Gentle slope	Coniferous forest	Dry	Peat	10	Light brown	605047	5821225	13-Sep-11	VAN11004931	21.1	5.3	86	0.1	9.4	2.4
1356765	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	605078	5821261	13-Sep-11	VAN11004931	16.3	7.9	174	<0.1	7	1.1
1356766	Soil	Gentle slope	Creek bottom	Dry	Rocky (angular)	10	Orange	605113	5821294	13-Sep-11	VAN11004931	92.5	13.1	275	0.9	14	6.3
1356767	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	605153	5821331	13-Sep-11	VAN11004931	43	11.6	279	0.3	8.3	<0.5
1356768	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	605185	5821363	13-Sep-11	VAN11004931	86.5	11.6	235	0.3	27.2	1.4
1356769	Dup	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	605218	5821405	13-Sep-11	VAN11004931	39.2	8.3	88	0.2	16.1	3.6
1356770	Soil	Gentle slope	Mixed forest	Dry	Sandy	11	Light brown	605218	5821405	13-Sep-11	VAN11004931	31.7	7.7	86	0.2	13.6	1.7
1356771	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	20	Light brown	605016	5820630	13-Sep-11	VAN11004931	36	7.6	139	0.2	4.5	0.9
1356772	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605042	5820663	13-Sep-11	VAN11004931	77.4	7.1	85	0.1	12.2	3.7
1356773	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605071	5820703	13-Sep-11	VAN11004931	19.6	7.6	91	0.1	3.7	0.7

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Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1356774	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	605115	5820735	13-Sep-11	VAN11004931	44.2	6.4	119	0.2	10	3.5
1356775	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605148	5820781	13-Sep-11	VAN11004931	30.6	8.9	86	0.4	8.1	3.4
1356776	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605184	5820807	13-Sep-11	VAN11004931	31.5	7.7	96	0.2	9.6	1
1356777	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605223	5820838	13-Sep-11	VAN11004931	21.2	5.8	109	0.1	6	<0.5
1356778	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605258	5820870	13-Sep-11	VAN11004931	23.4	8.3	92	0.3	7.6	<0.5
1356779	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605296	5820900	13-Sep-11	VAN11004931	30.8	5.2	74	0.1	6.2	2.9
1356780	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	605325	5820941	13-Sep-11	VAN11004931	31	6.9	103	0.1	7.4	<0.5
1356781	Soil	Steep slope	Coniferous forest	Dry	Sandy	20	Light brown	605365	5820978	13-Sep-11	VAN11004931	40.6	5.7	98	0.2	9.9	<0.5
1356782	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	605394	5821016	13-Sep-11	VAN11004931	25.4	6.6	212	0.3	7.8	5.4
1356783	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605441	5821050	13-Sep-11	VAN11004931	18.6	7.9	118	0.1	12.3	0.6
1356784	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Light brown	605470	5821085	13-Sep-11	VAN11004931	62	11.8	114	0.5	16.4	2.2
1356785	Soil	Flat	Mixed forest	Dry	Sandy	10	Light brown	605501	5821120	13-Sep-11	VAN11004931	44.7	8.2	72	0.2	14.5	2.9
1356786	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	605536	5821162	13-Sep-11	VAN11004931	27.7	6	113	0.4	8.7	2.5
1356787	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	605573	5821197	13-Sep-11	VAN11004931	10.4	6.6	60	<0.1	6.7	0.7
1356788	Soil	Flat	Mixed forest	Moist	Clay	30	Dark grey	605607	5821228	13-Sep-11	VAN11004931	67	8.4	60	0.8	15.5	0.9
1356789	Soil	Depression	Mixed forest	Dry	Sandy	40	Dark grey	605645	5821261	13-Sep-11	VAN11004931	63.7	11.8	101	0.7	16.2	2.4
1356790	Soil	Flat	Mixed forest	Moist	Sandy	10	Orange	605676	5821305	13-Sep-11	VAN11004931	13	8.3	86	0.2	10.1	1.7
1356791	Soil	Flat	Mixed forest	Moist	Sandy	10	Light brown	605718	5821333	13-Sep-11	VAN11004931	42.1	6.9	102	0.4	20.5	2.6
1356792	Soil	Flat	Mixed forest	Dry	Sandy	10	Light brown	605749	5821362	13-Sep-11	VAN11004931	29.3	9.1	141	0.4	15.1	<0.5
1356793	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	605784	5821405	13-Sep-11	VAN11004931	41.4	10.6	156	0.2	24.4	1.4
1356794	Soil	Flat	Mixed forest	Dry	Peat	30	Dark brown	605824	5821440	13-Sep-11	VAN11004931	167.1	10.8	99	3.2	101.3	18.8
1356795	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	605853	5821479	13-Sep-11	VAN11004931	88.4	7	118	0.5	101.9	1.9
1356796	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Light brown	605887	5821513	13-Sep-11	VAN11004931	85.6	8.7	135	0.3	40.2	5
1356797	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Grey	605932	5821549	13-Sep-11	VAN11004931	44.6	8	59	0.1	34.2	5
1356798	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	605959	5821577	13-Sep-11	VAN11004931	15.6	5.4	56	0.2	12.8	1.7
1356799	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	605994	5821614	13-Sep-11	VAN11004931	27.1	6.5	58	0.3	14.7	2.8
1356800	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	606031	5821648	13-Sep-11	VAN11004931	22.2	5	48	0.1	10.4	1.3
1356801	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	606066	5821681	13-Sep-11	VAN11004931	29.1	5.2	59	0.3	20.3	0.7
1356802	Soil	Flat	Mixed forest	Dry	Rocky (angular)	10	Grey	606106	5821719	13-Sep-11	VAN11004931	42.2	6.9	55	0.2	43.7	4.6
1356803	Soil	Depression	Coniferous forest	Moist	Clay	20	Light brown	605290	5820346	14-Sep-11	VAN11004931	49	6	67	0.3	10.1	0.6
1356804	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605326	5820373	14-Sep-11	VAN11004931	37.2	6.4	61	0.4	6.4	<0.5
1356805	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605359	5820413	14-Sep-11	VAN11004931	48.7	9.4	133	0.1	8.9	<0.5
1356806	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605395	5820449	14-Sep-11	VAN11004931	41.6	7	110	<0.1	7.1	0.5
1356807	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605430	5820483	14-Sep-11	VAN11004931	26.6	8.7	101	<0.1	7.9	<0.5
1356808	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605474	5820523	14-Sep-11	VAN11004931	29.2	8.5	137	0.1	4.5	2.8
1356809	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Dark brown	605500	5820544	14-Sep-11	VAN11004931	73.5	8.9	155	0.3	4.6	<0.5
1356810	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605541	5820592	14-Sep-11	VAN11004931	15.7	5.8	92	<0.1	3.1	<0.5
1356812	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605609	5820664	14-Sep-11	VAN11004931	23.6	4.7	81	0.6	5.6	1325.3
1356813	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605642	5820698	14-Sep-11	VAN11004931	65	7.1	122	0.2	14.1	0.8
1356814	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605681	5820731	14-Sep-11	VAN11004931	9.7	4.5	51	<0.1	4.3	<0.5
1356815	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605713	5820767	14-Sep-11	VAN11004931	18.4	9.1	142	0.1	9.7	0.5
1356816	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	605744	5820797	14-Sep-11	VAN11004931	38.1	9	53	0.3	8.9	2.6
1356817	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	605786	5820838	14-Sep-11	VAN11004931	19.9	7	140	0.4	5.4	1.1
1356818	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605819	5820871	14-Sep-11	VAN11004931	49.7	10.8	123	0.5	14.1	1.7

Appendix 1

Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1356819	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	605860	5820911	14-Sep-11	VAN11004931	15.3	5.7	94	0.2	6.8	1.6
1356820	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	605890	5820940	14-Sep-11	VAN11004931	74.5	11.4	144	1.4	18.5	3.5
1356821	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Olive	605926	5820976	14-Sep-11	VAN11004931	36.8	7.2	80	0.3	17.8	5.1
1356822	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	605958	5821016	14-Sep-11	VAN11004931	33.6	7.8	103	0.4	20.2	1.6
1356823	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	605995	5821053	14-Sep-11	VAN11004931	21.5	5.5	78	0.2	13.7	3.5
1356824	Soil	Gentle slope	Mixed forest	Moist	Clay	30	Dark grey	606028	5821084	14-Sep-11	VAN11004931	91.6	8.4	109	1.8	22.7	4.9
1356825	Dup	Valley bottom	Mixed forest	Moist	Clay	20	Dark brown	606063	5821119	14-Sep-11	VAN11004931	38.4	10.2	182	0.3	23.6	3.6
1356826	Soil	Valley bottom	Mixed forest	Moist	Clay	21	Dark brown	606063	5821119	14-Sep-11	VAN11004931	40.6	11.4	181	0.3	25.2	4
1356827	Soil	Valley bottom	Coniferous forest	Moist	Clay	20	Dark grey	606103	5821154	14-Sep-11	VAN11004931	91.1	12.1	159	1.1	46.4	8.6
1356828	Soil	Valley bottom	Creek bottom	Moist	Clay	20	Dark grey	606135	5821200	14-Sep-11	VAN11004931	138.1	15.5	161	1.2	48.4	7.5
1356829	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606172	5821228	14-Sep-11	VAN11004931	45	8.9	88	0.4	27.2	4.7
1356830	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606204	5821263	14-Sep-11	VAN11004931	65.7	8.5	90	0.3	24.7	4.6
1356831	Soil	Gentle slope	Coniferous forest	Dry	Clay	20	Grey	606247	5821292	14-Sep-11	VAN11004931	44.4	7.1	67	0.2	20.1	4.5
1356832	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Light brown	606281	5821335	14-Sep-11	VAN11004931	18.3	6.6	59	0.2	17.2	2.4
1356833	Soil	Gentle slope	Mixed forest	Dry	Clay	20	Light brown	606315	5821378	14-Sep-11	VAN11004931	49.7	7.3	92	0.5	22.5	2.2
1356834	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Light brown	606344	5821398	14-Sep-11	VAN11004931	53	8.5	97	0.2	24	1.5
1356835	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Dark brown	606373	5821442	14-Sep-11	VAN11004931	73.2	9.6	158	0.6	41.3	5.3
1356836	Soil	Flat	Coniferous forest	Moist	Rocky (angular)	20	Dark brown	607583	5821510	14-Sep-11	VAN11004931	49.1	9	175	0.6	27.6	11.2
1356837	Soil	Flat	Coniferous forest	Moist	Clay	20	Dark brown	607554	5821473	14-Sep-11	VAN11004931	55.7	9.3	97	0.4	16.2	0.7
1356838	Soil	Gentle slope	Coniferous forest	Wet	Clay	20	Light brown	607517	5821442	14-Sep-11	VAN11004931	59.7	7.9	90	0.4	16.9	2
1356839	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607482	5821404	14-Sep-11	VAN11004931	27.9	5.9	71	0.2	27.8	1
1356840	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Light brown	607446	5821366	14-Sep-11	VAN11004931	24.6	6.7	50	0.4	18.1	0.7
1356841	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Orange	607406	5821329	14-Sep-11	VAN11004931	21.1	7.6	112	0.2	34.1	1.3
1356842	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Light brown	607374	5821301	14-Sep-11	VAN11004931	24.2	4.8	111	0.1	14.4	1.4
1356843	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607339	5821263	14-Sep-11	VAN11004931	24	5.3	84	0.1	23.4	0.6
1356844	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607306	5821221	14-Sep-11	VAN11004931	23.7	6	77	0.4	13.5	<0.5
1356845	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607268	5821193	14-Sep-11	VAN11004931	37.3	6.2	80	0.2	12.2	0.6
1356846	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607235	5821156	14-Sep-11	VAN11004931	40.4	7.2	113	0.2	19.6	1.6
1356847	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	607198	5821120	14-Sep-11	VAN11004931	13.7	4.7	65	0.2	12.4	<0.5
1356848	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607156	5821087	14-Sep-11	VAN11004931	38.1	5.8	117	0.2	19.2	<0.5
1356849	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607134	5821052	14-Sep-11	VAN11004931	33.3	6.9	126	0.2	77	1.7
1356850	Soil	Steep slope	Mixed forest	Dry	Clay	10	Light brown	607085	5821025	14-Sep-11	VAN11004931	9.8	4.4	61	0.2	28.5	<0.5
1356851	Soil	Steep slope	Coniferous forest	Dry	Clay	10	Light brown	607064	5820982	14-Sep-11	VAN11004931	20.1	5.2	100	0.2	27.2	1.8
1356852	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607021	5820947	14-Sep-11	VAN11004931	42.2	6.6	65	0.1	18.1	3.7
1356853	Soil	Steep slope	Mixed forest	Dry	Sandy	10	Light brown	606986	5820903	14-Sep-11	VAN11004931	10.1	4.1	67	0.1	10.1	<0.5
1356854	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605566	5820051	15-Sep-11	VAN11004931	24.9	8.9	131	0.1	5.3	2.1
1356855	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605607	5820095	15-Sep-11	VAN11004931	40.5	5	87	<0.1	3.5	<0.5
1356856	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605646	5820131	15-Sep-11	VAN11004931	41	5.3	65	<0.1	5	<0.5
1356857	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Orange	605677	5820165	15-Sep-11	VAN11004931	38.2	7	117	<0.1	4.8	<0.5
1356858	Soil	Steep slope	Coniferous forest	Dry	Peat	10	Light brown	605716	5820203	15-Sep-11	VAN11004931	21.7	6.9	105	<0.1	4.1	<0.5
1356859	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605754	5820235	15-Sep-11	VAN11004931	74.6	5.2	128	0.3	3.8	1.2
1356860	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605788	5820268	15-Sep-11	VAN11004931	22.6	4.9	81	<0.1	5.2	2.4
1356861	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605821	5820308	15-Sep-11	VAN11004931	35.9	11.4	177	0.3	5.4	6.9
1356862	Soil	Steep slope	Coniferous forest	Dry	Peat	10	Light brown	605855	5820345	15-Sep-11	VAN11004931	27.9	4.6	62	<0.1	6.4	0.9

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Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1356863	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605894	5820375	15-Sep-11	VAN11004931	71.4	11.8	160	0.5	6.6	2.1
1356864	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605924	5820410	15-Sep-11	VAN11004931	59.3	8.4	93	0.1	5.3	1
1356865	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605955	5820447	15-Sep-11	VAN11004931	18.5	5.1	67	0.2	6.8	0.8
1356866	Soil	Steep slope	Coniferous forest	Moist	Rocky (angular)	10	Light brown	605991	5820487	15-Sep-11	VAN11004931	16.2	4.4	73	0.3	7.5	2.4
1356867	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606031	5820515	15-Sep-11	VAN11004931	22.4	5.4	104	0.1	8.8	0.8
1356868	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606063	5820555	15-Sep-11	VAN11004931	6.3	4.5	45	<0.1	6	<0.5
1356869	Soil	Steep slope	Mixed forest	Dry	Clay	20	Light brown	606100	5820591	15-Sep-11	VAN11004931	64.1	6	74	0.2	9.6	3.9
1356870	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Dark brown	606136	5820622	15-Sep-11	VAN11004931	129.8	10.3	127	1	22.3	4
1356871	Soil	Gentle slope	Mixed forest	Moist	Clay	10	Dark brown	606172	5820658	15-Sep-11	VAN11004931	47.1	7.9	82	0.2	21.4	5.7
1356872	Soil	Gentle slope	Mixed forest	Moist	Clay	30	Dark brown	606207	5820694	15-Sep-11	VAN11004931	65.9	8	80	0.8	17.7	3.2
1356873	Soil	Valley bottom	Mixed forest	Moist	Rocky (angular)	10	Light brown	606242	5820739	15-Sep-11	VAN11004931	17.7	5.5	72	0.3	12.6	1.4
1356874	Soil	Valley bottom	Mixed forest	Moist	Peat	30	Dark brown	606281	5820774	15-Sep-11	VAN11004931	93.5	8.9	60	1.2	8.3	7.1
1356875	Soil	Valley bottom	Coniferous forest	Moist	Peat	30	Dark brown	606311	5820805	15-Sep-11	VAN11004931	34.2	2.8	18	0.4	2	2.3
1356876	Soil	Valley bottom	Coniferous forest	Dry	Clay	20	Light brown	606353	5820844	15-Sep-11	VAN11004931	18	6.3	86	0.4	19.3	1.5
1356877	Soil	Gentle slope	Coniferous forest	Moist	Clay	30	Dark grey	606385	5820879	15-Sep-11	VAN11004931	65.3	9.5	154	0.9	41.8	6.2
1356878	Soil	Gentle slope	Coniferous forest	Moist	Clay	30	Dark grey	606415	5820915	15-Sep-11	VAN11004931	205.5	18.6	277	4.2	94.3	24.8
1356879	Soil	Gentle slope	Coniferous forest	Dry	Clay	20	Dark brown	606452	5820948	15-Sep-11	VAN11004931	75.3	9.2	137	1.2	39.1	7
1356880	Soil	Gentle slope	Coniferous forest	Moist	Clay	10	Light brown	606491	5820988	15-Sep-11	VAN11004931	44	10.5	142	0.5	29.9	14
1356881	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Light brown	606527	5821010	15-Sep-11	VAN11004931	60.2	8.4	84	0.6	29.5	3.7
1356882	Soil	Gentle slope	Mixed forest	Moist	Clay	30	Dark grey	606563	5821047	15-Sep-11	VAN11004931	212.7	19	262	3	65.9	11.1
1356883	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	606599	5821085	15-Sep-11	VAN11004931	63.2	8.4	130	0.9	28.4	3.9
1356884	Dup	Steep slope	Mixed forest	Dry	Gravel (rounded)	20	Grey	606628	5821116	15-Sep-11	VAN11004931	24.8	5.2	77	0.3	22.8	1.9
1356885	Soil	Steep slope	Mixed forest	Dry	Gravel (rounded)	21	Grey	606628	5821116	15-Sep-11	VAN11004931	24.9	5	76	0.3	22.9	1
1356886	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Grey	607093	5818751	15-Sep-11	VAN11004931	9.2	3.9	28	0.1	1.9	<0.5
1356887	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Grey	607125	5818791	15-Sep-11	VAN11004931	13.3	4.7	60	0.1	1.9	1.3
1356888	Soil	Steep slope	Coniferous forest	Dry	Clay	10	Grey	607160	5818829	15-Sep-11	VAN11004931	8.7	6.7	55	0.1	2	<0.5
1356889	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607200	5818864	15-Sep-11	VAN11004931	9.3	6.2	70	<0.1	2.1	<0.5
1356890	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607231	5818889	15-Sep-11	VAN11004931	18.6	9.1	75	<0.1	3.1	<0.5
1356891	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607268	5818934	15-Sep-11	VAN11004931	11.8	7.4	75	<0.1	1.8	1.2
1356892	Soil	Gentle slope	Creek bottom	Dry	Rocky (angular)	10	Light brown	607306	5818963	15-Sep-11	VAN11004931	59.9	5.6	118	0.2	4.3	0.9
1356893	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607334	5819009	15-Sep-11	VAN11004931	19.9	7.2	114	0.2	3.1	0.7
1356894	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607377	5819032	15-Sep-11	VAN11004931	13	6.9	51	<0.1	3.1	0.8
1356895	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607410	5819070	15-Sep-11	VAN11004931	14.9	8.3	85	<0.1	2.6	<0.5
1356896	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Grey	607446	5819099	15-Sep-11	VAN11004931	10.1	6.3	73	<0.1	2.8	0.8
1356897	Dup	Gentle slope	Coniferous forest	Dry	Clay	20	Light brown	607515	5819172	15-Sep-11	VAN11004931	21.6	10.3	60	0.4	4	<0.5
1356898	Soil	Gentle slope	Coniferous forest	Dry	Clay	20	Light brown	607515	5819172	15-Sep-11	VAN11004931	18.7	9.4	71	0.3	3.9	<0.5
1356899	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607550	5819210	15-Sep-11	VAN11004931	12.9	6.8	80	<0.1	5.5	<0.5
1356900	Soil	Gentle slope	Creek bottom	Dry	Clay	10	Light brown	607599	5819238	15-Sep-11	VAN11004931	62.9	10.7	81	<0.1	14	2.8
1356901	Soil	Flat	Creek bottom	Moist	Clay	10	Dark brown	605578	5822889	6-Sep-11	van11004670	149.7	9.8	152	1.1	30.2	2.5
1356902	Soil	Flat	Mixed forest	Moist	Clay	30	Dark brown	605606	5822931	6-Sep-11	van11004670	127.9	5.1	36	0.8	6.7	4.3
1356903	Soil	Flat	Mixed forest	Moist	Clay	30	Dark brown	605646	5822959	6-Sep-11	van11004670	90.8	2.1	14	0.6	2.7	2
1356904	Soil	Flat	Mixed forest	Moist	Peat	30	Dark brown	605677	5822999	6-Sep-11	van11004670	79.7	2	40	0.6	5	1.4
1356905	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	20	Dark brown	605712	5823028	6-Sep-11	van11004670	83.9	7.6	101	0.5	27.1	2.5
1356906	Soil	Flat	Mixed forest	Dry	Clay	30	Light brown	605751	5823065	6-Sep-11	van11004670	108.5	10.8	223	0.9	24.8	1.4

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Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1356907	Soil	Gentle slope	Mixed forest	Dry	Sandy	20	Light brown	605778	5823107	6-Sep-11	van11004670	14.7	6.4	98	<0.1	9.6	0.8
1356908	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	605817	5823140	6-Sep-11	van11004670	24	5.5	100	0.2	11.6	1.3
1356909	Soil	Steep slope	Mixed forest	Dry	Peat	20	Light brown	605854	5823170	6-Sep-11	van11004670	59.7	6.9	174	0.4	12.3	<0.5
1356910	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	605886	5823215	6-Sep-11	van11004670	64	8	122	0.6	20.4	1.9
1356911	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	605921	5823240	6-Sep-11	van11004670	28.3	5.4	81	0.1	14.3	3.8
1356912	Soil	Steep slope	Mixed forest	Dry	Clay	10	Grey	605966	5823279	6-Sep-11	van11004670	35.9	5.3	73	<0.1	16.3	2
1356913	Soil	Steep slope	Mixed forest	Moist	Rocky (angular)	10	Dark brown	605996	5823310	6-Sep-11	van11004670	149	10.2	111	0.9	33.4	4
1356914	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606032	5823348	6-Sep-11	van11004670	57.6	6.4	74	0.2	14.7	3.7
1356915	Soil	Gentle slope	Creek bottom	Dry	Rocky (angular)	10	Light brown	606064	5823388	6-Sep-11	van11004670	33.7	7	122	0.2	12.2	<0.5
1356916	Soil	Gentle slope	Mixed forest	Moist	Clay	20	Light brown	606106	5823420	6-Sep-11	van11004670	82.4	8.5	96	0.3	24.9	3
1356917	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606144	5823451	6-Sep-11	van11004670	21.5	5.2	117	0.2	12.9	0.9
1356918	Soil	Gentle slope	Mixed forest	Dry	Sandy	20	Light brown	606173	5823489	6-Sep-11	van11004670	46.2	6.8	93	0.1	16.6	2.8
1356919	Soil	Gentle slope	Mixed forest	Moist	Clay	10	Light brown	606203	5823527	6-Sep-11	van11004670	71.6	8.2	109	1.2	23.6	2.8
1356920	Soil	Gentle slope	Creek bottom	Dry	Clay	10	Light brown	606238	5823557	6-Sep-11	van11004670	40.2	7.2	95	0.2	17.7	0.9
1356921	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606516	5823275	6-Sep-11	van11004670	38.1	5.2	69	0.3	14	1.5
1356922	Soil	Gentle slope	Mixed forest	Moist	Clay	20	Dark brown	606488	5823246	6-Sep-11	van11004670	738	12.5	174	3.4	81	13.9
1356923	Soil	Gentle slope	Mixed forest	Dry	Clay	20	Light brown	606447	5823206	6-Sep-11	van11004670	91.2	8.9	136	0.8	27.7	1.5
1356924	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	606419	5823172	6-Sep-11	van11004670	91.5	8.7	109	1.1	21.1	2.4
1356925	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606388	5823130	6-Sep-11	van11004670	17.5	5.7	97	0.2	10.8	<0.5
1356926	Soil	Gentle slope	Mixed forest	Dry	Clay	20	Light brown	606348	5823102	6-Sep-11	van11004670	43.3	7.3	78	0.7	15.4	1
1356927	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	606313	5823071	6-Sep-11	van11004670	28	7.2	90	0.2	15.4	0.8
1356928	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	606273	5823022	6-Sep-11	van11004670	68.8	8.8	137	0.6	11.4	0.7
1356929	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	606237	5823001	6-Sep-11	van11004670	38.8	8.1	94	0.4	15.9	1.4
1356930	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606209	5822961	6-Sep-11	van11004670	41.3	6.6	96	0.6	12.7	2.4
1356931	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	20	Light brown	606174	5822927	6-Sep-11	van11004670	49.9	6.5	82	0.4	14.2	1.8
1356932	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Dark brown	606137	5822882	6-Sep-11	van11004670	54.1	6.2	74	0.2	17.7	1.2
1356933	Soil	Gentle slope	Mixed forest	Moist	Clay	20	Dark brown	606105	5822857	6-Sep-11	van11004670	73.3	5.9	89	0.6	16.4	1.4
1356934	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606064	5822823	6-Sep-11	van11004670	41	5.7	82	0.3	12.5	1.6
1356935	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Grey	606030	5822782	6-Sep-11	van11004670	20	4.8	65	0.3	5.8	3.5
1356936	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	605996	5822751	6-Sep-11	van11004670	15.1	5.9	76	0.2	6.9	0.7
1356937	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Light brown	605963	5822713	6-Sep-11	van11004670	36.4	5.9	71	0.1	11.7	0.7
1356938	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	605920	5822679	6-Sep-11	van11004670	38	5.7	62	0.2	13	0.9
1356939	Soil	Flat	Mixed forest	Moist	Clay	20	Dark brown	605883	5822645	6-Sep-11	van11004670	134.2	10.6	169	1.7	25.4	3.4
1356940	Soil	Flat	Mixed forest	Moist	Clay	30	Dark grey	605851	5822608	6-Sep-11	van11004670	107.8	3.7	22	1.5	14.5	3
1356941	Soil	Flat	Mixed forest	Moist	Sandy	20	Dark grey	605812	5822578	6-Sep-11	van11004670	38.3	5.7	90	0.3	8.6	5.7
1356942	Soil	Flat	Mixed forest	Moist	Clay	30	Dark grey	605779	5822532	6-Sep-11	van11004670	108.7	7.4	111	0.9	22.4	3.1
1356943	Soil	Flat	Mixed forest	Moist	Clay	30	Dark grey	605742	5822502	6-Sep-11	van11004670	110.8	5.9	63	1.1	12.5	2.5
1356944	Soil	Flat	Mixed forest	Moist	Clay	20	Light brown	605704	5822467	6-Sep-11	van11004670	18.2	5.3	100	0.2	7.4	1.6
1356945	Soil	Flat	Mixed forest	Moist	Clay	30	Dark grey	605681	5822426	6-Sep-11	van11004670	94.6	11.5	115	0.9	25.7	6.6
1356946	Soil	Flat	Mixed forest	Wet	Clay	30	Dark grey	605640	5822399	6-Sep-11	van11004670	45.8	3	30	1	4.6	4
1356947	Soil	Flat	Mixed forest	Moist	Clay	20	Dark grey	605561	5822326	6-Sep-11	van11004670	76.6	7	113	0.7	52.4	4
1356948	Soil	Gentle slope	Creek bottom	Moist	Clay	20	Dark brown	606666	5822845	6-Sep-11	van11004670	184.6	10.5	124	1.8	26.2	3.7
1356949	Soil	Gentle slope	Mixed forest	Moist	Clay	20	Dark brown	606633	5822821	6-Sep-11	van11004670	84	9	116	0.8	20.3	11.6
1356950	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	606597	5822782	6-Sep-11	van11004670	48.1	6.2	100	0.3	13.1	1.6

Appendix 1

Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1357005	Soil	Gentle slope	Mixed forest	Dry	Sandy	20	Light brown	607203	5823948	5-Sep-11	van11004670	74.5	23.1	214	0.7	22.8	1.9
1357006	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	607156	5823917	5-Sep-11	van11004670	18.8	12.5	69	0.2	6.2	5.4
1357007	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607125	5823881	5-Sep-11	van11004670	33.9	10.5	76	0.4	2.9	<0.5
1357008	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	607092	5823838	5-Sep-11	van11004670	105.3	33.1	120	0.4	42.1	12.4
1357009	Soil	Gentle slope	Mixed forest	Moist	Sandy	10	Light brown	607047	5823815	5-Sep-11	van11004670	57.3	11.5	145	0.8	18.5	2
1357010	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	607020	5823772	5-Sep-11	van11004670	67.5	24.9	257	0.7	95.5	5.5
1357011	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606983	5823742	5-Sep-11	van11004670	76.8	9	363	0.3	61.8	1.1
1357012	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606939	5823708	5-Sep-11	van11004670	46	7.4	237	0.3	22.5	1.1
1357013	Soil	Gentle slope	Mixed forest	Dry	Clay	10	Light brown	606909	5823670	5-Sep-11	van11004670	413.9	28.1	319	4.3	46.6	11.1
1357014	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606880	5823631	5-Sep-11	van11004670	25.6	7.5	76	0.1	34.3	0.8
1357015	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606844	5823596	5-Sep-11	van11004670	19.7	6.3	59	0.4	9.3	1.1
1357016	Soil	Gentle slope	Scrub	Moist	Rocky (angular)	10	Light brown	606822	5823556	5-Sep-11	van11004670	61.3	8.8	116	0.2	38.2	1.3
1357017	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606771	5823529	5-Sep-11	van11004670	37.1	8.2	164	0.4	10.8	0.7
1357018	Soil	Steep slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	606738	5823491	5-Sep-11	van11004670	27.9	5.7	86	0.2	14.9	1
1357019	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606702	5823451	5-Sep-11	van11004670	49.1	7.7	97	0.2	25	11.1
1357020	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	606660	5823424	5-Sep-11	van11004670	16.3	8.6	155	0.5	8.4	<0.5
1357021	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606630	5823389	5-Sep-11	van11004670	11.5	5.9	78	0.1	14.4	1.5
1357022	Soil	Steep slope	Mixed forest	Moist	Sandy	10	Light brown	606596	5823343	5-Sep-11	van11004670	14.7	5.5	98	0.1	12.1	1.1
1357023	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606560	5823315	5-Sep-11	van11004670	31.3	5.4	108	0.6	16.7	4.3
1357024	Soil	Steep slope	Mixed forest	Moist	Sandy	20	Light brown	606283	5823594	5-Sep-11	van11004670	61.7	6.9	94	0.2	28.1	3.8
1357025	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606309	5823630	5-Sep-11	van11004670	21.6	6.8	105	0.4	10.1	<0.5
1357026	Soil	Steep slope	Mixed forest	Moist	Clay	10	Light brown	606352	5823658	5-Sep-11	van11004670	25.2	6.6	95	0.2	13.7	1.1
1357027	Soil	Steep slope	Mixed forest	Dry	Clay	20	Light brown	606382	5823709	5-Sep-11	van11004670	34.8	6.2	69	<0.1	21	2
1357028	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606423	5823742	5-Sep-11	van11004670	34.5	6.5	332	0.2	20.4	1.3
1357029	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606452	5823765	5-Sep-11	van11004670	35.6	8.4	78	0.2	24	1.2
1357030	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606490	5823806	5-Sep-11	van11004670	47.1	5.1	80	0.4	12.2	<0.5
1357031	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606531	5823844	5-Sep-11	van11004670	61.7	9.3	201	0.8	20	0.9
1357032	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606560	5823881	5-Sep-11	van11004670	61.2	4.5	93	0.3	25.2	1.2
1357033	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	606596	5823909	5-Sep-11	van11004670	46.3	8.3	166	0.4	27	5.8
1357034	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606637	5823948	5-Sep-11	van11004670	37.5	9.7	104	0.3	27.2	11.4
1357035	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606035	5823926	5-Sep-11	van11004670	97.4	12.8	118	0.8	43.3	5.4
1357036	Soil	Gentle slope	Mixed forest	Dry	Clay	20	Light brown	605995	5823887	5-Sep-11	van11004670	22.3	4.9	54	0.2	13.1	0.5
1357037	Soil	Gentle slope	Mixed forest	Dry	Clay	20	Light brown	605955	5823844	5-Sep-11	van11004670	30	4.8	68	0.1	15.2	1.4
1357038	Soil	Gentle slope	Mixed forest	Moist	Clay	30	Light brown	605914	5823808	5-Sep-11	van11004670	8.9	4.3	63	0.1	6	0.7
1357039	Soil	Flat	Mixed forest	Dry	Clay	20	Light brown	605879	5823769	5-Sep-11	van11004670	40.6	6.3	100	0.5	24.8	0.9
1357040	Soil	Depression	Mixed forest	Dry	Sandy	20	Light brown	605845	5823737	5-Sep-11	van11004670	37.3	7	103	0.2	23	2.8
1357041	Soil	Gentle slope	Mixed forest	Dry	Sandy	20	Light brown	605820	5823708	5-Sep-11	van11004670	23.2	5.7	93	0.2	10.6	0.9
1357042	Soil	Gentle slope	Mixed forest	Moist	Clay	20	Grey	605784	5823669	5-Sep-11	van11004670	5.1	3.3	19	<0.1	2.9	<0.5
1357043	Soil	Flat	Coniferous forest	Dry	Rocky (angular)	20	Light brown	605743	5823632	5-Sep-11	van11004670	69.2	8.1	200	0.7	14.8	1.7
1357044	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605706	5823595	5-Sep-11	van11004670	171.3	17	253	1.4	25.8	8.1
1357045	Dup	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	605674	5823549	5-Sep-11	van11004670	18	4.8	109	<0.1	6	1.5
1357046	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	605674	5823549	5-Sep-11	van11004670	25.9	5	116	0.1	7.7	4.7
1357047	Soil	Valley bottom	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605632	5823517	5-Sep-11	van11004670	40.9	4.9	83	<0.1	10.4	4.7
1357048	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605607	5823490	5-Sep-11	van11004670	16.7	5.3	94	0.2	8.7	1.8

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Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1357049	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605569	5823448	5-Sep-11	van11004670	31.4	5.1	90	<0.1	11	2
1357050	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	605538	5823417	5-Sep-11	van11004670	22.8	5.4	96	<0.1	7.1	8.1
1357051	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Light brown	607629	5819277	15-Sep-11	VAN11004931	21.6	6.6	51	0.1	4.7	<0.5
1357052	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606701	5818922	16-Sep-11	VAN11004931	7.8	6.1	53	<0.1	2	<0.5
1357053	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606743	5818961	16-Sep-11	VAN11004931	26.9	7.2	96	0.2	2.5	<0.5
1357054	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606776	5818998	16-Sep-11	VAN11004931	11.1	8.4	78	0.2	2.1	<0.5
1357055	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606809	5819038	16-Sep-11	VAN11004931	19.4	7.9	108	<0.1	3.1	<0.5
1357056	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606845	5819064	16-Sep-11	VAN11004931	32.4	8	84	<0.1	6.1	0.5
1357057	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Dark brown	606873	5819108	16-Sep-11	VAN11004931	133.6	13.8	113	0.4	4.7	1.2
1357058	Soil	Gentle slope	Coniferous forest	Dry	Sandy	20	Light brown	606920	5819141	16-Sep-11	VAN11004931	30.6	10.5	105	0.2	5.1	<0.5
1357059	Soil	Gentle slope	Coniferous forest	Dry	Sandy	20	Light brown	606951	5819173	16-Sep-11	VAN11004931	16.6	9.7	84	0.1	3.1	<0.5
1357060	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606990	5819211	16-Sep-11	VAN11004931	33.4	10	150	<0.1	4.6	<0.5
1357061	Soil	Gentle slope	Coniferous forest	Dry	Clay	30	Dark brown	607021	5819250	16-Sep-11	VAN11004931	203.2	17	196	1.4	17.6	3.6
1357062	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	>100	Grey	607064	5819285	16-Sep-11	VAN11004931	15.4	6	55	0.1	3.4	<0.5
1357063	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Light brown	607090	5819317	16-Sep-11	VAN11004931	18.5	8.5	90	<0.1	5.7	<0.5
1357064	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607127	5819353	16-Sep-11	VAN11004931	36.4	8.6	78	0.1	11	2.9
1357065	Soil	Gentle slope	Mixed forest	Moist	Sandy	10	Light brown	607167	5819385	16-Sep-11	VAN11004931	24.4	7.4	57	<0.1	4.1	0.6
1357066	Soil	Flat	Mixed forest	Moist	Clay	20	Light brown	607204	5819417	16-Sep-11	VAN11004931	8.2	5.7	46	<0.1	1.7	<0.5
1357067	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	607233	5819458	16-Sep-11	VAN11004931	8.2	6.3	64	0.1	3.1	<0.5
1357068	Soil	Flat	Mixed forest	Dry	Rocky (angular)	20	Light brown	607267	5819497	16-Sep-11	VAN11004931	30.9	8.5	92	0.2	3.8	1.3
1357069	Soil	Flat	Mixed forest	Dry	Sandy	10	Light brown	607305	5819529	16-Sep-11	VAN11004931	11.3	7.8	108	0.2	2.5	<0.5
1357070	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607342	5819566	16-Sep-11	VAN11004931	19	5.6	100	<0.1	10.6	<0.5
1357071	Soil	Gentle slope	Mixed forest	Moist	Sandy	10	Light brown	607376	5819594	16-Sep-11	VAN11004931	21.3	7.4	84	0.1	11	<0.5
1357072	Soil	Flat	Mixed forest	Moist	Rocky (angular)	20	Dark brown	607414	5819634	16-Sep-11	VAN11004931	37.5	9.8	90	0.4	9.4	2.4
1357073	Soil	Flat	Mixed forest	Moist	Rocky (angular)	20	Dark brown	607443	5819670	16-Sep-11	VAN11004931	35.2	12.9	121	0.5	7.5	0.7
1357074	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Grey	607484	5819699	16-Sep-11	VAN11004931	14	7.9	56	0.2	4.4	<0.5
1357075	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	607519	5819739	16-Sep-11	VAN11004931	13.1	6.9	77	0.5	7	<0.5
1357076	Soil	Gentle slope	Mixed forest	Moist	Clay	20	Light brown	607554	5819769	16-Sep-11	VAN11004931	37.6	8.8	87	0.3	13.2	0.8
1357077	Soil	Gentle slope	Mixed forest	Dry	Clay	20	Dark grey	607588	5819803	16-Sep-11	VAN11004931	52.4	9.8	63	0.5	9.9	2.7
1357078	Dup	Gentle slope	Mixed forest	Moist	Clay	10	Dark grey	607630	5819842	16-Sep-11	VAN11004931	52.3	9.9	73	0.7	12.6	4.6
1357079	Soil	Gentle slope	Mixed forest	Moist	Clay	10	Dark grey	607630	5819842	16-Sep-11	VAN11004931	53.3	9.9	74	0.6	13.1	2.8
1357080	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	606774	5819567	16-Sep-11	VAN11004931	11.8	13.6	43	0.1	3.4	0.7
1357081	Soil	Steep slope	Coniferous forest	Dry	Clay	30	Light brown	606807	5819599	16-Sep-11	VAN11004931	9.1	4.8	36	<0.1	2.5	<0.5
1357082	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Light brown	606849	5819634	16-Sep-11	VAN11004931	17	8.3	75	<0.1	3.5	<0.5
1357083	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606879	5819675	16-Sep-11	VAN11004931	8.6	7.9	44	<0.1	3	1.7
1357084	Soil	Steep slope	Coniferous forest	Dry	Sandy	20	Light brown	606915	5819706	16-Sep-11	VAN11004931	23.8	8.3	78	0.1	3.7	<0.5
1357085	Soil	Steep slope	Coniferous forest	Dry	Sandy	20	Light brown	606953	5819744	16-Sep-11	VAN11004931	22.3	7.1	66	<0.1	5.8	0.7
1357086	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606991	5819776	16-Sep-11	VAN11004931	39.3	5.8	71	<0.1	5	<0.5
1357087	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607019	5819812	16-Sep-11	VAN11004931	66.1	7.2	135	0.2	4.7	<0.5
1357088	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Grey	607060	5819852	16-Sep-11	VAN11004931	24.1	5.3	54	0.1	4.6	1.9
1357089	Soil	Steep slope	Mixed forest	Dry	Clay	20	Light brown	607094	5819888	16-Sep-11	VAN11004931	53.4	7.8	62	0.8	7.5	1.3
1357090	Soil	Base of slope	Coniferous forest	Dry	Clay	10	Light brown	607124	5819923	16-Sep-11	VAN11004931	41.1	10.1	50	0.2	4.4	<0.5
1357091	Soil	Valley bottom	Mixed forest	Moist	Rocky (angular)	20	Light brown	607164	5819950	16-Sep-11	VAN11004931	22.8	8.8	77	0.1	5	<0.5
1357092	Soil	Valley bottom	Mixed forest	Moist	Sandy	30	Light brown	607204	5819982	16-Sep-11	VAN11004931	36.5	9.7	69	0.9	15	2.3

Appendix 1

Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1357093	Soil	Flat	Coniferous forest	Dry	Rocky (angular)	20	Light brown	607233	5820023	16-Sep-11	VAN11004931	22.5	7.6	99	0.2	10.9	1.1
1357094	Soil	Gentle slope	Coniferous forest	Moist	Peat	30	Dark brown	607273	5820058	16-Sep-11	VAN11004931	88.8	1.6	33	0.5	<0.5	<0.5
1357095	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607326	5820128	16-Sep-11	VAN11004931	31.5	8.2	140	0.3	12.8	<0.5
1357096	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607334	5820135	16-Sep-11	VAN11004931	44.5	8.7	65	0.3	18.7	2.4
1357097	Soil	Gentle slope	Mixed forest	Dry	Clay	20	Dark brown	607372	5820164	16-Sep-11	VAN11004931	207	11.9	136	2.4	40.8	6.4
1357098	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Dark brown	607414	5820198	16-Sep-11	VAN11004931	37.3	7.4	143	0.5	14.9	0.7
1357099	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	607450	5820237	16-Sep-11	VAN11004931	16.7	5.5	88	0.2	9.9	0.5
1357100	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	607477	5820270	16-Sep-11	VAN11004931	14.4	7.9	131	0.2	9.2	<0.5
1357101	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	607509	5820309	16-Sep-11	VAN11004932	34.3	5.7	88	0.2	14.1	2.6
1357102	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607551	5820347	16-Sep-11	VAN11004932	31.3	4.9	60	0.2	17.8	1.3
1357103	Soil	Gentle slope	Creek bottom	Dry	Rocky (angular)	10	Light brown	607587	5820381	16-Sep-11	VAN11004932	21	5.1	65	<0.1	26.2	0.9
1357104	Soil	Gentle slope	Coniferous forest	Moist	Rocky (angular)	10	Dark brown	606745	5819538	17-Sep-11	VAN11004932	56.6	7.2	80	<0.1	14.9	5.8
1357105	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606694	5819487	17-Sep-11	VAN11004932	27.5	5.8	89	<0.1	4.4	2.4
1357106	Soil	Gentle slope	Coniferous forest	Wet	Clay	30	Dark grey	606669	5819453	17-Sep-11	VAN11004932	76.5	9.2	81	0.7	12.5	3.5
1357107	Soil	Gentle slope	Coniferous forest	Moist	Clay	20	Light brown	606629	5819425	17-Sep-11	VAN11004932	22.2	7.7	100	<0.1	2.5	2.3
1357108	Soil	Gentle slope	Coniferous forest	Moist	Rocky (angular)	10	Olive	606598	5819395	17-Sep-11	VAN11004932	6.3	5.6	44	<0.1	1.6	<0.5
1357109	Soil	Valley bottom	Coniferous forest	Dry	Sandy	10	Light brown	606560	5819362	17-Sep-11	VAN11004932	10.1	7.2	66	<0.1	1.6	0.9
1357110	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606527	5819315	17-Sep-11	VAN11004932	28.2	8.1	123	<0.1	3.4	0.9
1357111	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606492	5819282	17-Sep-11	VAN11004932	21	9.1	70	<0.1	3.9	<0.5
1357112	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606460	5819248	17-Sep-11	VAN11004932	9.2	8.2	74	<0.1	2.8	<0.5
1357113	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Olive	606428	5819213	17-Sep-11	VAN11004932	8	8.3	90	<0.1	1.7	0.8
1357114	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Dark brown	606151	5819492	17-Sep-11	VAN11004932	45.8	6.4	113	0.2	3.2	2.6
1357115	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606182	5819529	17-Sep-11	VAN11004932	5	5.2	32	<0.1	2.3	<0.5
1357116	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606215	5819570	17-Sep-11	VAN11004932	27.3	9.4	130	0.2	4.2	1.1
1357117	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Dark brown	606241	5819601	17-Sep-11	VAN11004932	28	6.7	113	0.1	3.2	0.8
1357118	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	606288	5819628	17-Sep-11	VAN11004932	15.7	7.6	93	<0.1	4.1	0.8
1357119	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Dark brown	606315	5819666	17-Sep-11	VAN11004932	40.4	11.5	171	0.3	2	<0.5
1357120	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606351	5819702	17-Sep-11	VAN11004932	21.1	11.1	94	<0.1	5.5	0.6
1357121	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606381	5819743	17-Sep-11	VAN11004932	25.5	7.1	72	<0.1	4.4	<0.5
1357122	Soil	Valley bottom	Talus	Dry	Rocky (angular)	10	Light brown	606425	5819774	17-Sep-11	VAN11004932	21.8	9.6	88	0.1	3.4	2
1357123	Soil	Base of slope	Coniferous forest	Moist	Clay	20	Dark grey	606451	5819813	17-Sep-11	VAN11004932	105.9	9.2	58	0.5	5.4	3.1
1357124	Soil	Flat	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606492	5819852	17-Sep-11	VAN11004932	15.1	5.6	57	0.2	5.7	1.1
1357125	Soil	Hill top	Talus	Moist	Rocky (angular)	10	Light brown	606524	5819890	17-Sep-11	VAN11004932	19	7	98	0.2	7.5	2.7
1357126	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	606560	5819919	17-Sep-11	VAN11004932	58	9.4	100	0.1	18.9	2.9
1357127	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	606592	5819951	17-Sep-11	VAN11004932	21.8	8.5	86	0.1	7.3	3.1
1357128	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606628	5819992	17-Sep-11	VAN11004932	44.6	4.2	72	<0.1	4.3	1.5
1357129	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606670	5820025	17-Sep-11	VAN11004932	18.4	7.8	80	<0.1	6	1.2
1357130	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606698	5820064	17-Sep-11	VAN11004932	5.3	11.3	33	<0.1	1.6	0.7
1357131	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606737	5820097	17-Sep-11	VAN11004932	16.1	7.6	95	0.1	3.8	1.3
1357132	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606772	5820132	17-Sep-11	VAN11004932	33.4	11.3	111	0.2	4.7	1.3
1357133	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606810	5820166	17-Sep-11	VAN11004932	13.9	8.2	63	0.2	2.7	0.9
1357134	Soil	Base of slope	Creek bottom	Dry	Rocky (angular)	10	Light brown	606845	5820199	17-Sep-11	VAN11004932	81.7	57.9	168	0.6	96.1	37.9
1357135	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606883	5820232	17-Sep-11	VAN11004932	24.5	8.6	163	0.1	9.7	0.6
1357136	Soil	Valley bottom	Coniferous forest	Wet	Peat	40	Dark brown	606921	5820271	17-Sep-11	VAN11004932	58.6	2.3	58	0.5	1.2	0.9

Appendix 1

Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1357137	Soil	Valley bottom	Mixed forest	Moist	Clay	20	Dark brown	607020	5820375	17-Sep-11	VAN11004932	92.2	10.8	91	0.9	25.4	7.9
1357138	Soil	Valley bottom	Mixed forest	Dry	Clay	30	Light brown	607056	5820407	17-Sep-11	VAN11004932	73	8.3	115	0.6	19	6.8
1357139	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	10	Dark brown	607097	5820449	17-Sep-11	VAN11004932	55.9	9.3	122	0.5	19.5	4.7
1357140	Dup	Gentle slope	Mixed forest	Moist	Rocky (angular)	20	Light brown	607131	5820484	17-Sep-11	VAN11004932	19.5	6	79	0.1	10.2	1.7
1357141	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	20	Light brown	607131	5820484	17-Sep-11	VAN11004932	18.9	5.7	79	0.1	9.3	2.7
1357142	Soil	Gentle slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	607162	5820517	17-Sep-11	VAN11004932	35.6	6.9	80	0.5	12.9	2.1
1357143	Soil	Steep slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	607201	5820549	17-Sep-11	VAN11004932	21.8	4.9	70	0.1	10.3	0.5
1357144	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	20	Light brown	607237	5820591	17-Sep-11	VAN11004932	17.9	4.9	64	0.1	19.9	7.4
1357145	Soil	Hill top	Coniferous forest	Dry	Gravel (rounded)	10	Light brown	605853	5819773	18-Sep-11	VAN11004932	6	5.8	52	<0.1	2.7	1.1
1357146	Soil	Gentle slope	Coniferous forest	Moist	Sandy	10	Light brown	605893	5819804	18-Sep-11	VAN11004932	40.7	6.3	69	<0.1	10	1.7
1357147	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Light brown	605930	5819845	18-Sep-11	VAN11004932	19.1	7	93	<0.1	4.9	1.3
1357148	Soil	Gentle slope	Coniferous forest	Dry	Sandy	10	Orange	605959	5819886	18-Sep-11	VAN11004932	30.8	6.8	108	0.1	10.2	1.5
1357149	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Light brown	606002	5819919	18-Sep-11	VAN11004932	8.5	6.8	75	<0.1	3.5	0.9
1357150	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	606032	5819954	18-Sep-11	VAN11004932	29.8	7.4	94	<0.1	5.7	2.2
1357151	Soil	Steep slope	Creek bottom	Dry	Rocky (angular)	10	Light brown	606066	5819987	18-Sep-11	VAN11004932	54.3	8.7	157	0.3	6.5	<0.5
1357152	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	606104	5820023	18-Sep-11	VAN11004932	30	6.9	90	0.1	6.7	<0.5
1357153	Soil	Steep slope	Coniferous forest	Moist	Rocky (angular)	20	Dark brown	606137	5820058	18-Sep-11	VAN11004932	126.6	8.6	91	0.4	15.9	3.7
1357154	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606174	5820096	18-Sep-11	VAN11004932	48.8	7	57	<0.1	6.9	1.6
1357155	Soil	Steep slope	Creek bottom	Wet	Clay	10	Dark brown	606206	5820135	18-Sep-11	VAN11004932	179.9	10.2	124	0.9	16.9	3.6
1357156	Soil	Steep slope	Coniferous forest	Moist	Sandy	10	Light brown	606242	5820176	18-Sep-11	VAN11004932	22.8	5.8	74	0.1	9.8	0.6
1357157	Soil	Steep slope	Coniferous forest	Moist	Rocky (angular)	20	Dark brown	606277	5820201	18-Sep-11	VAN11004932	52.4	8.5	115	0.4	10.7	<0.5
1357158	Soil	Steep slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	606313	5820241	18-Sep-11	VAN11004932	22.8	7	75	0.2	7.8	<0.5
1357159	Soil	Gentle slope	Mixed forest	Dry	Sandy	10	Light brown	606345	5820278	18-Sep-11	VAN11004932	19	8.7	94	0.2	9.5	<0.5
1357160	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Light brown	606382	5820310	18-Sep-11	VAN11004932	44.4	6.3	91	0.1	7.6	0.7
1357161	Soil	Steep slope	Mixed forest	Dry	Sandy	10	Light brown	606419	5820347	18-Sep-11	VAN11004932	40.7	8.4	83	0.2	14.8	0.8
1357162	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	606458	5820378	18-Sep-11	VAN11004932	26.2	5.6	101	0.3	10.4	<0.5
1357163	Soil	Gentle slope	Mixed forest	Moist	Clay	20	Light brown	606491	5820416	18-Sep-11	VAN11004932	39.2	7.7	99	0.5	15.9	1.7
1357164	Soil	Valley bottom	Mixed forest	Dry	Clay	20	Grey	606527	5820448	18-Sep-11	VAN11004932	52.7	7.5	77	0.2	20.2	1.4
1357165	Soil	Valley bottom	Mixed forest	Moist	Clay	20	Dark grey	606555	5820484	18-Sep-11	VAN11004932	55.3	11.5	107	0.7	8.4	1.7
1357166	Soil	Valley bottom	Coniferous forest	Wet	Clay	30	Dark grey	606597	5820521	18-Sep-11	VAN11004932	104.2	5.9	52	1.4	14.2	2.5
1357167	Soil	Valley bottom	Coniferous forest	Wet	Peat	30	Dark brown	606629	5820552	18-Sep-11	VAN11004931	11.1	2.5	40	0.2	1.5	<0.5
1357168	Dup	Valley bottom	Coniferous forest	Dry	Sandy	10	Light brown	606670	5820588	18-Sep-11	VAN11004932	11.6	5.2	71	0.2	11.2	<0.5
1357169	Soil	Valley bottom	Coniferous forest	Dry	Sandy	10	Light brown	606670	5820588	18-Sep-11	VAN11004932	11.2	5.2	71	0.2	10.8	<0.5
1357170	Soil	Valley bottom	Coniferous forest	Moist	Clay	10	Dark grey	606702	5820627	18-Sep-11	VAN11004932	55.9	11.7	116	0.8	15.4	1.4
1357171	Soil	Valley bottom	Mixed forest	Wet	Peat	30	Dark brown	606806	5820741	18-Sep-11	VAN11004932	57.3	0.9	6	0.2	6	1.4
1357172	Soil	Gentle slope	Mixed forest	Moist	Clay	40	Light brown	606845	5820767	18-Sep-11	VAN11004932	65	8.4	94	0.8	104	1.4
1357173	Soil	Gentle slope	Mixed forest	Moist	Rocky (angular)	10	Orange	606879	5820805	18-Sep-11	VAN11004932	18.4	5.6	44	0.1	18.6	<0.5
1357174	Soil	Steep slope	Mixed forest	Moist	Sandy	10	Light brown	606916	5820830	18-Sep-11	VAN11004932	18.6	5.6	55	0.1	14.1	0.5
1357175	Soil	Steep slope	Mixed forest	Moist	Rocky (angular)	10	Dark grey	606950	5820869	18-Sep-11	VAN11004932	82.4	9	77	0.2	39	3.9
1357176	Soil	Gentle slope	Coniferous forest	Moist	Sandy	10	Light brown	607585	5820949	18-Sep-11	VAN11004932	80	10	86	0.1	40.6	3.1
1357177	Soil	Gentle slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607550	5820910	18-Sep-11	VAN11004932	86.6	14.5	151	0.4	643.6	50.2
1357178	Soil	Hill top	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607515	5820878	18-Sep-11	VAN11004932	20.3	9.1	117	0.4	24.2	<0.5
1357179	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	20	Light brown	607480	5820848	18-Sep-11	VAN11004932	38.3	5.9	109	0.3	108	<0.5
1357180	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	607437	5820804	18-Sep-11	VAN11004932	30.6	5.8	82	0.1	97	<0.5

Appendix 1

Cedar-Louis Property Soil Sample Summary Data

Sample No	Type	Topography	Enviroment	Drainage	Material	Depth (cm)	Colour	UTM E	UTM N	Date	Batch	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppm)
1357181	Soil	Steep slope	Coniferous forest	Dry	Sandy	20	Light brown	607410	5820765	18-Sep-11	VAN11004932	14.1	4.5	72	0.1	13	3.4
1357182	Soil	Gentle slope	Coniferous forest	Moist	Rocky (angular)	10	Dark brown	607380	5820730	18-Sep-11	VAN11004932	24.7	6.6	118	0.5	11.5	<0.5
1357183	Soil	Steep slope	Coniferous forest	Dry	Rocky (angular)	10	Light brown	607335	5820699	18-Sep-11	VAN11004932	11.2	4.8	82	<0.1	9.7	<0.5
1357184	Dup	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	607301	5820663	18-Sep-11	VAN11004932	54.4	7.3	77	0.2	27.4	4.2
1357185	Soil	Steep slope	Coniferous forest	Dry	Sandy	10	Light brown	607301	5820663	18-Sep-11	VAN11004932	51.2	7	73	0.2	26.2	2.8
1357186	Soil	Steep slope	Mixed forest	Dry	Rocky (angular)	10	Light brown	607265	5820623	18-Sep-11	VAN11004932	26.1	5.4	97	0.2	18.5	2

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Submitted By: Stephen Wetherup
Receiving Lab: Canada-Vancouver
Received: September 21, 2011
Report Date: October 22, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN11004932.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 186

SAMPLE DISPOSAL

RTRN-PLP Return
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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	186	Dry at 60C			VAN
SS80	186	Dry at 60C sieve 100g to -80 mesh			VAN
1DX1	186	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Caracle Creek Int'l Consulting (ON)
25 Frood Road
Sudbury ON P3C 4Y9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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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Suite 1409 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: None Given
Report Date: October 22, 2011

CERTIFICATE OF ANALYSIS VAN11004932.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1357101	Soil	0.8	34.3	5.7	88	0.2	24.6	9.1	394	2.11	14.1	2.6	1.4	45	0.3	0.7	0.1	49	0.69	0.073	7
1357102	Soil	1.2	31.3	4.9	60	0.2	29.9	11.5	350	2.65	17.8	1.3	1.5	19	0.2	0.9	0.1	60	0.36	0.059	7
1357103	Soil	0.8	21.0	5.1	65	<0.1	24.0	10.2	239	2.43	26.2	0.9	1.6	19	0.2	1.2	0.1	60	0.39	0.042	7
1357104	Soil	1.2	56.6	7.2	80	<0.1	84.6	25.2	591	3.41	14.9	5.8	3.4	46	0.2	1.2	0.2	73	0.65	0.051	12
1357105	Soil	0.6	27.5	5.8	89	<0.1	32.4	11.0	327	2.28	4.4	2.4	3.1	25	0.3	0.6	0.1	46	0.27	0.030	13
1357106	Soil	0.7	76.5	9.2	81	0.7	45.2	11.7	283	3.31	12.5	3.5	2.0	80	0.3	1.0	0.2	70	0.87	0.045	17
1357107	Soil	0.3	22.2	7.7	100	<0.1	19.8	9.3	768	2.30	2.5	2.3	2.3	25	0.2	0.3	0.2	47	0.28	0.059	10
1357108	Soil	0.4	6.3	5.6	44	<0.1	11.7	4.8	137	1.58	1.6	<0.5	2.4	6	<0.1	0.1	0.2	27	0.09	0.022	9
1357109	Soil	0.5	10.1	7.2	66	<0.1	18.1	7.0	975	2.00	1.6	0.9	2.4	11	0.1	0.1	0.2	36	0.13	0.037	9
1357110	Soil	0.8	28.2	8.1	123	<0.1	26.0	13.5	308	3.23	3.4	0.9	2.4	27	0.2	0.3	0.2	69	0.29	0.077	9
1357111	Soil	0.7	21.0	9.1	70	<0.1	30.0	11.2	219	2.60	3.9	<0.5	4.3	13	0.1	0.2	0.2	31	0.11	0.071	12
1357112	Soil	0.4	9.2	8.2	74	<0.1	15.3	7.0	326	2.01	2.8	<0.5	3.3	14	<0.1	<0.1	0.2	26	0.11	0.126	11
1357113	Soil	0.5	8.0	8.3	90	<0.1	16.4	7.5	917	2.11	1.7	0.8	2.8	13	0.1	0.1	0.2	32	0.16	0.084	9
1357114	Soil	0.5	45.8	6.4	113	0.2	38.6	22.6	713	4.60	3.2	2.6	1.0	21	0.2	0.1	0.2	125	0.63	0.112	4
1357115	Soil	0.4	5.0	5.2	32	<0.1	9.3	3.5	130	1.19	2.3	<0.5	1.6	8	<0.1	<0.1	0.1	26	0.10	0.026	8
1357116	Soil	0.6	27.3	9.4	130	0.2	25.1	18.3	1162	3.67	4.2	1.1	2.0	21	0.2	0.2	0.2	85	0.46	0.124	8
1357117	Soil	0.5	28.0	6.7	113	0.1	23.6	15.2	1059	3.05	3.2	0.8	1.6	37	0.5	0.2	0.2	82	0.80	0.063	6
1357118	Soil	0.8	15.7	7.6	93	<0.1	23.2	9.5	293	2.70	4.1	0.8	3.0	13	0.2	0.2	0.2	51	0.17	0.056	11
1357119	Soil	0.6	40.4	11.5	171	0.3	13.5	20.8	2565	3.96	2.0	<0.5	0.9	65	1.1	0.2	0.1	122	0.92	0.162	4
1357120	Soil	0.8	21.1	11.1	94	<0.1	24.1	9.8	882	3.19	5.5	0.6	2.3	15	0.3	0.3	0.2	71	0.27	0.131	9
1357121	Soil	0.8	25.5	7.1	72	<0.1	31.7	12.8	483	2.38	4.4	<0.5	2.1	14	0.1	0.4	0.1	47	0.23	0.046	11
1357122	Soil	1.3	21.8	9.6	88	0.1	21.0	8.9	261	3.65	3.4	2.0	2.5	10	0.1	0.2	0.2	101	0.28	0.087	7
1357123	Soil	0.8	105.9	9.2	58	0.5	41.5	19.3	315	3.13	5.4	3.1	3.2	94	0.3	0.3	0.1	85	0.88	0.040	15
1357124	Soil	0.8	15.1	5.6	57	0.2	18.8	8.5	387	1.96	5.7	1.1	1.9	16	0.5	0.4	<0.1	45	0.26	0.078	10
1357125	Soil	1.2	19.0	7.0	98	0.2	37.2	12.7	573	2.71	7.5	2.7	2.1	28	0.7	0.4	0.1	59	0.47	0.055	10
1357126	Soil	1.6	58.0	9.4	100	0.1	49.8	18.5	685	3.28	18.9	2.9	3.6	30	0.4	1.7	0.1	74	0.48	0.069	13
1357127	Soil	0.8	21.8	8.5	86	0.1	27.5	8.8	187	3.00	7.3	3.1	3.3	13	0.2	0.4	0.1	45	0.17	0.170	12
1357128	Soil	0.9	44.6	4.2	72	<0.1	58.6	18.5	487	2.86	4.3	1.5	1.7	21	0.2	0.3	<0.1	66	0.36	0.055	7
1357129	Soil	0.9	18.4	7.8	80	<0.1	31.5	11.4	197	2.88	6.0	1.2	3.1	11	0.1	0.3	0.1	51	0.14	0.070	11
1357130	Soil	0.5	5.3	11.3	33	<0.1	4.6	2.5	117	1.51	1.6	0.7	0.8	11	0.1	<0.1	0.3	60	0.21	0.041	7

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1357101	Soil	36	0.50	76	0.064	<20	1.38	0.006	0.06	<0.1	0.07	2.0	<0.1	<0.05	5	<0.5	<0.2
1357102	Soil	40	0.68	71	0.053	<20	1.72	0.005	0.05	0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
1357103	Soil	37	0.56	47	0.059	<20	1.45	0.004	0.04	0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
1357104	Soil	69	1.50	47	0.106	<20	1.91	0.007	0.09	0.1	0.05	4.6	0.2	<0.05	6	<0.5	<0.2
1357105	Soil	40	0.60	52	0.067	<20	1.44	0.006	0.08	0.1	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
1357106	Soil	62	0.74	96	0.063	<20	2.15	0.010	0.13	0.1	0.16	5.0	0.2	<0.05	6	1.5	<0.2
1357107	Soil	25	0.37	58	0.062	<20	1.55	0.007	0.07	<0.1	0.03	1.7	<0.1	<0.05	5	0.6	<0.2
1357108	Soil	18	0.26	40	0.039	<20	0.83	0.003	0.05	<0.1	0.02	0.8	<0.1	<0.05	4	<0.5	<0.2
1357109	Soil	21	0.35	76	0.052	<20	1.27	0.004	0.08	<0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1357110	Soil	35	0.59	52	0.087	<20	1.93	0.006	0.08	0.1	0.03	1.7	0.2	<0.05	7	<0.5	<0.2
1357111	Soil	28	0.47	67	0.052	<20	1.78	0.005	0.11	0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
1357112	Soil	19	0.30	79	0.031	<20	1.32	0.004	0.07	0.1	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1357113	Soil	13	0.34	87	0.058	<20	1.41	0.005	0.07	0.1	0.04	1.2	0.1	<0.05	5	<0.5	<0.2
1357114	Soil	47	1.41	39	0.252	<20	2.22	0.008	0.06	0.2	0.04	3.4	<0.1	<0.05	10	<0.5	<0.2
1357115	Soil	17	0.21	34	0.063	<20	0.61	0.002	0.04	<0.1	0.02	0.7	<0.1	<0.05	4	<0.5	<0.2
1357116	Soil	32	0.72	102	0.127	<20	1.88	0.006	0.07	<0.1	0.06	2.6	<0.1	<0.05	8	<0.5	<0.2
1357117	Soil	23	0.88	81	0.130	<20	1.97	0.006	0.08	<0.1	0.04	3.0	<0.1	<0.05	7	<0.5	<0.2
1357118	Soil	32	0.52	56	0.055	<20	1.71	0.005	0.09	<0.1	0.03	1.6	0.1	<0.05	6	<0.5	<0.2
1357119	Soil	16	0.74	151	0.197	<20	1.90	0.010	0.10	<0.1	0.14	4.3	<0.1	0.07	9	<0.5	<0.2
1357120	Soil	37	0.47	103	0.079	<20	1.82	0.005	0.10	<0.1	0.05	1.8	0.1	<0.05	7	<0.5	<0.2
1357121	Soil	39	0.59	67	0.063	<20	1.70	0.006	0.08	<0.1	0.05	1.9	<0.1	<0.05	5	<0.5	<0.2
1357122	Soil	41	0.51	54	0.152	<20	2.07	0.006	0.07	0.1	0.09	2.0	0.1	<0.05	10	<0.5	<0.2
1357123	Soil	67	0.78	39	0.089	<20	2.59	0.011	0.07	0.1	0.21	9.0	0.1	0.08	6	0.5	<0.2
1357124	Soil	32	0.45	45	0.054	<20	1.12	0.005	0.05	<0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1357125	Soil	40	0.63	65	0.085	<20	1.59	0.006	0.08	0.3	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
1357126	Soil	65	0.97	73	0.092	<20	1.94	0.008	0.12	0.1	0.09	4.8	0.1	<0.05	6	<0.5	<0.2
1357127	Soil	38	0.61	68	0.043	<20	1.97	0.006	0.10	<0.1	0.04	1.9	<0.1	<0.05	5	<0.5	<0.2
1357128	Soil	76	1.12	46	0.088	<20	1.97	0.007	0.05	<0.1	0.02	2.0	<0.1	0.05	6	<0.5	<0.2
1357129	Soil	36	0.52	83	0.066	<20	1.95	0.006	0.10	<0.1	0.03	1.7	0.1	0.09	7	<0.5	<0.2
1357130	Soil	16	0.09	35	0.105	<20	0.83	0.004	0.02	<0.1	0.04	0.9	<0.1	0.05	8	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1357131	Soil		0.6	16.1	7.6	95	0.1	24.0	14.5	1193	2.44	3.8	1.3	0.7	18	0.4	0.1	0.1	70	0.50	0.116	6
1357132	Soil		0.9	33.4	11.3	111	0.2	36.6	19.8	831	3.63	4.7	1.3	2.3	22	<0.1	0.3	0.2	84	0.26	0.074	11
1357133	Soil		0.7	13.9	8.2	63	0.2	14.4	8.2	203	2.63	2.7	0.9	2.0	17	0.3	0.1	0.2	75	0.34	0.083	8
1357134	Soil		0.6	81.7	57.9	168	0.6	142.0	34.2	877	4.59	96.1	37.9	2.1	64	0.9	3.7	<0.1	112	0.73	0.078	9
1357135	Soil		2.2	24.5	8.6	163	0.1	23.1	8.0	231	3.27	9.7	0.6	2.4	18	0.7	0.9	0.1	77	0.20	0.083	10
1357136	Soil		1.7	58.6	2.3	58	0.5	11.1	1.3	111	0.25	1.2	0.9	0.1	227	8.9	1.1	<0.1	3	1.52	0.050	2
1357137	Soil		3.5	92.2	10.8	91	0.9	51.5	13.6	476	3.44	25.4	7.9	1.4	83	0.7	1.7	0.3	61	1.45	0.071	18
1357138	Soil		1.8	73.0	8.3	115	0.6	39.4	12.3	469	2.69	19.0	6.8	1.6	51	1.8	1.1	0.2	51	0.73	0.060	15
1357139	Soil		2.8	55.9	9.3	122	0.5	44.2	15.8	520	3.15	19.5	4.7	2.5	50	1.7	1.6	0.2	76	0.89	0.049	10
1357140	Soil		1.2	19.5	6.0	79	0.1	22.0	9.7	210	2.25	10.2	1.7	1.9	19	0.3	0.5	0.1	52	0.29	0.037	9
1357141	Soil		1.0	18.9	5.7	79	0.1	22.1	9.1	202	2.13	9.3	2.7	1.9	17	0.2	0.5	0.1	53	0.26	0.031	9
1357142	Soil		0.8	35.6	6.9	80	0.5	32.6	12.8	565	2.57	12.9	2.1	2.5	35	0.5	0.6	0.1	59	0.73	0.036	11
1357143	Soil		0.8	21.8	4.9	70	0.1	23.4	9.6	262	2.34	10.3	0.5	2.6	16	0.3	0.4	0.2	55	0.35	0.026	11
1357144	Soil		1.2	17.9	4.9	64	0.1	20.4	7.7	193	2.42	19.9	7.4	2.2	16	0.3	0.7	0.1	59	0.32	0.078	9
1357145	Soil		0.5	6.0	5.8	52	<0.1	11.5	5.6	123	1.48	2.7	1.1	3.6	9	0.1	0.1	0.1	30	0.11	0.030	13
1357146	Soil		0.8	40.7	6.3	69	<0.1	28.3	10.9	223	2.51	10.0	1.7	3.2	15	0.2	0.5	0.1	60	0.22	0.065	13
1357147	Soil		0.7	19.1	7.0	93	<0.1	28.7	9.9	171	2.44	4.9	1.3	4.9	10	0.2	0.3	0.1	36	0.11	0.051	16
1357148	Soil		1.4	30.8	6.8	108	0.1	27.9	13.0	311	3.21	10.2	1.5	3.1	26	0.3	0.6	0.1	85	0.35	0.057	11
1357149	Soil		0.4	8.5	6.8	75	<0.1	14.3	6.9	595	1.71	3.5	0.9	2.8	22	0.2	0.2	0.1	37	0.25	0.048	13
1357150	Soil		1.1	29.8	7.4	94	<0.1	37.2	14.2	270	3.53	5.7	2.2	3.5	13	0.2	0.5	0.2	77	0.21	0.077	12
1356651	Soil		1.9	54.3	7.7	100	0.4	34.1	15.4	668	3.06	13.9	3.3	1.7	42	0.7	1.0	0.1	63	0.65	0.039	10
1356652	Soil		2.0	36.7	6.8	165	0.5	28.8	14.5	476	2.85	11.8	0.6	1.6	34	1.1	0.8	0.1	58	0.42	0.055	8
1356653	Soil		2.7	85.6	11.3	132	0.8	47.4	22.6	1631	4.10	19.9	<0.5	2.1	63	1.3	1.0	0.2	87	1.15	0.052	12
1356654	Soil		2.3	68.7	9.5	101	0.4	33.7	14.8	650	3.02	17.6	3.6	1.1	59	0.6	1.7	0.1	60	1.17	0.059	9
1356655	Soil		1.5	46.4	5.3	58	0.5	27.6	12.9	641	2.72	13.7	3.4	1.3	37	0.4	1.3	<0.1	62	0.82	0.033	10
1356656	Soil		1.7	54.2	7.0	110	0.3	34.8	18.6	1080	3.36	13.0	3.0	0.7	48	0.6	0.8	0.1	78	0.95	0.069	10
1356657	Soil		1.4	47.1	7.0	145	0.3	26.6	16.1	605	2.72	9.6	2.3	0.6	34	0.6	0.7	0.2	67	0.68	0.072	10
1356658	Soil		2.7	91.6	7.8	103	0.3	46.1	23.0	1019	3.71	14.9	4.6	1.1	46	0.6	0.9	0.1	83	0.80	0.073	17
1356659	Soil		1.1	30.8	5.2	101	0.2	22.0	12.2	337	3.00	8.9	0.9	1.6	14	0.3	0.6	<0.1	73	0.33	0.076	7
1356660	Soil		0.7	12.6	4.9	40	<0.1	7.3	5.2	937	1.32	6.9	1.6	0.8	23	0.3	0.4	<0.1	45	0.42	0.030	8

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Vancouver BC V6C 1T2 Canada

Project: None Given
Report Date: October 22, 2011

CERTIFICATE OF ANALYSIS VAN11004932.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1357131	Soil	32	0.63	91	0.115	<20	1.46	0.006	0.06	<0.1	0.06	1.7	0.1	<0.05	7	<0.5	<0.2
1357132	Soil	59	0.56	106	0.049	<20	2.79	0.008	0.09	<0.1	0.07	2.7	0.2	<0.05	9	<0.5	<0.2
1357133	Soil	30	0.34	47	0.096	<20	1.28	0.005	0.06	<0.1	0.04	1.8	<0.1	<0.05	7	<0.5	<0.2
1357134	Soil	220	2.94	29	0.116	<20	2.47	0.010	0.06	1.9	0.09	8.3	<0.1	0.05	8	<0.5	<0.2
1357135	Soil	26	0.56	65	0.057	<20	1.96	0.006	0.07	0.1	0.05	2.6	0.1	0.05	7	<0.5	<0.2
1357136	Soil	5	0.14	14	0.007	<20	0.18	0.008	0.02	<0.1	0.14	0.5	<0.1	0.18	<1	1.0	<0.2
1357137	Soil	58	0.61	163	0.051	<20	2.51	0.010	0.18	0.1	0.12	5.2	0.2	0.11	6	1.7	<0.2
1357138	Soil	49	0.63	108	0.050	<20	1.74	0.009	0.12	0.1	0.07	4.4	0.1	0.06	5	1.2	<0.2
1357139	Soil	63	0.79	102	0.074	<20	2.25	0.010	0.14	0.1	0.03	5.1	0.2	0.06	6	1.4	<0.2
1357140	Soil	36	0.41	51	0.057	<20	1.38	0.007	0.08	0.1	0.02	2.3	<0.1	<0.05	5	0.7	<0.2
1357141	Soil	36	0.39	47	0.054	<20	1.29	0.005	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	0.6	<0.2
1357142	Soil	48	0.66	79	0.076	<20	1.77	0.013	0.08	<0.1	0.03	4.0	<0.1	<0.05	5	0.5	<0.2
1357143	Soil	36	0.54	44	0.061	<20	1.41	0.006	0.06	<0.1	0.01	2.7	0.1	<0.05	5	<0.5	<0.2
1357144	Soil	39	0.45	52	0.065	<20	1.53	0.006	0.05	0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1357145	Soil	21	0.30	36	0.049	<20	0.87	0.004	0.05	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1357146	Soil	36	0.65	54	0.060	<20	1.79	0.006	0.07	<0.1	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
1357147	Soil	31	0.55	74	0.046	<20	1.72	0.005	0.09	0.3	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
1357148	Soil	44	0.62	66	0.085	<20	2.18	0.007	0.10	0.1	0.03	3.0	0.1	<0.05	6	0.5	<0.2
1357149	Soil	24	0.31	102	0.042	<20	1.15	0.006	0.07	<0.1	0.01	1.6	0.1	<0.05	5	<0.5	<0.2
1357150	Soil	55	0.72	62	0.095	<20	2.30	0.008	0.11	<0.1	0.03	3.4	0.1	<0.05	7	<0.5	<0.2
1356651	Soil	54	0.70	114	0.064	<20	2.01	0.009	0.10	<0.1	0.04	4.7	0.1	<0.05	5	1.4	<0.2
1356652	Soil	50	0.64	115	0.057	<20	1.58	0.006	0.07	<0.1	0.04	3.0	<0.1	<0.05	5	0.6	<0.2
1356653	Soil	71	0.78	165	0.080	<20	2.94	0.011	0.15	<0.1	0.08	7.1	0.2	<0.05	7	1.2	<0.2
1356654	Soil	49	0.71	109	0.061	<20	1.87	0.008	0.10	<0.1	0.08	4.5	<0.1	0.09	5	1.3	<0.2
1356655	Soil	50	0.79	76	0.094	<20	1.69	0.006	0.07	0.1	0.04	4.6	<0.1	<0.05	5	0.8	<0.2
1356656	Soil	66	0.99	126	0.068	<20	2.48	0.008	0.10	<0.1	0.04	4.0	<0.1	<0.05	7	<0.5	<0.2
1356657	Soil	50	0.70	112	0.068	<20	2.32	0.011	0.08	<0.1	0.03	3.7	<0.1	<0.05	7	0.5	<0.2
1356658	Soil	73	1.14	144	0.088	<20	2.86	0.010	0.12	<0.1	0.08	7.0	<0.1	<0.05	7	0.7	<0.2
1356659	Soil	44	0.64	99	0.076	<20	2.41	0.006	0.05	<0.1	0.04	3.7	<0.1	<0.05	6	<0.5	<0.2
1356660	Soil	22	0.21	92	0.064	<20	0.92	0.006	0.05	<0.1	0.03	2.1	<0.1	<0.05	4	0.5	<0.2

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356661	Soil	0.8	36.6	5.2	63	0.2	27.9	12.0	466	2.62	9.1	3.5	1.6	32	0.2	0.7	<0.1	72	0.73	0.036	10
1356662	Soil	10.6	149.1	14.1	138	0.6	96.2	47.2	5034	6.72	39.8	6.0	1.7	70	1.1	1.1	0.2	130	1.25	0.119	22
1356663	Soil	1.9	24.9	5.9	67	0.1	17.1	9.9	351	3.26	13.3	<0.5	1.4	18	0.6	0.8	0.1	100	0.40	0.032	8
1356664	Soil	1.1	27.2	5.8	80	0.2	24.4	11.3	700	2.75	15.1	1.4	1.2	20	0.4	0.9	<0.1	70	0.43	0.064	9
1356665	Soil	2.4	70.1	8.3	90	0.4	47.9	20.3	1161	3.52	17.2	4.4	1.2	42	0.4	1.1	0.1	85	0.67	0.059	13
1356666	Soil	3.1	318.5	10.2	115	2.0	76.3	25.0	1242	4.44	41.6	8.4	0.9	166	1.7	3.2	0.2	76	2.83	0.123	20
1356667	Soil	1.5	24.6	5.8	83	0.1	20.2	14.2	471	2.39	11.1	2.6	0.6	32	0.4	0.8	0.1	73	0.63	0.034	9
1356668	Soil	1.3	49.4	5.8	93	0.2	26.8	11.2	378	2.95	14.7	1.8	1.2	37	0.8	0.9	0.1	80	0.77	0.024	10
1356669	Soil	2.2	119.9	8.6	116	0.9	49.7	18.9	790	4.09	26.8	3.2	1.0	79	1.2	2.0	0.2	86	1.61	0.047	11
1356670	Soil	1.3	50.9	6.2	60	0.3	30.0	12.6	435	2.65	22.2	32.4	1.5	23	0.2	0.8	<0.1	68	0.55	0.039	12
1356671	Soil	0.8	34.1	5.1	66	0.3	21.2	13.0	424	2.79	20.1	1.7	1.7	15	0.3	0.5	<0.1	80	0.41	0.029	11
1356672	Soil	1.0	32.9	6.2	81	0.3	26.2	11.3	369	3.72	45.5	2.6	2.2	16	0.2	1.1	0.1	82	0.40	0.128	8
1356673	Soil	1.3	181.2	13.7	101	0.2	31.8	35.6	1341	5.30	181.5	46.4	1.7	35	0.3	12.8	0.1	137	0.79	0.072	13
1356674	Soil	1.3	34.1	5.8	67	0.1	29.8	12.3	493	2.70	22.6	1.2	1.6	27	0.4	1.0	<0.1	69	0.53	0.033	9
1356675	Soil	1.4	44.9	6.9	92	0.6	30.5	15.0	667	3.11	28.7	7.4	1.6	34	0.5	1.3	0.1	78	0.71	0.048	10
1356676	Soil	1.3	33.0	5.8	55	0.3	25.8	13.5	604	2.71	32.7	1.4	2.4	17	0.2	1.1	0.1	69	0.41	0.027	12
1356677	Soil	1.0	27.3	4.2	65	0.1	24.5	10.3	329	3.13	22.9	2.0	1.8	17	0.4	1.2	<0.1	75	0.46	0.072	7
1356678	Soil	1.1	19.9	5.2	112	0.3	16.5	8.8	401	2.61	20.4	<0.5	1.4	13	0.4	0.9	0.1	71	0.37	0.045	7
1356679	Soil	1.4	34.4	6.7	67	0.4	23.4	11.0	323	3.13	37.5	1.5	1.7	17	0.3	1.3	0.1	82	0.36	0.067	8
1356680	Soil	1.1	26.5	5.5	87	0.3	17.1	10.9	511	3.01	16.9	<0.5	1.3	16	0.3	1.0	0.1	80	0.46	0.104	7
1356681	Soil	1.3	71.1	9.2	68	<0.1	36.1	20.1	809	3.37	35.3	5.4	1.4	24	0.3	4.4	0.1	88	0.69	0.064	9
1356682	Soil	2.5	50.6	5.5	44	0.4	31.3	14.5	1417	2.65	22.0	1.5	0.8	69	0.4	2.8	0.1	70	1.46	0.041	8
1356683	Soil	1.6	53.6	6.4	76	0.4	36.3	15.4	642	2.88	27.9	<0.5	1.0	63	0.5	3.3	0.1	68	1.32	0.043	8
1356684	Soil	1.3	22.4	6.3	97	0.3	25.7	9.7	281	3.63	64.7	1.0	2.1	16	0.4	1.1	0.1	87	0.35	0.133	8
1356685	Soil	1.2	22.6	6.0	98	0.3	26.2	9.8	273	3.42	62.7	0.6	2.1	16	0.5	1.0	0.1	81	0.34	0.117	8
1356686	Soil	1.1	13.4	5.7	57	0.2	11.1	7.3	228	1.95	10.0	5.8	1.1	13	0.4	0.7	0.1	66	0.32	0.069	7
1356687	Soil	0.9	36.7	5.4	61	0.2	28.4	11.0	589	2.53	11.5	0.7	1.5	28	0.3	0.9	<0.1	70	0.57	0.026	9
1356688	Soil	2.9	119.0	8.4	112	0.9	58.3	16.9	675	4.25	19.8	1.7	1.4	68	0.6	1.2	0.2	96	0.97	0.071	15
1356689	Soil	1.3	56.4	6.2	68	0.2	41.7	15.0	622	2.82	12.2	1.9	1.2	89	0.4	1.2	0.1	73	0.83	0.032	9
1356690	Soil	3.0	54.7	6.4	87	0.3	38.1	18.9	2156	3.64	35.1	2.1	1.1	44	0.9	1.4	<0.1	68	0.81	0.066	9

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356661	Soil	57	0.85	65	0.094	<20	1.90	0.008	0.06	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
1356662	Soil	158	1.57	280	0.077	<20	5.19	0.013	0.19	0.1	0.12	13.2	0.2	0.07	11	1.5	<0.2
1356663	Soil	45	0.56	83	0.116	<20	1.77	0.005	0.04	0.1	0.01	3.7	<0.1	<0.05	7	0.6	<0.2
1356664	Soil	52	0.67	121	0.082	<20	1.75	0.005	0.07	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1356665	Soil	82	1.02	128	0.084	<20	2.70	0.010	0.11	<0.1	0.05	5.7	<0.1	<0.05	7	<0.5	<0.2
1356666	Soil	81	0.83	185	0.055	<20	3.03	0.015	0.17	0.1	0.24	8.0	0.2	0.14	7	3.0	<0.2
1356667	Soil	47	0.57	102	0.061	<20	1.92	0.007	0.06	<0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
1356668	Soil	50	0.74	64	0.075	<20	1.98	0.010	0.06	<0.1	0.01	4.8	<0.1	<0.05	7	<0.5	<0.2
1356669	Soil	69	0.95	135	0.094	<20	2.62	0.013	0.14	0.1	0.07	7.1	<0.1	0.08	7	0.8	<0.2
1356670	Soil	51	0.84	73	0.095	<20	1.96	0.008	0.07	<0.1	0.03	5.4	<0.1	<0.05	6	0.5	<0.2
1356671	Soil	47	0.78	57	0.098	<20	2.14	0.006	0.05	<0.1	0.01	4.9	<0.1	<0.05	6	<0.5	<0.2
1356672	Soil	48	0.80	100	0.081	<20	2.29	0.007	0.07	0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
1356673	Soil	48	1.27	88	0.078	<20	3.05	0.029	0.10	0.1	0.07	12.5	<0.1	<0.05	10	0.9	<0.2
1356674	Soil	47	0.52	69	0.067	<20	1.64	0.006	0.08	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
1356675	Soil	50	0.63	86	0.077	<20	1.95	0.006	0.09	0.1	0.08	4.7	<0.1	<0.05	6	1.1	<0.2
1356676	Soil	43	0.63	61	0.085	<20	1.66	0.006	0.08	0.2	0.05	4.8	<0.1	<0.05	5	<0.5	<0.2
1356677	Soil	41	0.66	55	0.085	<20	1.93	0.005	0.06	0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
1356678	Soil	33	0.46	74	0.087	<20	1.71	0.007	0.04	0.1	0.04	3.4	<0.1	<0.05	6	<0.5	<0.2
1356679	Soil	42	0.48	57	0.075	<20	1.75	0.006	0.07	0.2	0.04	4.3	<0.1	<0.05	6	<0.5	<0.2
1356680	Soil	33	0.50	77	0.085	<20	1.75	0.007	0.05	0.1	0.05	3.7	<0.1	<0.05	7	<0.5	<0.2
1356681	Soil	52	1.05	51	0.101	<20	1.89	0.017	0.07	0.1	0.04	6.4	<0.1	<0.05	6	0.8	<0.2
1356682	Soil	49	0.58	78	0.062	<20	1.58	0.008	0.06	0.1	0.09	4.2	<0.1	<0.05	5	2.1	<0.2
1356683	Soil	53	0.64	72	0.071	<20	1.69	0.010	0.07	0.1	0.06	4.7	<0.1	<0.05	5	1.4	<0.2
1356684	Soil	48	0.56	79	0.077	<20	1.73	0.005	0.06	0.1	0.05	3.1	<0.1	<0.05	6	<0.5	<0.2
1356685	Soil	45	0.56	77	0.078	<20	1.81	0.006	0.06	0.1	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
1356686	Soil	30	0.29	80	0.064	<20	1.10	0.005	0.04	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1356687	Soil	51	0.72	73	0.094	<20	1.70	0.008	0.07	<0.1	0.02	4.5	<0.1	<0.05	5	0.8	<0.2
1356688	Soil	90	1.12	181	0.088	<20	3.32	0.010	0.15	0.1	0.08	8.8	<0.1	<0.05	9	1.5	<0.2
1356689	Soil	76	0.93	74	0.092	<20	1.83	0.010	0.08	0.1	0.03	4.9	<0.1	<0.05	5	0.7	<0.2
1356690	Soil	55	0.94	104	0.075	<20	1.73	0.011	0.07	0.1	0.05	4.8	<0.1	<0.05	5	1.6	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356691	Soil	4.7	19.9	7.2	68	<0.1	17.8	6.5	256	3.02	22.1	<0.5	1.2	18	0.4	1.2	0.1	82	0.24	0.021	6
1356692	Soil	7.0	50.1	10.2	113	0.6	40.4	16.4	1965	3.20	33.2	3.4	1.3	43	2.1	1.7	0.1	58	0.61	0.055	10
1356693	Soil	3.5	71.3	9.5	147	1.3	25.6	11.7	266	2.58	20.8	2.3	0.6	71	3.8	1.4	0.2	54	1.11	0.055	8
1356694	Soil	2.8	27.0	7.2	99	0.1	28.3	17.4	621	3.02	22.0	3.2	1.4	27	1.0	0.9	<0.1	60	0.45	0.022	9
1356695	Soil	2.2	17.0	5.7	65	0.3	14.9	5.5	198	1.88	10.1	1.1	1.2	14	0.4	0.8	<0.1	50	0.24	0.044	7
1356696	Soil	0.9	7.9	5.2	101	0.3	9.8	6.3	745	1.27	3.9	<0.5	1.0	13	0.3	0.3	0.1	44	0.24	0.037	8
1356697	Soil	2.6	34.4	5.4	114	0.1	25.5	8.6	361	2.81	16.0	0.7	1.6	13	0.5	1.2	<0.1	61	0.23	0.112	8
1356698	Soil	3.0	122.6	8.8	130	1.3	44.1	16.4	926	3.37	26.8	1.4	1.9	57	0.8	1.7	0.1	58	0.85	0.057	10
1356699	Soil	1.2	47.4	8.3	105	0.1	42.9	16.8	334	4.12	11.9	<0.5	2.0	16	0.3	0.7	0.1	128	0.40	0.079	7
1356700	Soil	1.1	125.9	10.0	109	0.4	53.7	23.2	1104	4.33	9.5	1.2	2.6	30	0.3	0.6	0.1	131	0.65	0.049	14
1356551	Soil	2.6	97.7	9.4	109	1.4	37.5	15.9	1002	3.03	18.7	1.1	1.6	54	1.1	3.0	0.1	53	0.99	0.041	13
1356552	Soil	2.8	43.6	7.4	83	0.1	30.5	13.9	383	2.93	16.3	<0.5	2.1	18	0.3	1.3	<0.1	62	0.35	0.031	9
1356553	Soil	2.4	29.1	6.8	94	0.1	23.3	9.8	299	2.79	12.9	<0.5	1.7	19	0.3	1.1	<0.1	65	0.28	0.077	8
1356554	Soil	2.3	34.6	6.7	95	0.1	24.8	10.5	363	2.89	14.6	<0.5	1.8	19	0.4	1.1	<0.1	64	0.30	0.076	9
1356555	Soil	2.4	58.2	7.4	96	0.2	33.5	17.2	748	3.14	21.6	2.4	1.8	29	0.5	1.6	<0.1	66	0.54	0.093	10
1356556	Soil	2.0	18.6	6.4	101	0.1	18.1	8.5	313	2.33	9.6	<0.5	1.8	17	0.6	0.8	<0.1	57	0.30	0.059	9
1356557	Soil	4.1	109.0	9.6	175	0.7	43.2	17.1	1523	3.31	24.4	4.6	1.1	43	1.4	2.5	0.1	54	0.67	0.069	20
1356558	Soil	4.4	96.4	11.4	136	1.2	46.3	19.0	1126	3.44	29.7	1.6	1.6	63	1.3	2.1	0.2	56	0.92	0.055	10
1356559	Soil	1.2	29.1	5.2	76	<0.1	17.3	8.3	345	2.81	9.5	1.2	1.4	16	0.3	0.8	0.1	73	0.35	0.073	8
1356560	Soil	1.2	55.2	6.0	91	0.2	24.7	12.3	680	3.19	9.8	2.8	1.5	33	0.2	0.8	0.1	92	0.52	0.075	9
1356561	Soil	1.0	25.3	5.4	75	<0.1	19.6	11.5	1101	2.95	11.3	3.2	1.5	16	0.3	0.8	0.1	69	0.32	0.127	7
1356562	Soil	1.2	15.1	5.2	114	0.1	18.1	7.3	404	2.35	7.0	0.6	1.6	19	0.5	0.5	0.1	60	0.36	0.095	8
1356563	Soil	1.4	26.7	4.8	92	0.2	18.6	10.4	598	2.63	7.8	1.8	1.3	29	0.5	0.5	0.1	78	0.62	0.043	8
1356564	Soil	2.4	114.0	9.6	194	0.4	50.3	25.5	1290	4.57	18.6	2.3	2.0	33	0.4	0.7	0.2	96	0.44	0.076	10
1356565	Soil	2.5	132.8	13.8	132	1.2	74.1	26.9	1318	5.07	30.1	6.9	2.9	81	0.5	1.7	0.2	94	0.90	0.051	17
1356566	Soil	1.9	31.3	5.8	105	0.2	27.4	10.8	328	3.59	13.0	1.8	1.0	34	0.4	0.9	<0.1	94	0.59	0.045	5
1356567	Soil	2.6	204.2	12.1	165	2.0	86.1	24.6	1013	5.89	25.0	5.0	1.7	117	1.6	1.8	0.2	103	1.26	0.100	18
1356568	Soil	1.8	112.7	9.9	125	0.5	51.4	19.7	881	4.08	21.0	3.4	1.5	76	0.5	1.6	0.2	96	0.96	0.055	12
1356569	Soil	2.2	144.8	8.4	138	1.1	63.3	18.7	799	4.12	20.9	6.5	1.0	111	1.1	1.8	0.2	87	1.30	0.077	12
1356570	Soil	4.9	92.7	11.2	114	0.8	55.5	21.3	2155	4.17	42.1	10.3	1.4	64	1.0	2.1	0.1	65	1.05	0.079	15

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356691	Soil	40	0.48	88	0.071	<20	1.39	0.004	0.04	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
1356692	Soil	53	0.58	124	0.037	<20	1.56	0.009	0.08	<0.1	0.06	4.0	0.1	<0.05	5	1.5	<0.2
1356693	Soil	34	0.24	94	0.037	<20	1.23	0.010	0.06	<0.1	0.07	2.6	<0.1	<0.05	4	1.7	<0.2
1356694	Soil	53	0.63	74	0.045	<20	1.53	0.007	0.05	<0.1	0.02	3.1	<0.1	<0.05	5	0.9	<0.2
1356695	Soil	29	0.33	67	0.041	<20	1.01	0.004	0.04	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1356696	Soil	25	0.30	90	0.055	<20	1.10	0.004	0.03	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
1356697	Soil	44	0.55	77	0.043	<20	1.51	0.005	0.05	<0.1	0.02	3.1	<0.1	<0.05	5	0.8	<0.2
1356698	Soil	61	0.60	108	0.052	<20	2.07	0.008	0.11	<0.1	0.12	5.6	0.1	<0.05	5	1.5	<0.2
1356699	Soil	68	0.98	75	0.139	<20	2.62	0.006	0.06	0.2	0.02	4.5	<0.1	<0.05	9	<0.5	<0.2
1356700	Soil	89	1.06	72	0.136	<20	3.29	0.008	0.08	0.1	0.07	11.8	0.2	<0.05	8	0.7	<0.2
1356551	Soil	58	0.55	127	0.060	<20	1.82	0.007	0.10	<0.1	0.09	4.7	0.1	<0.05	5	1.9	<0.2
1356552	Soil	56	0.70	69	0.079	<20	1.73	0.005	0.07	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
1356553	Soil	43	0.52	78	0.062	<20	1.51	0.005	0.06	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
1356554	Soil	45	0.54	84	0.060	<20	1.51	0.006	0.07	<0.1	0.01	3.0	<0.1	<0.05	5	0.9	<0.2
1356555	Soil	53	0.76	73	0.078	<20	1.63	0.006	0.10	<0.1	0.05	4.5	<0.1	<0.05	5	0.9	<0.2
1356556	Soil	33	0.48	76	0.061	<20	1.25	0.004	0.05	<0.1	0.02	2.6	<0.1	<0.05	5	0.6	<0.2
1356557	Soil	32	0.62	139	0.039	<20	1.88	0.008	0.09	<0.1	0.11	5.3	0.1	<0.05	5	1.9	<0.2
1356558	Soil	57	0.60	127	0.044	<20	1.90	0.007	0.11	<0.1	0.12	5.1	0.1	<0.05	5	1.7	<0.2
1356559	Soil	39	0.67	54	0.086	<20	1.69	0.005	0.06	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
1356560	Soil	47	0.67	113	0.065	<20	2.55	0.007	0.12	<0.1	0.07	4.6	<0.1	<0.05	8	<0.5	<0.2
1356561	Soil	38	0.56	99	0.066	<20	1.70	0.005	0.06	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
1356562	Soil	34	0.51	97	0.062	<20	1.59	0.006	0.05	<0.1	0.04	2.6	<0.1	<0.05	6	<0.5	<0.2
1356563	Soil	37	0.69	113	0.088	<20	1.77	0.008	0.06	<0.1	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
1356564	Soil	85	0.96	138	0.075	<20	3.53	0.009	0.14	<0.1	0.05	6.5	0.1	<0.05	8	0.9	<0.2
1356565	Soil	93	1.03	186	0.100	<20	3.45	0.013	0.19	<0.1	0.07	9.3	0.1	<0.05	8	1.0	<0.2
1356566	Soil	62	0.74	60	0.099	<20	2.05	0.007	0.06	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
1356567	Soil	132	1.27	216	0.078	<20	4.04	0.015	0.21	0.2	0.15	12.2	0.1	<0.05	9	0.8	<0.2
1356568	Soil	86	1.03	142	0.087	<20	2.58	0.011	0.15	0.1	0.06	7.7	<0.1	<0.05	8	<0.5	<0.2
1356569	Soil	87	1.05	165	0.068	<20	2.72	0.014	0.19	0.1	0.12	7.5	0.1	<0.05	8	<0.5	<0.2
1356570	Soil	65	0.86	163	0.037	<20	2.17	0.012	0.12	<0.1	0.13	6.1	0.2	<0.05	5	2.4	<0.2

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356571	Soil	3.5	74.0	9.8	111	0.6	42.1	16.4	2612	3.36	23.3	9.4	1.1	68	0.9	1.5	0.1	57	1.22	0.079	12
1356572	Soil	4.0	19.4	2.2	15	0.2	9.3	2.6	1923	2.53	15.7	1.1	0.1	151	0.4	1.3	<0.1	7	2.89	0.055	2
1356573	Soil	1.6	43.7	4.8	46	1.2	17.7	9.0	734	1.54	10.6	4.3	0.2	113	0.7	0.8	<0.1	31	1.89	0.072	16
1356574	Soil	1.0	39.5	6.3	74	0.3	29.0	11.6	608	2.85	26.2	7.7	1.4	26	0.2	0.6	0.1	75	0.55	0.031	11
1356575	Soil	1.1	23.5	5.5	72	0.3	19.9	7.8	259	3.50	35.6	2.2	1.8	14	0.2	0.8	0.1	87	0.29	0.137	10
1356576	Soil	4.6	46.7	9.3	217	0.3	22.4	17.4	1716	4.34	18.6	1.6	0.9	24	1.2	2.6	0.1	99	0.40	0.075	7
1356577	Soil	1.6	26.8	7.1	109	0.2	25.2	14.0	1517	2.58	17.0	2.5	1.1	17	0.2	1.2	0.1	65	0.31	0.047	9
1356578	Soil	15.8	147.9	12.3	187	0.4	56.1	44.6	1249	6.05	105.3	28.6	2.2	29	0.5	4.5	0.1	71	0.39	0.089	22
1356579	Soil	1.8	13.6	6.6	78	<0.1	17.8	9.0	619	2.22	8.5	1.9	1.5	20	0.3	0.3	<0.1	53	0.33	0.057	8
1356580	Soil	1.2	7.4	5.6	84	0.2	11.0	7.7	1000	1.40	5.2	1.9	0.9	20	0.5	0.2	<0.1	39	0.32	0.062	7
1356581	Soil	1.7	74.9	12.7	255	0.9	63.2	22.7	2075	4.50	20.3	4.8	3.3	71	2.8	1.8	0.2	87	0.78	0.100	15
1356582	Soil	2.2	34.9	6.2	69	0.1	21.9	10.7	365	2.67	15.3	2.8	1.6	16	0.2	0.8	<0.1	60	0.27	0.056	9
1356583	Soil	2.7	65.4	9.0	85	0.5	39.0	17.9	797	3.47	21.6	3.6	2.4	38	0.8	1.6	0.1	62	0.69	0.044	10
1356584	Soil	2.7	71.3	8.1	89	0.5	36.6	15.5	685	3.24	23.4	5.1	1.8	33	0.5	1.6	<0.1	57	0.64	0.081	11
1356585	Soil	1.9	51.0	5.9	85	0.1	33.1	15.2	485	3.24	12.4	2.3	1.8	23	0.5	1.1	<0.1	64	0.51	0.060	7
1356586	Soil	1.7	42.1	6.7	91	0.3	27.3	13.7	501	2.90	13.9	2.2	2.2	21	0.3	0.9	0.1	57	0.35	0.062	10
1356587	Soil	2.5	137.2	11.3	126	0.9	49.8	23.9	630	4.14	53.0	2.3	2.2	35	0.6	2.3	0.2	65	0.57	0.060	9
1356588	Soil	3.7	90.1	12.2	99	0.3	39.6	20.4	805	3.37	75.6	9.2	2.0	26	0.6	2.8	0.2	62	0.35	0.052	13
1356589	Soil	2.5	101.5	9.4	114	0.2	38.3	21.8	1241	4.10	49.0	3.0	1.5	22	0.9	1.7	0.1	88	0.40	0.042	14
1356590	Soil	3.0	61.1	9.7	89	0.3	35.8	14.0	992	2.87	27.8	4.1	1.8	31	0.7	2.1	0.1	49	0.47	0.052	10
1356591	Soil	1.7	13.6	7.0	70	0.1	12.5	5.7	228	2.20	16.4	<0.5	1.1	22	0.6	1.6	0.1	54	0.33	0.088	6
1356592	Soil	1.4	21.8	6.2	100	0.2	13.6	7.8	343	2.41	12.4	1.4	0.8	27	0.5	0.9	0.1	69	0.56	0.032	6
1356593	Soil	2.4	47.4	8.3	114	0.3	37.8	17.0	799	3.11	23.4	4.5	1.9	23	0.5	2.3	0.1	57	0.35	0.074	10
1356594	Soil	1.5	26.5	5.0	134	0.3	24.5	11.2	377	3.27	8.7	3.1	1.6	17	0.4	1.2	<0.1	72	0.43	0.080	6
1356595	Soil	2.0	22.0	6.4	88	0.2	20.6	8.3	355	3.02	11.0	<0.5	1.5	16	0.3	0.6	0.1	72	0.28	0.123	9
1356596	Soil	2.8	30.0	7.1	174	0.5	30.9	12.2	343	3.61	13.1	0.5	1.9	17	0.5	0.7	0.1	72	0.27	0.146	8
1356597	Soil	2.8	42.5	8.3	104	0.3	25.4	14.0	1564	2.70	15.4	3.0	0.9	30	0.4	0.7	0.1	73	0.58	0.089	7
1356598	Soil	2.1	26.4	5.9	62	<0.1	19.5	7.5	378	2.40	11.8	5.0	1.6	21	0.3	0.7	<0.1	64	0.41	0.042	8
1356599	Soil	1.6	39.8	6.9	65	0.3	30.2	13.2	548	2.69	17.4	3.0	2.0	34	0.5	1.1	<0.1	63	0.55	0.041	10
1356600	Soil	1.9	37.8	8.7	78	0.5	25.3	12.3	651	2.86	13.5	<0.5	1.0	75	1.1	0.6	0.1	69	1.02	0.053	9

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356571	Soil	58	0.79	159	0.040	<20	1.85	0.011	0.11	<0.1	0.15	4.9	0.1	0.06	5	1.8	<0.2
1356572	Soil	8	0.16	138	0.004	<20	0.23	0.019	0.02	<0.1	0.14	0.5	<0.1	0.23	<1	2.2	<0.2
1356573	Soil	27	0.35	96	0.020	<20	1.40	0.017	0.04	<0.1	0.23	3.3	<0.1	0.08	3	2.3	<0.2
1356574	Soil	56	0.83	95	0.065	<20	2.17	0.008	0.08	<0.1	0.03	4.5	<0.1	<0.05	7	<0.5	<0.2
1356575	Soil	40	0.57	75	0.068	<20	1.83	0.006	0.08	<0.1	0.04	3.1	<0.1	<0.05	7	<0.5	<0.2
1356576	Soil	35	0.62	181	0.026	<20	1.98	0.006	0.09	<0.1	0.05	3.0	0.1	<0.05	6	0.7	<0.2
1356577	Soil	54	0.55	122	0.056	<20	1.73	0.004	0.09	<0.1	0.05	3.0	0.1	<0.05	6	0.7	<0.2
1356578	Soil	46	0.84	141	0.042	<20	2.80	0.006	0.13	0.1	0.11	5.8	0.1	<0.05	6	1.4	<0.2
1356579	Soil	37	0.56	110	0.053	<20	1.36	0.005	0.09	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
1356580	Soil	31	0.30	107	0.047	<20	0.90	0.004	0.10	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1356581	Soil	102	0.90	223	0.081	<20	3.26	0.054	0.30	<0.1	0.02	8.3	0.3	<0.05	8	0.9	<0.2
1356582	Soil	38	0.55	76	0.060	<20	1.45	0.005	0.06	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
1356583	Soil	61	0.79	94	0.073	<20	1.77	0.008	0.11	<0.1	0.07	4.6	0.1	<0.05	5	0.6	<0.2
1356584	Soil	42	0.75	91	0.060	<20	1.71	0.005	0.13	<0.1	0.08	4.3	0.1	<0.05	4	<0.5	<0.2
1356585	Soil	51	0.78	75	0.081	<20	2.00	0.005	0.09	<0.1	0.04	4.1	<0.1	0.06	5	<0.5	<0.2
1356586	Soil	46	0.69	59	0.066	<20	1.75	0.006	0.08	<0.1	0.03	3.4	<0.1	0.06	5	<0.5	<0.2
1356587	Soil	49	0.77	210	0.044	<20	3.25	0.006	0.12	<0.1	0.10	5.2	0.1	<0.05	6	0.8	<0.2
1356588	Soil	49	0.73	127	0.040	<20	1.69	0.004	0.08	<0.1	0.06	5.1	0.1	<0.05	5	0.5	<0.2
1356589	Soil	47	0.84	159	0.034	<20	2.68	0.005	0.08	<0.1	0.07	6.1	<0.1	<0.05	7	<0.5	<0.2
1356590	Soil	54	0.74	111	0.049	<20	1.48	0.005	0.09	<0.1	0.06	3.5	0.1	<0.05	4	0.6	<0.2
1356591	Soil	30	0.42	65	0.037	<20	1.10	0.004	0.06	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
1356592	Soil	33	0.42	68	0.039	<20	1.45	0.006	0.05	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
1356593	Soil	64	0.88	108	0.047	<20	1.79	0.005	0.10	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
1356594	Soil	50	0.80	80	0.080	<20	2.16	0.005	0.05	<0.1	0.05	3.2	<0.1	<0.05	6	<0.5	<0.2
1356595	Soil	47	0.62	73	0.067	<20	1.79	0.004	0.06	<0.1	0.04	2.6	<0.1	<0.05	6	0.7	<0.2
1356596	Soil	46	0.59	96	0.072	<20	2.19	0.005	0.08	<0.1	0.08	2.9	<0.1	<0.05	6	<0.5	<0.2
1356597	Soil	44	0.61	142	0.054	<20	1.93	0.006	0.07	<0.1	0.10	3.4	0.1	<0.05	5	0.5	<0.2
1356598	Soil	37	0.63	53	0.091	<20	1.27	0.005	0.10	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
1356599	Soil	61	0.76	72	0.080	<20	1.58	0.007	0.07	<0.1	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
1356600	Soil	57	0.59	130	0.038	<20	1.95	0.007	0.11	<0.1	0.10	3.6	<0.1	<0.05	6	0.7	<0.2

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CERTIFICATE OF ANALYSIS VAN11004932.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1357151	Soil		0.7	54.3	8.7	157	0.3	40.8	25.0	887	4.42	6.5	<0.5	1.5	133	0.4	0.4	0.2	121	0.93	0.119	7
1357152	Soil		0.9	30.0	6.9	90	0.1	31.7	12.8	353	2.63	6.7	<0.5	1.9	47	0.3	0.4	0.2	78	0.56	0.042	10
1357153	Soil		1.1	126.6	8.6	91	0.4	61.8	18.7	734	3.74	15.9	3.7	2.2	91	0.4	1.0	0.2	96	1.12	0.052	12
1357154	Soil		0.7	48.8	7.0	57	<0.1	37.3	14.7	255	2.82	6.9	1.6	4.7	21	0.1	0.4	0.1	56	0.28	0.025	17
1357155	Soil		1.3	179.9	10.2	124	0.9	83.5	23.1	1275	5.18	16.9	3.6	3.2	111	0.7	0.9	0.2	128	1.44	0.055	21
1357156	Soil		1.0	22.8	5.8	74	0.1	27.4	10.2	275	2.41	9.8	0.6	2.4	22	0.6	0.5	0.1	69	0.38	0.092	9
1357157	Soil		0.9	52.4	8.5	115	0.4	52.6	14.8	542	3.13	10.7	<0.5	2.7	43	0.5	0.5	0.1	72	0.55	0.054	18
1357158	Soil		0.9	22.8	7.0	75	0.2	30.8	10.2	220	2.37	7.8	<0.5	2.3	25	0.2	0.3	0.1	54	0.35	0.039	11
1357159	Soil		1.3	19.0	8.7	94	0.2	21.0	11.7	388	2.18	9.5	<0.5	1.9	24	0.4	0.3	0.2	61	0.26	0.061	11
1357160	Soil		1.1	44.4	6.3	91	0.1	30.2	11.9	324	2.56	7.6	0.7	3.5	17	0.3	0.4	0.1	65	0.22	0.048	17
1357161	Soil		1.3	40.7	8.4	83	0.2	41.6	14.9	760	2.74	14.8	0.8	2.1	31	0.4	0.8	0.1	71	0.49	0.065	13
1357162	Soil		1.2	26.2	5.6	101	0.3	33.5	10.9	191	2.49	10.4	<0.5	2.8	19	0.4	0.5	0.1	59	0.25	0.054	11
1357163	Soil		1.0	39.2	7.7	99	0.5	44.2	15.0	720	2.62	15.9	1.7	2.5	54	0.8	0.9	0.1	57	0.69	0.051	15
1357164	Soil		1.3	52.7	7.5	77	0.2	43.3	16.0	606	2.64	20.2	1.4	2.5	51	0.4	1.4	0.1	63	0.74	0.057	13
1357165	Soil		1.9	55.3	11.5	107	0.7	49.8	15.9	673	2.83	8.4	1.7	1.3	117	1.1	0.7	0.2	48	1.18	0.055	25
1357166	Soil		2.6	104.2	5.9	52	1.4	50.1	9.7	1112	2.08	14.2	2.5	0.6	259	1.3	2.3	0.1	37	2.96	0.113	29
1357167	Soil		1.6	11.1	2.5	40	0.2	3.2	0.3	19	0.10	1.5	<0.5	<0.1	222	0.6	0.3	<0.1	<2	2.71	0.049	<1
1357168	Soil		1.3	11.6	5.2	71	0.2	14.3	4.4	138	1.83	11.2	<0.5	2.2	5	0.5	0.4	<0.1	46	0.12	0.055	10
1357169	Soil		1.4	11.2	5.2	71	0.2	14.1	4.2	134	1.77	10.8	<0.5	2.4	7	0.7	0.4	0.1	48	0.12	0.056	10
1357170	Soil		2.3	55.9	11.7	116	0.8	50.6	13.0	440	3.45	15.4	1.4	1.2	36	0.6	0.4	0.3	76	0.44	0.051	15
1357171	Soil		2.1	57.3	0.9	6	0.2	13.0	1.8	171	0.66	6.0	1.4	<0.1	260	0.9	2.7	<0.1	9	4.26	0.076	2
1357172	Soil		1.4	65.0	8.4	94	0.8	38.3	15.1	1103	2.57	104.0	1.4	1.0	103	0.8	2.8	0.2	48	1.87	0.050	11
1357173	Soil		2.1	18.4	5.6	44	0.1	12.1	5.5	178	2.31	18.6	<0.5	0.9	17	0.3	0.8	0.1	82	0.33	0.028	7
1357174	Soil		1.4	18.6	5.6	55	0.1	17.2	8.6	217	2.63	14.1	0.5	1.8	12	0.2	0.6	0.1	51	0.21	0.082	9
1357175	Soil		1.6	82.4	9.0	77	0.2	49.3	19.3	804	3.65	39.0	3.9	3.8	37	0.4	2.2	0.1	77	0.62	0.051	15
1357176	Soil		1.4	80.0	10.0	86	0.1	54.0	17.9	372	3.88	40.6	3.1	4.1	19	0.2	1.6	0.2	73	0.30	0.058	10
1357177	Soil		0.8	86.6	14.5	151	0.4	33.8	18.2	405	4.53	643.6	50.2	2.0	15	0.2	1.1	0.1	74	0.28	0.063	8
1357178	Soil		0.9	20.3	9.1	117	0.4	18.3	13.2	1354	2.35	24.2	<0.5	1.3	22	0.3	0.8	0.2	55	0.41	0.076	7
1357179	Soil		0.8	38.3	5.9	109	0.3	43.5	18.5	559	3.33	108.0	<0.5	1.1	21	<0.1	1.3	<0.1	82	0.41	0.031	6
1357180	Soil		0.9	30.6	5.8	82	0.1	27.4	13.2	518	2.88	97.0	<0.5	1.7	16	0.1	1.9	0.1	79	0.44	0.041	8

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1357151	Soil	49	1.15	95	0.138	<20	3.15	0.011	0.12	<0.1	0.05	5.5	0.1	<0.05	9	<0.5	<0.2
1357152	Soil	49	0.54	48	0.091	<20	1.55	0.008	0.07	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
1357153	Soil	82	1.00	80	0.096	<20	2.26	0.011	0.15	0.1	0.15	8.4	0.2	<0.05	7	<0.5	<0.2
1357154	Soil	48	0.65	40	0.057	<20	1.63	0.007	0.08	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
1357155	Soil	120	1.20	125	0.110	<20	3.72	0.016	0.16	0.1	0.18	13.3	0.3	<0.05	9	1.6	<0.2
1357156	Soil	45	0.51	52	0.072	<20	1.43	0.007	0.06	<0.1	0.04	2.5	<0.1	<0.05	5	<0.5	<0.2
1357157	Soil	67	0.74	95	0.081	<20	2.24	0.010	0.10	0.1	0.09	5.1	0.2	<0.05	6	0.6	<0.2
1357158	Soil	39	0.46	66	0.070	<20	1.42	0.007	0.07	<0.1	0.05	1.9	<0.1	<0.05	5	<0.5	<0.2
1357159	Soil	37	0.28	64	0.056	<20	1.22	0.006	0.06	<0.1	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1357160	Soil	48	0.54	49	0.074	<20	1.70	0.007	0.07	<0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
1357161	Soil	59	0.75	81	0.075	<20	1.62	0.007	0.11	0.1	0.05	3.6	<0.1	<0.05	5	<0.5	<0.2
1357162	Soil	47	0.52	63	0.058	<20	1.68	0.007	0.07	0.2	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
1357163	Soil	62	0.79	75	0.075	<20	1.56	0.010	0.11	0.1	0.08	4.0	0.1	<0.05	5	1.1	<0.2
1357164	Soil	56	0.76	67	0.087	<20	1.42	0.009	0.09	0.1	0.08	4.4	<0.1	<0.05	4	<0.5	<0.2
1357165	Soil	55	0.63	116	0.047	<20	1.90	0.011	0.16	0.2	0.10	3.5	0.1	0.07	5	0.8	<0.2
1357166	Soil	42	0.44	108	0.022	<20	1.49	0.012	0.09	0.1	0.31	3.0	0.3	0.22	3	4.3	<0.2
1357167	Soil	4	0.24	30	0.003	<20	0.08	0.009	0.02	<0.1	0.14	0.3	<0.1	0.19	<1	0.5	<0.2
1357168	Soil	27	0.33	41	0.036	<20	1.10	0.003	0.05	<0.1	0.05	1.5	<0.1	<0.05	4	<0.5	<0.2
1357169	Soil	26	0.32	40	0.037	<20	1.10	0.004	0.04	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1357170	Soil	74	0.84	200	0.062	<20	3.04	0.010	0.22	0.1	0.08	3.7	0.2	<0.05	9	1.5	<0.2
1357171	Soil	7	0.16	48	0.002	<20	0.09	0.011	0.01	<0.1	0.12	0.4	<0.1	0.63	<1	16.1	<0.2
1357172	Soil	51	0.61	129	0.059	<20	1.61	0.009	0.11	0.1	0.13	3.6	0.1	0.08	4	2.0	<0.2
1357173	Soil	27	0.31	37	0.082	<20	1.12	0.004	0.05	0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1357174	Soil	30	0.37	44	0.049	<20	1.24	0.004	0.05	0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1357175	Soil	68	0.95	92	0.109	<20	2.00	0.011	0.17	0.2	0.06	6.7	<0.1	<0.05	6	<0.5	<0.2
1357176	Soil	62	0.80	116	0.072	<20	2.77	0.006	0.14	0.2	0.04	4.0	0.1	<0.05	6	<0.5	<0.2
1357177	Soil	36	0.95	103	0.013	<20	3.05	0.004	0.10	<0.1	0.05	5.7	<0.1	<0.05	6	<0.5	<0.2
1357178	Soil	32	0.50	117	0.048	<20	1.66	0.005	0.08	0.1	0.10	2.9	<0.1	<0.05	6	<0.5	<0.2
1357179	Soil	75	1.11	81	0.042	<20	2.40	0.005	0.11	0.1	0.02	4.9	0.1	<0.05	7	<0.5	<0.2
1357180	Soil	38	0.68	68	0.087	<20	2.04	0.006	0.06	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1357181	Soil	0.7	14.1	4.5	72	0.1	19.9	8.6	251	1.98	13.0	3.4	1.9	14	0.2	0.8	<0.1	45	0.28	0.070	8
1357182	Soil	0.9	24.7	6.6	118	0.5	27.5	9.4	839	2.29	11.5	<0.5	2.2	35	0.5	1.6	0.1	49	0.59	0.023	10
1357183	Soil	0.6	11.2	4.8	82	<0.1	12.8	8.7	775	1.84	9.7	<0.5	1.9	26	0.4	0.6	<0.1	49	0.49	0.031	8
1357184	Soil	1.3	54.4	7.3	77	0.2	31.2	14.6	677	3.05	27.4	4.2	2.2	36	0.2	1.5	0.1	67	0.61	0.059	10
1357185	Soil	1.4	51.2	7.0	73	0.2	29.9	14.1	652	2.99	26.2	2.8	2.2	33	0.3	1.5	0.1	66	0.58	0.056	10
1357186	Soil	1.2	26.1	5.4	97	0.2	29.2	11.2	277	2.69	18.5	2.0	2.0	16	0.3	1.1	0.1	53	0.27	0.051	9

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1357181	Soil	34	0.43	44	0.070	<20	1.29	0.007	0.05	0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1357182	Soil	49	0.50	74	0.088	<20	1.64	0.010	0.07	<0.1	0.05	3.8	<0.1	<0.05	4	<0.5	<0.2
1357183	Soil	26	0.45	66	0.085	<20	1.15	0.006	0.06	0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
1357184	Soil	47	0.77	87	0.088	<20	1.86	0.007	0.11	0.1	0.07	5.5	<0.1	<0.05	6	0.6	<0.2
1357185	Soil	47	0.76	84	0.085	<20	1.83	0.006	0.10	0.1	0.07	5.2	<0.1	<0.05	6	0.6	<0.2
1357186	Soil	39	0.57	72	0.067	<20	1.76	0.006	0.07	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2

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Suite 1409 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: None Given
Report Date: October 22, 2011

QUALITY CONTROL REPORT VAN11004932.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1357115	Soil	0.4	5.0	5.2	32	<0.1	9.3	3.5	130	1.19	2.3	<0.5	1.6	8	<0.1	<0.1	0.1	26	0.10	0.026	8
REP 1357115	QC	0.4	5.0	5.5	35	<0.1	9.4	3.7	173	1.27	2.4	<0.5	2.0	9	<0.1	0.1	0.1	27	0.11	0.028	10
1356655	Soil	1.5	46.4	5.3	58	0.5	27.6	12.9	641	2.72	13.7	3.4	1.3	37	0.4	1.3	<0.1	62	0.82	0.033	10
REP 1356655	QC	1.5	47.3	5.6	61	0.5	29.6	13.8	658	2.88	14.0	1.3	1.5	39	0.4	1.3	<0.1	65	0.85	0.036	10
1356553	Soil	2.4	29.1	6.8	94	0.1	23.3	9.8	299	2.79	12.9	<0.5	1.7	19	0.3	1.1	<0.1	65	0.28	0.077	8
REP 1356553	QC	2.4	30.9	7.2	97	0.1	23.9	10.7	323	2.98	13.7	4.0	1.7	20	0.5	1.1	<0.1	66	0.31	0.079	8
1356559	Soil	1.2	29.1	5.2	76	<0.1	17.3	8.3	345	2.81	9.5	1.2	1.4	16	0.3	0.8	0.1	73	0.35	0.073	8
REP 1356559	QC	1.0	30.1	5.4	80	<0.1	17.8	9.0	354	2.90	9.8	3.8	1.5	17	0.3	0.9	0.1	76	0.38	0.074	8
1356589	Soil	2.5	101.5	9.4	114	0.2	38.3	21.8	1241	4.10	49.0	3.0	1.5	22	0.9	1.7	0.1	88	0.40	0.042	14
REP 1356589	QC	2.4	105.2	9.5	120	0.2	40.1	22.3	1264	4.17	48.8	3.2	1.5	22	0.9	1.5	0.1	91	0.41	0.045	14
1357163	Soil	1.0	39.2	7.7	99	0.5	44.2	15.0	720	2.62	15.9	1.7	2.5	54	0.8	0.9	0.1	57	0.69	0.051	15
REP 1357163	QC	1.0	38.5	7.7	94	0.5	42.8	14.9	711	2.71	15.9	<0.5	2.3	53	0.8	1.0	0.1	58	0.67	0.052	15
1357186	Soil	1.2	26.1	5.4	97	0.2	29.2	11.2	277	2.69	18.5	2.0	2.0	16	0.3	1.1	0.1	53	0.27	0.051	9
REP 1357186	QC	1.2	25.8	5.5	97	0.2	27.6	11.1	274	2.67	18.5	1.0	2.1	16	0.2	0.9	0.1	52	0.26	0.052	8
Reference Materials																					
STD DS8	Standard	12.6	106.4	121.8	303	1.8	36.9	7.4	585	2.41	24.2	143.1	6.1	64	2.4	5.4	6.7	39	0.64	0.077	14
STD DS8	Standard	15.0	116.0	130.8	331	1.7	40.0	8.1	637	2.56	27.4	118.9	7.2	68	2.4	5.1	6.4	43	0.71	0.086	16
STD DS8	Standard	13.2	107.3	126.5	306	1.8	36.0	7.3	597	2.50	24.7	194.8	6.6	70	2.3	4.8	6.2	43	0.70	0.075	16
STD DS8	Standard	14.8	111.6	117.6	318	2.0	38.5	7.8	603	2.44	26.6	95.2	6.6	67	2.5	4.8	7.1	46	0.69	0.077	15
STD DS8	Standard	15.7	110.1	121.0	309	1.8	36.4	7.0	594	2.40	25.9	97.8	7.2	70	2.4	5.5	7.3	40	0.67	0.077	15
STD DS8	Standard	13.4	110.9	130.7	323	1.8	39.8	7.9	625	2.50	26.1	484.6	7.3	70	2.4	4.6	6.5	46	0.69	0.081	16
STD DS8	Standard	13.1	109.9	122.4	328	1.7	38.0	7.2	585	2.39	24.7	106.2	7.6	72	2.8	5.8	7.2	40	0.65	0.076	15
STD OREAS45CA	Standard	0.8	495.2	21.1	59	0.3	233.0	87.7	901	15.80	3.7	41.7	6.7	15	<0.1	<0.1	0.2	199	0.41	0.038	16
STD OREAS45CA	Standard	0.8	516.0	20.8	61	0.3	240.3	89.9	905	15.67	4.2	46.5	7.1	15	<0.1	<0.1	0.2	193	0.43	0.037	17
STD OREAS45CA	Standard	1.0	481.6	20.0	58	0.3	235.7	84.7	916	15.64	3.5	40.9	6.8	15	<0.1	<0.1	0.2	197	0.40	0.037	15
STD OREAS45CA	Standard	0.9	502.1	20.4	65	0.3	245.7	88.9	916	16.12	4.7	41.8	7.2	15	<0.1	<0.1	0.2	201	0.44	0.038	16
STD OREAS45CA	Standard	0.9	503.5	21.0	67	0.3	227.6	85.3	944	16.45	4.1	44.3	7.3	16	<0.1	0.1	0.2	193	0.44	0.040	16
STD OREAS45CA	Standard	0.9	532.7	20.7	66	0.2	267.4	94.1	918	16.82	4.5	47.7	6.9	15	<0.1	<0.1	0.2	219	0.41	0.038	17

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Vancouver BC V6C 1T2 Canada

Project: None Given
Report Date: October 22, 2011

QUALITY CONTROL REPORT VAN11004932.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
Pulp Duplicates																	
1357115	Soil	17	0.21	34	0.063	<20	0.61	0.002	0.04	<0.1	0.02	0.7	<0.1	<0.05	4	<0.5	<0.2
REP 1357115	QC	18	0.22	39	0.066	<20	0.65	0.003	0.04	<0.1	0.02	0.7	<0.1	<0.05	4	<0.5	<0.2
1356655	Soil	50	0.79	76	0.094	<20	1.69	0.006	0.07	0.1	0.04	4.6	<0.1	<0.05	5	0.8	<0.2
REP 1356655	QC	51	0.83	79	0.103	<20	1.86	0.007	0.08	<0.1	0.04	4.9	<0.1	<0.05	5	0.7	<0.2
1356553	Soil	43	0.52	78	0.062	<20	1.51	0.005	0.06	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
REP 1356553	QC	45	0.55	81	0.062	<20	1.62	0.005	0.06	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1356559	Soil	39	0.67	54	0.086	<20	1.69	0.005	0.06	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
REP 1356559	QC	41	0.68	56	0.088	<20	1.74	0.006	0.07	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1356589	Soil	47	0.84	159	0.034	<20	2.68	0.005	0.08	<0.1	0.07	6.1	<0.1	<0.05	7	<0.5	<0.2
REP 1356589	QC	48	0.85	165	0.031	<20	2.82	0.006	0.08	<0.1	0.06	6.3	0.2	<0.05	7	<0.5	<0.2
1357163	Soil	62	0.79	75	0.075	<20	1.56	0.010	0.11	0.1	0.08	4.0	0.1	<0.05	5	1.1	<0.2
REP 1357163	QC	61	0.78	77	0.075	<20	1.59	0.009	0.11	<0.1	0.06	3.9	0.1	0.05	4	0.7	<0.2
1357186	Soil	39	0.57	72	0.067	<20	1.76	0.006	0.07	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
REP 1357186	QC	41	0.56	71	0.065	<20	1.75	0.007	0.06	0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	105	0.62	285	0.104	<20	0.90	0.078	0.40	2.6	0.21	1.7	5.4	0.17	4	5.1	4.8
STD DS8	Standard	125	0.63	308	0.111	<20	0.91	0.098	0.44	2.3	0.22	2.2	5.8	0.19	5	5.3	5.1
STD DS8	Standard	114	0.62	282	0.118	<20	0.96	0.091	0.43	2.4	0.19	2.0	5.7	0.14	5	5.0	4.9
STD DS8	Standard	113	0.56	297	0.113	<20	0.89	0.076	0.42	2.7	0.22	2.6	5.3	<0.05	5	4.8	4.9
STD DS8	Standard	112	0.58	304	0.111	<20	0.86	0.086	0.41	2.5	0.19	2.2	5.3	0.13	5	4.8	5.1
STD DS8	Standard	119	0.66	294	0.116	<20	0.95	0.094	0.42	2.5	0.22	2.0	5.6	0.17	5	5.0	5.2
STD DS8	Standard	115	0.69	318	0.125	<20	0.88	0.085	0.40	2.4	0.21	1.9	5.4	0.14	5	5.0	4.9
STD OREAS45CA	Standard	639	0.15	154	0.131	<20	3.54	0.012	0.07	<0.1	0.04	32.5	<0.1	<0.05	19	0.6	<0.2
STD OREAS45CA	Standard	699	0.14	166	0.121	<20	3.73	0.012	0.07	<0.1	0.03	39.1	<0.1	<0.05	18	1.1	<0.2
STD OREAS45CA	Standard	640	0.14	156	0.116	<20	3.64	0.012	0.07	<0.1	0.04	35.2	<0.1	<0.05	18	0.7	<0.2
STD OREAS45CA	Standard	714	0.14	161	0.129	<20	3.94	0.012	0.07	<0.1	0.03	39.8	<0.1	<0.05	18	1.1	<0.2
STD OREAS45CA	Standard	682	0.16	168	0.133	<20	3.74	0.014	0.08	<0.1	0.03	38.9	<0.1	<0.05	19	0.7	<0.2
STD OREAS45CA	Standard	713	0.15	164	0.138	<20	3.84	0.012	0.08	<0.1	0.04	37.0	0.1	<0.05	19	1.1	<0.2

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Vancouver BC V6C 1T2 Canada

Project: None Given
Report Date: October 22, 2011

QUALITY CONTROL REPORT VAN11004932.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD OREAS45CA	Standard	0.9	483.3	22.2	64	0.3	257.7	94.0	976	17.39	4.8	45.2	7.2	18	<0.1	0.1	0.2	212	0.43	0.036	18
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	0.08	14.6
STD OREAS45CA Expected		1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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QUALITY CONTROL REPORT VAN11004932.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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
		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
STD OREAS45CA	Standard	664	0.16	184	0.136	<20	3.43	0.012	0.07	<0.1	0.03	36.1	<0.1	<0.05	20	<0.5	<0.2
STD DS8 Expected		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		709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank	<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	<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	<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	<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	<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	<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	<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

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Submitted By: Stephen Wetherup
Receiving Lab: Canada-Vancouver
Received: September 21, 2011
Report Date: October 25, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN11004931.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 200

SAMPLE DISPOSAL

RTRN-PLP Return
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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	200	Dry at 60C			VAN
SS80	200	Dry at 60C sieve 100g to -80 mesh			VAN
1DX1	200	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Caracle Creek Int'l Consulting (ON)
25 Frood Road
Sudbury ON P3C 4Y9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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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CERTIFICATE OF ANALYSIS VAN11004931.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356751	Soil		0.8	47.9	8.7	117	0.2	26.5	17.3	443	4.23	6.3	1.7	0.9	43	0.2	0.3	0.2	120	0.48	0.136	5
1356752	Soil		0.8	74.9	7.9	106	0.1	37.2	19.9	967	4.27	8.0	3.8	1.2	53	0.2	0.5	0.1	122	0.78	0.106	6
1356753	Soil		0.7	46.3	7.0	73	0.1	38.5	16.4	531	2.99	11.7	6.1	1.4	31	0.4	0.8	<0.1	92	0.55	0.053	7
1356754	Soil		0.7	49.9	7.4	67	0.1	37.2	17.4	464	2.89	10.1	4.5	1.9	35	0.3	0.7	0.1	90	0.55	0.058	7
1356755	Soil		1.2	54.3	8.6	132	0.3	30.1	15.2	501	5.47	7.8	<0.5	1.8	31	0.4	0.1	0.2	180	0.32	0.234	5
1356756	Soil		1.4	58.1	7.9	112	<0.1	48.9	20.5	732	3.83	8.2	<0.5	2.1	35	0.3	0.2	0.1	120	0.48	0.049	8
1356757	Soil		0.9	36.8	8.3	97	0.1	32.4	16.2	721	3.25	7.0	1.1	1.6	36	0.3	0.2	0.1	106	0.66	0.103	6
1356758	Soil		1.0	33.0	6.7	110	0.3	37.1	16.9	331	3.66	9.1	<0.5	1.7	20	0.4	0.1	0.1	117	0.46	0.050	7
1356759	Soil		1.0	65.7	8.1	82	0.1	41.2	18.4	496	3.46	13.0	3.9	2.1	28	0.2	1.0	0.1	103	0.57	0.120	8
1356760	Soil		0.9	45.5	7.4	102	0.1	37.5	13.7	317	3.15	9.9	2.2	1.8	17	0.2	0.5	0.1	92	0.37	0.055	8
1356761	Soil		1.0	49.7	12.3	126	0.1	41.4	17.6	766	3.52	13.2	2.3	1.9	21	0.3	0.9	0.1	100	0.41	0.077	7
1356762	Soil		0.6	55.8	14.7	212	0.3	36.6	20.8	806	4.05	13.0	0.6	1.7	50	0.7	0.6	0.2	117	0.63	0.119	8
1356763	Soil		1.0	68.7	9.7	91	0.2	44.8	19.7	752	3.43	15.8	14.8	2.2	50	0.4	1.3	0.1	93	0.78	0.064	10
1356764	Soil		0.7	21.1	5.3	86	0.1	26.8	10.6	290	2.32	9.4	2.4	1.9	17	0.3	0.5	<0.1	68	0.36	0.050	8
1356765	Soil		0.5	16.3	7.9	174	<0.1	20.4	11.9	361	2.12	7.0	1.1	1.7	14	0.6	0.3	0.1	67	0.26	0.051	9
1356766	Soil		1.2	92.5	13.1	275	0.9	54.6	15.5	1154	3.65	14.0	6.3	3.5	37	1.9	1.1	0.2	89	0.74	0.040	12
1356767	Soil		0.9	43.0	11.6	279	0.3	35.3	12.9	979	2.78	8.3	<0.5	1.8	19	0.9	0.7	0.2	72	0.27	0.059	7
1356768	Soil		1.5	86.5	11.6	235	0.3	70.1	24.4	642	4.45	27.2	1.4	2.0	64	0.6	1.0	0.3	85	0.95	0.165	15
1356769	Soil		1.0	39.2	8.3	88	0.2	36.3	13.9	551	2.78	16.1	3.6	2.8	22	0.3	0.9	0.1	58	0.34	0.062	13
1356770	Soil		1.0	31.7	7.7	86	0.2	31.8	11.7	477	2.65	13.6	1.7	2.6	22	0.2	0.6	0.1	61	0.37	0.058	12
1356771	Soil		0.5	36.0	7.6	139	0.2	33.4	26.9	1415	4.68	4.5	0.9	1.1	22	0.3	0.1	0.2	131	0.45	0.177	4
1356772	Soil		1.1	77.4	7.1	85	0.1	56.7	19.3	375	3.90	12.2	3.7	3.5	17	0.3	0.6	0.1	95	0.35	0.096	11
1356773	Soil		0.5	19.6	7.6	91	0.1	14.0	10.2	1529	1.82	3.7	0.7	1.1	25	0.4	0.2	0.2	53	0.45	0.056	6
1356774	Soil		0.9	44.2	6.4	119	0.2	44.6	18.9	671	3.93	10.0	3.5	1.4	17	0.2	0.4	0.1	121	0.42	0.075	6
1356775	Soil		1.0	30.6	8.9	86	0.4	22.6	16.2	1171	3.24	8.1	3.4	1.0	17	0.3	0.2	0.1	102	0.38	0.082	7
1356776	Soil		1.0	31.5	7.7	96	0.2	28.9	13.1	713	2.88	9.6	1.0	1.7	16	0.3	0.5	0.1	79	0.37	0.068	8
1356777	Soil		0.7	21.2	5.8	109	0.1	21.6	12.6	472	2.38	6.0	<0.5	1.5	15	0.2	0.5	0.1	69	0.35	0.054	6
1356778	Soil		0.9	23.4	8.3	92	0.3	22.1	10.1	1106	2.07	7.6	<0.5	1.4	28	0.5	0.6	0.1	61	0.47	0.057	7
1356779	Soil		0.9	30.8	5.2	74	0.1	30.7	11.9	266	2.56	6.2	2.9	2.0	16	0.2	0.4	<0.1	76	0.36	0.036	9
1356780	Soil		0.9	31.0	6.9	103	0.1	32.2	13.9	387	2.80	7.4	<0.5	1.9	19	0.2	0.4	0.1	77	0.38	0.057	7

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356751	Soil	51	0.86	40	0.136	<20	2.45	0.008	0.07	0.3	0.06	4.0	<0.1	0.07	10	<0.5	<0.2
1356752	Soil	60	1.11	63	0.142	<20	2.80	0.008	0.06	0.6	0.06	5.7	0.1	<0.05	9	<0.5	<0.2
1356753	Soil	62	0.95	44	0.120	<20	1.75	0.009	0.05	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
1356754	Soil	63	1.04	49	0.133	<20	1.76	0.009	0.07	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
1356755	Soil	54	0.86	59	0.198	<20	2.96	0.007	0.06	0.2	0.08	4.5	<0.1	<0.05	13	<0.5	<0.2
1356756	Soil	70	1.08	85	0.168	<20	2.67	0.009	0.07	<0.1	0.02	4.6	0.1	<0.05	8	<0.5	<0.2
1356757	Soil	55	0.75	96	0.147	<20	1.88	0.008	0.08	<0.1	0.03	3.5	0.1	<0.05	8	<0.5	<0.2
1356758	Soil	61	0.86	54	0.170	<20	2.19	0.010	0.05	0.1	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
1356759	Soil	67	1.03	84	0.134	<20	2.14	0.009	0.08	0.1	0.03	4.3	<0.1	<0.05	7	0.6	<0.2
1356760	Soil	54	0.69	76	0.107	<20	2.14	0.009	0.08	0.1	0.03	3.1	0.1	<0.05	7	<0.5	<0.2
1356761	Soil	61	0.77	88	0.107	<20	2.44	0.008	0.07	0.2	0.05	3.5	0.3	<0.05	7	<0.5	<0.2
1356762	Soil	82	1.14	87	0.141	<20	2.49	0.010	0.08	0.1	0.05	7.7	0.3	<0.05	9	<0.5	<0.2
1356763	Soil	71	1.07	71	0.126	<20	1.98	0.011	0.08	0.1	0.06	5.6	0.1	<0.05	6	0.6	<0.2
1356764	Soil	41	0.66	46	0.089	<20	1.60	0.007	0.06	<0.1	0.02	2.5	<0.1	0.05	5	<0.5	<0.2
1356765	Soil	37	0.46	61	0.072	<20	1.49	0.007	0.05	<0.1	0.01	2.2	0.2	<0.05	6	<0.5	<0.2
1356766	Soil	76	0.77	88	0.107	<20	2.40	0.012	0.09	<0.1	0.09	7.0	0.5	<0.05	6	0.6	<0.2
1356767	Soil	47	0.48	58	0.096	<20	1.98	0.011	0.06	<0.1	0.04	3.1	0.2	<0.05	5	0.6	<0.2
1356768	Soil	91	0.79	164	0.057	<20	3.51	0.010	0.15	0.1	0.11	5.5	0.2	<0.05	9	1.0	<0.2
1356769	Soil	52	0.71	83	0.069	<20	1.71	0.008	0.09	0.1	0.05	3.2	<0.1	<0.05	5	0.6	<0.2
1356770	Soil	46	0.61	81	0.063	<20	1.64	0.007	0.08	<0.1	0.04	2.7	<0.1	<0.05	5	0.5	<0.2
1356771	Soil	42	1.26	122	0.217	<20	2.32	0.008	0.05	<0.1	0.04	3.2	0.1	<0.05	12	<0.5	<0.2
1356772	Soil	76	1.11	81	0.115	<20	2.80	0.007	0.11	0.1	0.03	4.8	0.1	<0.05	7	<0.5	<0.2
1356773	Soil	21	0.29	103	0.101	<20	0.94	0.007	0.04	<0.1	0.03	1.7	0.2	0.06	5	<0.5	<0.2
1356774	Soil	80	1.18	55	0.131	<20	2.13	0.008	0.05	0.1	0.01	3.7	<0.1	0.05	8	<0.5	<0.2
1356775	Soil	55	0.59	54	0.103	<20	1.76	0.007	0.05	<0.1	0.03	3.3	0.1	<0.05	8	<0.5	<0.2
1356776	Soil	45	0.64	77	0.093	<20	1.77	0.007	0.07	<0.1	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
1356777	Soil	41	0.64	56	0.111	<20	1.56	0.008	0.05	<0.1	0.02	2.4	0.1	<0.05	6	<0.5	<0.2
1356778	Soil	36	0.54	86	0.084	<20	1.36	0.006	0.07	<0.1	0.07	2.4	0.1	<0.05	5	<0.5	<0.2
1356779	Soil	46	0.71	53	0.101	<20	1.78	0.009	0.06	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
1356780	Soil	44	0.63	60	0.095	<20	1.92	0.006	0.07	0.1	0.02	2.4	0.1	<0.05	6	<0.5	<0.2

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN11004931.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356781	Soil		0.9	40.6	5.7	98	0.2	44.4	14.3	377	2.74	9.9	<0.5	2.2	17	0.5	0.5	<0.1	81	0.36	0.058	9
1356782	Soil		0.6	25.4	6.6	212	0.3	21.8	13.7	397	2.68	7.8	5.4	1.3	26	1.0	0.2	0.1	76	0.34	0.074	6
1356783	Soil		1.2	18.6	7.9	118	0.1	19.0	8.9	329	2.41	12.3	0.6	1.9	22	0.5	0.3	0.1	75	0.37	0.048	8
1356784	Soil		1.2	62.0	11.8	114	0.5	46.2	15.6	682	3.30	16.4	2.2	2.1	29	0.4	0.7	0.1	80	0.59	0.061	9
1356785	Soil		1.0	44.7	8.2	72	0.2	38.8	14.4	559	2.70	14.5	2.9	3.1	24	0.4	0.8	0.1	62	0.47	0.064	13
1356786	Soil		0.8	27.7	6.0	113	0.4	39.4	14.5	255	2.97	8.7	2.5	3.1	22	0.2	0.6	0.1	66	0.36	0.069	11
1356787	Soil		0.7	10.4	6.6	60	<0.1	13.6	5.0	105	2.02	6.7	0.7	2.6	9	0.4	0.3	0.2	58	0.14	0.038	9
1356788	Soil		1.9	67.0	8.4	60	0.8	33.8	11.8	821	2.35	15.5	0.9	0.7	117	1.8	1.2	0.2	36	2.59	0.056	12
1356789	Soil		2.0	63.7	11.8	101	0.7	56.2	16.6	1120	3.41	16.2	2.4	2.1	57	0.8	1.0	0.3	65	1.01	0.050	21
1356790	Soil		1.6	13.0	8.3	86	0.2	18.6	6.0	123	3.03	10.1	1.7	2.5	9	0.6	0.4	0.2	71	0.12	0.032	11
1356791	Soil		1.5	42.1	6.9	102	0.4	42.4	10.9	701	2.33	20.5	2.6	2.1	23	0.4	0.6	0.1	51	0.33	0.029	13
1356792	Soil		1.0	29.3	9.1	141	0.4	33.6	13.8	414	2.71	15.1	<0.5	3.8	13	0.5	0.6	0.2	39	0.16	0.047	14
1356793	Soil		1.6	41.4	10.6	156	0.2	49.4	15.4	626	3.51	24.4	1.4	2.1	18	0.9	0.7	0.2	72	0.32	0.098	10
1356794	Soil		2.6	167.1	10.8	99	3.2	53.6	16.9	4167	2.28	101.3	18.8	0.5	142	2.4	2.4	0.2	32	2.44	0.152	19
1356795	Soil		3.9	88.4	7.0	118	0.5	37.1	12.0	444	6.73	101.9	1.9	1.6	25	0.5	1.7	0.6	162	0.50	0.308	5
1356796	Soil		3.3	85.6	8.7	135	0.3	32.0	14.9	560	4.66	40.2	5.0	1.5	17	0.7	1.2	0.2	101	0.31	0.096	8
1356797	Soil		2.1	44.6	8.0	59	0.1	34.1	13.9	644	2.57	34.2	5.0	2.2	21	0.4	1.7	0.1	60	0.52	0.051	11
1356798	Soil		1.2	15.6	5.4	56	0.2	17.2	7.4	203	2.23	12.8	1.7	1.4	18	0.4	0.6	<0.1	60	0.42	0.041	8
1356799	Soil		1.0	27.1	6.5	58	0.3	24.4	10.3	403	2.38	14.7	2.8	1.7	25	0.4	0.6	0.1	59	0.54	0.038	11
1356800	Soil		0.8	22.2	5.0	48	0.1	20.4	9.6	393	2.16	10.4	1.3	1.5	18	0.1	0.5	<0.1	56	0.42	0.016	10
1356801	Soil		1.3	29.1	5.2	59	0.3	24.5	9.2	254	3.36	20.3	0.7	2.3	13	0.3	0.8	<0.1	77	0.35	0.076	9
1356802	Soil		0.8	42.2	6.9	55	0.2	33.3	13.2	535	2.62	43.7	4.6	2.4	20	0.2	1.2	0.1	68	0.55	0.049	10
1356803	Soil		0.9	49.0	6.0	67	0.3	40.8	13.1	451	2.83	10.1	0.6	2.0	57	0.4	0.6	0.1	77	0.75	0.032	11
1356804	Soil		0.5	37.2	6.4	61	0.4	29.5	12.7	387	2.40	6.4	<0.5	3.0	34	0.2	0.4	<0.1	72	0.48	0.025	11
1356805	Soil		1.1	48.7	9.4	133	0.1	49.1	19.4	1271	4.16	8.9	<0.5	2.1	15	0.3	0.5	0.2	109	0.34	0.122	6
1356806	Soil		1.1	41.6	7.0	110	<0.1	49.8	18.3	450	4.03	7.1	0.5	2.1	17	0.3	0.4	0.1	113	0.38	0.083	6
1356807	Soil		1.0	26.6	8.7	101	<0.1	28.7	11.1	542	3.42	7.9	<0.5	2.1	12	0.2	0.4	0.2	88	0.30	0.147	7
1356808	Soil		0.8	29.2	8.5	137	0.1	33.6	24.3	1528	4.35	4.5	2.8	1.7	25	0.3	0.3	0.2	115	0.36	0.082	6
1356809	Soil		0.9	73.5	8.9	155	0.3	53.8	34.1	1644	5.78	4.6	<0.5	1.4	101	0.4	0.4	0.2	178	1.37	0.184	6
1356810	Soil		0.7	15.7	5.8	92	<0.1	20.8	10.4	307	1.95	3.1	<0.5	1.9	17	0.1	0.3	0.1	54	0.29	0.031	7

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356781	Soil	60	0.86	57	0.092	<20	1.88	0.008	0.06	<0.1	0.01	2.9	0.1	<0.05	5	<0.5	<0.2
1356782	Soil	49	0.70	55	0.090	<20	1.89	0.008	0.07	<0.1	0.02	3.8	0.4	<0.05	6	<0.5	<0.2
1356783	Soil	34	0.41	54	0.067	<20	1.40	0.007	0.05	<0.1	0.03	1.8	0.1	<0.05	6	<0.5	<0.2
1356784	Soil	66	0.88	66	0.093	<20	2.02	0.009	0.09	0.2	0.06	5.0	0.2	<0.05	6	0.8	<0.2
1356785	Soil	56	0.78	62	0.086	<20	1.54	0.008	0.11	<0.1	0.03	3.4	0.1	<0.05	5	0.5	<0.2
1356786	Soil	60	0.67	68	0.076	<20	1.98	0.007	0.08	0.1	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
1356787	Soil	27	0.26	39	0.064	<20	0.96	0.004	0.04	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1356788	Soil	46	0.32	73	0.039	<20	1.38	0.008	0.07	0.2	0.15	2.7	<0.1	<0.05	4	2.4	<0.2
1356789	Soil	77	0.73	111	0.056	<20	2.49	0.008	0.14	0.1	0.13	5.8	0.2	<0.05	6	1.9	<0.2
1356790	Soil	41	0.35	63	0.070	<20	1.42	0.005	0.05	0.1	0.03	2.0	<0.1	<0.05	6	0.9	<0.2
1356791	Soil	61	0.60	72	0.049	<20	1.74	0.007	0.06	<0.1	0.05	4.3	0.1	<0.05	5	0.6	<0.2
1356792	Soil	12	0.38	74	0.048	<20	1.98	0.005	0.09	<0.1	0.05	2.7	0.1	<0.05	5	1.0	<0.2
1356793	Soil	47	0.53	93	0.059	<20	2.06	0.006	0.10	0.1	0.03	3.0	<0.1	<0.05	8	<0.5	<0.2
1356794	Soil	34	0.27	142	0.018	<20	1.48	0.009	0.09	0.1	0.51	3.9	0.3	0.06	3	6.7	<0.2
1356795	Soil	48	0.56	68	0.055	<20	3.35	0.005	0.04	0.4	0.11	4.4	<0.1	<0.05	15	1.7	0.5
1356796	Soil	47	0.62	67	0.061	<20	2.23	0.004	0.07	0.2	0.07	3.8	<0.1	<0.05	8	1.4	<0.2
1356797	Soil	46	0.69	57	0.086	<20	1.41	0.005	0.09	0.1	0.04	4.7	<0.1	<0.05	4	1.0	<0.2
1356798	Soil	34	0.43	42	0.066	<20	1.42	0.004	0.05	0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1356799	Soil	42	0.56	77	0.061	<20	1.65	0.005	0.08	0.1	0.05	3.6	<0.1	<0.05	5	0.9	<0.2
1356800	Soil	36	0.59	62	0.067	<20	1.56	0.004	0.05	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
1356801	Soil	47	0.62	55	0.082	<20	1.94	0.006	0.06	0.1	0.05	3.9	<0.1	<0.05	6	<0.5	<0.2
1356802	Soil	56	0.80	64	0.092	<20	1.65	0.008	0.08	0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
1356803	Soil	64	0.73	70	0.097	<20	1.96	0.008	0.07	<0.1	0.05	7.6	<0.1	<0.05	6	0.9	<0.2
1356804	Soil	47	0.56	50	0.093	<20	1.56	0.007	0.05	<0.1	0.04	4.3	<0.1	<0.05	5	0.6	<0.2
1356805	Soil	70	0.99	111	0.153	<20	2.58	0.005	0.08	0.1	0.03	4.0	0.1	<0.05	9	<0.5	<0.2
1356806	Soil	61	1.12	78	0.153	<20	2.71	0.005	0.07	<0.1	0.03	3.5	<0.1	<0.05	8	0.5	<0.2
1356807	Soil	47	0.57	78	0.115	<20	1.97	0.004	0.07	0.1	0.06	2.8	<0.1	<0.05	8	0.6	<0.2
1356808	Soil	51	0.90	80	0.214	<20	2.24	0.006	0.07	<0.1	0.04	3.6	0.1	<0.05	10	<0.5	<0.2
1356809	Soil	55	2.12	87	0.267	<20	3.02	0.007	0.06	0.1	0.04	5.8	<0.1	<0.05	12	0.5	<0.2
1356810	Soil	32	0.37	59	0.074	<20	1.36	0.007	0.05	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2

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Project: None Given
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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356811	Soil	1.1	34.0	14.1	264	0.1	38.8	23.2	639	4.28	10.6	1.6	1.4	56	0.6	0.4	0.2	115	0.51	0.092	6
1356812	Soil	0.8	23.6	4.7	81	0.6	21.7	10.0	297	1.88	5.6	1325	2.0	12	0.1	0.4	0.1	51	0.27	0.060	8
1356813	Soil	1.1	65.0	7.1	122	0.2	53.8	16.3	364	3.67	14.1	0.8	1.7	27	0.1	0.6	0.2	99	0.39	0.102	7
1356814	Soil	0.4	9.7	4.5	51	<0.1	10.2	4.8	439	0.91	4.3	<0.5	1.6	12	0.2	0.2	<0.1	28	0.25	0.019	8
1356815	Soil	1.0	18.4	9.1	142	0.1	21.2	11.8	1588	2.42	9.7	0.5	1.6	26	0.6	0.4	0.2	63	0.40	0.118	8
1356816	Soil	0.5	38.1	9.0	53	0.3	6.5	3.0	126	1.52	8.9	2.6	1.1	9	0.2	<0.1	0.2	42	0.12	0.197	7
1356817	Soil	0.6	19.9	7.0	140	0.4	24.6	11.9	583	2.19	5.4	1.1	1.4	15	0.6	0.3	0.1	55	0.26	0.075	7
1356818	Soil	1.2	49.7	10.8	123	0.5	42.3	15.8	487	2.97	14.1	1.7	2.5	16	0.5	0.8	0.1	70	0.34	0.077	11
1356819	Soil	0.7	15.3	5.7	94	0.2	25.3	9.5	266	2.24	6.8	1.6	3.0	11	0.2	0.4	0.1	42	0.18	0.064	13
1356820	Soil	1.4	74.5	11.4	144	1.4	77.4	19.8	1669	4.10	18.5	3.5	5.0	53	0.8	0.8	0.2	83	0.78	0.064	23
1356821	Soil	1.3	36.8	7.2	80	0.3	46.9	14.5	464	2.64	17.8	5.1	2.5	27	0.5	1.1	0.1	67	0.47	0.061	12
1356822	Soil	1.5	33.6	7.8	103	0.4	34.6	13.0	358	2.93	20.2	1.6	2.9	19	0.5	1.1	0.1	62	0.32	0.104	12
1356823	Soil	1.4	21.5	5.5	78	0.2	28.2	9.9	285	2.38	13.7	3.5	2.8	21	0.4	0.8	0.1	57	0.32	0.051	11
1356824	Soil	2.0	91.6	8.4	109	1.8	56.5	12.0	482	2.91	22.7	4.9	1.4	155	2.4	1.7	0.2	59	2.10	0.062	18
1356825	Soil	2.0	38.4	10.2	182	0.3	37.1	15.5	659	2.81	23.6	3.6	2.4	42	1.6	1.6	0.2	59	0.57	0.050	13
1356826	Soil	2.2	40.6	11.4	181	0.3	38.7	16.5	728	2.86	25.2	4.0	2.5	43	1.7	1.6	0.2	60	0.57	0.056	13
1356827	Soil	3.6	91.1	12.1	159	1.1	54.0	13.4	526	3.85	46.4	8.6	1.3	45	1.6	2.0	0.3	78	0.60	0.060	17
1356828	Soil	3.1	138.1	15.5	161	1.2	62.4	25.2	1068	4.52	48.4	7.5	1.9	47	2.0	1.7	0.3	90	0.65	0.061	21
1356829	Soil	2.2	45.0	8.9	88	0.4	36.1	14.3	564	2.83	27.2	4.7	1.7	26	0.5	1.3	0.2	63	0.45	0.042	14
1356830	Soil	1.3	65.7	8.5	90	0.3	39.2	14.4	597	3.19	24.7	4.6	2.2	32	0.4	1.0	0.2	70	0.49	0.038	18
1356831	Soil	1.1	44.4	7.1	67	0.2	33.1	13.3	639	2.59	20.1	4.5	2.4	29	0.5	0.9	0.1	65	0.55	0.040	15
1356832	Soil	1.3	18.3	6.6	59	0.2	17.5	5.7	144	2.55	17.2	2.4	1.9	27	0.3	0.7	0.1	63	0.40	0.076	9
1356833	Soil	1.0	49.7	7.3	92	0.5	38.9	16.0	782	3.14	22.5	2.2	1.3	35	0.6	1.0	0.1	71	0.68	0.045	15
1356834	Soil	1.4	53.0	8.5	97	0.2	36.6	16.4	462	3.56	24.0	1.5	2.6	23	0.7	0.8	0.2	81	0.39	0.036	14
1356835	Soil	1.5	73.2	9.6	158	0.6	62.5	23.0	1090	4.66	41.3	5.3	2.1	44	0.7	1.3	0.2	93	0.77	0.056	12
1356836	Soil	1.4	49.1	9.0	175	0.6	22.2	18.2	526	4.12	27.6	11.2	0.8	80	0.7	1.0	0.1	91	1.26	0.153	6
1356837	Soil	1.3	55.7	9.3	97	0.4	46.3	20.2	744	3.50	16.2	0.7	1.7	56	0.6	0.9	0.1	82	0.95	0.036	9
1356838	Soil	1.4	59.7	7.9	90	0.4	56.1	22.4	795	3.74	16.9	2.0	2.2	58	0.4	2.0	0.1	92	0.86	0.030	10
1356839	Soil	1.0	27.9	5.9	71	0.2	20.4	10.1	478	2.63	27.8	1.0	1.0	20	0.2	0.9	0.1	79	0.48	0.060	7
1356840	Soil	1.1	24.6	6.7	50	0.4	22.4	8.6	754	2.16	18.1	0.7	0.8	25	0.2	1.2	0.1	67	0.53	0.064	5

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356811	Soil	83	0.96	71	0.132	<20	1.86	0.008	0.06	<0.1	0.03	6.0	0.2	<0.05	8	0.7	<0.2
1356812	Soil	29	0.40	57	0.061	<20	1.40	0.006	0.05	<0.1	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
1356813	Soil	68	0.96	73	0.081	<20	2.93	0.006	0.11	0.1	0.05	3.8	0.2	<0.05	9	1.0	<0.2
1356814	Soil	15	0.22	40	0.065	<20	0.61	0.004	0.05	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1356815	Soil	40	0.39	153	0.077	<20	1.46	0.005	0.07	<0.1	0.03	2.8	0.2	<0.05	6	0.7	<0.2
1356816	Soil	29	0.07	77	0.062	<20	1.33	0.005	0.03	<0.1	0.05	2.6	<0.1	<0.05	6	<0.5	<0.2
1356817	Soil	42	0.39	89	0.070	<20	1.37	0.005	0.06	<0.1	0.03	2.6	0.2	<0.05	6	0.5	<0.2
1356818	Soil	56	0.67	65	0.087	<20	1.84	0.005	0.09	0.1	0.05	3.7	0.1	<0.05	6	0.9	<0.2
1356819	Soil	33	0.38	70	0.054	<20	1.35	0.004	0.06	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1356820	Soil	97	1.04	193	0.076	<20	3.32	0.009	0.16	0.2	0.20	13.8	0.3	<0.05	8	1.7	<0.2
1356821	Soil	73	0.80	56	0.092	<20	1.51	0.007	0.07	0.2	0.03	4.3	<0.1	<0.05	5	1.2	<0.2
1356822	Soil	49	0.60	60	0.079	<20	1.42	0.005	0.09	0.2	0.06	3.4	<0.1	<0.05	5	0.8	<0.2
1356823	Soil	45	0.56	61	0.063	<20	1.30	0.006	0.05	0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
1356824	Soil	65	0.70	114	0.080	<20	1.84	0.011	0.16	0.2	0.13	4.8	0.2	0.15	5	1.9	<0.2
1356825	Soil	47	0.72	71	0.066	<20	1.48	0.008	0.09	0.1	0.02	3.5	0.2	0.06	4	<0.5	<0.2
1356826	Soil	50	0.75	74	0.071	<20	1.53	0.009	0.10	<0.1	0.03	3.7	0.1	0.05	4	<0.5	<0.2
1356827	Soil	68	0.87	158	0.062	<20	2.53	0.010	0.19	0.1	0.07	5.9	0.2	<0.05	7	<0.5	<0.2
1356828	Soil	78	0.91	170	0.049	<20	2.73	0.011	0.19	<0.1	0.05	7.1	0.1	0.06	8	0.5	<0.2
1356829	Soil	56	0.79	85	0.059	<20	1.65	0.008	0.10	0.1	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
1356830	Soil	63	0.82	105	0.072	<20	2.06	0.008	0.12	<0.1	0.02	5.0	<0.1	<0.05	6	<0.5	<0.2
1356831	Soil	51	0.76	72	0.089	<20	1.65	0.008	0.09	0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
1356832	Soil	35	0.41	69	0.055	<20	1.15	0.005	0.07	0.1	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
1356833	Soil	64	0.92	111	0.073	<20	2.20	0.009	0.10	<0.1	0.04	4.7	<0.1	<0.05	6	<0.5	<0.2
1356834	Soil	66	0.78	101	0.071	<20	2.33	0.008	0.10	<0.1	0.03	5.4	0.1	<0.05	7	<0.5	<0.2
1356835	Soil	84	1.16	204	0.088	<20	3.43	0.014	0.18	0.1	0.04	7.1	0.1	<0.05	9	<0.5	<0.2
1356836	Soil	47	0.64	97	0.065	<20	2.36	0.009	0.06	0.1	0.06	4.2	<0.1	0.07	7	<0.5	<0.2
1356837	Soil	97	0.97	107	0.095	<20	2.22	0.011	0.09	<0.1	0.02	4.3	<0.1	<0.05	7	<0.5	<0.2
1356838	Soil	107	1.08	93	0.111	<20	2.32	0.010	0.09	<0.1	0.04	6.3	<0.1	<0.05	6	0.6	<0.2
1356839	Soil	42	0.60	73	0.087	<20	1.72	0.008	0.05	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
1356840	Soil	37	0.41	78	0.062	<20	1.39	0.005	0.07	<0.1	0.08	2.3	<0.1	0.08	5	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356841	Soil		1.5	21.1	7.6	112	0.2	20.8	13.6	374	3.70	34.1	1.3	1.4	14	0.4	0.9	0.2	119	0.35	0.117	6
1356842	Soil		0.6	24.2	4.8	111	0.1	23.5	11.5	347	2.58	14.4	1.4	2.0	14	0.3	0.7	<0.1	66	0.32	0.076	9
1356843	Soil		1.4	24.0	5.3	84	0.1	23.7	11.3	496	3.26	23.4	0.6	1.7	24	0.3	1.0	<0.1	81	0.49	0.131	8
1356844	Soil		1.4	23.7	6.0	77	0.4	21.1	9.9	655	2.40	13.5	<0.5	1.8	15	0.3	0.7	0.1	58	0.32	0.062	8
1356845	Soil		1.1	37.3	6.2	80	0.2	30.5	13.8	371	3.35	12.2	0.6	2.0	21	0.4	0.8	0.1	84	0.59	0.049	8
1356846	Soil		1.3	40.4	7.2	113	0.2	27.2	13.1	450	3.48	19.6	1.6	2.0	14	0.3	1.1	0.1	85	0.36	0.109	8
1356847	Soil		0.6	13.7	4.7	65	0.2	11.7	8.5	375	2.15	12.4	<0.5	0.9	14	0.2	0.5	<0.1	84	0.54	0.032	5
1356848	Soil		0.5	38.1	5.8	117	0.2	29.4	19.2	801	3.30	19.2	<0.5	1.2	19	0.3	1.4	<0.1	94	0.54	0.057	6
1356849	Soil		0.9	33.3	6.9	126	0.2	18.8	15.1	825	2.83	77.0	1.7	1.0	28	0.2	0.9	<0.1	65	0.41	0.059	6
1356850	Soil		0.7	9.8	4.4	61	0.2	11.6	7.3	397	1.75	28.5	<0.5	1.4	18	0.2	0.3	<0.1	54	0.44	0.055	8
1356851	Soil		0.8	20.1	5.2	100	0.2	21.1	10.7	314	2.64	27.2	1.8	1.7	16	0.4	1.0	<0.1	66	0.40	0.085	8
1356852	Soil		0.9	42.2	6.6	65	0.1	30.3	14.4	486	2.89	18.1	3.7	2.4	20	0.2	1.0	<0.1	70	0.44	0.052	11
1356853	Soil		0.6	10.1	4.1	67	0.1	12.9	9.3	302	1.88	10.1	<0.5	1.6	12	0.3	0.3	<0.1	51	0.31	0.101	8
1356854	Soil		0.8	24.9	8.9	131	0.1	30.5	14.0	1510	2.86	5.3	2.1	2.6	17	0.4	0.2	0.2	72	0.25	0.073	10
1356855	Soil		1.1	40.5	5.0	87	<0.1	52.4	27.0	541	4.35	3.5	<0.5	1.2	20	0.2	0.2	<0.1	104	0.43	0.059	4
1356856	Soil		1.1	41.0	5.3	65	<0.1	36.8	14.4	303	3.03	5.0	<0.5	2.4	16	0.2	0.2	<0.1	90	0.36	0.021	9
1356857	Soil		1.0	38.2	7.0	117	<0.1	45.8	16.9	286	3.71	4.8	<0.5	2.3	20	0.3	0.3	0.1	101	0.33	0.091	7
1356858	Soil		0.6	21.7	6.9	105	<0.1	39.9	16.3	379	3.69	4.1	<0.5	1.2	26	0.2	0.2	0.1	108	0.42	0.109	5
1356859	Soil		0.8	74.6	5.2	128	0.3	58.7	28.0	695	4.85	3.8	1.2	1.1	40	0.2	0.1	0.2	126	0.84	0.099	6
1356860	Soil		0.8	22.6	4.9	81	<0.1	30.8	13.1	431	2.73	5.2	2.4	1.7	34	0.2	0.4	0.1	79	0.40	0.044	8
1356861	Soil		0.8	35.9	11.4	177	0.3	23.1	15.6	897	2.80	5.4	6.9	1.3	42	0.7	0.3	0.2	88	0.52	0.056	7
1356862	Soil		1.1	27.9	4.6	62	<0.1	31.9	10.0	195	2.53	6.4	0.9	1.9	17	0.3	0.5	0.1	77	0.34	0.036	7
1356863	Soil		1.1	71.4	11.8	160	0.5	43.0	22.9	1603	3.96	6.6	2.1	1.5	77	0.7	0.5	0.2	134	0.72	0.087	7
1356864	Soil		0.8	59.3	8.4	93	0.1	33.2	15.9	1131	2.81	5.3	1.0	1.0	38	0.4	0.5	0.1	74	0.65	0.077	6
1356865	Soil		1.0	18.5	5.1	67	0.2	26.0	10.5	253	2.37	6.8	0.8	1.5	19	0.4	0.7	0.1	70	0.41	0.041	8
1356866	Soil		0.9	16.2	4.4	73	0.3	25.9	9.3	221	1.98	7.5	2.4	1.9	14	0.3	0.6	<0.1	51	0.27	0.039	9
1356867	Soil		1.0	22.4	5.4	104	0.1	28.3	11.7	244	2.42	8.8	0.8	2.3	22	0.5	0.5	0.1	54	0.37	0.070	9
1356868	Soil		0.5	6.3	4.5	45	<0.1	9.4	4.6	108	1.16	6.0	<0.5	1.7	13	0.2	0.3	0.1	39	0.22	0.023	10
1356869	Soil		0.9	64.1	6.0	74	0.2	41.6	14.8	521	2.92	9.6	3.9	2.7	45	0.3	0.7	0.1	81	0.57	0.023	9
1356870	Soil		1.8	129.8	10.3	127	1.0	74.5	20.8	1177	4.32	22.3	4.0	4.0	82	0.9	1.3	0.2	99	0.95	0.052	17

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Project: None Given
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		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	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
		MDL	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
1356841	Soil		42	0.59	59	0.115	<20	1.77	0.007	0.06	<0.1	0.03	3.3	<0.1	<0.05	8	<0.5	<0.2
1356842	Soil		40	0.67	83	0.070	<20	1.76	0.006	0.06	<0.1	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1356843	Soil		42	0.65	96	0.077	<20	1.75	0.006	0.07	0.1	0.04	3.1	<0.1	<0.05	6	<0.5	<0.2
1356844	Soil		34	0.53	101	0.062	<20	1.48	0.006	0.06	<0.1	0.05	2.6	<0.1	<0.05	5	<0.5	<0.2
1356845	Soil		45	0.80	64	0.095	<20	1.98	0.007	0.06	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
1356846	Soil		44	0.76	99	0.075	<20	2.31	0.006	0.07	0.1	0.04	4.1	<0.1	<0.05	7	<0.5	<0.2
1356847	Soil		29	0.54	56	0.072	<20	1.58	0.007	0.03	<0.1	0.02	3.6	<0.1	<0.05	7	<0.5	<0.2
1356848	Soil		41	0.98	96	0.062	<20	2.51	0.007	0.05	<0.1	0.02	5.4	<0.1	<0.05	8	<0.5	<0.2
1356849	Soil		30	0.71	94	0.039	<20	1.82	0.009	0.07	<0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1356850	Soil		25	0.44	69	0.064	<20	1.21	0.005	0.05	0.2	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1356851	Soil		39	0.62	66	0.086	<20	1.62	0.006	0.07	0.1	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
1356852	Soil		51	0.85	62	0.097	<20	1.77	0.006	0.09	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
1356853	Soil		29	0.33	68	0.060	<20	1.11	0.005	0.06	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1356854	Soil		41	0.62	109	0.085	<20	1.87	0.008	0.11	<0.1	0.03	2.3	0.1	<0.05	7	<0.5	<0.2
1356855	Soil		98	1.65	50	0.139	<20	2.75	0.005	0.09	<0.1	0.01	5.4	0.1	<0.05	8	<0.5	<0.2
1356856	Soil		54	0.80	51	0.097	<20	1.99	0.008	0.06	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
1356857	Soil		64	0.83	57	0.116	<20	2.44	0.008	0.08	<0.1	0.03	3.0	0.1	<0.05	8	<0.5	<0.2
1356858	Soil		63	0.82	46	0.127	<20	1.89	0.007	0.05	<0.1	0.04	2.0	<0.1	0.05	7	<0.5	<0.2
1356859	Soil		49	1.87	51	0.208	<20	3.06	0.010	0.06	<0.1	0.03	4.1	<0.1	<0.05	10	0.8	<0.2
1356860	Soil		47	0.59	60	0.095	<20	1.83	0.005	0.08	<0.1	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
1356861	Soil		40	0.48	89	0.118	<20	1.84	0.009	0.07	<0.1	0.04	3.1	0.3	<0.05	7	0.8	<0.2
1356862	Soil		47	0.55	45	0.086	<20	1.75	0.006	0.06	0.1	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
1356863	Soil		63	0.75	111	0.149	<20	2.58	0.008	0.09	<0.1	0.07	4.8	0.3	<0.05	9	<0.5	<0.2
1356864	Soil		47	0.55	65	0.095	<20	1.66	0.006	0.07	<0.1	0.08	2.7	0.2	<0.05	6	<0.5	<0.2
1356865	Soil		47	0.49	48	0.088	<20	1.40	0.007	0.05	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1356866	Soil		37	0.43	52	0.069	<20	1.31	0.005	0.05	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1356867	Soil		45	0.43	57	0.068	<20	1.49	0.008	0.06	<0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1356868	Soil		21	0.21	33	0.047	<20	0.77	0.004	0.03	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1356869	Soil		69	0.68	60	0.098	<20	1.87	0.008	0.07	<0.1	0.04	7.0	0.1	<0.05	6	0.6	<0.2
1356870	Soil		107	0.93	130	0.092	<20	2.82	0.010	0.16	0.1	0.16	12.6	0.3	<0.05	8	1.6	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356871	Soil		1.4	47.1	7.9	82	0.2	49.7	18.2	703	3.23	21.4	5.7	3.4	42	0.5	1.6	0.1	66	0.65	0.064	15
1356872	Soil		1.3	65.9	8.0	80	0.8	53.8	15.5	663	2.99	17.7	3.2	0.9	99	1.0	1.5	0.2	69	1.59	0.063	11
1356873	Soil		1.0	17.7	5.5	72	0.3	26.5	7.1	211	1.93	12.6	1.4	2.0	28	0.5	0.6	0.1	46	0.37	0.037	11
1356874	Soil		2.0	93.5	8.9	60	1.2	61.1	7.6	136	1.97	8.3	7.1	1.0	181	1.1	1.2	0.2	37	2.92	0.094	30
1356875	Soil		1.2	34.2	2.8	18	0.4	13.2	2.8	77	0.72	2.0	2.3	0.2	191	0.8	0.7	<0.1	<2	3.11	0.105	3
1356876	Soil		2.0	18.0	6.3	86	0.4	23.0	7.4	181	3.04	19.3	1.5	2.1	15	0.7	0.8	0.1	75	0.22	0.033	9
1356877	Soil		2.4	65.3	9.5	154	0.9	48.9	14.3	623	3.31	41.8	6.2	1.7	49	2.0	1.6	0.2	60	0.78	0.053	14
1356878	Soil		6.4	205.5	18.6	277	4.2	103.6	19.8	743	5.61	94.3	24.8	2.3	106	5.9	4.3	0.4	92	1.77	0.108	26
1356879	Soil		3.6	75.3	9.2	137	1.2	50.4	13.7	539	3.09	39.1	7.0	2.2	44	1.6	2.4	0.2	60	0.74	0.043	16
1356880	Soil		2.0	44.0	10.5	142	0.5	39.4	14.5	470	3.34	29.9	14.0	2.3	36	1.2	1.1	0.2	69	0.56	0.051	12
1356881	Soil		1.7	60.2	8.4	84	0.6	42.1	15.3	634	3.21	29.5	3.7	2.8	39	0.8	1.2	0.1	62	0.64	0.029	13
1356882	Soil		2.9	212.7	19.0	262	3.0	130.5	30.0	1645	7.67	65.9	11.1	5.0	94	2.8	1.4	0.4	120	1.17	0.104	20
1356883	Soil		2.3	63.2	8.4	130	0.9	46.5	16.5	768	3.20	28.4	3.9	2.7	40	1.1	1.2	0.2	63	0.67	0.033	13
1356884	Soil		1.1	24.8	5.2	77	0.3	26.6	10.9	419	2.58	22.8	1.9	1.7	37	0.5	0.9	<0.1	64	0.56	0.050	9
1356885	Soil		1.0	24.9	5.0	76	0.3	25.6	10.6	426	2.49	22.9	1.0	1.5	43	0.5	1.0	<0.1	60	0.63	0.053	9
1356886	Soil		0.4	9.2	3.9	28	0.1	9.9	3.8	159	0.99	1.9	<0.5	2.0	27	<0.1	0.1	0.1	22	0.28	0.018	12
1356887	Soil		0.3	13.3	4.7	60	0.1	21.2	8.4	333	1.74	1.9	1.3	3.0	19	0.5	0.2	<0.1	34	0.30	0.042	17
1356888	Soil		0.3	8.7	6.7	55	0.1	15.9	6.6	724	1.51	2.0	<0.5	2.0	22	0.2	<0.1	0.1	18	0.26	0.044	14
1356889	Soil		0.3	9.3	6.2	70	<0.1	22.1	7.4	143	2.17	2.1	<0.5	4.2	10	<0.1	<0.1	0.2	22	0.10	0.051	15
1356890	Soil		0.5	18.6	9.1	75	<0.1	31.0	9.8	168	2.69	3.1	<0.5	4.6	13	0.1	0.1	0.2	30	0.11	0.065	15
1356891	Soil		0.4	11.8	7.4	75	<0.1	24.5	9.3	174	2.30	1.8	1.2	4.3	12	<0.1	<0.1	0.2	26	0.13	0.042	16
1356892	Soil		0.7	59.9	5.6	118	0.2	58.8	22.6	313	4.34	4.3	0.9	2.6	30	0.1	0.1	0.2	87	0.48	0.115	7
1356893	Soil		0.7	19.9	7.2	114	0.2	53.1	12.8	273	3.08	3.1	0.7	3.3	19	0.1	0.1	0.2	49	0.23	0.083	12
1356894	Soil		0.5	13.0	6.9	51	<0.1	22.2	7.4	148	2.22	3.1	0.8	4.8	13	<0.1	0.1	0.1	20	0.11	0.044	18
1356895	Soil		0.4	14.9	8.3	85	<0.1	19.9	10.1	396	2.22	2.6	<0.5	3.4	10	0.1	0.1	0.2	37	0.09	0.059	11
1356896	Soil		0.3	10.1	6.3	73	<0.1	15.7	7.3	188	1.64	2.8	0.8	3.7	17	<0.1	0.1	0.1	24	0.13	0.050	14
1356897	Soil		1.3	21.6	10.3	60	0.4	25.2	8.3	294	2.04	4.0	<0.5	3.4	75	0.4	0.5	0.2	32	0.38	0.019	16
1356898	Soil		1.1	18.7	9.4	71	0.3	25.5	8.2	243	1.93	3.9	<0.5	3.5	62	0.3	0.5	0.2	31	0.32	0.017	15
1356899	Soil		0.6	12.9	6.8	80	<0.1	22.4	8.3	140	2.37	5.5	<0.5	3.9	13	<0.1	0.9	0.2	38	0.10	0.101	13
1356900	Soil		1.4	62.9	10.7	81	<0.1	35.1	18.2	732	3.47	14.0	2.8	4.5	27	0.3	1.4	0.2	73	0.60	0.090	14

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	Analyte	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
	MDL	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
1356871	Soil	76	0.96	73	0.092	<20	1.63	0.013	0.14	0.2	0.06	5.4	0.2	<0.05	5	0.6	<0.2
1356872	Soil	88	0.65	103	0.052	<20	1.73	0.011	0.11	0.2	0.14	4.6	0.2	<0.05	5	3.2	<0.2
1356873	Soil	37	0.39	59	0.054	<20	1.13	0.005	0.06	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1356874	Soil	74	0.59	159	0.032	<20	2.24	0.014	0.18	0.2	0.28	5.2	0.2	0.11	5	5.9	<0.2
1356875	Soil	18	0.15	39	0.008	<20	0.32	0.011	0.02	<0.1	0.21	1.4	<0.1	0.21	<1	3.2	<0.2
1356876	Soil	57	0.52	54	0.076	<20	1.63	0.006	0.05	0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1356877	Soil	61	0.71	125	0.062	<20	2.09	0.010	0.15	<0.1	0.05	5.9	0.1	<0.05	6	1.2	<0.2
1356878	Soil	101	1.00	237	0.053	<20	3.49	0.012	0.25	0.2	0.21	12.4	0.3	<0.05	9	3.5	<0.2
1356879	Soil	55	0.66	103	0.050	<20	1.78	0.008	0.12	0.1	0.10	6.3	0.2	<0.05	5	1.9	<0.2
1356880	Soil	58	0.58	108	0.043	<20	1.99	0.008	0.10	<0.1	0.03	4.4	0.1	<0.05	7	0.9	<0.2
1356881	Soil	59	0.76	96	0.081	<20	1.89	0.008	0.11	<0.1	0.05	5.7	<0.1	<0.05	6	1.7	<0.2
1356882	Soil	152	1.50	340	0.083	<20	5.31	0.024	0.40	0.1	0.15	14.4	0.3	<0.05	13	1.4	<0.2
1356883	Soil	59	0.71	98	0.072	<20	2.08	0.009	0.13	0.1	0.06	6.7	0.1	<0.05	6	<0.5	<0.2
1356884	Soil	45	0.57	60	0.077	<20	1.47	0.005	0.07	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
1356885	Soil	45	0.56	65	0.079	<20	1.44	0.005	0.07	0.1	0.05	3.3	<0.1	<0.05	5	<0.5	<0.2
1356886	Soil	20	0.17	32	0.049	<20	0.60	0.007	0.06	0.3	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1356887	Soil	32	0.41	56	0.048	<20	1.22	0.006	0.07	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1356888	Soil	21	0.30	78	0.026	<20	0.96	0.004	0.08	<0.1	0.05	1.2	<0.1	<0.05	4	<0.5	<0.2
1356889	Soil	26	0.38	68	0.031	<20	1.54	0.005	0.09	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1356890	Soil	33	0.46	71	0.043	<20	2.07	0.005	0.14	<0.1	0.04	2.2	0.1	<0.05	6	<0.5	<0.2
1356891	Soil	29	0.39	74	0.037	<20	1.64	0.006	0.10	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1356892	Soil	62	1.18	56	0.112	<20	2.70	0.008	0.11	<0.1	0.03	3.5	<0.1	<0.05	8	<0.5	<0.2
1356893	Soil	44	0.62	76	0.089	<20	2.09	0.006	0.12	<0.1	0.03	2.5	0.1	<0.05	7	<0.5	<0.2
1356894	Soil	27	0.42	56	0.038	<20	1.30	0.005	0.09	<0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1356895	Soil	30	0.34	100	0.041	<20	1.51	0.009	0.09	<0.1	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
1356896	Soil	22	0.37	44	0.048	<20	1.03	0.007	0.06	<0.1	0.01	1.4	<0.1	0.05	4	<0.5	<0.2
1356897	Soil	30	0.33	70	0.044	<20	1.35	0.013	0.09	<0.1	0.03	2.4	<0.1	0.07	4	<0.5	<0.2
1356898	Soil	29	0.37	62	0.046	<20	1.25	0.011	0.08	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1356899	Soil	33	0.44	64	0.042	<20	1.55	0.006	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
1356900	Soil	42	0.92	55	0.122	<20	1.68	0.010	0.11	0.1	0.04	5.0	0.1	<0.05	6	<0.5	<0.2

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Project: None Given
Report Date: October 25, 2011

CERTIFICATE OF ANALYSIS VAN11004931.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1357051	Soil	0.6	21.6	6.6	51	0.1	22.6	8.7	418	1.86	4.7	<0.5	3.4	15	0.2	0.4	0.2	26	0.16	0.024	20
1357052	Soil	0.3	7.8	6.1	53	<0.1	17.9	6.8	164	1.54	2.0	<0.5	3.6	19	0.1	<0.1	0.2	26	0.22	0.041	14
1357053	Soil	0.6	26.9	7.2	96	0.2	24.2	13.4	396	2.88	2.5	<0.5	1.7	30	0.1	0.1	0.2	67	0.37	0.110	8
1357054	Soil	0.5	11.1	8.4	78	0.2	15.2	8.6	533	2.21	2.1	<0.5	3.2	12	0.1	<0.1	0.2	41	0.18	0.063	11
1357055	Soil	0.5	19.4	7.9	108	<0.1	27.8	12.9	396	2.62	3.1	<0.5	2.8	26	0.1	0.2	0.2	54	0.33	0.082	9
1357056	Soil	0.6	32.4	8.0	84	<0.1	33.9	12.0	312	2.88	6.1	0.5	4.0	21	0.1	0.4	0.2	43	0.25	0.121	13
1357057	Soil	0.8	133.6	13.8	113	0.4	62.1	17.8	1019	4.15	4.7	1.2	4.9	124	0.6	0.6	0.3	81	1.08	0.046	18
1357058	Soil	0.6	30.6	10.5	105	0.2	39.6	12.5	178	3.09	5.1	<0.5	5.0	25	0.3	0.3	0.3	50	0.22	0.107	11
1357059	Soil	0.5	16.6	9.7	84	0.1	23.8	9.5	561	2.17	3.1	<0.5	2.3	28	0.1	0.2	0.2	35	0.23	0.089	10
1357060	Soil	0.5	33.4	10.0	150	<0.1	30.2	12.6	345	2.80	4.6	<0.5	2.8	67	0.2	0.3	0.2	53	0.61	0.074	11
1357061	Soil	1.5	203.2	17.0	196	1.4	109.1	21.3	854	6.70	17.6	3.6	8.6	144	0.9	1.6	0.5	106	1.16	0.057	23
1357062	Soil	0.5	15.4	6.0	55	0.1	21.4	6.1	140	1.62	3.4	<0.5	2.9	19	0.2	0.3	0.1	30	0.17	0.024	14
1357063	Soil	0.6	18.5	8.5	90	<0.1	29.2	10.3	308	2.20	5.7	<0.5	3.7	27	0.4	0.4	0.1	34	0.27	0.058	15
1357064	Soil	1.0	36.4	8.6	78	0.1	36.3	13.1	410	2.59	11.0	2.9	5.1	23	0.3	1.1	0.2	46	0.25	0.051	17
1357065	Soil	0.3	24.4	7.4	57	<0.1	39.2	10.2	213	2.57	4.1	0.6	7.8	21	0.1	0.3	0.2	29	0.16	0.039	25
1357066	Soil	0.3	8.2	5.7	46	<0.1	11.7	4.7	106	1.27	1.7	<0.5	2.8	15	<0.1	0.1	0.1	19	0.10	0.020	17
1357067	Soil	0.7	8.2	6.3	64	0.1	15.2	7.2	135	1.88	3.1	<0.5	4.0	10	0.1	0.2	0.2	31	0.12	0.047	13
1357068	Soil	0.9	30.9	8.5	92	0.2	33.2	11.5	482	2.52	3.8	1.3	4.6	40	0.3	0.4	0.2	36	0.32	0.023	21
1357069	Soil	0.6	11.3	7.8	108	0.2	22.2	8.8	590	1.87	2.5	<0.5	3.6	26	0.3	0.2	0.2	26	0.21	0.023	14
1357070	Soil	0.9	19.0	5.6	100	<0.1	23.0	8.3	236	2.38	10.6	<0.5	4.0	12	0.2	0.5	0.1	35	0.13	0.072	14
1357071	Soil	1.6	21.3	7.4	84	0.1	27.5	8.7	161	2.59	11.0	<0.5	4.6	17	0.3	0.7	0.2	36	0.17	0.073	16
1357072	Soil	2.0	37.5	9.8	90	0.4	32.7	12.2	970	2.51	9.4	2.4	4.9	51	0.6	0.7	0.2	36	0.44	0.028	18
1357073	Soil	1.7	35.2	12.9	121	0.5	34.9	11.6	517	3.22	7.5	0.7	5.1	64	0.5	0.4	0.3	42	0.56	0.039	20
1357074	Soil	1.1	14.0	7.9	56	0.2	15.4	5.8	168	1.98	4.4	<0.5	3.4	31	0.3	0.2	0.2	32	0.29	0.021	16
1357075	Soil	1.3	13.1	6.9	77	0.5	11.8	6.6	293	1.67	7.0	<0.5	2.0	17	0.4	0.4	0.2	41	0.19	0.031	9
1357076	Soil	1.7	37.6	8.8	87	0.3	30.4	12.1	552	2.27	13.2	0.8	1.1	62	0.9	0.8	0.2	33	0.95	0.045	11
1357077	Soil	1.9	52.4	9.8	63	0.5	42.4	14.0	452	2.45	9.9	2.7	2.1	52	0.2	0.8	0.2	39	0.66	0.047	15
1357078	Soil	3.1	52.3	9.9	73	0.7	49.6	14.8	1110	2.84	12.6	4.6	3.5	46	0.7	0.9	0.2	45	0.60	0.039	18
1357079	Soil	3.2	53.3	9.9	74	0.6	50.0	15.8	1193	2.99	13.1	2.8	3.6	48	0.7	0.8	0.2	47	0.61	0.037	18
1357080	Soil	1.0	11.8	13.6	43	0.1	12.1	6.5	270	2.14	3.4	0.7	0.7	13	0.9	0.1	0.2	121	0.56	0.049	3

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1357051	Soil	29	0.41	53	0.050	<20	1.06	0.007	0.08	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1357052	Soil	21	0.37	36	0.055	<20	0.91	0.006	0.06	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1357053	Soil	31	0.63	64	0.114	<20	1.97	0.009	0.08	<0.1	0.04	2.6	<0.1	<0.05	7	<0.5	<0.2
1357054	Soil	22	0.34	72	0.074	<20	1.36	0.006	0.09	<0.1	0.04	2.1	0.1	<0.05	5	<0.5	<0.2
1357055	Soil	33	0.69	73	0.102	<20	1.77	0.009	0.11	0.2	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
1357056	Soil	35	0.59	82	0.072	<20	1.92	0.007	0.10	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
1357057	Soil	81	0.78	106	0.107	<20	3.16	0.013	0.14	0.1	0.08	7.9	0.3	0.05	8	1.0	<0.2
1357058	Soil	40	0.57	91	0.083	<20	2.36	0.007	0.11	0.1	0.03	2.7	<0.1	<0.05	7	<0.5	<0.2
1357059	Soil	26	0.35	101	0.049	<20	1.50	0.007	0.09	0.1	0.06	1.6	<0.1	<0.05	5	<0.5	<0.2
1357060	Soil	31	0.49	75	0.064	<20	1.97	0.009	0.11	<0.1	0.05	2.7	0.1	<0.05	6	0.7	<0.2
1357061	Soil	136	1.06	241	0.109	<20	4.98	0.023	0.32	0.2	0.13	13.9	0.4	<0.05	11	1.0	<0.2
1357062	Soil	29	0.42	38	0.044	<20	1.07	0.008	0.06	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1357063	Soil	33	0.53	64	0.047	<20	1.37	0.007	0.11	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1357064	Soil	46	0.68	69	0.069	<20	1.54	0.009	0.12	<0.1	0.05	3.6	0.1	<0.05	4	0.6	<0.2
1357065	Soil	63	0.83	39	0.063	<20	1.53	0.012	0.13	<0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
1357066	Soil	18	0.30	35	0.038	<20	0.84	0.006	0.05	<0.1	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1357067	Soil	25	0.31	46	0.047	<20	1.11	0.007	0.06	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1357068	Soil	40	0.61	69	0.053	<20	1.61	0.011	0.10	<0.1	0.04	3.4	0.1	<0.05	5	0.6	<0.2
1357069	Soil	27	0.46	59	0.039	<20	1.24	0.007	0.08	<0.1	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
1357070	Soil	27	0.45	72	0.015	<20	1.40	0.007	0.08	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1357071	Soil	30	0.48	56	0.040	<20	1.34	0.007	0.08	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1357072	Soil	38	0.52	129	0.044	<20	1.61	0.012	0.12	<0.1	0.05	3.6	0.1	<0.05	4	0.6	<0.2
1357073	Soil	40	0.57	152	0.048	<20	2.06	0.013	0.16	0.1	0.03	3.4	0.1	<0.05	6	0.8	<0.2
1357074	Soil	25	0.32	47	0.038	<20	0.97	0.006	0.06	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1357075	Soil	22	0.27	47	0.071	<20	0.68	0.006	0.05	<0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1357076	Soil	35	0.48	130	0.047	<20	1.38	0.013	0.09	<0.1	0.06	1.9	0.1	<0.05	3	2.0	<0.2
1357077	Soil	59	0.61	144	0.056	<20	1.56	0.008	0.16	0.1	0.09	4.0	0.1	<0.05	4	1.3	<0.2
1357078	Soil	52	0.57	137	0.063	<20	1.67	0.009	0.17	0.1	0.07	3.8	0.1	<0.05	4	0.9	<0.2
1357079	Soil	55	0.60	141	0.070	<20	1.78	0.010	0.18	<0.1	0.06	4.0	0.1	<0.05	5	1.1	<0.2
1357080	Soil	36	0.26	37	0.275	<20	0.95	0.010	0.03	<0.1	0.04	2.4	<0.1	<0.05	7	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1357081	Soil	0.7	9.1	4.8	36	<0.1	14.0	4.4	88	1.55	2.5	<0.5	2.8	13	<0.1	0.2	0.1	38	0.10	0.023	13
1357082	Soil	0.5	17.0	8.3	75	<0.1	28.9	9.9	194	2.51	3.5	<0.5	4.6	12	<0.1	0.2	0.1	32	0.10	0.065	14
1357083	Soil	0.4	8.6	7.9	44	<0.1	13.8	4.7	144	1.74	3.0	1.7	2.8	8	<0.1	0.1	0.2	35	0.09	0.051	10
1357084	Soil	0.7	23.8	8.3	78	0.1	35.1	10.8	195	2.66	3.7	<0.5	4.6	10	0.1	0.3	0.2	42	0.11	0.063	12
1357085	Soil	0.7	22.3	7.1	66	<0.1	26.2	9.9	177	2.21	5.8	0.7	4.5	23	<0.1	0.4	0.1	35	0.16	0.038	14
1357086	Soil	0.7	39.3	5.8	71	<0.1	43.4	13.5	308	2.42	5.0	<0.5	3.9	41	0.1	0.3	0.1	50	0.32	0.027	14
1357087	Soil	1.4	66.1	7.2	135	0.2	42.1	22.8	551	4.53	4.7	<0.5	1.7	33	0.3	0.3	0.2	151	0.60	0.146	5
1357088	Soil	0.8	24.1	5.3	54	0.1	28.5	9.7	346	1.77	4.6	1.9	2.5	32	0.2	0.4	<0.1	40	0.28	0.027	12
1357089	Soil	1.0	53.4	7.8	62	0.8	53.7	12.4	761	2.42	7.5	1.3	3.6	61	0.4	0.7	0.1	53	0.47	0.032	17
1357090	Soil	0.8	41.1	10.1	50	0.2	37.0	13.4	408	2.66	4.4	<0.5	7.2	28	0.1	0.5	0.2	33	0.27	0.044	24
1357091	Soil	1.0	22.8	8.8	77	0.1	24.3	8.3	197	2.15	5.0	<0.5	2.9	47	0.2	0.3	0.2	37	0.51	0.031	12
1357092	Soil	1.9	36.5	9.7	69	0.9	32.3	10.9	447	2.18	15.0	2.3	1.1	90	1.1	0.9	0.1	35	1.30	0.046	11
1357093	Soil	1.9	22.5	7.6	99	0.2	26.6	9.3	209	2.17	10.9	1.1	2.9	25	0.5	0.5	0.1	44	0.37	0.021	14
1357094	Soil	1.5	88.8	1.6	33	0.5	38.1	1.4	353	0.21	<0.5	<0.5	0.1	227	3.8	2.1	<0.1	4	4.66	0.056	6
1357095	Soil	1.3	31.5	8.2	140	0.3	35.5	13.8	573	2.47	12.8	<0.5	2.4	50	1.0	1.0	0.1	46	0.76	0.034	11
1357096	Soil	1.5	44.5	8.7	65	0.3	37.7	13.3	356	2.87	18.7	2.4	4.3	37	0.3	0.9	0.1	50	0.55	0.038	15
1357097	Soil	2.7	207.0	11.9	136	2.4	70.1	18.4	1865	3.95	40.8	6.4	1.9	134	2.8	2.8	0.2	68	2.07	0.086	21
1357098	Soil	1.7	37.3	7.4	143	0.5	37.4	14.0	1072	2.45	14.9	0.7	2.1	35	0.7	0.9	0.1	53	0.53	0.026	9
1357099	Soil	0.7	16.7	5.5	88	0.2	16.6	8.7	785	1.87	9.9	0.5	1.6	27	0.6	0.4	<0.1	51	0.43	0.062	8
1357100	Soil	0.8	14.4	7.9	131	0.2	17.7	12.4	1367	1.89	9.2	<0.5	1.4	31	0.5	0.2	0.1	45	0.43	0.067	8

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Project: None Given
Report Date: October 25, 2011

CERTIFICATE OF ANALYSIS VAN11004931.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1357081	Soil	23	0.29	23	0.053	<20	0.83	0.006	0.05	<0.1	<0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
1357082	Soil	34	0.53	61	0.047	<20	1.52	0.005	0.09	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1357083	Soil	24	0.24	52	0.042	<20	1.01	0.005	0.06	<0.1	0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
1357084	Soil	39	0.51	83	0.056	<20	1.92	0.005	0.11	<0.1	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1357085	Soil	32	0.47	43	0.043	<20	1.46	0.006	0.07	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1357086	Soil	51	0.82	52	0.083	<20	1.60	0.009	0.07	<0.1	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
1357087	Soil	67	0.84	54	0.218	<20	2.76	0.008	0.07	0.2	0.06	3.8	<0.1	<0.05	13	<0.5	<0.2
1357088	Soil	37	0.47	61	0.057	<20	1.14	0.008	0.06	<0.1	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1357089	Soil	59	0.59	96	0.056	<20	1.56	0.011	0.12	<0.1	0.09	5.3	0.1	<0.05	4	<0.5	<0.2
1357090	Soil	41	0.66	57	0.065	<20	1.49	0.012	0.13	<0.1	0.05	4.0	0.1	<0.05	4	<0.5	<0.2
1357091	Soil	33	0.39	53	0.044	<20	1.12	0.008	0.07	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1357092	Soil	34	0.44	63	0.036	<20	1.29	0.008	0.07	<0.1	0.10	2.2	<0.1	0.06	3	1.2	<0.2
1357093	Soil	42	0.50	64	0.032	<20	1.45	0.008	0.06	0.2	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1357094	Soil	5	0.16	46	0.005	<20	0.18	0.009	0.01	<0.1	0.11	0.2	<0.1	0.17	<1	4.7	<0.2
1357095	Soil	47	0.53	80	0.063	<20	1.53	0.010	0.12	<0.1	0.02	2.8	<0.1	<0.05	4	0.9	<0.2
1357096	Soil	49	0.63	80	0.077	<20	1.66	0.010	0.12	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
1357097	Soil	83	0.62	169	0.056	<20	2.52	0.013	0.18	0.1	0.18	8.2	0.2	0.08	6	2.4	<0.2
1357098	Soil	58	0.52	93	0.086	<20	1.68	0.008	0.09	<0.1	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
1357099	Soil	30	0.35	77	0.065	<20	1.08	0.008	0.06	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1357100	Soil	29	0.32	180	0.046	<20	1.06	0.007	0.07	0.2	0.06	2.0	<0.1	<0.05	4	<0.5	<0.2

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QUALITY CONTROL REPORT VAN11004931.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1356763	Soil	1.0	68.7	9.7	91	0.2	44.8	19.7	752	3.43	15.8	14.8	2.2	50	0.4	1.3	0.1	93	0.78	0.064	10
REP 1356763	QC	1.2	70.8	9.8	95	0.2	47.3	21.0	820	3.61	17.0	7.0	2.2	49	0.4	1.3	0.1	97	0.79	0.068	10
1356820	Soil	1.4	74.5	11.4	144	1.4	77.4	19.8	1669	4.10	18.5	3.5	5.0	53	0.8	0.8	0.2	83	0.78	0.064	23
REP 1356820	QC	1.4	73.6	10.9	140	1.4	78.2	20.0	1607	3.95	18.4	3.8	4.9	51	0.9	0.8	0.2	80	0.77	0.064	23
1356828	Soil	3.1	138.1	15.5	161	1.2	62.4	25.2	1068	4.52	48.4	7.5	1.9	47	2.0	1.7	0.3	90	0.65	0.061	21
REP 1356828	QC	3.3	147.0	16.0	165	1.2	67.9	26.1	1086	4.63	49.8	6.5	2.0	52	1.9	1.7	0.3	91	0.66	0.065	22
1356859	Soil	0.8	74.6	5.2	128	0.3	58.7	28.0	695	4.85	3.8	1.2	1.1	40	0.2	0.1	0.2	126	0.84	0.099	6
REP 1356859	QC	0.8	77.0	5.6	133	0.3	60.6	29.4	727	4.94	3.9	1.0	1.1	42	0.2	0.1	0.2	134	0.87	0.101	6
1357058	Soil	0.6	30.6	10.5	105	0.2	39.6	12.5	178	3.09	5.1	<0.5	5.0	25	0.3	0.3	0.3	50	0.22	0.107	11
REP 1357058	QC	0.7	32.4	10.8	111	0.2	41.3	12.9	181	3.24	5.6	<0.5	5.0	28	0.3	0.3	0.3	52	0.23	0.109	12
1357078	Soil	3.1	52.3	9.9	73	0.7	49.6	14.8	1110	2.84	12.6	4.6	3.5	46	0.7	0.9	0.2	45	0.60	0.039	18
REP 1357078	QC	3.1	52.8	10.1	74	0.6	48.0	15.0	1114	2.86	12.6	1.9	3.5	47	0.8	0.8	0.2	45	0.61	0.039	18
Reference Materials																					
STD DS8	Standard	14.3	109.3	135.0	332	1.8	39.1	7.7	663	2.59	26.6	100.6	6.6	75	2.4	5.4	6.8	45	0.70	0.089	17
STD DS8	Standard	14.6	108.3	127.4	314	1.6	37.9	7.5	619	2.42	26.8	131.9	7.0	66	2.5	4.9	6.5	40	0.68	0.077	15
STD DS8	Standard	13.3	108.2	130.0	321	1.8	37.3	7.4	633	2.50	25.0	122.8	6.5	69	2.3	5.3	6.3	44	0.66	0.076	16
STD DS8	Standard	14.1	108.7	127.3	308	2.0	36.4	7.4	605	2.43	25.9	95.7	6.8	68	2.6	5.1	7.2	38	0.65	0.077	15
STD DS8	Standard	15.2	114.8	132.4	322	1.8	40.2	8.2	626	2.54	27.0	97.3	6.8	74	2.2	3.4	7.3	45	0.71	0.082	16
STD DS8	Standard	14.3	115.3	127.0	308	1.8	40.4	7.8	592	2.37	23.7	104.9	6.9	64	2.2	5.0	6.0	43	0.65	0.075	14
STD DS8	Standard	12.9	126.9	132.1	327	1.9	38.1	7.7	603	2.48	26.4	121.8	7.0	72	2.3	6.0	7.7	42	0.68	0.083	14
STD OREAS45CA	Standard	0.6	483.3	19.4	61	0.2	230.1	82.4	904	15.81	3.7	47.6	6.8	15	<0.1	<0.1	0.2	180	0.40	0.036	15
STD OREAS45CA	Standard	0.9	498.3	20.6	63	0.3	245.0	88.3	912	15.90	4.3	42.6	7.3	15	<0.1	<0.1	0.2	199	0.44	0.039	16
STD OREAS45CA	Standard	0.7	521.3	20.9	62	0.3	253.7	92.1	870	16.25	4.0	40.3	6.8	15	0.1	<0.1	0.2	206	0.41	0.035	16
STD OREAS45CA	Standard	1.0	514.0	20.6	62	0.3	252.0	89.8	923	16.31	4.7	41.4	6.6	17	0.1	0.1	0.2	199	0.46	0.037	17
STD OREAS45CA	Standard	0.6	527.5	21.2	64	0.3	255.6	91.8	904	16.34	4.2	48.4	7.5	17	0.1	<0.1	0.2	198	0.43	0.037	17
STD OREAS45CA	Standard	1.1	535.1	21.0	60	0.3	257.1	92.1	889	15.93	3.7	39.2	7.2	16	<0.1	0.1	0.1	208	0.40	0.033	17
STD OREAS45CA	Standard	0.8	493.5	21.4	61	0.3	237.3	87.9	912	15.98	4.3	41.3	7.8	16	<0.1	0.1	0.2	173	0.40	0.037	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	0.08	14.6

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QUALITY CONTROL REPORT VAN11004931.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
Pulp Duplicates																	
1356763	Soil	71	1.07	71	0.126	<20	1.98	0.011	0.08	0.1	0.06	5.6	0.1	<0.05	6	0.6	<0.2
REP 1356763	QC	74	1.07	73	0.121	<20	2.01	0.009	0.08	0.1	0.05	5.6	0.2	<0.05	6	<0.5	<0.2
1356820	Soil	97	1.04	193	0.076	<20	3.32	0.009	0.16	0.2	0.20	13.8	0.3	<0.05	8	1.7	<0.2
REP 1356820	QC	91	1.01	191	0.073	<20	3.14	0.008	0.16	0.2	0.20	13.3	0.3	<0.05	8	1.6	<0.2
1356828	Soil	78	0.91	170	0.049	<20	2.73	0.011	0.19	<0.1	0.05	7.1	0.1	0.06	8	0.5	<0.2
REP 1356828	QC	80	0.93	181	0.049	<20	2.89	0.011	0.19	0.1	0.07	7.1	0.1	0.05	8	<0.5	<0.2
1356859	Soil	49	1.87	51	0.208	<20	3.06	0.010	0.06	<0.1	0.03	4.1	<0.1	<0.05	10	0.8	<0.2
REP 1356859	QC	51	1.95	53	0.214	<20	3.18	0.010	0.06	<0.1	0.04	4.4	<0.1	<0.05	11	0.5	<0.2
1357058	Soil	40	0.57	91	0.083	<20	2.36	0.007	0.11	0.1	0.03	2.7	<0.1	<0.05	7	<0.5	<0.2
REP 1357058	QC	43	0.58	97	0.087	<20	2.49	0.008	0.13	0.1	0.03	2.9	0.1	<0.05	7	<0.5	<0.2
1357078	Soil	52	0.57	137	0.063	<20	1.67	0.009	0.17	0.1	0.07	3.8	0.1	<0.05	4	0.9	<0.2
REP 1357078	QC	54	0.58	136	0.062	<20	1.70	0.009	0.17	0.1	0.07	3.7	0.1	<0.05	4	1.3	<0.2
Reference Materials																	
STD DS8	Standard	114	0.66	325	0.117	<20	0.97	0.093	0.43	3.0	0.21	2.0	5.7	0.16	5	5.9	5.0
STD DS8	Standard	112	0.55	304	0.112	<20	0.89	0.075	0.41	2.3	0.21	2.3	5.3	<0.05	5	4.7	5.1
STD DS8	Standard	115	0.62	296	0.114	<20	0.91	0.092	0.41	2.3	0.22	1.9	5.8	0.19	5	5.9	4.9
STD DS8	Standard	114	0.55	293	0.114	<20	0.88	0.077	0.41	2.5	0.20	2.4	6.0	0.08	5	4.7	5.0
STD DS8	Standard	124	0.66	307	0.131	<20	0.98	0.095	0.43	2.2	0.19	2.2	5.8	0.19	5	5.5	5.2
STD DS8	Standard	121	0.59	280	0.122	<20	0.88	0.082	0.38	2.3	0.18	2.1	5.3	0.14	4	5.6	4.9
STD DS8	Standard	115	0.61	305	0.121	<20	0.88	0.097	0.42	3.0	0.18	2.5	5.5	0.20	5	5.8	4.7
STD OREAS45CA	Standard	626	0.14	157	0.106	<20	3.53	0.011	0.07	<0.1	0.03	31.6	<0.1	<0.05	18	1.0	<0.2
STD OREAS45CA	Standard	713	0.13	161	0.132	<20	3.81	0.012	0.07	<0.1	0.03	39.4	<0.1	<0.05	18	0.6	<0.2
STD OREAS45CA	Standard	719	0.14	161	0.113	<20	3.69	0.012	0.07	<0.1	0.02	36.0	<0.1	<0.05	18	0.5	<0.2
STD OREAS45CA	Standard	725	0.14	167	0.131	<20	3.96	0.013	0.08	<0.1	0.03	40.8	<0.1	<0.05	19	1.5	<0.2
STD OREAS45CA	Standard	657	0.17	167	0.132	<20	4.02	0.015	0.07	<0.1	0.04	38.9	<0.1	<0.05	18	1.5	<0.2
STD OREAS45CA	Standard	725	0.14	166	0.129	<20	3.38	0.011	0.07	<0.1	0.03	37.8	<0.1	<0.05	17	0.9	<0.2
STD OREAS45CA	Standard	603	0.16	158	0.133	<20	3.62	0.013	0.07	<0.1	0.03	39.9	<0.1	<0.05	18	0.9	<0.2
STD DS8 Expected		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

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QUALITY CONTROL REPORT VAN11004931.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD OREAS45CA Expected		1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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
		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
STD OREAS45CA Expected		709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank	<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	<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	<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	<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	<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	<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	<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

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Submitted By: Stephen Wetherup
Receiving Lab: Canada-Vancouver
Received: September 12, 2011
Report Date: October 06, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN11004670.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 199

SAMPLE DISPOSAL

RTRN-PLP Return
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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	199	Dry at 60C			VAN
SS80	199	Dry at 60C sieve 100g to -80 mesh			VAN
1DX1	199	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Caracle Creek Int'l Consulting (ON)
25 Frood Road
Sudbury ON P3C 4Y9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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: None Given
Report Date: October 06, 2011

CERTIFICATE OF ANALYSIS VAN11004670.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356901	Soil	2.1	149.7	9.8	152	1.1	69.9	24.0	873	5.04	30.2	2.5	2.1	75	1.3	2.5	0.2	87	1.30	0.050	10
1356902	Soil	1.5	127.9	5.1	36	0.8	27.2	7.0	367	1.29	6.7	4.3	0.3	169	0.8	4.0	0.1	25	3.96	0.117	7
1356903	Soil	1.4	90.8	2.1	14	0.6	17.9	1.7	176	0.33	2.7	2.0	<0.1	185	1.0	4.2	<0.1	12	4.57	0.079	4
1356904	Soil	1.4	79.7	2.0	40	0.6	13.5	1.9	86	0.51	5.0	1.4	0.1	190	0.9	1.9	<0.1	9	4.34	0.083	2
1356905	Soil	2.0	83.9	7.6	101	0.5	38.3	18.3	776	3.41	27.1	2.5	1.4	41	0.7	3.9	0.1	70	0.84	0.073	10
1356906	Soil	2.1	108.5	10.8	223	0.9	60.4	24.1	621	4.32	24.8	1.4	1.7	43	0.9	1.3	0.2	76	0.63	0.112	10
1356907	Soil	1.6	14.7	6.4	98	<0.1	14.8	11.3	391	2.67	9.6	0.8	0.8	22	0.5	0.8	0.1	68	0.48	0.051	5
1356908	Soil	1.6	24.0	5.5	100	0.2	20.8	10.1	943	2.33	11.6	1.3	1.2	16	0.5	0.9	<0.1	52	0.30	0.056	7
1356909	Soil	1.9	59.7	6.9	174	0.4	43.0	15.2	675	3.41	12.3	<0.5	1.7	25	0.4	1.1	0.1	70	0.50	0.067	8
1356910	Soil	2.7	64.0	8.0	122	0.6	50.1	15.4	973	3.73	20.4	1.9	2.0	44	1.0	1.6	0.1	68	0.78	0.054	9
1356911	Soil	2.0	28.3	5.4	81	0.1	20.5	9.1	550	2.31	14.3	3.8	1.0	27	0.7	1.3	<0.1	51	0.56	0.064	7
1356912	Soil	2.5	35.9	5.3	73	<0.1	27.0	10.4	375	2.82	16.3	2.0	1.7	16	0.2	1.1	<0.1	55	0.30	0.047	8
1356913	Soil	2.9	149.0	10.2	111	0.9	55.1	19.9	1044	4.22	33.4	4.0	2.3	54	0.7	2.5	0.1	80	1.15	0.052	16
1356914	Soil	1.7	57.6	6.4	74	0.2	35.7	15.4	871	3.10	14.7	3.7	2.5	23	0.4	1.2	0.1	60	0.47	0.049	10
1356915	Soil	2.3	33.7	7.0	122	0.2	32.4	15.2	545	3.30	12.2	<0.5	1.7	23	0.4	0.9	0.1	68	0.39	0.101	6
1356916	Soil	3.5	82.4	8.5	96	0.3	53.2	20.6	659	4.17	24.9	3.0	2.8	34	0.4	1.2	0.1	73	0.63	0.040	12
1356917	Soil	1.8	21.5	5.2	117	0.2	20.5	10.7	319	3.16	12.9	0.9	1.3	14	0.4	1.3	<0.1	62	0.32	0.088	6
1356918	Soil	2.3	46.2	6.8	93	0.1	30.2	14.1	737	2.99	16.6	2.8	1.5	26	0.4	1.2	<0.1	58	0.51	0.042	8
1356919	Soil	3.2	71.6	8.2	109	1.2	48.1	19.6	1140	3.98	23.6	2.8	2.1	41	1.0	2.5	0.1	66	0.82	0.058	11
1356920	Soil	3.4	40.2	7.2	95	0.2	33.1	11.2	364	3.02	17.7	0.9	1.9	13	0.3	1.2	0.1	61	0.22	0.048	9
1356921	Soil	2.6	38.1	5.2	69	0.3	28.3	11.8	417	2.68	14.0	1.5	1.3	21	0.2	1.2	<0.1	53	0.43	0.036	7
1356922	Soil	9.1	738.0	12.5	174	3.4	143.1	30.3	5832	5.28	81.0	13.9	2.1	123	3.1	4.4	0.2	62	2.59	0.109	154
1356923	Soil	3.6	91.2	8.9	136	0.8	46.3	19.1	1057	3.92	27.7	1.5	2.6	40	0.9	1.3	0.1	62	0.75	0.033	15
1356924	Soil	3.2	91.5	8.7	109	1.1	48.5	20.2	1020	3.78	21.1	2.4	2.3	43	0.8	1.4	0.1	65	0.80	0.036	18
1356925	Soil	1.5	17.5	5.7	97	0.2	17.2	7.3	216	2.48	10.8	<0.5	0.9	19	0.5	0.4	0.1	59	0.35	0.102	6
1356926	Soil	2.5	43.3	7.3	78	0.7	34.4	14.8	654	3.03	15.4	1.0	1.9	36	0.5	0.9	<0.1	58	0.71	0.026	9
1356927	Soil	1.9	28.0	7.2	90	0.2	21.4	9.8	223	3.37	15.4	0.8	1.3	24	0.3	0.7	0.1	72	0.46	0.134	7
1356928	Soil	3.0	68.8	8.8	137	0.6	40.4	16.1	1280	3.73	11.4	0.7	1.8	61	1.0	1.5	0.2	67	1.31	0.043	14
1356929	Soil	3.0	38.8	8.1	94	0.4	31.8	10.9	288	3.10	15.9	1.4	1.4	35	0.5	1.1	0.1	64	0.70	0.060	8
1356930	Soil	1.9	41.3	6.6	96	0.6	28.6	14.6	657	2.98	12.7	2.4	1.6	35	0.5	1.2	<0.1	59	0.82	0.058	8

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Project: None Given
Report Date: October 06, 2011

CERTIFICATE OF ANALYSIS VAN11004670.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356901	Soil	99	0.97	228	0.088	<20	3.26	0.016	0.18	<0.1	0.06	9.1	<0.1	<0.05	8	1.4	<0.2
1356902	Soil	46	0.35	97	0.015	<20	0.95	0.010	0.05	<0.1	0.22	1.3	<0.1	0.21	3	6.6	<0.2
1356903	Soil	14	0.16	60	0.004	<20	0.25	0.012	0.02	<0.1	0.15	0.3	<0.1	0.21	<1	5.8	<0.2
1356904	Soil	15	0.16	65	0.007	<20	0.35	0.008	0.03	<0.1	0.17	0.6	<0.1	0.21	<1	3.3	<0.2
1356905	Soil	57	0.74	106	0.073	<20	2.01	0.007	0.08	0.1	0.08	5.4	<0.1	<0.05	5	0.7	<0.2
1356906	Soil	77	0.54	188	0.063	<20	3.14	0.010	0.11	<0.1	0.11	5.9	0.1	<0.05	6	0.7	<0.2
1356907	Soil	35	0.45	48	0.074	<20	1.36	0.006	0.06	<0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
1356908	Soil	46	0.47	132	0.059	<20	1.27	0.006	0.06	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
1356909	Soil	66	0.75	134	0.069	<20	2.26	0.008	0.10	<0.1	0.04	4.7	0.1	<0.05	6	<0.5	<0.2
1356910	Soil	79	0.82	186	0.069	<20	2.19	0.008	0.14	<0.1	0.07	5.5	0.1	<0.05	6	0.7	<0.2
1356911	Soil	35	0.57	82	0.058	<20	1.15	0.006	0.08	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1356912	Soil	48	0.74	58	0.069	<20	1.53	0.006	0.07	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
1356913	Soil	73	0.85	227	0.076	<20	2.69	0.010	0.12	0.1	0.14	8.1	0.1	<0.05	7	1.0	<0.2
1356914	Soil	60	0.78	109	0.071	<20	1.85	0.008	0.09	<0.1	0.05	5.1	<0.1	<0.05	5	<0.5	<0.2
1356915	Soil	58	0.59	105	0.046	<20	2.06	0.007	0.07	<0.1	0.04	3.4	0.1	<0.05	6	<0.5	<0.2
1356916	Soil	90	1.01	135	0.084	<20	2.38	0.009	0.14	<0.1	0.07	6.3	0.1	<0.05	6	0.7	<0.2
1356917	Soil	42	0.60	56	0.063	<20	1.51	0.006	0.06	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1356918	Soil	51	0.70	92	0.059	<20	1.67	0.006	0.09	<0.1	0.05	3.5	<0.1	<0.05	4	<0.5	<0.2
1356919	Soil	70	0.85	145	0.040	<20	2.27	0.008	0.11	<0.1	0.09	5.9	0.1	<0.05	6	0.8	<0.2
1356920	Soil	56	0.73	77	0.043	<20	1.81	0.006	0.06	<0.1	0.02	3.0	0.1	<0.05	5	0.6	<0.2
1356921	Soil	51	0.64	79	0.048	<20	1.54	0.006	0.06	<0.1	0.05	3.3	<0.1	<0.05	5	0.5	<0.2
1356922	Soil	109	0.60	296	0.037	<20	3.36	0.020	0.14	0.2	0.76	19.7	0.3	<0.05	7	3.5	<0.2
1356923	Soil	74	0.78	144	0.062	<20	2.27	0.010	0.12	<0.1	0.09	6.8	0.1	<0.05	6	0.6	<0.2
1356924	Soil	80	0.80	131	0.074	<20	2.19	0.010	0.12	<0.1	0.10	5.7	0.1	<0.05	5	0.6	<0.2
1356925	Soil	47	0.47	66	0.041	<20	1.47	0.006	0.06	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
1356926	Soil	56	0.67	92	0.058	<20	1.74	0.008	0.08	<0.1	0.04	3.8	0.1	<0.05	5	0.8	<0.2
1356927	Soil	42	0.44	91	0.045	<20	1.98	0.007	0.07	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1356928	Soil	56	0.60	155	0.056	<20	2.53	0.011	0.10	<0.1	0.08	5.3	0.1	<0.05	7	0.8	<0.2
1356929	Soil	51	0.51	88	0.022	<20	1.75	0.007	0.06	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1356930	Soil	51	0.70	73	0.064	<20	1.76	0.008	0.07	<0.1	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN11004670.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356931	Soil		1.6	49.9	6.5	82	0.4	32.2	18.7	803	3.31	14.2	1.8	1.7	32	0.5	1.0	<0.1	78	0.88	0.048	9
1356932	Soil		1.4	54.1	6.2	74	0.2	34.2	17.1	599	3.39	17.7	1.2	2.2	32	0.5	1.1	0.1	79	0.72	0.052	8
1356933	Soil		1.7	73.3	5.9	89	0.6	34.0	15.0	781	2.88	16.4	1.4	0.7	70	0.8	1.1	<0.1	62	1.62	0.056	8
1356934	Soil		1.6	41.0	5.7	82	0.3	25.8	14.5	613	2.75	12.5	1.6	1.1	39	0.6	1.2	<0.1	62	0.87	0.045	7
1356935	Soil		0.9	20.0	4.8	65	0.3	13.7	9.0	517	1.73	5.8	3.5	1.0	28	0.5	0.5	<0.1	47	0.59	0.051	7
1356936	Soil		1.7	15.1	5.9	76	0.2	10.3	6.4	605	1.77	6.9	0.7	0.7	29	0.7	0.7	<0.1	46	0.59	0.071	5
1356937	Soil		1.7	36.4	5.9	71	0.1	28.0	12.9	381	2.99	11.7	0.7	2.0	19	0.4	0.9	0.1	74	0.43	0.027	10
1356938	Soil		1.3	38.0	5.7	62	0.2	26.2	12.8	406	2.94	13.0	0.9	1.7	32	0.5	1.0	0.1	75	0.74	0.033	8
1356939	Soil		2.3	134.2	10.6	169	1.7	62.2	24.0	1720	5.15	25.4	3.4	2.5	72	1.5	1.3	0.2	102	1.34	0.065	15
1356940	Soil		2.7	107.8	3.7	22	1.5	24.9	8.4	1142	1.72	14.5	3.0	0.2	176	1.0	1.9	<0.1	44	3.88	0.115	7
1356941	Soil		1.0	38.3	5.7	90	0.3	29.8	14.5	423	3.01	8.6	5.7	1.6	35	0.9	0.4	<0.1	76	0.79	0.026	8
1356942	Soil		2.6	108.7	7.4	111	0.9	59.2	16.7	606	3.94	22.4	3.1	1.3	109	0.8	1.3	0.2	76	2.00	0.092	13
1356943	Soil		2.6	110.8	5.9	63	1.1	39.2	12.9	660	2.38	12.5	2.5	0.6	150	1.3	1.4	0.1	46	2.71	0.099	14
1356944	Soil		1.3	18.2	5.3	100	0.2	15.0	6.4	185	2.27	7.4	1.6	1.0	47	0.7	0.5	0.1	63	1.00	0.027	6
1356945	Soil		3.3	94.6	11.5	115	0.9	50.9	17.5	525	3.31	25.7	6.6	1.3	62	1.9	1.5	0.2	69	1.12	0.063	12
1356946	Soil		1.6	45.8	3.0	30	1.0	16.3	3.7	351	0.76	4.6	4.0	0.2	185	1.0	3.0	<0.1	10	3.49	0.106	11
1356947	Soil		3.8	76.6	7.0	113	0.7	44.1	25.3	943	4.62	52.4	4.0	1.0	38	0.6	1.5	0.1	97	0.79	0.067	15
1356948	Soil		4.2	184.6	10.5	124	1.8	79.6	20.3	1926	4.07	26.2	3.7	1.9	86	1.8	3.4	0.2	67	1.67	0.055	20
1356949	Soil		3.0	84.0	9.0	116	0.8	44.4	20.4	1175	3.70	20.3	11.6	2.1	47	1.5	2.1	0.1	66	0.94	0.055	13
1356950	Soil		2.0	48.1	6.2	100	0.3	29.4	15.8	461	3.30	13.1	1.6	2.1	28	0.6	1.1	<0.1	67	0.55	0.039	9
1356951	Soil		0.6	39.6	4.7	57	<0.1	185.2	26.2	434	3.91	4.4	2.7	1.6	52	0.3	<0.1	<0.1	93	0.90	0.061	6
1356952	Soil		0.6	25.9	5.6	82	0.1	101.0	18.9	460	3.48	5.0	1.1	1.9	47	0.3	0.1	0.1	87	0.64	0.116	7
1356953	Soil		0.5	26.9	4.6	90	0.2	103.8	18.1	318	3.36	3.5	0.8	2.0	26	0.2	<0.1	<0.1	80	0.43	0.107	7
1356954	Soil		0.3	32.4	3.8	67	0.1	98.4	17.5	582	3.13	3.7	250.2	1.2	38	0.2	0.1	<0.1	82	0.72	0.146	6
1356955	Soil		0.6	77.5	5.0	31	0.4	93.8	14.0	1138	2.47	7.6	4.1	0.5	110	0.3	0.2	<0.1	82	2.13	0.101	10
1356956	Soil		0.3	30.7	5.1	131	0.3	126.9	21.7	727	3.86	3.3	<0.5	0.9	40	0.2	<0.1	<0.1	100	0.59	0.267	4
1356957	Soil		0.4	54.2	3.3	44	0.2	291.1	31.0	833	3.61	3.9	1.2	0.7	71	0.2	0.1	<0.1	85	1.54	0.046	5
1356958	Soil		0.4	31.8	3.9	95	0.2	254.0	30.5	377	4.17	3.5	1.7	1.0	37	0.2	<0.1	<0.1	96	0.87	0.183	4
1356959	Soil		0.5	34.0	3.5	67	0.1	206.2	26.6	433	3.75	3.1	1.4	1.1	39	0.2	<0.1	<0.1	96	0.86	0.061	5
1356960	Soil		0.4	44.2	4.8	70	0.2	184.4	24.6	631	3.91	3.2	0.7	1.5	44	0.2	<0.1	<0.1	95	1.04	0.028	7

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN11004670.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356931	Soil	54	0.89	87	0.094	<20	1.93	0.008	0.08	<0.1	0.05	5.3	<0.1	<0.05	6	<0.5	<0.2
1356932	Soil	59	0.82	93	0.091	<20	2.02	0.008	0.08	<0.1	0.05	5.0	<0.1	<0.05	6	0.6	<0.2
1356933	Soil	49	0.68	111	0.053	<20	1.75	0.009	0.10	<0.1	0.10	4.2	<0.1	<0.05	5	1.2	<0.2
1356934	Soil	44	0.67	72	0.071	<20	1.60	0.011	0.09	<0.1	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
1356935	Soil	29	0.41	74	0.060	<20	1.11	0.006	0.06	<0.1	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
1356936	Soil	24	0.36	115	0.053	<20	0.95	0.006	0.06	<0.1	0.06	1.7	<0.1	<0.05	4	<0.5	<0.2
1356937	Soil	54	0.70	69	0.085	<20	2.01	0.006	0.07	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
1356938	Soil	50	0.77	72	0.081	<20	1.89	0.009	0.08	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
1356939	Soil	96	1.02	227	0.090	<20	3.52	0.015	0.19	<0.1	0.11	10.0	0.1	<0.05	9	0.9	<0.2
1356940	Soil	25	0.27	91	0.010	<20	0.71	0.010	0.05	<0.1	0.27	1.2	<0.1	0.24	2	2.8	<0.2
1356941	Soil	64	0.84	75	0.092	<20	2.01	0.013	0.06	<0.1	0.03	5.0	<0.1	<0.05	6	0.6	<0.2
1356942	Soil	83	1.00	202	0.052	<20	3.10	0.012	0.19	<0.1	0.13	7.8	0.1	0.07	8	1.5	<0.2
1356943	Soil	48	0.57	140	0.031	<20	1.77	0.013	0.10	<0.1	0.17	3.5	<0.1	0.13	4	1.8	<0.2
1356944	Soil	36	0.41	56	0.068	<20	1.33	0.008	0.04	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
1356945	Soil	70	0.83	155	0.024	<20	2.18	0.009	0.10	<0.1	0.10	5.3	0.1	<0.05	6	1.4	<0.2
1356946	Soil	14	0.21	90	0.007	<20	0.70	0.010	0.03	<0.1	0.21	1.6	<0.1	0.22	1	2.8	<0.2
1356947	Soil	70	1.07	140	0.081	<20	3.31	0.010	0.12	0.1	0.09	7.3	<0.1	<0.05	8	0.9	<0.2
1356948	Soil	96	0.70	196	0.057	<20	2.50	0.013	0.15	<0.1	0.19	6.3	0.2	<0.05	6	1.8	<0.2
1356949	Soil	64	0.76	149	0.072	<20	2.12	0.009	0.13	<0.1	0.07	5.4	0.1	<0.05	5	0.9	<0.2
1356950	Soil	47	0.71	92	0.076	<20	2.01	0.007	0.10	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
1356951	Soil	128	2.19	52	0.090	<20	2.41	0.012	0.06	<0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
1356952	Soil	94	1.18	88	0.087	<20	1.99	0.011	0.07	<0.1	0.03	2.6	<0.1	<0.05	8	<0.5	<0.2
1356953	Soil	81	1.22	70	0.073	<20	2.40	0.010	0.09	<0.1	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
1356954	Soil	99	1.31	88	0.085	<20	2.13	0.017	0.06	<0.1	0.04	2.5	<0.1	<0.05	6	<0.5	<0.2
1356955	Soil	69	1.26	108	0.040	<20	2.32	0.032	0.06	<0.1	0.20	5.4	<0.1	0.12	5	1.1	<0.2
1356956	Soil	114	1.59	149	0.135	<20	2.77	0.012	0.07	<0.1	0.03	3.5	<0.1	<0.05	10	<0.5	<0.2
1356957	Soil	128	3.81	66	0.076	<20	2.84	0.020	0.04	<0.1	0.06	4.2	<0.1	<0.05	6	0.6	<0.2
1356958	Soil	136	2.48	59	0.094	<20	3.26	0.010	0.07	<0.1	0.03	2.7	<0.1	<0.05	8	<0.5	<0.2
1356959	Soil	126	2.48	65	0.096	<20	2.65	0.013	0.05	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
1356960	Soil	125	2.28	63	0.098	<20	2.95	0.021	0.06	<0.1	0.03	4.7	<0.1	<0.05	7	<0.5	<0.2

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356961	Soil	0.4	22.4	4.3	85	0.2	169.3	24.8	899	3.32	2.3	<0.5	1.2	47	0.3	<0.1	<0.1	72	1.03	0.197	4
1356962	Soil	0.5	37.2	4.3	107	0.1	219.0	34.3	1738	4.15	2.8	0.8	0.8	33	0.3	<0.1	<0.1	93	0.67	0.116	4
1356963	Soil	0.4	12.2	5.5	72	0.1	38.8	10.0	684	2.07	2.1	27.4	1.1	29	0.2	<0.1	0.2	61	0.41	0.141	5
1356964	Soil	0.3	28.8	3.7	71	<0.1	204.9	26.3	617	3.73	2.3	1.1	1.4	30	0.1	<0.1	<0.1	89	0.80	0.077	5
1356965	Soil	0.4	24.5	5.4	75	0.1	118.1	19.7	400	3.60	4.5	1.4	1.7	34	0.2	0.1	0.1	82	0.60	0.268	5
1356966	Soil	0.5	44.8	5.5	64	<0.1	91.3	18.8	516	3.93	6.3	1.6	2.3	63	0.1	0.2	<0.1	111	0.73	0.063	8
1356967	Soil	0.3	13.3	6.1	72	0.1	35.8	10.0	659	2.46	2.7	<0.5	1.8	22	0.2	0.1	0.1	64	0.48	0.077	9
1356968	Soil	0.4	22.7	6.2	88	0.2	106.9	18.6	414	3.37	4.0	<0.5	2.4	37	0.2	0.1	<0.1	70	0.71	0.133	9
1356969	Soil	0.4	27.0	5.0	85	0.1	131.7	22.1	476	3.81	4.2	1.3	1.3	35	0.2	<0.1	<0.1	95	0.51	0.214	5
1356970	Soil	0.7	26.8	6.3	93	0.1	94.6	19.7	333	4.18	4.4	<0.5	2.6	35	0.2	<0.1	0.1	99	0.40	0.029	9
1356971	Soil	0.5	21.2	6.1	90	0.1	39.6	13.6	286	3.29	3.3	<0.5	3.2	24	0.2	0.1	0.1	62	0.32	0.071	11
1356972	Soil	0.5	20.0	6.3	94	0.1	37.8	13.5	311	3.18	3.3	<0.5	3.3	23	0.1	0.1	0.1	62	0.33	0.071	12
1356973	Soil	0.3	88.7	3.0	64	<0.1	96.3	21.9	591	4.07	4.3	0.5	1.1	61	0.1	0.1	<0.1	107	0.79	0.117	4
1356974	Soil	0.5	15.8	7.4	83	0.1	32.2	12.0	744	2.90	3.4	0.9	3.0	25	0.2	0.1	0.2	55	0.30	0.118	12
1356975	Soil	0.8	75.8	8.4	83	0.2	56.1	18.4	702	3.96	12.6	15.2	2.4	57	0.3	0.3	0.2	106	0.82	0.093	10
1356976	Soil	0.8	21.5	8.2	98	<0.1	25.2	15.0	824	3.79	6.3	<0.5	1.8	34	0.4	0.2	0.2	104	0.41	0.196	7
1356977	Soil	0.5	20.3	5.8	61	<0.1	22.8	11.6	252	2.70	4.7	<0.5	1.7	28	0.1	0.1	<0.1	78	0.42	0.074	7
1356978	Soil	0.5	23.4	5.8	92	<0.1	28.2	13.5	299	2.77	5.2	<0.5	2.0	33	0.3	0.2	0.1	72	0.48	0.144	7
1356979	Soil	0.7	50.5	5.7	75	0.2	33.2	14.4	376	3.64	6.8	0.8	2.2	57	0.2	0.2	<0.1	99	0.62	0.140	9
1356980	Soil	0.7	52.0	6.1	71	<0.1	36.0	14.9	435	3.64	7.7	1.0	2.3	65	0.2	0.3	<0.1	102	0.56	0.072	8
1356981	Soil	0.5	17.4	5.2	96	0.3	20.6	10.5	552	2.62	4.1	<0.5	1.4	55	0.9	0.1	<0.1	82	0.48	0.075	7
1356982	Soil	1.5	62.7	5.9	89	0.1	42.0	16.4	550	4.04	12.3	0.7	1.8	108	0.4	0.4	<0.1	136	0.78	0.066	7
1356983	Soil	1.1	43.5	6.3	102	<0.1	41.5	16.1	485	3.71	16.4	<0.5	1.9	46	0.5	0.3	<0.1	105	0.44	0.073	7
1356984	Soil	0.6	76.9	5.8	128	<0.1	193.9	37.2	775	5.95	3.6	<0.5	0.7	171	0.3	0.1	<0.1	132	0.77	0.156	2
1356985	Soil	0.9	54.8	12.1	113	0.3	26.1	15.3	1120	4.53	2.8	13.0	1.5	68	0.5	0.1	<0.1	140	1.06	0.190	5
1356986	Soil	0.6	21.9	7.4	136	0.3	25.8	14.0	764	3.16	7.5	0.8	2.2	41	0.4	0.2	0.2	75	0.50	0.194	6
1356987	Soil	0.4	8.9	5.6	119	0.2	18.5	9.1	457	2.46	2.5	<0.5	2.2	18	0.2	<0.1	0.1	46	0.19	0.120	9
1356988	Soil	0.5	8.5	6.2	53	0.1	14.0	6.4	212	2.27	2.2	<0.5	1.8	23	0.2	0.1	0.1	70	0.16	0.038	8
1356989	Soil	1.5	54.7	10.0	122	0.6	43.9	24.5	2508	4.50	31.2	0.8	2.3	70	0.7	0.3	0.2	97	0.76	0.083	10
1356990	Soil	1.4	119.5	19.0	108	0.4	49.3	23.9	1164	4.56	56.3	6.0	2.6	112	0.4	1.0	0.2	95	1.12	0.102	11

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356961	Soil	138	1.74	96	0.084	<20	2.21	0.010	0.14	<0.1	0.03	2.5	<0.1	<0.05	7	<0.5	<0.2
1356962	Soil	156	2.97	76	0.099	<20	2.79	0.013	0.06	<0.1	0.04	3.0	<0.1	<0.05	8	<0.5	<0.2
1356963	Soil	80	0.43	114	0.082	<20	1.06	0.012	0.06	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1356964	Soil	131	2.39	48	0.101	<20	2.58	0.013	0.08	<0.1	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
1356965	Soil	93	1.26	73	0.093	<20	2.39	0.008	0.09	<0.1	0.03	3.0	<0.1	<0.05	8	<0.5	<0.2
1356966	Soil	86	1.43	91	0.144	<20	2.45	0.011	0.08	<0.1	0.05	4.8	<0.1	<0.05	7	<0.5	<0.2
1356967	Soil	76	0.56	87	0.088	<20	1.10	0.010	0.08	<0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
1356968	Soil	85	1.38	81	0.076	<20	2.35	0.010	0.11	<0.1	0.04	2.8	<0.1	<0.05	7	<0.5	<0.2
1356969	Soil	113	1.68	80	0.101	<20	2.60	0.012	0.08	<0.1	0.03	4.0	<0.1	<0.05	9	<0.5	<0.2
1356970	Soil	77	1.32	91	0.091	<20	2.59	0.011	0.08	<0.1	0.03	3.0	<0.1	<0.05	8	<0.5	<0.2
1356971	Soil	43	0.79	72	0.068	<20	2.12	0.008	0.11	<0.1	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
1356972	Soil	41	0.77	76	0.075	<20	2.07	0.009	0.11	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
1356973	Soil	124	2.08	60	0.137	<20	2.38	0.011	0.06	<0.1	0.02	4.5	<0.1	<0.05	8	<0.5	<0.2
1356974	Soil	50	0.69	86	0.077	<20	1.78	0.009	0.13	<0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
1356975	Soil	65	1.13	81	0.117	<20	2.56	0.015	0.12	<0.1	0.10	6.4	<0.1	<0.05	7	<0.5	<0.2
1356976	Soil	42	0.53	112	0.091	<20	2.01	0.009	0.08	<0.1	0.04	3.7	<0.1	<0.05	8	<0.5	<0.2
1356977	Soil	30	0.55	65	0.083	<20	2.01	0.011	0.05	<0.1	0.01	3.2	<0.1	<0.05	7	<0.5	<0.2
1356978	Soil	34	0.61	56	0.096	<20	1.95	0.009	0.08	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1356979	Soil	42	0.74	78	0.120	<20	2.48	0.010	0.11	<0.1	0.04	4.9	<0.1	<0.05	8	0.7	<0.2
1356980	Soil	42	0.83	84	0.129	<20	2.47	0.011	0.09	<0.1	0.05	4.9	<0.1	<0.05	7	0.5	<0.2
1356981	Soil	29	0.46	67	0.135	<20	1.49	0.010	0.06	<0.1	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
1356982	Soil	60	0.96	77	0.175	<20	2.64	0.010	0.10	<0.1	0.09	7.2	0.1	<0.05	8	0.5	<0.2
1356983	Soil	50	0.85	73	0.118	<20	2.37	0.011	0.08	<0.1	0.04	4.4	0.1	<0.05	7	<0.5	<0.2
1356984	Soil	189	3.17	99	0.160	<20	4.52	0.012	0.06	<0.1	0.02	2.3	<0.1	<0.05	12	<0.5	<0.2
1356985	Soil	37	0.70	84	0.144	<20	3.24	0.012	0.06	<0.1	0.06	6.0	<0.1	<0.05	11	<0.5	<0.2
1356986	Soil	36	0.50	119	0.068	<20	1.88	0.009	0.10	<0.1	0.05	2.8	<0.1	<0.05	7	<0.5	<0.2
1356987	Soil	28	0.40	66	0.058	<20	1.26	0.008	0.07	<0.1	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
1356988	Soil	28	0.29	29	0.078	<20	0.84	0.008	0.06	<0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1356989	Soil	44	0.72	143	0.089	<20	2.71	0.012	0.14	<0.1	0.07	5.0	<0.1	<0.05	8	0.6	<0.2
1356990	Soil	43	0.98	123	0.081	<20	2.75	0.016	0.16	<0.1	0.11	7.2	0.1	<0.05	7	1.1	<0.2

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Project: None Given
Report Date: October 06, 2011

CERTIFICATE OF ANALYSIS VAN11004670.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356991	Soil		0.6	13.2	5.1	59	0.2	10.7	8.0	685	1.46	11.7	42.1	1.1	28	0.2	0.5	<0.1	32	0.36	0.044	6
1356992	Soil		0.3	6.6	3.1	33	0.1	7.3	4.1	151	1.06	4.1	0.8	1.3	17	<0.1	0.3	<0.1	28	0.20	0.031	8
1356993	Soil		0.5	35.2	5.4	58	<0.1	29.9	10.2	201	3.20	6.1	0.6	3.9	19	<0.1	0.2	<0.1	58	0.18	0.128	14
1356994	Soil		0.4	26.5	5.5	78	<0.1	30.9	10.7	259	2.90	5.3	<0.5	5.0	20	<0.1	0.2	0.1	38	0.17	0.124	17
1356995	Soil		0.6	12.9	5.7	60	0.1	14.0	8.6	248	2.03	22.3	9.9	2.6	15	<0.1	0.2	<0.1	31	0.14	0.049	11
1356996	Soil		0.5	16.1	6.1	49	<0.1	24.9	10.2	202	2.75	13.0	<0.5	4.6	15	<0.1	0.2	0.1	34	0.15	0.134	14
1356997	Soil		0.8	41.9	6.6	60	0.2	26.0	10.7	654	2.77	22.6	40.4	3.3	33	0.1	0.5	0.1	44	0.31	0.052	14
1356998	Soil		0.4	12.9	4.2	48	<0.1	17.4	6.8	226	1.79	9.8	74.5	3.8	14	<0.1	0.2	<0.1	28	0.13	0.049	14
1356999	Soil		0.3	19.3	5.7	74	0.3	17.5	7.9	174	2.32	9.8	<0.5	3.2	22	<0.1	0.1	0.1	36	0.19	0.126	13
1357000	Soil		0.8	12.4	5.0	89	0.3	15.0	8.4	406	2.28	28.9	5.6	1.5	29	0.1	0.6	0.1	47	0.38	0.098	6
1357001	Soil		1.1	30.8	5.1	57	<0.1	23.5	9.2	156	2.72	57.8	8.6	2.8	13	0.1	0.9	0.1	45	0.13	0.041	10
1357002	Soil		0.6	19.1	6.4	106	0.2	22.3	12.1	779	2.53	21.8	2.5	1.7	25	0.3	0.4	0.1	55	0.31	0.119	7
1357003	Soil		2.1	58.8	6.0	91	0.1	26.3	13.1	253	3.19	55.0	23.0	1.9	18	0.1	1.5	0.1	59	0.21	0.047	8
1357004	Soil		0.9	29.6	5.1	149	0.2	46.9	14.5	308	3.66	19.2	2.4	1.8	20	0.2	0.4	<0.1	78	0.22	0.130	5
1357005	Soil		10.8	74.5	23.1	214	0.7	47.7	17.1	2622	3.55	22.8	1.9	1.9	16	1.9	1.2	0.3	41	0.20	0.099	11
1357006	Soil		1.9	18.8	12.5	69	0.2	10.3	7.6	441	1.94	6.2	5.4	0.8	11	0.4	0.3	0.3	44	0.21	0.046	18
1357007	Soil		0.8	33.9	10.5	76	0.4	7.7	6.8	1421	1.32	2.9	<0.5	0.5	24	1.2	0.2	0.1	22	0.36	0.047	14
1357008	Soil		38.1	105.3	33.1	120	0.4	49.8	24.1	2673	3.99	42.1	12.4	2.1	11	1.2	9.4	0.3	22	0.20	0.065	13
1357009	Soil		7.0	57.3	11.5	145	0.8	39.1	16.7	1374	3.36	18.5	2.0	1.2	24	1.7	1.5	0.2	62	0.36	0.060	9
1357010	Soil		15.9	67.5	24.9	257	0.7	47.8	15.6	608	5.47	95.5	5.5	2.7	36	1.9	4.1	0.2	77	0.16	0.187	9
1357011	Soil		8.3	76.8	9.0	363	0.3	59.0	33.0	1057	6.69	61.8	1.1	1.9	19	4.0	2.9	0.2	70	0.30	0.088	6
1357012	Soil		3.6	46.0	7.4	237	0.3	22.2	19.6	681	3.57	22.5	1.1	0.6	12	1.7	2.0	0.2	80	0.14	0.046	6
1357013	Soil		14.7	413.9	28.1	319	4.3	192.9	30.6	4067	6.24	46.6	11.1	2.9	48	8.0	4.5	0.4	61	0.93	0.099	72
1357014	Soil		4.1	25.6	7.5	76	0.1	10.0	6.6	179	3.06	34.3	0.8	1.0	15	0.5	2.0	0.2	70	0.18	0.032	5
1357015	Soil		7.7	19.7	6.3	59	0.4	17.7	7.0	135	2.73	9.3	1.1	0.7	9	0.5	0.9	0.1	73	0.12	0.037	3
1357016	Soil		4.7	61.3	8.8	116	0.2	29.8	18.0	302	4.80	38.2	1.3	1.0	8	0.3	2.8	0.1	68	0.14	0.094	4
1357017	Soil		1.6	37.1	8.2	164	0.4	17.3	21.2	709	3.44	10.8	0.7	1.1	14	0.4	1.5	0.2	72	0.37	0.070	5
1357018	Soil		2.5	27.9	5.7	86	0.2	12.5	8.9	814	2.57	14.9	1.0	0.7	12	0.3	1.3	0.1	56	0.27	0.057	5
1357019	Soil		5.0	49.1	7.7	97	0.2	38.9	13.8	598	3.24	25.0	11.1	2.2	11	0.3	1.7	0.1	59	0.18	0.049	10
1357020	Soil		4.1	16.3	8.6	155	0.5	12.4	9.7	6769	1.97	8.4	<0.5	0.4	30	1.8	0.7	0.2	51	0.57	0.075	5

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356991	Soil	17	0.30	82	0.028	<20	0.77	0.007	0.07	<0.1	0.07	1.6	<0.1	<0.05	3	<0.5	<0.2
1356992	Soil	18	0.19	39	0.030	<20	0.60	0.006	0.05	<0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1356993	Soil	38	0.68	58	0.061	<20	1.92	0.008	0.06	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
1356994	Soil	34	0.60	64	0.041	<20	1.74	0.007	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1356995	Soil	18	0.30	42	0.030	<20	0.93	0.006	0.06	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1356996	Soil	25	0.42	45	0.033	<20	1.33	0.006	0.06	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1356997	Soil	29	0.53	74	0.046	<20	1.49	0.008	0.09	<0.1	0.05	3.4	<0.1	<0.05	5	<0.5	<0.2
1356998	Soil	23	0.37	35	0.030	<20	0.96	0.005	0.06	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1356999	Soil	22	0.35	53	0.027	<20	1.46	0.006	0.07	<0.1	0.04	1.9	<0.1	<0.05	6	<0.5	<0.2
1357000	Soil	26	0.35	47	0.027	<20	1.16	0.006	0.08	<0.1	0.06	1.8	<0.1	0.05	5	<0.5	<0.2
1357001	Soil	26	0.38	33	0.032	<20	1.17	0.007	0.06	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
1357002	Soil	32	0.44	73	0.056	<20	1.39	0.010	0.07	<0.1	0.04	2.3	<0.1	<0.05	6	<0.5	<0.2
1357003	Soil	32	0.53	67	0.011	<20	1.57	0.006	0.06	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
1357004	Soil	57	0.68	91	0.041	<20	2.14	0.007	0.06	<0.1	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2
1357005	Soil	17	0.38	181	0.005	<20	1.39	0.013	0.11	<0.1	0.10	2.5	0.3	0.06	4	2.0	<0.2
1357006	Soil	18	0.20	88	0.010	<20	0.97	0.005	0.04	<0.1	0.03	1.2	<0.1	0.05	6	<0.5	<0.2
1357007	Soil	3	0.16	223	0.006	<20	1.32	0.007	0.04	<0.1	0.05	1.5	0.1	<0.05	5	<0.5	<0.2
1357008	Soil	12	0.36	94	0.002	<20	0.86	0.004	0.05	<0.1	0.25	2.3	0.8	0.06	2	1.9	0.2
1357009	Soil	46	0.45	192	0.025	<20	1.83	0.007	0.06	<0.1	0.06	3.2	0.2	0.05	6	0.7	<0.2
1357010	Soil	46	0.48	227	0.014	<20	1.86	0.009	0.09	<0.1	0.07	3.4	0.4	0.10	6	3.0	<0.2
1357011	Soil	70	0.64	98	0.032	<20	2.41	0.007	0.05	0.1	0.06	4.1	0.1	0.06	6	1.1	<0.2
1357012	Soil	19	0.43	92	0.013	<20	1.45	0.005	0.08	<0.1	0.04	3.1	<0.1	<0.05	6	<0.5	<0.2
1357013	Soil	62	0.49	258	0.026	<20	2.84	0.010	0.10	<0.1	0.49	12.1	0.4	0.05	6	3.4	<0.2
1357014	Soil	12	0.19	100	0.030	<20	1.04	0.005	0.05	<0.1	0.03	1.8	<0.1	0.06	5	<0.5	<0.2
1357015	Soil	20	0.25	60	0.040	<20	1.27	0.005	0.05	<0.1	0.04	2.7	<0.1	0.07	5	<0.5	<0.2
1357016	Soil	25	0.34	107	0.010	<20	1.85	0.005	0.08	<0.1	0.04	3.5	<0.1	<0.05	5	0.7	<0.2
1357017	Soil	19	0.59	137	0.044	<20	2.16	0.006	0.07	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
1357018	Soil	25	0.43	112	0.037	<20	1.46	0.008	0.06	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
1357019	Soil	38	0.82	78	0.059	<20	1.48	0.005	0.07	<0.1	0.05	3.5	0.1	<0.05	5	0.7	<0.2
1357020	Soil	23	0.19	193	0.024	<20	1.15	0.008	0.05	<0.1	0.07	2.1	0.2	<0.05	5	0.6	<0.2

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1357021	Soil	1.8	11.5	5.9	78	0.1	11.9	8.3	579	1.90	14.4	1.5	0.9	14	0.3	0.6	0.1	46	0.23	0.045	6
1357022	Soil	1.3	14.7	5.5	98	0.1	13.3	6.2	398	1.94	12.1	1.1	0.8	11	0.4	0.6	0.1	42	0.19	0.105	5
1357023	Soil	2.5	31.3	5.4	108	0.6	25.2	9.7	443	2.71	16.7	4.3	1.3	12	0.4	1.2	<0.1	50	0.23	0.079	6
1357024	Soil	4.3	61.7	6.9	94	0.2	33.1	11.6	428	3.63	28.1	3.8	1.4	12	0.4	2.7	<0.1	58	0.25	0.126	4
1357025	Soil	2.2	21.6	6.8	105	0.4	25.7	8.2	752	2.10	10.1	<0.5	1.4	19	0.5	0.8	<0.1	43	0.33	0.030	8
1357026	Soil	2.3	25.2	6.6	95	0.2	21.7	8.8	262	2.56	13.7	1.1	1.4	12	0.4	1.0	0.1	50	0.21	0.059	6
1357027	Soil	3.3	34.8	6.2	69	<0.1	24.7	8.7	427	2.51	21.0	2.0	1.6	17	0.2	1.9	<0.1	48	0.29	0.035	8
1357028	Soil	2.5	34.5	6.5	332	0.2	22.1	10.7	393	2.98	20.4	1.3	1.4	10	0.7	1.5	0.1	42	0.17	0.069	6
1357029	Soil	4.8	35.6	8.4	78	0.2	29.6	8.3	237	2.62	24.0	1.2	2.0	13	0.3	1.2	0.1	52	0.19	0.031	10
1357030	Soil	0.9	47.1	5.1	80	0.4	18.3	14.9	584	2.57	12.2	<0.5	0.9	21	0.5	0.4	0.1	61	0.36	0.082	4
1357031	Soil	1.8	61.7	9.3	201	0.8	21.5	21.9	1248	4.09	20.0	0.9	1.1	16	0.6	0.8	0.2	67	0.23	0.096	7
1357032	Soil	1.4	61.2	4.5	93	0.3	5.1	9.6	525	3.24	25.2	1.2	0.7	8	0.4	0.6	<0.1	40	0.14	0.056	5
1357033	Soil	2.1	46.3	8.3	166	0.4	15.3	17.6	868	3.39	27.0	5.8	1.3	13	0.8	0.9	0.2	59	0.25	0.060	8
1357034	Soil	27.1	37.5	9.7	104	0.3	22.0	6.7	446	2.84	27.2	11.4	1.5	9	0.6	3.8	0.2	47	0.16	0.069	8
1357035	Soil	5.7	97.4	12.8	118	0.8	52.8	23.0	1322	3.96	43.3	5.4	2.1	30	0.9	2.9	0.1	62	0.51	0.071	12
1357036	Soil	1.8	22.3	4.9	54	0.2	18.5	7.0	288	2.32	13.1	0.5	1.0	13	0.3	1.2	<0.1	55	0.28	0.075	5
1357037	Soil	1.8	30.0	4.8	68	0.1	22.0	7.9	315	2.55	15.2	1.4	1.3	10	0.2	1.0	<0.1	53	0.20	0.085	6
1357038	Soil	1.3	8.9	4.3	63	0.1	9.8	4.8	272	1.55	6.0	0.7	0.8	10	0.3	0.4	<0.1	41	0.19	0.055	6
1357039	Soil	2.2	40.6	6.3	100	0.5	23.8	11.5	641	3.34	24.8	0.9	0.6	46	1.2	3.7	0.1	63	0.77	0.085	5
1357040	Soil	4.6	37.3	7.0	103	0.2	29.0	9.0	921	2.37	23.0	2.8	1.1	15	0.5	1.2	0.1	41	0.28	0.040	8
1357041	Soil	2.1	23.2	5.7	93	0.2	22.7	8.8	372	2.74	10.6	0.9	1.5	13	0.3	0.5	<0.1	56	0.25	0.112	7
1357042	Soil	1.0	5.1	3.3	19	<0.1	6.0	1.7	64	0.62	2.9	<0.5	0.9	8	0.2	0.3	<0.1	27	0.16	0.015	6
1357043	Soil	0.9	69.2	8.1	200	0.7	17.0	12.8	275	2.79	14.8	1.7	1.3	9	0.3	0.4	0.1	65	0.11	0.052	7
1357044	Soil	14.0	171.3	17.0	253	1.4	54.7	22.4	595	9.46	25.8	8.1	1.9	12	0.9	3.0	0.1	170	0.23	0.267	4
1357045	Soil	0.9	18.0	4.8	109	<0.1	20.2	10.6	568	2.25	6.0	1.5	1.3	17	0.3	0.6	<0.1	58	0.42	0.049	6
1357046	Soil	1.0	25.9	5.0	116	0.1	25.9	12.3	426	2.63	7.7	4.7	1.4	17	0.3	0.6	<0.1	61	0.40	0.064	6
1357047	Soil	3.9	40.9	4.9	83	<0.1	25.7	11.0	296	2.95	10.4	4.7	1.7	13	0.2	1.8	<0.1	66	0.28	0.039	8
1357048	Soil	1.7	16.7	5.3	94	0.2	19.8	10.0	782	2.05	8.7	1.8	1.1	15	0.4	0.5	<0.1	50	0.32	0.045	7
1357049	Soil	1.3	31.4	5.1	90	<0.1	21.8	11.1	493	2.75	11.0	2.0	1.2	14	0.5	1.2	<0.1	64	0.39	0.128	5
1357050	Soil	0.9	22.8	5.4	96	<0.1	18.0	10.6	684	2.29	7.1	8.1	1.1	15	0.5	0.7	0.1	61	0.47	0.051	6

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN11004670.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1357021	Soil	25	0.36	115	0.029	<20	1.10	0.006	0.08	<0.1	0.02	1.7	0.1	0.05	4	<0.5	<0.2
1357022	Soil	34	0.36	81	0.034	<20	1.08	0.006	0.05	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1357023	Soil	46	0.69	74	0.031	<20	1.56	0.006	0.06	<0.1	0.04	2.6	<0.1	<0.05	5	0.7	<0.2
1357024	Soil	56	0.88	64	0.037	<20	1.78	0.005	0.05	<0.1	0.04	3.4	0.1	<0.05	4	0.5	<0.2
1357025	Soil	32	0.45	84	0.032	<20	1.29	0.007	0.05	<0.1	0.04	2.2	<0.1	<0.05	4	0.5	<0.2
1357026	Soil	28	0.49	54	0.033	<20	1.39	0.006	0.06	<0.1	0.02	2.4	<0.1	<0.05	4	0.5	<0.2
1357027	Soil	36	0.59	77	0.053	<20	1.14	0.006	0.07	<0.1	0.01	2.5	<0.1	<0.05	4	0.6	<0.2
1357028	Soil	20	0.51	69	0.015	<20	1.63	0.006	0.07	<0.1	0.02	2.4	<0.1	<0.05	6	0.8	<0.2
1357029	Soil	37	0.39	59	0.020	<20	1.25	0.005	0.04	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1357030	Soil	33	0.73	96	0.077	<20	1.99	0.008	0.07	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
1357031	Soil	26	0.56	145	0.033	<20	2.09	0.005	0.07	<0.1	0.06	3.1	0.1	<0.05	7	<0.5	<0.2
1357032	Soil	7	0.21	70	0.007	<20	1.04	0.005	0.07	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1357033	Soil	19	0.63	133	0.016	<20	1.66	0.008	0.05	<0.1	0.03	3.5	0.1	<0.05	6	1.2	<0.2
1357034	Soil	21	0.31	86	0.017	<20	0.96	0.006	0.05	<0.1	0.04	1.7	0.5	<0.05	4	1.5	<0.2
1357035	Soil	60	0.89	139	0.050	<20	2.04	0.009	0.11	0.1	0.11	5.8	0.2	<0.05	5	1.5	<0.2
1357036	Soil	43	0.56	74	0.046	<20	1.23	0.005	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	0.6	<0.2
1357037	Soil	43	0.64	84	0.041	<20	1.54	0.006	0.05	<0.1	0.03	2.5	<0.1	<0.05	5	0.5	<0.2
1357038	Soil	25	0.30	62	0.035	<20	0.99	0.006	0.04	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1357039	Soil	48	0.54	185	0.035	<20	1.58	0.008	0.06	<0.1	0.06	2.7	<0.1	0.06	5	0.7	<0.2
1357040	Soil	34	0.46	149	0.023	<20	1.08	0.006	0.05	<0.1	0.05	2.1	<0.1	<0.05	3	0.6	<0.2
1357041	Soil	45	0.62	101	0.043	<20	1.63	0.006	0.06	<0.1	0.03	2.8	<0.1	<0.05	5	0.6	<0.2
1357042	Soil	16	0.16	23	0.054	<20	0.54	0.006	0.03	<0.1	0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
1357043	Soil	28	0.46	121	0.014	<20	2.59	0.007	0.07	<0.1	0.03	3.4	0.1	<0.05	8	<0.5	<0.2
1357044	Soil	65	0.48	74	0.109	<20	2.17	0.006	0.05	0.2	0.12	7.5	<0.1	<0.05	7	2.0	0.4
1357045	Soil	37	0.57	102	0.077	<20	1.72	0.007	0.06	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
1357046	Soil	42	0.66	93	0.072	<20	1.99	0.007	0.07	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
1357047	Soil	43	0.70	51	0.064	<20	1.78	0.009	0.06	<0.1	0.02	3.7	<0.1	<0.05	5	0.6	<0.2
1357048	Soil	33	0.47	86	0.047	<20	1.24	0.006	0.05	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1357049	Soil	37	0.61	75	0.060	<20	1.64	0.006	0.06	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1357050	Soil	36	0.58	81	0.077	<20	1.38	0.006	0.06	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1358401	Soil		2.4	28.9	6.7	114	0.9	36.8	8.4	353	1.91	5.8	3.2	2.0	22	0.9	0.6	0.1	40	0.42	0.038	12
1358402	Soil		0.5	34.4	5.1	32	0.2	29.6	11.0	1237	3.65	0.7	1.9	0.3	23	0.3	0.3	<0.1	91	0.27	0.036	1
1358403	Soil		0.5	6.8	5.4	102	0.5	42.3	10.9	412	1.50	2.4	1.6	1.3	15	0.4	<0.1	0.1	27	0.18	0.073	6
1358404	Soil		0.5	93.9	3.7	72	0.2	135.4	24.9	557	4.19	43.8	<0.5	1.0	28	0.4	0.1	<0.1	77	0.58	0.162	3
1358405	Soil		0.7	16.8	5.5	113	0.4	58.8	18.7	619	1.98	5.4	5.3	0.9	14	0.5	<0.1	0.1	39	0.15	0.081	4
1358406	Soil		1.7	17.2	6.3	69	0.2	34.6	8.3	340	1.91	7.8	1.0	1.2	11	0.3	0.3	0.1	40	0.11	0.077	6
1358407	Soil		3.0	31.5	9.5	102	0.4	41.8	10.0	214	3.35	8.5	14.8	3.2	7	0.2	0.3	0.2	43	0.08	0.068	8
1358408	Soil		0.7	4.8	5.1	37	0.1	12.3	2.9	92	1.04	2.4	8.1	1.7	8	0.1	0.1	0.1	28	0.10	0.016	8
1358409	Soil		0.6	13.4	3.9	22	0.2	5.6	2.7	69	1.27	1.2	1.5	1.0	7	<0.1	<0.1	0.1	41	0.06	0.052	6
1358410	Soil		1.1	38.8	6.0	107	0.1	29.2	11.7	339	2.38	2.5	5.0	2.4	10	0.1	0.1	0.2	41	0.11	0.113	8
1358412	Soil		0.9	115.7	5.1	60	0.2	33.5	18.1	208	3.46	1.9	1.9	1.6	19	<0.1	0.1	0.2	84	0.20	0.110	5
1358413	Soil		0.4	48.3	4.0	44	0.1	34.0	17.5	311	3.19	0.5	1.8	0.7	24	<0.1	0.2	<0.1	101	0.25	0.040	3
1358414	Soil		0.6	63.3	2.3	62	0.1	65.1	24.4	450	3.73	2.3	1.4	0.9	39	0.1	0.1	<0.1	112	0.55	0.094	3
1358415	Soil		0.8	10.5	3.9	42	<0.1	17.6	5.0	175	1.13	1.1	2.1	2.1	6	<0.1	<0.1	0.1	21	0.07	0.042	8
1358416	Soil		0.9	134.1	4.8	129	0.2	52.3	19.7	725	4.78	2.3	8.6	1.4	9	<0.1	<0.1	0.4	92	0.15	0.064	5
1358417	Soil		1.5	24.0	5.5	102	0.3	29.4	10.0	164	2.23	2.8	1.0	2.5	8	0.2	<0.1	0.1	34	0.10	0.100	8
1358418	Soil		0.2	9.8	3.5	55	0.3	191.5	24.6	489	3.12	<0.5	862.8	0.3	30	<0.1	<0.1	<0.1	97	0.46	0.044	2
1358419	Soil		0.2	95.4	2.3	42	<0.1	41.7	22.8	485	2.47	<0.5	0.9	0.6	50	<0.1	0.1	<0.1	73	0.49	0.023	3
1358420	Soil		0.6	4.9	4.8	10	0.1	3.5	1.6	50	0.43	0.6	1.2	0.3	15	0.1	0.1	<0.1	19	0.10	0.018	6
1358421	Soil		0.1	8.1	1.7	28	0.2	168.0	13.3	194	1.35	<0.5	0.7	0.4	11	<0.1	<0.1	<0.1	31	0.18	0.020	2
1358422	Soil		0.3	31.6	3.9	60	0.1	13.7	13.0	287	1.95	1.1	0.6	0.9	35	0.1	<0.1	<0.1	49	0.25	0.101	3
1358423	Soil		0.2	3.3	3.3	12	<0.1	2.5	3.2	163	0.49	<0.5	<0.5	0.2	27	<0.1	<0.1	<0.1	21	0.17	0.009	2
1358424	Soil		0.3	23.3	6.6	63	0.4	12.3	10.1	991	2.11	1.0	2.1	1.1	48	0.2	<0.1	0.1	49	0.40	0.090	4
1358425	Soil		0.4	18.5	5.2	37	0.1	4.9	6.2	722	0.98	<0.5	<0.5	0.4	32	0.1	<0.1	<0.1	24	0.24	0.021	3
1358426	Soil		1.0	64.5	5.0	55	0.3	21.9	10.9	203	2.35	2.2	1.6	1.5	25	<0.1	0.1	0.1	50	0.17	0.119	4
1358427	Soil		0.2	36.1	1.1	50	0.3	70.0	27.5	576	2.97	<0.5	<0.5	0.8	34	<0.1	<0.1	<0.1	82	0.61	0.099	2
1358428	Soil		0.7	14.5	4.1	24	0.1	8.6	4.1	118	1.11	0.7	1.6	1.1	21	<0.1	<0.1	0.1	39	0.14	0.023	5
1358429	Soil		0.8	171.4	7.8	59	0.4	22.0	16.3	367	2.50	1.9	0.6	1.0	42	0.3	0.1	0.2	55	0.37	0.053	4
1358430	Soil		0.8	255.9	10.7	54	0.5	14.7	84.1	1891	4.66	2.0	5.1	0.2	70	0.5	0.2	0.2	48	0.52	0.158	4
1358431	Soil		0.5	25.6	5.6	38	0.1	10.5	5.3	117	1.49	1.0	1.6	0.6	26	0.1	0.1	0.1	43	0.16	0.077	3

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Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		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
MDL		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
1358401	Soil	33	0.48	70	0.057	<20	1.31	0.011	0.08	0.1	0.06	2.6	0.1	<0.05	4	1.1	<0.2
1358402	Soil	107	0.70	120	0.190	<20	0.78	0.011	0.21	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1358403	Soil	104	0.75	128	0.089	<20	1.05	0.006	0.07	<0.1	0.02	1.1	<0.1	<0.05	6	<0.5	<0.2
1358404	Soil	258	2.26	105	0.114	<20	2.70	0.006	0.13	<0.1	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
1358405	Soil	116	0.96	69	0.077	<20	1.31	0.006	0.06	<0.1	0.02	1.2	<0.1	<0.05	6	<0.5	<0.2
1358406	Soil	66	0.62	84	0.066	<20	1.05	0.005	0.05	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1358407	Soil	55	0.53	98	0.055	<20	1.79	0.006	0.07	0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1358408	Soil	26	0.33	69	0.039	<20	0.63	0.004	0.04	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1358409	Soil	15	0.29	35	0.045	<20	0.57	0.005	0.04	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
1358410	Soil	48	0.62	130	0.050	<20	1.47	0.005	0.08	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
1358412	Soil	72	0.98	110	0.115	<20	1.69	0.010	0.07	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
1358413	Soil	88	1.29	133	0.129	<20	1.62	0.008	0.05	<0.1	0.01	3.9	<0.1	<0.05	8	<0.5	<0.2
1358414	Soil	156	2.02	89	0.184	<20	2.05	0.022	0.14	0.1	0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
1358415	Soil	26	0.36	51	0.042	<20	0.68	0.005	0.06	<0.1	<0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
1358416	Soil	278	1.86	129	0.065	<20	2.36	0.005	0.06	<0.1	0.02	7.0	<0.1	<0.05	9	<0.5	<0.2
1358417	Soil	38	0.53	130	0.050	<20	1.48	0.006	0.09	<0.1	0.02	1.8	0.1	<0.05	4	0.6	<0.2
1358418	Soil	464	2.91	75	0.089	<20	2.29	0.007	0.03	<0.1	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
1358419	Soil	109	1.31	129	0.233	<20	1.78	0.007	0.08	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
1358420	Soil	12	0.06	48	0.015	<20	0.29	0.006	0.02	<0.1	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
1358421	Soil	297	1.45	41	0.074	<20	1.14	0.009	0.02	<0.1	0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
1358422	Soil	33	0.58	113	0.090	<20	1.25	0.005	0.05	<0.1	<0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
1358423	Soil	9	0.11	22	0.074	<20	0.26	0.008	0.03	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
1358424	Soil	41	0.50	245	0.086	<20	1.15	0.008	0.06	<0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
1358425	Soil	11	0.23	182	0.031	<20	0.70	0.011	0.06	<0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
1358426	Soil	53	0.69	83	0.076	<20	1.25	0.007	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1358427	Soil	166	2.44	80	0.196	<20	2.22	0.007	0.09	<0.1	<0.01	1.4	<0.1	<0.05	7	<0.5	<0.2
1358428	Soil	24	0.30	65	0.084	<20	0.61	0.006	0.04	<0.1	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
1358429	Soil	39	0.75	172	0.077	<20	1.38	0.007	0.08	<0.1	0.04	2.3	<0.1	<0.05	6	<0.5	<0.2
1358430	Soil	17	0.48	167	0.028	<20	1.17	0.005	0.04	<0.1	0.12	1.3	<0.1	0.07	4	3.4	<0.2
1358431	Soil	33	0.39	77	0.063	<20	0.88	0.007	0.04	<0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1358432	Soil	0.2	4.8	3.7	20	<0.1	5.0	3.3	202	0.69	<0.5	<0.5	0.8	32	<0.1	<0.1	<0.1	32	0.23	0.013	4
1358433	Soil	0.4	13.2	5.2	29	<0.1	10.1	5.9	180	1.24	1.0	7.4	1.3	44	<0.1	<0.1	0.1	37	0.22	0.052	6
1358434	Soil	0.5	32.4	4.9	32	<0.1	19.2	9.2	203	1.91	1.1	2.2	1.4	31	<0.1	<0.1	0.1	55	0.16	0.037	6
1358435	Soil	0.7	25.0	7.8	135	0.3	46.7	18.1	645	2.91	3.1	<0.5	1.8	24	0.4	0.1	0.2	60	0.21	0.217	6
1358436	Soil	1.5	72.4	14.6	101	0.5	32.0	14.5	2105	2.21	3.8	3.1	2.3	81	0.9	0.1	0.2	34	0.98	0.065	12
1358437	Soil	2.5	64.8	11.9	92	0.3	31.0	21.3	2074	2.91	6.5	1.3	2.9	49	0.6	0.1	0.3	44	0.47	0.093	13
1358438	Soil	11.3	52.2	13.9	415	0.6	67.7	16.9	755	3.24	3.0	<0.5	4.2	21	2.7	0.1	0.2	42	0.32	0.103	21
1358439	Soil	2.8	13.4	16.8	43	0.4	11.9	5.2	216	2.70	3.9	0.6	1.1	10	0.2	<0.1	0.5	49	0.09	0.073	9
1358440	Soil	2.2	13.7	12.4	41	2.0	10.0	4.3	258	1.77	1.7	2.2	0.4	9	0.3	0.1	0.3	37	0.08	0.054	7
1358441	Soil	1.6	7.7	6.3	23	0.1	7.5	2.7	103	0.99	4.5	1.2	0.6	8	0.1	<0.1	0.3	33	0.06	0.030	11
1358442	Soil	7.1	59.2	16.7	209	1.0	53.1	14.8	735	3.21	18.3	8.2	1.1	28	1.8	0.4	0.3	34	0.30	0.136	16
1358443	Soil	10.2	46.6	27.8	201	1.0	35.3	20.9	2251	3.90	19.3	2.0	0.6	34	1.6	0.8	0.3	32	0.39	0.146	14
1358444	Soil	19.0	132.0	51.7	375	1.4	109.0	50.1	3357	6.31	70.2	30.0	4.0	21	2.9	1.5	0.3	32	0.18	0.179	16
1358445	Soil	8.8	60.6	21.2	249	1.6	62.8	27.4	1353	4.48	33.7	83.6	1.2	35	4.1	0.4	0.3	38	0.57	0.116	13
1358446	Soil	19.8	92.9	25.7	404	1.7	125.7	27.7	2374	4.91	68.9	0.9	2.1	38	10.7	0.5	0.3	29	0.65	0.150	20
1358447	Soil	10.9	51.3	18.4	258	2.7	52.8	12.3	539	4.19	36.5	4.2	1.9	16	1.5	0.5	0.3	41	0.17	0.118	16
1358448	Soil	7.3	51.3	14.6	132	1.3	38.5	13.6	565	3.76	37.6	1.9	1.4	14	0.9	0.3	0.2	57	0.21	0.056	13
1358449	Soil	7.9	50.0	15.4	129	1.1	33.8	14.6	470	3.97	38.1	2.0	1.8	12	0.8	0.3	0.3	68	0.16	0.046	15
1358450	Soil	1.2	23.3	14.9	49	0.2	26.5	12.9	168	3.06	0.8	1.2	2.6	8	0.1	<0.1	0.3	77	0.09	0.022	6

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN11004670.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1358432	Soil	17	0.22	45	0.104	<20	0.50	0.006	0.04	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1358433	Soil	28	0.36	107	0.082	<20	0.77	0.006	0.06	<0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
1358434	Soil	45	0.64	97	0.073	<20	1.22	0.004	0.06	<0.1	<0.01	2.9	0.1	<0.05	6	<0.5	<0.2
1358435	Soil	128	1.00	213	0.095	<20	1.72	0.007	0.10	<0.1	0.02	2.3	0.1	<0.05	7	<0.5	<0.2
1358436	Soil	37	0.60	164	0.051	<20	1.08	0.010	0.17	<0.1	0.05	2.5	0.1	<0.05	3	1.3	<0.2
1358437	Soil	48	0.68	136	0.065	<20	1.47	0.010	0.20	<0.1	0.03	2.9	0.2	<0.05	5	1.0	<0.2
1358438	Soil	37	0.76	83	0.036	<20	1.35	0.009	0.15	<0.1	0.03	3.0	0.1	<0.05	4	2.0	<0.2
1358439	Soil	26	0.30	36	0.052	<20	0.99	0.005	0.04	<0.1	0.06	1.4	<0.1	<0.05	8	1.1	<0.2
1358440	Soil	22	0.28	31	0.035	<20	1.16	0.004	0.03	<0.1	0.08	1.0	0.1	<0.05	5	<0.5	<0.2
1358441	Soil	23	0.18	27	0.025	<20	0.55	0.005	0.03	<0.1	0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
1358442	Soil	31	0.47	72	0.038	<20	1.41	0.007	0.09	<0.1	0.08	1.7	0.1	<0.05	4	1.5	<0.2
1358443	Soil	21	0.23	70	0.025	<20	0.89	0.005	0.06	<0.1	0.05	0.8	0.1	0.07	4	2.4	<0.2
1358444	Soil	33	0.39	69	0.026	<20	1.68	0.004	0.08	0.1	0.14	2.0	0.1	0.06	4	3.1	<0.2
1358445	Soil	37	0.45	63	0.028	<20	1.48	0.005	0.06	<0.1	0.09	1.7	<0.1	0.08	5	1.8	<0.2
1358446	Soil	22	0.29	79	0.015	<20	1.10	0.005	0.06	<0.1	0.13	2.0	0.1	0.10	3	2.6	<0.2
1358447	Soil	38	0.57	57	0.024	<20	1.44	0.005	0.08	<0.1	0.13	1.5	0.1	0.07	4	2.4	<0.2
1358448	Soil	36	0.37	61	0.018	<20	1.24	0.003	0.05	<0.1	0.09	2.1	0.1	0.06	5	1.6	<0.2
1358449	Soil	42	0.36	54	0.021	<20	1.54	0.005	0.05	<0.1	0.08	2.6	0.1	0.05	6	2.2	<0.2
1358450	Soil	93	1.44	66	0.119	<20	1.81	0.002	0.04	0.1	0.02	2.6	<0.1	<0.05	8	<0.5	<0.2

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QUALITY CONTROL REPORT VAN11004670.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1356912	Soil	2.5	35.9	5.3	73	<0.1	27.0	10.4	375	2.82	16.3	2.0	1.7	16	0.2	1.1	<0.1	55	0.30	0.047	8
REP 1356912	QC	2.4	36.9	5.5	75	<0.1	27.8	10.6	372	2.85	16.8	1.9	1.8	17	0.2	1.0	<0.1	56	0.30	0.048	9
1356964	Soil	0.3	28.8	3.7	71	<0.1	204.9	26.3	617	3.73	2.3	1.1	1.4	30	0.1	<0.1	<0.1	89	0.80	0.077	5
REP 1356964	QC	0.4	28.6	3.7	69	<0.1	202.0	25.9	608	3.57	2.4	<0.5	1.5	29	0.2	<0.1	<0.1	87	0.79	0.078	5
1356996	Soil	0.5	16.1	6.1	49	<0.1	24.9	10.2	202	2.75	13.0	<0.5	4.6	15	<0.1	0.2	0.1	34	0.15	0.134	14
REP 1356996	QC	0.5	15.6	6.1	47	<0.1	24.4	10.1	198	2.67	12.5	1.7	4.6	14	0.1	0.2	0.1	32	0.15	0.131	14
1357022	Soil	1.3	14.7	5.5	98	0.1	13.3	6.2	398	1.94	12.1	1.1	0.8	11	0.4	0.6	0.1	42	0.19	0.105	5
REP 1357022	QC	1.3	14.4	5.3	95	0.1	12.7	6.0	369	1.84	11.1	<0.5	0.8	10	0.3	0.6	<0.1	41	0.19	0.098	6
1358412	Soil	0.9	115.7	5.1	60	0.2	33.5	18.1	208	3.46	1.9	1.9	1.6	19	<0.1	0.1	0.2	84	0.20	0.110	5
REP 1358412	QC	1.0	117.7	5.0	62	0.2	33.7	17.7	210	3.51	1.9	1.2	1.6	18	<0.1	0.2	0.2	84	0.19	0.111	5
1358435	Soil	0.7	25.0	7.8	135	0.3	46.7	18.1	645	2.91	3.1	<0.5	1.8	24	0.4	0.1	0.2	60	0.21	0.217	6
REP 1358435	QC	0.6	26.2	7.9	137	0.3	48.0	18.4	652	2.88	3.1	0.7	1.7	23	0.3	0.1	0.2	59	0.20	0.218	5
Reference Materials																					
STD DS8	Standard	14.5	114.3	125.3	331	1.8	40.8	8.2	636	2.57	26.9	104.2	6.3	66	2.6	4.5	6.1	44	0.72	0.084	15
STD DS8	Standard	14.2	104.2	122.7	313	1.8	37.5	7.4	597	2.42	27.0	98.5	6.1	60	2.5	4.7	6.1	41	0.68	0.081	14
STD DS8	Standard	12.3	106.8	112.2	298	1.8	35.8	7.3	564	2.30	24.8	98.5	5.5	63	2.3	4.8	6.1	40	0.64	0.077	13
STD DS8	Standard	12.6	108.0	110.0	297	1.6	35.9	7.2	570	2.30	23.9	101.3	5.5	59	2.3	5.0	5.8	40	0.67	0.071	13
STD DS8	Standard	13.6	105.2	113.4	294	1.6	37.1	7.3	569	2.32	26.4	92.5	5.8	61	2.2	4.7	5.7	40	0.66	0.072	14
STD DS8	Standard	14.2	119.9	125.1	325	1.7	41.1	8.3	652	2.53	27.0	136.8	7.2	76	2.4	5.4	7.4	47	0.73	0.081	17
STD OREAS45CA	Standard	0.8	501.0	17.4	60	0.3	240.3	86.6	902	15.81	3.7	42.0	6.4	14	<0.1	<0.1	0.1	195	0.41	0.037	15
STD OREAS45CA	Standard	0.8	534.5	19.6	76	0.3	247.7	96.0	976	17.67	4.4	44.8	6.9	15	<0.1	<0.1	0.2	215	0.45	0.040	17
STD OREAS45CA	Standard	1.0	445.4	17.7	59	0.2	213.7	81.2	826	14.66	3.6	41.5	5.9	14	0.1	0.2	0.2	187	0.40	0.034	14
STD OREAS45CA	Standard	0.9	475.4	17.6	58	0.3	219.2	82.4	858	15.17	4.2	40.1	5.8	14	<0.1	0.2	0.2	189	0.40	0.034	14
STD OREAS45CA	Standard	1.1	469.4	18.1	58	0.3	219.6	82.6	865	15.29	3.4	43.5	5.9	14	<0.1	0.2	0.2	184	0.39	0.034	15
STD OREAS45CA	Standard	0.9	570.7	22.2	69	0.3	271.0	97.9	970	17.25	3.5	43.2	7.3	16	<0.1	<0.1	0.2	218	0.43	0.039	17
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	0.08	14.6
STD OREAS45CA Expected		1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
Pulp Duplicates																	
1356912	Soil	48	0.74	58	0.069	<20	1.53	0.006	0.07	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
REP 1356912	QC	50	0.78	60	0.068	<20	1.55	0.006	0.07	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
1356964	Soil	131	2.39	48	0.101	<20	2.58	0.013	0.08	<0.1	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
REP 1356964	QC	126	2.36	48	0.105	<20	2.58	0.013	0.08	<0.1	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
1356996	Soil	25	0.42	45	0.033	<20	1.33	0.006	0.06	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
REP 1356996	QC	25	0.41	46	0.035	<20	1.26	0.006	0.06	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1357022	Soil	34	0.36	81	0.034	<20	1.08	0.006	0.05	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
REP 1357022	QC	33	0.35	80	0.034	<20	1.05	0.005	0.05	<0.1	0.03	1.9	<0.1	<0.05	4	0.5	<0.2
1358412	Soil	72	0.98	110	0.115	<20	1.69	0.010	0.07	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
REP 1358412	QC	71	1.00	112	0.108	<20	1.77	0.008	0.07	<0.1	0.03	2.8	<0.1	<0.05	7	<0.5	<0.2
1358435	Soil	128	1.00	213	0.095	<20	1.72	0.007	0.10	<0.1	0.02	2.3	0.1	<0.05	7	<0.5	<0.2
REP 1358435	QC	127	1.00	211	0.087	<20	1.70	0.007	0.10	0.4	0.02	2.3	0.1	<0.05	7	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	124	0.63	305	0.107	<20	0.95	0.102	0.44	1.9	0.19	2.5	5.7	0.16	5	5.1	5.2
STD DS8	Standard	116	0.59	285	0.101	<20	0.88	0.088	0.42	2.3	0.19	2.2	5.4	0.14	5	5.2	4.8
STD DS8	Standard	110	0.58	284	0.109	<20	0.89	0.083	0.39	2.5	0.17	2.0	5.1	0.17	4	5.3	4.2
STD DS8	Standard	108	0.57	275	0.110	<20	0.84	0.082	0.39	2.5	0.19	2.0	5.1	0.19	4	4.6	4.7
STD DS8	Standard	109	0.57	274	0.107	<20	0.85	0.082	0.39	2.3	0.18	2.1	5.2	0.14	4	4.7	4.5
STD DS8	Standard	128	0.61	304	0.123	<20	0.94	0.096	0.43	2.3	0.19	2.4	5.5	0.17	5	4.4	5.4
STD OREAS45CA	Standard	722	0.13	160	0.108	<20	3.68	0.012	0.07	<0.1	0.03	36.2	<0.1	<0.05	18	0.7	<0.2
STD OREAS45CA	Standard	773	0.15	172	0.115	<20	3.94	0.013	0.08	<0.1	0.03	38.1	<0.1	<0.05	20	0.6	<0.2
STD OREAS45CA	Standard	653	0.14	151	0.120	<20	3.22	0.012	0.06	<0.1	0.03	37.0	<0.1	<0.05	16	0.7	<0.2
STD OREAS45CA	Standard	650	0.13	152	0.118	<20	3.12	0.013	0.06	<0.1	0.02	35.9	<0.1	<0.05	17	0.6	<0.2
STD OREAS45CA	Standard	653	0.14	154	0.109	<20	3.25	0.012	0.07	<0.1	0.02	36.1	<0.1	<0.05	17	<0.5	<0.2
STD OREAS45CA	Standard	793	0.16	172	0.144	<20	3.94	0.013	0.08	<0.1	0.03	39.8	<0.1	0.05	19	0.9	<0.2
STD DS8 Expected		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		709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank	<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

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Project: None Given
Report Date: October 06, 2011

QUALITY CONTROL REPORT VAN11004670.1

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

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
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Project: None Given
Report Date: October 06, 2011

QUALITY CONTROL REPORT VAN11004670.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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
		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	<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	<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	<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	<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	<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

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Submitted By: Stephen Wetherup
Receiving Lab: Canada-Vancouver
Received: September 12, 2011
Report Date: November 20, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN11004669.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 200

SAMPLE DISPOSAL

RTRN-PLP Return
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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	200	Dry at 60C			VAN
SS80	200	Dry at 60C sieve 100g to -80 mesh			VAN
1DX1	200	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Caracle Creek Int'l Consulting (ON)
25 Frood Road
Sudbury ON P3C 4Y9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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: None Given
Report Date: November 20, 2011

CERTIFICATE OF ANALYSIS VAN11004669.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356401	Soil	7.4	63.2	6.2	48	1.2	40.4	7.5	8159	1.69	2.9	4.9	0.6	109	1.2	0.5	0.2	27	1.51	0.077	25
1356402	Soil	1.1	11.2	4.9	55	0.2	18.7	6.4	268	1.55	2.0	<0.5	1.9	30	0.2	0.3	0.1	35	0.33	0.026	12
1356403	Soil	1.6	15.3	6.9	101	0.3	22.9	7.8	199	2.37	3.2	1.1	3.0	21	0.3	0.4	0.1	48	0.19	0.046	10
1356404	Soil	1.5	16.6	9.3	78	0.3	17.3	5.0	190	1.74	4.3	1.4	2.1	28	0.6	0.3	0.2	50	0.26	0.024	12
1356405	Soil	0.8	9.0	5.0	48	0.6	7.8	4.7	617	1.16	2.0	<0.5	0.9	12	0.3	0.1	0.1	34	0.11	0.027	8
1356406	Soil	1.3	46.6	5.1	47	0.1	30.2	10.4	328	1.78	5.6	2.5	4.5	38	0.2	0.6	0.1	34	0.40	0.067	17
1356407	Soil	1.3	40.2	7.2	191	0.3	38.7	15.8	265	3.15	6.3	1.5	3.2	27	0.6	0.4	0.2	56	0.29	0.137	11
1356408	Soil	1.0	29.8	7.8	181	0.7	25.9	12.5	281	2.85	6.9	12.7	2.3	22	0.4	0.3	0.1	63	0.27	0.193	9
1356409	Soil	2.0	45.1	10.8	154	0.3	37.5	14.7	596	3.32	9.3	3.2	2.5	23	0.8	0.5	0.2	65	0.25	0.168	9
1356410	Soil	0.9	17.4	8.1	130	0.2	17.6	8.6	605	1.98	4.3	0.7	2.2	21	0.5	0.2	0.1	49	0.22	0.083	9
1356411	Soil	0.7	8.1	5.6	63	<0.1	8.4	4.1	149	1.11	2.9	1.9	1.7	17	0.4	0.3	0.1	39	0.18	0.041	9
1356412	Soil	0.9	11.5	7.6	305	0.4	21.2	7.7	282	1.71	4.8	0.6	2.2	26	3.1	0.4	0.2	43	0.26	0.127	10
1356413	Soil	1.6	29.6	7.1	168	0.5	32.2	10.9	233	2.99	4.2	2.0	3.3	21	0.6	0.6	0.1	63	0.20	0.055	12
1356414	Soil	1.3	8.9	6.4	89	0.4	13.2	4.4	133	1.33	2.8	1.8	2.0	23	0.8	0.3	0.1	43	0.23	0.030	10
1356415	Soil	1.1	20.5	7.1	223	0.3	33.5	11.1	351	2.11	3.6	0.9	2.2	17	0.7	0.4	0.1	60	0.20	0.080	8
1356416	Soil	0.8	11.8	6.2	147	0.3	20.0	8.6	490	1.56	2.8	3.6	1.4	27	1.8	0.4	0.1	47	0.36	0.069	7
1356417	Soil	2.6	70.5	2.8	68	0.8	37.6	4.1	942	0.34	<0.5	<0.5	<0.1	382	9.6	2.0	<0.1	8	5.21	0.105	3
1356418	Soil	1.7	67.2	9.0	210	1.3	47.4	16.0	1319	2.77	4.4	2.2	0.6	195	4.7	1.3	0.2	41	1.93	0.144	11
1356419	Soil	2.5	64.0	5.5	146	0.6	44.7	10.8	328	2.83	5.0	5.6	2.2	29	0.6	0.8	0.1	60	0.28	0.099	17
1356420	Soil	0.9	22.1	5.3	142	0.2	24.2	6.9	388	1.93	2.5	2.8	1.7	29	0.2	0.3	0.1	46	0.26	0.106	13
1356421	Soil	0.7	44.2	6.1	71	0.1	111.7	22.3	497	4.40	5.8	1.0	2.5	44	0.2	0.2	0.1	105	0.59	0.106	10
1356422	Soil	0.2	56.4	2.5	107	0.1	362.5	48.2	868	6.11	2.4	2.3	0.5	37	0.1	<0.1	<0.1	142	0.81	0.162	3
1356423	Soil	0.6	20.3	11.3	69	0.1	15.2	8.2	324	2.68	4.4	0.8	1.8	31	0.2	0.2	0.1	82	0.39	0.058	10
1356424	Soil	0.7	35.6	7.0	73	0.2	59.6	15.0	411	3.44	5.4	8.3	2.5	42	0.3	0.2	0.1	89	0.62	0.028	12
1356425	Soil	0.8	30.7	5.5	88	0.1	62.1	19.1	452	3.91	6.7	1.7	1.9	37	0.3	0.1	0.1	95	0.61	0.195	8
1356426	Soil	0.4	46.4	3.4	105	0.2	253.8	41.5	1746	5.55	3.2	<0.5	0.6	37	0.2	<0.1	<0.1	132	0.66	0.074	3
1356427	Soil	0.7	44.6	5.5	67	0.1	61.8	15.9	299	3.98	5.7	1.5	2.0	44	0.2	0.2	0.1	114	0.52	0.113	10
1356428	Soil	0.5	26.9	5.3	52	0.1	31.1	12.3	735	2.74	3.9	1.3	1.3	42	0.2	0.1	0.1	88	0.61	0.064	7
1356429	Soil	0.5	20.8	4.9	65	0.1	33.3	12.1	301	2.50	4.9	0.8	1.1	32	0.2	0.1	0.1	78	0.40	0.110	6
1356430	Soil	0.7	19.8	4.9	91	<0.1	67.2	14.3	339	2.98	3.6	0.6	1.5	31	0.2	<0.1	0.1	87	0.40	0.043	8

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN11004669.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356401	Soil	38	0.36	161	0.044	<20	1.42	0.012	0.12	<0.1	0.19	2.3	0.1	0.11	4	2.3	<0.2
1356402	Soil	35	0.50	67	0.080	<20	0.99	0.009	0.07	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1356403	Soil	39	0.42	98	0.074	<20	1.51	0.007	0.07	<0.1	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
1356404	Soil	35	0.39	77	0.096	<20	1.08	0.010	0.07	<0.1	0.02	2.0	0.1	<0.05	6	<0.5	<0.2
1356405	Soil	19	0.22	48	0.066	<20	0.65	0.010	0.04	<0.1	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
1356406	Soil	37	0.55	43	0.074	<20	0.96	0.017	0.09	0.2	0.03	3.7	0.1	<0.05	3	<0.5	<0.2
1356407	Soil	56	0.64	78	0.091	<20	1.80	0.007	0.08	0.3	0.04	3.0	0.1	<0.05	6	<0.5	<0.2
1356408	Soil	44	0.49	108	0.090	<20	1.92	0.009	0.08	0.1	0.05	2.8	0.1	<0.05	7	<0.5	<0.2
1356409	Soil	51	0.51	111	0.087	<20	1.67	0.007	0.08	0.2	0.08	2.9	<0.1	<0.05	6	0.7	<0.2
1356410	Soil	31	0.41	97	0.078	<20	1.30	0.007	0.06	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
1356411	Soil	19	0.25	48	0.088	<20	0.73	0.007	0.05	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1356412	Soil	33	0.33	95	0.083	<20	1.25	0.007	0.07	<0.1	0.03	2.1	0.2	<0.05	6	<0.5	<0.2
1356413	Soil	54	0.65	77	0.106	<20	1.67	0.009	0.07	0.1	0.05	2.8	<0.1	<0.05	6	<0.5	<0.2
1356414	Soil	27	0.31	70	0.076	<20	1.03	0.008	0.04	<0.1	0.03	2.1	0.1	<0.05	5	<0.5	<0.2
1356415	Soil	43	0.50	116	0.087	<20	1.64	0.008	0.07	<0.1	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
1356416	Soil	33	0.45	101	0.073	<20	1.12	0.007	0.17	<0.1	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1356417	Soil	18	0.14	56	0.005	<20	0.27	0.009	0.03	<0.1	0.22	0.3	<0.1	0.24	<1	7.3	<0.2
1356418	Soil	70	0.65	126	0.051	<20	1.83	0.015	0.08	0.1	0.19	2.5	0.2	0.09	4	3.3	<0.2
1356419	Soil	62	1.27	184	0.033	<20	1.66	0.005	0.17	<0.1	0.05	4.5	0.2	<0.05	5	0.5	<0.2
1356420	Soil	39	0.85	190	0.037	<20	1.59	0.007	0.17	<0.1	0.03	3.2	0.2	<0.05	5	<0.5	<0.2
1356421	Soil	114	1.91	57	0.130	<20	2.57	0.011	0.11	<0.1	0.04	4.6	<0.1	<0.05	8	<0.5	<0.2
1356422	Soil	491	5.66	41	0.129	<20	3.03	0.012	0.04	<0.1	0.03	2.3	<0.1	<0.05	11	<0.5	<0.2
1356423	Soil	35	0.33	57	0.115	<20	1.17	0.010	0.07	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
1356424	Soil	88	0.92	70	0.101	<20	2.09	0.011	0.07	<0.1	0.05	4.7	<0.1	<0.05	7	<0.5	<0.2
1356425	Soil	71	0.99	78	0.114	<20	2.45	0.010	0.08	<0.1	0.02	4.4	<0.1	<0.05	8	<0.5	<0.2
1356426	Soil	313	5.41	63	0.171	<20	2.94	0.013	0.04	<0.1	0.04	4.1	<0.1	<0.05	12	<0.5	<0.2
1356427	Soil	111	1.02	51	0.134	<20	2.34	0.012	0.07	<0.1	0.03	4.4	<0.1	<0.05	9	<0.5	<0.2
1356428	Soil	76	0.64	60	0.131	<20	1.39	0.013	0.09	<0.1	0.03	4.0	<0.1	<0.05	7	<0.5	<0.2
1356429	Soil	75	0.56	46	0.121	<20	1.52	0.013	0.05	<0.1	0.03	3.9	<0.1	<0.05	7	<0.5	<0.2
1356430	Soil	85	0.99	46	0.116	<20	1.83	0.012	0.06	<0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2

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Project: None Given
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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356431	Soil		0.3	8.7	4.9	43	0.1	11.4	6.6	297	1.68	3.1	1.3	2.4	19	0.1	0.1	<0.1	49	0.23	0.034	12
1356432	Soil		0.5	13.3	5.8	67	0.1	20.8	10.0	329	2.41	5.7	1.1	2.7	21	0.2	0.1	<0.1	60	0.26	0.088	13
1356433	Soil		0.6	16.6	5.7	57	0.1	13.6	7.2	274	1.92	7.3	63.0	1.9	28	0.3	0.2	<0.1	55	0.29	0.056	10
1356434	Soil		0.6	38.4	4.7	69	<0.1	25.3	11.8	357	2.94	8.6	2.1	2.6	42	0.2	0.2	<0.1	79	0.42	0.080	11
1356435	Soil		0.7	56.3	6.1	64	0.1	24.5	16.4	714	3.52	17.1	4.1	2.1	82	0.3	0.4	0.1	116	1.01	0.096	11
1356436	Soil		1.0	77.5	7.2	70	0.1	32.1	16.5	774	3.57	19.7	6.5	2.6	90	0.4	0.5	0.1	101	1.22	0.084	12
1356437	Soil		0.9	90.1	5.9	55	0.2	33.6	15.7	775	2.59	14.8	4.2	0.8	64	0.4	0.6	0.1	64	1.47	0.075	7
1356438	Soil		1.2	38.2	6.9	76	<0.1	9.8	12.2	613	2.63	5.3	0.5	0.5	68	0.6	0.2	0.1	88	0.72	0.094	3
1356439	Soil		0.8	29.4	8.0	94	0.4	13.3	15.1	1272	3.84	5.5	<0.5	0.6	75	0.6	0.2	0.1	111	0.66	0.171	4
1356440	Soil		0.7	29.2	4.5	77	0.2	60.6	22.1	693	5.43	2.8	<0.5	0.6	39	0.2	0.1	<0.1	195	0.46	0.115	2
1356441	Soil		4.1	26.2	8.9	210	0.2	55.0	13.4	292	4.19	9.6	0.5	0.8	17	0.5	0.4	0.2	109	0.28	0.121	4
1356442	Soil		3.1	51.0	7.1	151	0.1	90.8	19.1	495	3.93	13.7	1.3	2.2	60	0.9	0.5	0.1	113	0.40	0.109	6
1356443	Soil		0.5	40.7	5.3	65	0.1	29.2	11.8	485	2.90	6.5	1.3	2.2	49	0.2	0.2	<0.1	64	0.36	0.089	7
1356444	Soil		0.4	27.8	6.7	76	0.1	28.3	10.9	280	2.70	5.0	<0.5	2.4	26	0.2	0.1	0.1	52	0.20	0.182	7
1356445	Soil		0.4	16.1	5.9	78	0.1	20.0	9.5	738	2.35	6.9	46.8	1.9	22	0.2	0.1	0.1	46	0.20	0.165	6
1356446	Soil		0.5	36.8	5.2	62	<0.1	29.7	11.2	281	2.70	6.0	4.4	2.8	27	0.1	0.2	0.1	57	0.28	0.077	7
1356447	Soil		0.5	9.0	6.8	71	0.1	13.8	9.5	283	2.28	7.3	6.4	1.4	36	0.3	0.1	0.1	55	0.30	0.110	5
1356448	Soil		0.4	26.4	4.6	76	<0.1	109.5	18.9	387	3.27	3.3	1.0	1.4	28	0.2	0.2	<0.1	77	0.57	0.134	5
1356449	Soil		0.4	25.6	5.9	67	<0.1	64.5	15.0	239	3.11	4.1	<0.5	2.1	29	0.1	0.1	0.1	67	0.35	0.150	7
1356450	Soil		0.3	51.2	6.5	83	0.1	49.9	14.9	991	3.23	4.8	1.8	0.7	196	0.2	<0.1	<0.1	92	0.89	0.196	3
1356451	Soil		0.2	28.4	3.7	67	0.2	10.1	18.7	652	4.84	9.4	0.6	0.7	414	0.2	0.2	<0.1	147	0.88	0.118	3
1356452	Soil		0.4	25.7	4.0	40	0.1	12.1	6.8	311	2.20	2.7	4.8	1.5	55	0.1	<0.1	<0.1	53	0.38	0.053	7
1356453	Soil		0.7	43.1	6.3	63	0.2	26.6	11.7	828	2.85	7.4	1.1	2.0	40	0.4	0.2	0.1	69	0.65	0.050	10
1356454	Soil		0.3	28.7	5.1	55	0.1	24.0	7.8	204	2.12	3.8	<0.5	2.3	35	0.2	0.1	0.1	41	0.54	0.036	9
1356455	Soil		1.0	35.0	5.3	88	0.2	30.2	14.3	1023	3.46	8.5	1.1	1.8	43	0.9	0.4	0.1	90	0.66	0.112	6
1356456	Soil		1.2	40.3	8.1	69	0.3	25.2	15.0	943	3.17	21.5	2.4	1.1	60	0.5	0.6	0.1	71	0.96	0.078	5
1356457	Soil		0.4	8.3	4.8	79	0.2	15.2	9.2	310	1.93	4.4	<0.5	1.3	17	0.2	0.1	0.1	41	0.17	0.094	6
1356458	Soil		0.9	62.7	10.2	75	0.2	31.1	15.7	739	3.48	44.1	6.5	1.6	46	0.2	1.1	0.1	70	0.48	0.107	7
1356459	Soil		0.2	15.4	3.1	28	<0.1	10.5	3.9	124	1.21	1.9	<0.5	2.1	9	<0.1	<0.1	<0.1	17	0.09	0.023	10
1356460	Soil		0.5	26.9	6.8	97	0.3	19.9	11.6	385	2.94	20.6	2.1	2.0	22	0.3	0.2	0.2	55	0.20	0.310	6

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN11004669.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356431	Soil	25	0.29	42	0.081	<20	0.94	0.007	0.04	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
1356432	Soil	34	0.43	60	0.090	<20	1.42	0.008	0.06	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1356433	Soil	27	0.31	42	0.089	<20	1.15	0.008	0.04	<0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
1356434	Soil	35	0.58	73	0.113	<20	1.80	0.009	0.09	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
1356435	Soil	37	0.87	71	0.146	<20	1.72	0.018	0.09	<0.1	0.10	6.9	<0.1	<0.05	6	<0.5	<0.2
1356436	Soil	38	0.91	76	0.133	<20	1.71	0.018	0.09	<0.1	0.14	6.9	0.2	<0.05	6	0.7	<0.2
1356437	Soil	36	0.73	58	0.049	<20	1.27	0.011	0.06	0.1	0.15	3.5	<0.1	0.08	4	1.5	<0.2
1356438	Soil	15	0.40	38	0.117	<20	1.30	0.007	0.04	0.1	0.11	2.5	<0.1	0.08	7	<0.5	<0.2
1356439	Soil	26	0.39	65	0.141	<20	1.74	0.011	0.03	0.1	0.08	3.7	<0.1	<0.05	10	0.5	<0.2
1356440	Soil	100	1.06	35	0.160	<20	1.83	0.008	0.03	<0.1	0.03	3.5	<0.1	<0.05	12	<0.5	<0.2
1356441	Soil	75	0.52	43	0.095	<20	1.75	0.010	0.04	0.2	0.05	2.6	<0.1	<0.05	12	<0.5	<0.2
1356442	Soil	92	1.14	79	0.074	<20	2.44	0.006	0.07	<0.1	0.03	3.9	0.1	<0.05	8	0.6	<0.2
1356443	Soil	31	0.59	75	0.065	<20	1.96	0.006	0.08	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
1356444	Soil	27	0.42	82	0.058	<20	1.71	0.004	0.05	<0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
1356445	Soil	25	0.39	80	0.049	<20	1.31	0.004	0.05	<0.1	0.04	1.7	<0.1	<0.05	5	<0.5	<0.2
1356446	Soil	31	0.57	57	0.055	<20	1.45	0.003	0.07	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
1356447	Soil	21	0.30	54	0.039	<20	1.33	0.004	0.07	0.1	0.04	1.6	<0.1	<0.05	6	<0.5	<0.2
1356448	Soil	79	1.27	88	0.074	<20	2.11	0.005	0.05	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
1356449	Soil	68	0.88	75	0.072	<20	1.98	0.005	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
1356450	Soil	46	1.05	135	0.081	<20	3.14	0.011	0.09	<0.1	0.06	3.7	<0.1	<0.05	10	<0.5	<0.2
1356451	Soil	8	0.81	702	0.107	<20	3.57	0.043	0.09	<0.1	0.03	7.2	<0.1	<0.05	7	<0.5	<0.2
1356452	Soil	16	0.30	121	0.016	<20	1.30	0.009	0.06	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1356453	Soil	37	0.52	57	0.055	<20	1.41	0.010	0.03	1.2	0.05	3.4	<0.1	<0.05	4	<0.5	<0.2
1356454	Soil	27	0.54	49	0.046	<20	1.28	0.010	0.04	<0.1	0.03	2.6	<0.1	<0.05	4	0.5	<0.2
1356455	Soil	45	0.71	112	0.097	<20	1.78	0.008	0.05	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
1356456	Soil	32	0.48	105	0.056	<20	1.59	0.009	0.07	0.1	0.13	2.8	<0.1	<0.05	5	0.8	<0.2
1356457	Soil	26	0.33	81	0.040	<20	0.99	0.005	0.05	<0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1356458	Soil	37	0.72	73	0.051	<20	1.72	0.008	0.08	0.3	0.08	3.7	<0.1	<0.05	5	<0.5	<0.2
1356459	Soil	13	0.26	26	0.014	<20	0.70	0.003	0.02	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
1356460	Soil	25	0.35	122	0.045	<20	1.76	0.005	0.05	<0.1	0.04	2.7	<0.1	<0.05	6	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356461	Soil	0.6	10.2	4.4	41	0.1	14.3	7.2	366	1.80	5.8	1.4	1.0	27	0.3	0.2	<0.1	51	0.41	0.059	4
1356462	Soil	0.3	7.9	4.2	42	<0.1	11.0	5.9	770	1.56	2.1	<0.5	1.7	25	0.2	<0.1	<0.1	38	0.37	0.029	6
1356463	Soil	0.3	16.8	4.6	32	<0.1	19.5	8.1	174	2.03	5.5	0.6	2.8	19	<0.1	0.2	<0.1	40	0.19	0.017	10
1356464	Soil	0.8	13.7	6.5	49	0.1	23.4	10.0	175	3.20	12.1	<0.5	2.4	29	0.1	0.2	0.1	64	0.46	0.108	7
1356465	Soil	0.4	8.7	3.7	32	0.1	6.3	4.8	145	1.48	3.7	3.8	1.0	10	<0.1	<0.1	0.1	37	0.09	0.062	5
1356466	Soil	0.8	24.5	5.3	68	0.2	23.0	9.4	312	2.37	40.1	14.6	1.9	12	0.1	0.6	0.1	34	0.15	0.057	6
1356467	Soil	0.5	16.0	6.2	95	0.4	20.0	9.7	187	2.38	22.3	40.9	2.0	15	0.2	0.4	0.1	39	0.17	0.114	6
1356468	Soil	0.6	17.2	3.9	44	0.2	14.2	7.3	194	1.92	33.8	11.3	1.3	11	<0.1	0.7	<0.1	33	0.13	0.027	6
1356469	Soil	0.4	19.6	7.0	58	<0.1	21.4	8.9	169	2.27	18.5	1.3	3.3	12	<0.1	0.3	0.2	28	0.16	0.066	8
1356470	Soil	0.7	16.0	6.7	47	<0.1	13.4	7.0	179	1.63	38.3	8.2	1.4	16	<0.1	0.5	<0.1	29	0.20	0.034	6
1356471	Soil	0.6	14.3	6.0	46	<0.1	12.4	6.4	168	1.51	32.2	5.8	1.5	14	<0.1	0.5	<0.1	28	0.18	0.029	6
1356472	Soil	1.2	67.2	7.7	129	0.2	28.2	13.8	573	3.64	104.8	14.9	1.1	23	0.4	2.2	0.1	53	0.22	0.137	6
1356473	Soil	1.1	23.2	7.2	85	0.2	25.3	12.5	602	3.50	25.1	1.9	1.4	22	0.3	0.5	0.1	81	0.24	0.139	7
1356474	Soil	0.8	25.9	6.5	78	0.2	23.3	10.7	919	2.71	12.4	2.0	1.8	23	0.3	0.3	0.1	56	0.29	0.099	8
1356475	Soil	0.6	54.4	5.2	48	0.1	31.7	15.7	391	3.14	6.4	<0.5	1.5	51	0.1	0.3	<0.1	98	0.54	0.100	5
1356476	Soil	0.6	27.7	5.9	73	<0.1	23.9	13.3	414	2.89	4.8	1.3	1.6	30	0.2	0.2	0.1	82	0.42	0.102	6
1356477	Soil	0.3	37.3	2.0	95	0.2	155.1	26.2	1006	3.95	1.9	0.9	0.6	40	0.3	<0.1	<0.1	117	0.77	0.131	2
1356478	Soil	0.5	23.8	5.8	88	0.2	52.8	14.6	673	2.84	3.9	<0.5	1.7	26	0.2	0.2	<0.1	69	0.33	0.147	7
1356479	Soil	0.5	15.5	5.4	70	<0.1	40.3	12.6	598	2.47	3.0	<0.5	1.6	30	<0.1	0.1	<0.1	64	0.43	0.085	7
1356480	Soil	0.5	27.1	5.1	103	0.1	127.1	22.4	1322	3.38	2.9	0.7	1.2	36	0.2	0.1	<0.1	87	0.51	0.125	5
1356481	Soil	0.4	33.1	4.8	76	<0.1	115.7	20.1	497	3.51	4.3	0.5	1.6	35	<0.1	0.1	<0.1	90	0.54	0.179	5
1356482	Soil	0.5	33.7	5.1	74	<0.1	100.1	20.5	443	3.43	2.5	<0.5	1.6	29	<0.1	0.2	<0.1	97	0.49	0.103	6
1356483	Soil	0.4	27.4	4.1	123	0.3	183.1	26.5	619	3.86	2.5	<0.5	1.2	24	0.2	<0.1	<0.1	104	0.64	0.041	5
1356484	Soil	0.3	25.2	5.1	91	0.1	129.5	19.0	316	3.31	1.6	2.3	1.1	32	0.3	<0.1	<0.1	90	0.72	0.073	4
1356485	Soil	0.5	46.9	4.2	56	<0.1	215.2	30.5	487	4.33	3.1	3.5	1.1	45	0.2	<0.1	<0.1	115	0.58	0.027	5
1356486	Soil	0.5	16.7	5.5	58	<0.1	32.2	10.8	334	2.36	2.8	<0.5	1.7	20	0.1	0.1	0.1	70	0.38	0.103	7
1356487	Soil	0.4	25.4	5.4	81	<0.1	88.1	18.2	332	3.55	4.5	<0.5	1.7	32	0.2	0.1	<0.1	95	0.48	0.164	7
1356488	Soil	0.4	25.8	4.9	67	<0.1	87.6	16.3	323	3.12	3.3	<0.5	1.9	30	0.2	0.1	<0.1	77	0.51	0.057	8
1356489	Soil	0.5	29.1	5.7	81	<0.1	107.2	18.6	411	3.47	3.3	<0.5	1.8	28	0.2	0.1	<0.1	87	0.54	0.124	6
1356490	Soil	0.4	19.9	4.5	79	<0.1	106.9	17.8	741	2.73	2.3	<0.5	1.0	30	0.2	<0.1	<0.1	72	0.63	0.111	4

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356461	Soil	21	0.33	82	0.045	<20	1.10	0.005	0.06	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1356462	Soil	16	0.33	97	0.050	<20	1.01	0.004	0.06	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1356463	Soil	28	0.44	57	0.039	<20	1.19	0.005	0.05	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1356464	Soil	35	0.39	65	0.051	<20	1.74	0.004	0.05	0.1	0.04	1.9	<0.1	<0.05	6	<0.5	<0.2
1356465	Soil	15	0.15	57	0.021	<20	0.68	0.004	0.03	0.1	0.07	0.9	<0.1	<0.05	4	<0.5	<0.2
1356466	Soil	22	0.36	52	0.024	<20	1.12	0.003	0.06	0.1	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
1356467	Soil	24	0.35	76	0.025	<20	1.42	0.004	0.04	<0.1	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
1356468	Soil	23	0.30	57	0.011	<20	0.87	0.004	0.04	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1356469	Soil	21	0.33	30	0.031	<20	0.95	0.003	0.04	0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1356470	Soil	18	0.29	37	0.014	<20	0.87	0.004	0.05	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1356471	Soil	18	0.27	37	0.014	<20	0.87	0.004	0.04	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1356472	Soil	39	0.49	69	0.022	<20	1.37	0.007	0.06	0.1	0.04	5.4	<0.1	<0.05	4	<0.5	<0.2
1356473	Soil	45	0.46	104	0.056	<20	1.57	0.006	0.06	0.2	0.06	2.7	<0.1	<0.05	6	<0.5	<0.2
1356474	Soil	35	0.40	95	0.050	<20	1.34	0.006	0.06	<0.1	0.05	2.0	<0.1	<0.05	5	<0.5	<0.2
1356475	Soil	52	0.72	45	0.131	<20	1.81	0.012	0.07	<0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
1356476	Soil	38	0.54	59	0.107	<20	1.71	0.009	0.08	<0.1	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2
1356477	Soil	221	2.78	70	0.142	<20	1.99	0.007	0.08	<0.1	0.04	2.5	<0.1	<0.05	8	<0.5	<0.2
1356478	Soil	70	0.86	100	0.100	<20	1.69	0.009	0.07	<0.1	0.04	2.8	<0.1	<0.05	6	<0.5	<0.2
1356479	Soil	59	0.76	70	0.106	<20	1.60	0.010	0.08	<0.1	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
1356480	Soil	122	1.61	134	0.116	<20	2.31	0.012	0.06	<0.1	0.03	3.2	<0.1	<0.05	7	<0.5	<0.2
1356481	Soil	101	1.60	97	0.124	<20	2.42	0.012	0.08	<0.1	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
1356482	Soil	125	1.49	57	0.138	<20	2.36	0.013	0.06	<0.1	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
1356483	Soil	156	2.44	53	0.128	<20	2.60	0.014	0.04	<0.1	0.03	2.9	<0.1	<0.05	8	<0.5	<0.2
1356484	Soil	136	1.69	42	0.112	<20	2.19	0.013	0.05	<0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
1356485	Soil	177	3.03	36	0.117	<20	2.78	0.014	0.03	<0.1	0.03	3.0	<0.1	<0.05	8	<0.5	<0.2
1356486	Soil	48	0.57	56	0.104	<20	1.56	0.010	0.05	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1356487	Soil	99	1.20	56	0.115	<20	2.07	0.012	0.06	<0.1	0.03	3.4	<0.1	<0.05	7	<0.5	<0.2
1356488	Soil	75	1.17	48	0.099	<20	1.89	0.012	0.06	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1356489	Soil	88	1.16	63	0.094	<20	2.62	0.010	0.09	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
1356490	Soil	100	1.16	105	0.105	<20	2.06	0.012	0.04	<0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2

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Project: None Given
Report Date: November 20, 2011

CERTIFICATE OF ANALYSIS VAN11004669.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356491	Soil		0.4	21.1	4.0	84	0.1	146.3	21.4	702	2.95	2.3	<0.5	1.0	28	0.2	<0.1	<0.1	67	0.69	0.156	4
1356492	Soil		0.5	34.4	3.7	70	0.1	154.3	21.7	384	3.41	3.6	0.9	0.9	47	0.3	0.1	<0.1	92	0.57	0.060	5
1356493	Soil		0.6	62.7	5.4	71	0.2	191.2	26.4	595	3.70	3.4	0.7	1.2	67	0.3	<0.1	<0.1	91	1.21	0.051	6
1356494	Soil		0.4	13.6	6.8	95	0.2	32.3	10.5	429	2.59	2.1	<0.5	1.8	18	0.3	<0.1	0.1	49	0.40	0.047	12
1356495	Soil		0.4	11.9	7.1	56	<0.1	20.0	9.8	242	2.29	2.6	3.5	2.6	17	0.2	0.1	0.1	55	0.28	0.097	12
1356496	Soil		0.5	19.5	8.0	85	0.2	34.0	13.2	366	3.59	3.8	<0.5	2.7	20	0.3	0.1	0.1	81	0.33	0.050	11
1356497	Soil		0.6	81.9	7.8	64	0.1	104.4	24.1	767	4.34	8.4	4.5	3.1	69	0.1	0.2	<0.1	115	0.88	0.060	13
1356498	Soil		0.9	178.9	12.9	79	1.0	122.9	27.1	3616	5.07	8.5	1.7	2.7	56	0.8	0.3	0.3	115	1.65	0.070	11
1356499	Soil		0.7	71.7	6.2	63	0.1	89.3	18.6	430	3.99	6.9	1.4	2.3	47	0.2	0.2	0.1	117	0.74	0.036	7
1356500	Soil		0.9	75.5	7.9	69	<0.1	60.0	21.0	519	3.90	7.8	<0.5	3.3	36	0.1	0.4	0.1	97	0.42	0.044	10
1356501	Soil		0.5	25.9	4.5	78	0.2	147.4	19.7	484	3.40	4.7	1.3	1.3	32	0.2	0.1	<0.1	92	0.62	0.127	5
1356502	Soil		0.4	35.2	4.2	85	0.2	165.7	21.8	542	3.32	3.2	<0.5	1.4	33	0.3	0.1	<0.1	78	0.83	0.087	6
1356503	Soil		0.4	17.5	5.5	54	0.1	32.4	8.8	799	2.27	3.7	<0.5	1.0	26	0.2	<0.1	0.1	67	0.35	0.112	5
1356504	Soil		0.4	32.4	3.8	73	<0.1	269.2	29.5	471	3.93	3.3	<0.5	1.3	31	0.2	<0.1	<0.1	97	0.97	0.105	4
1356505	Soil		0.5	27.8	5.9	78	<0.1	87.1	16.7	454	3.43	4.2	<0.5	2.4	31	0.1	0.1	0.1	78	0.55	0.128	9
1356506	Soil		0.5	47.8	7.3	64	0.1	76.0	20.4	642	3.69	6.6	19.4	1.9	47	0.2	0.2	<0.1	86	0.71	0.081	9
1356507	Soil		0.5	59.6	9.1	78	0.3	60.3	16.7	843	3.60	6.4	<0.5	3.4	38	0.4	0.2	0.2	96	0.96	0.036	13
1356508	Soil		0.5	27.6	6.9	76	0.1	66.6	15.4	460	3.43	4.5	8.8	2.5	29	0.2	0.1	0.1	78	0.38	0.113	10
1356509	Soil		0.6	39.9	7.8	58	<0.1	42.9	15.3	309	3.44	4.5	1.8	3.6	31	0.1	0.3	0.2	77	0.30	0.040	10
1356510	Soil		0.4	17.9	5.4	66	<0.1	47.6	12.5	365	2.63	2.6	1.3	1.5	55	0.2	0.1	0.1	72	0.51	0.120	5
1356511	Soil		0.6	23.2	6.4	105	0.1	88.8	18.8	569	3.79	4.6	<0.5	1.9	26	0.3	0.2	0.2	81	0.35	0.167	6
1356512	Soil		0.5	16.0	6.6	76	0.2	54.4	12.6	262	2.71	3.3	0.5	2.0	28	0.2	0.1	0.1	59	0.28	0.104	8
1356513	Soil		0.3	28.3	6.9	55	0.1	53.9	10.2	224	2.47	2.6	<0.5	1.9	33	<0.1	<0.1	0.2	63	0.50	0.029	9
1356514	Soil		0.8	53.5	6.6	75	0.2	53.1	18.6	583	3.41	7.9	2.4	2.7	47	0.3	0.4	0.1	87	0.60	0.093	9
1356515	Soil		0.7	32.3	7.3	100	0.2	32.0	16.3	850	2.99	5.0	2.9	2.2	38	0.4	0.2	0.2	75	0.46	0.084	8
1356516	Soil		0.4	22.4	5.4	82	0.2	58.3	14.0	283	2.90	4.5	0.5	1.7	29	0.1	0.1	0.1	72	0.38	0.162	6
1356517	Soil		0.4	24.8	4.1	55	<0.1	102.7	15.7	325	3.05	3.5	<0.5	1.6	29	<0.1	0.1	0.1	81	0.47	0.096	6
1356518	Soil		0.4	30.4	4.4	58	<0.1	82.3	15.9	389	2.92	3.7	0.8	1.8	33	<0.1	0.1	0.1	77	0.46	0.080	6
1356519	Soil		0.5	13.3	5.2	82	0.1	59.7	12.6	1178	2.22	2.7	1.3	1.2	36	0.3	0.1	0.1	55	0.56	0.074	5
1356520	Soil		0.4	22.7	5.0	72	0.2	39.0	12.9	416	2.61	5.0	<0.5	1.7	25	0.1	0.2	0.1	60	0.32	0.142	6

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356491	Soil	118	1.50	72	0.087	<20	2.15	0.011	0.05	<0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
1356492	Soil	110	1.64	69	0.091	<20	2.49	0.012	0.04	<0.1	0.03	2.4	<0.1	<0.05	6	<0.5	<0.2
1356493	Soil	113	2.56	97	0.096	<20	2.65	0.017	0.06	<0.1	0.04	4.1	<0.1	<0.05	6	<0.5	<0.2
1356494	Soil	43	0.61	71	0.057	<20	1.83	0.011	0.08	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
1356495	Soil	33	0.45	56	0.067	<20	1.37	0.009	0.06	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
1356496	Soil	48	0.63	56	0.073	<20	1.84	0.011	0.09	<0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
1356497	Soil	110	1.73	62	0.137	<20	2.60	0.015	0.11	<0.1	0.11	9.5	<0.1	<0.05	7	<0.5	<0.2
1356498	Soil	121	1.36	176	0.076	<20	3.67	0.021	0.11	<0.1	0.12	9.8	0.2	<0.05	8	1.2	<0.2
1356499	Soil	91	1.34	65	0.115	<20	2.87	0.016	0.06	<0.1	0.04	5.5	<0.1	<0.05	7	0.5	<0.2
1356500	Soil	70	1.12	62	0.111	<20	2.44	0.012	0.09	0.2	0.02	5.1	<0.1	<0.05	7	<0.5	<0.2
1356501	Soil	104	1.36	74	0.105	<20	2.28	0.010	0.08	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1356502	Soil	103	2.02	71	0.093	<20	2.11	0.012	0.07	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1356503	Soil	64	0.43	119	0.083	<20	1.15	0.013	0.07	<0.1	0.03	2.4	<0.1	<0.05	6	<0.5	<0.2
1356504	Soil	148	2.72	55	0.107	<20	2.96	0.011	0.05	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
1356505	Soil	72	1.18	62	0.084	<20	2.58	0.011	0.12	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
1356506	Soil	76	1.35	69	0.088	<20	2.25	0.013	0.10	<0.1	0.05	4.5	<0.1	<0.05	6	<0.5	<0.2
1356507	Soil	71	0.96	77	0.067	<20	2.36	0.014	0.09	<0.1	0.08	5.6	<0.1	<0.05	7	<0.5	<0.2
1356508	Soil	78	1.02	74	0.077	<20	2.20	0.011	0.09	<0.1	0.04	3.2	<0.1	<0.05	7	<0.5	<0.2
1356509	Soil	54	0.93	55	0.087	<20	1.85	0.009	0.07	<0.1	0.02	3.8	<0.1	<0.05	6	0.7	<0.2
1356510	Soil	73	0.76	58	0.089	<20	1.30	0.006	0.10	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
1356511	Soil	72	1.26	78	0.094	<20	2.26	0.006	0.08	<0.1	0.02	3.2	<0.1	<0.05	7	<0.5	<0.2
1356512	Soil	66	0.84	62	0.085	<20	1.55	0.007	0.07	0.2	0.02	2.2	<0.1	<0.05	6	0.5	<0.2
1356513	Soil	55	1.09	69	0.086	<20	1.83	0.011	0.05	<0.1	0.02	3.3	<0.1	<0.05	6	0.5	<0.2
1356514	Soil	56	0.98	62	0.120	<20	1.92	0.008	0.13	<0.1	0.07	5.5	<0.1	<0.05	6	<0.5	<0.2
1356515	Soil	41	0.74	84	0.110	<20	1.72	0.008	0.08	<0.1	0.05	3.8	<0.1	<0.05	6	0.6	<0.2
1356516	Soil	65	0.87	56	0.095	<20	1.78	0.009	0.06	<0.1	0.05	2.9	<0.1	<0.05	6	<0.5	<0.2
1356517	Soil	94	1.37	48	0.114	<20	1.92	0.008	0.05	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1356518	Soil	77	1.21	57	0.100	<20	1.71	0.006	0.06	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1356519	Soil	58	0.85	94	0.080	<20	1.29	0.007	0.07	<0.1	0.04	2.1	<0.1	<0.05	5	0.5	<0.2
1356520	Soil	45	0.68	58	0.084	<20	1.61	0.006	0.06	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356521	Soil	0.6	48.3	5.8	71	0.2	31.5	13.6	307	3.14	7.7	<0.5	2.1	36	0.1	0.2	0.1	77	0.38	0.114	7
1356522	Soil	0.7	68.8	5.6	62	<0.1	51.2	15.9	349	3.49	13.3	<0.5	2.1	49	0.1	0.2	<0.1	97	0.46	0.080	6
1356523	Soil	0.9	63.5	5.6	75	<0.1	49.3	15.8	343	3.42	12.9	0.9	2.2	45	0.2	0.3	<0.1	93	0.46	0.077	6
1356524	Soil	0.9	31.3	8.6	96	<0.1	33.7	11.9	387	3.08	15.0	<0.5	1.6	41	0.3	0.3	<0.1	91	0.38	0.148	6
1356525	Soil	0.8	30.2	7.1	68	<0.1	26.3	12.8	562	2.70	8.6	1.8	2.5	25	0.4	0.3	0.1	59	0.45	0.054	9
1356526	Soil	0.6	44.6	6.6	70	0.3	27.3	13.3	717	3.71	8.4	2.2	1.6	83	0.4	0.2	<0.1	117	0.90	0.024	5
1356527	Soil	1.1	71.7	7.4	71	<0.1	58.1	12.4	1044	2.84	9.6	1.2	2.6	48	0.3	0.2	0.1	59	0.64	0.051	10
1356528	Soil	1.1	18.5	6.9	108	0.1	27.2	14.0	653	3.43	5.1	1.6	1.2	72	0.3	0.2	0.1	89	0.35	0.096	4
1356529	Soil	1.7	30.7	27.0	78	<0.1	15.9	14.4	1193	5.10	8.0	<0.5	1.4	137	0.3	0.2	0.1	172	0.69	0.020	6
1356530	Soil	0.6	58.6	6.5	67	0.3	27.6	11.4	450	3.03	9.6	2.6	2.2	75	0.2	0.2	0.1	66	0.52	0.126	7
1356531	Soil	1.0	26.2	9.2	131	0.2	30.7	17.1	1255	4.45	8.8	0.8	2.1	42	0.5	0.2	0.2	108	0.30	0.149	6
1356532	Soil	0.3	15.3	6.2	44	<0.1	23.0	8.1	317	2.27	9.1	1.3	3.4	31	<0.1	0.2	0.1	31	0.32	0.084	9
1356533	Soil	0.4	15.3	7.8	42	<0.1	26.1	10.0	147	2.47	12.3	<0.5	4.0	15	<0.1	0.2	0.2	33	0.17	0.141	9
1356534	Soil	0.4	12.3	6.9	41	<0.1	23.1	8.3	145	2.43	6.4	<0.5	3.4	15	<0.1	0.1	0.1	34	0.18	0.099	8
1356535	Soil	0.3	14.2	5.6	42	<0.1	23.2	7.8	170	2.33	4.1	0.6	2.1	22	<0.1	<0.1	0.1	44	0.18	0.044	9
1356536	Soil	0.1	6.8	4.2	37	<0.1	11.9	5.2	373	1.36	2.0	<0.5	1.8	15	<0.1	<0.1	<0.1	22	0.13	0.034	9
1356537	Soil	0.4	18.6	6.2	61	0.1	32.2	11.4	304	2.71	5.4	0.7	3.4	17	0.1	0.2	0.1	45	0.15	0.110	8
1356538	Soil	0.4	11.1	6.4	47	0.1	15.1	6.7	187	2.04	6.2	<0.5	2.3	23	<0.1	<0.1	0.1	36	0.15	0.147	7
1356539	Soil	0.4	15.5	6.3	56	0.1	22.1	9.7	345	2.92	7.5	<0.5	2.6	21	0.1	0.2	0.1	47	0.15	0.260	7
1356540	Soil	0.5	9.8	4.5	70	0.2	17.5	10.3	385	2.03	3.2	<0.5	1.3	20	0.2	<0.1	<0.1	39	0.17	0.047	6
1356541	Soil	0.4	14.1	7.1	77	<0.1	21.8	9.1	195	2.33	10.3	<0.5	3.6	12	0.2	0.2	0.2	29	0.12	0.179	8
1356542	Soil	0.9	34.3	6.0	65	0.2	17.6	14.8	614	2.41	47.2	7.7	0.9	25	0.2	1.0	0.1	40	0.32	0.042	6
1356543	Soil	1.3	36.7	7.8	99	0.3	20.9	10.9	334	2.80	62.1	8.6	1.0	20	0.3	1.4	0.1	48	0.17	0.090	5
1356544	Soil	0.7	19.2	7.6	249	0.3	31.6	15.2	517	3.46	16.1	0.9	1.5	26	0.6	0.3	0.2	70	0.26	0.240	5
1356545	Soil	1.9	50.3	9.4	110	0.4	29.4	15.2	1108	3.85	37.0	8.3	0.7	59	0.5	0.9	0.2	72	0.71	0.188	4
1356546	Soil	0.6	172.3	6.0	61	0.2	42.5	29.7	754	3.98	10.5	5.9	1.7	96	0.1	0.3	<0.1	103	1.18	0.103	6
1356547	Soil	0.4	18.0	5.4	96	<0.1	27.8	12.3	640	2.76	6.9	<0.5	1.2	30	0.4	0.2	0.1	64	0.35	0.212	4
1356548	Soil	0.6	26.7	5.3	107	0.2	68.8	16.1	501	3.19	9.2	<0.5	1.4	40	0.2	0.2	0.1	70	0.46	0.203	5
1356549	Soil	1.0	23.5	7.0	89	0.1	48.3	14.7	720	3.50	13.6	<0.5	0.9	42	0.3	0.2	0.1	91	0.39	0.212	3
1356550	Soil	0.3	26.9	4.1	70	0.1	11.7	15.0	765	4.43	3.2	<0.5	0.7	235	0.1	0.1	<0.1	145	0.63	0.117	3

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Project: None Given
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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356521	Soil	40	0.70	47	0.086	<20	1.77	0.007	0.07	0.1	0.05	3.1	<0.1	<0.05	6	<0.5	<0.2
1356522	Soil	56	0.97	57	0.097	<20	2.13	0.007	0.08	<0.1	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
1356523	Soil	54	0.93	60	0.106	<20	2.17	0.007	0.07	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
1356524	Soil	38	0.56	82	0.095	<20	1.93	0.009	0.06	<0.1	0.04	3.5	<0.1	<0.05	7	0.5	<0.2
1356525	Soil	36	0.62	57	0.083	<20	1.51	0.008	0.06	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
1356526	Soil	37	0.74	147	0.131	<20	2.43	0.019	0.05	<0.1	0.10	6.1	<0.1	<0.05	6	<0.5	<0.2
1356527	Soil	17	0.45	77	0.046	<20	1.58	0.010	0.04	<0.1	0.10	5.4	0.1	<0.05	5	<0.5	<0.2
1356528	Soil	31	0.54	116	0.119	<20	2.14	0.010	0.04	0.5	0.07	3.4	<0.1	<0.05	7	<0.5	<0.2
1356529	Soil	23	0.59	88	0.160	<20	2.16	0.020	0.04	<0.1	0.04	4.1	<0.1	<0.05	8	0.6	<0.2
1356530	Soil	26	0.55	74	0.063	<20	2.19	0.007	0.05	<0.1	0.07	2.2	<0.1	<0.05	7	<0.5	<0.2
1356531	Soil	37	0.59	122	0.098	<20	2.16	0.008	0.06	0.1	0.06	2.7	<0.1	<0.05	9	<0.5	<0.2
1356532	Soil	23	0.38	78	0.032	<20	1.09	0.004	0.06	<0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1356533	Soil	24	0.33	26	0.041	<20	1.23	0.004	0.06	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1356534	Soil	24	0.34	28	0.043	<20	1.23	0.004	0.06	0.4	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1356535	Soil	27	0.39	39	0.037	<20	1.30	0.005	0.05	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1356536	Soil	17	0.26	62	0.028	<20	0.77	0.003	0.04	<0.1	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1356537	Soil	34	0.44	62	0.052	<20	1.63	0.003	0.06	<0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1356538	Soil	22	0.27	63	0.048	<20	1.11	0.003	0.04	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
1356539	Soil	29	0.39	87	0.043	<20	1.57	0.003	0.06	<0.1	0.04	2.0	<0.1	<0.05	6	<0.5	<0.2
1356540	Soil	25	0.31	112	0.012	<20	1.23	0.006	0.05	<0.1	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
1356541	Soil	23	0.31	36	0.036	<20	1.32	0.004	0.04	<0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1356542	Soil	25	0.29	69	0.013	<20	1.00	0.006	0.04	0.3	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
1356543	Soil	35	0.40	76	0.017	<20	1.11	0.006	0.04	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1356544	Soil	53	0.59	147	0.046	<20	1.57	0.005	0.05	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1356545	Soil	35	0.59	140	0.040	<20	1.58	0.007	0.08	0.6	0.10	2.6	<0.1	0.06	6	0.8	<0.2
1356546	Soil	61	1.42	51	0.090	<20	2.25	0.014	0.09	<0.1	0.15	8.0	<0.1	<0.05	6	<0.5	<0.2
1356547	Soil	39	0.60	84	0.085	<20	1.54	0.009	0.06	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1356548	Soil	59	1.07	112	0.072	<20	2.18	0.007	0.10	<0.1	0.04	2.9	<0.1	<0.05	7	<0.5	<0.2
1356549	Soil	54	0.86	128	0.066	<20	2.04	0.008	0.06	<0.1	0.04	2.9	<0.1	<0.05	8	<0.5	<0.2
1356550	Soil	10	0.59	364	0.063	<20	3.20	0.018	0.12	<0.1	0.03	5.4	<0.1	<0.05	7	<0.5	<0.2

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356601	Soil	2.2	67.4	7.0	91	0.4	38.7	19.3	825	3.93	18.2	1.8	1.9	32	0.8	1.8	0.1	72	0.77	0.045	8
1356602	Soil	1.6	31.9	6.5	89	0.3	26.4	14.7	706	2.91	15.4	6.7	1.0	47	0.7	1.3	0.1	60	1.08	0.038	5
1356603	Soil	2.0	87.0	7.3	101	0.9	35.7	16.6	1012	3.04	18.4	1.4	0.6	93	1.4	2.4	0.1	58	2.10	0.066	8
1356604	Soil	1.7	47.5	5.8	59	0.4	22.7	10.6	360	2.88	14.0	0.7	0.7	81	0.9	1.8	0.1	61	1.88	0.041	6
1356605	Soil	2.6	48.7	4.2	69	0.5	17.8	7.7	1036	1.51	8.9	<0.5	0.2	141	0.7	2.9	<0.1	30	3.42	0.054	4
1356606	Soil	2.7	88.3	7.4	133	1.1	33.5	15.2	1001	2.91	14.6	3.6	0.7	99	1.2	2.1	0.1	51	2.16	0.043	11
1356607	Soil	2.1	74.2	7.9	211	0.8	39.7	19.2	1213	3.54	14.3	0.7	1.2	59	2.0	1.7	0.1	62	1.21	0.041	9
1356608	Soil	1.9	53.4	7.9	112	0.4	35.4	13.4	361	3.28	16.0	1.3	1.4	49	1.0	1.8	0.1	62	0.94	0.046	6
1356609	Soil	1.9	186.3	7.2	102	1.8	53.2	16.2	949	3.10	16.4	3.7	0.6	114	1.7	3.6	0.1	52	2.45	0.075	15
1356610	Soil	1.9	70.1	6.9	81	0.2	40.1	19.9	902	3.44	21.9	3.3	1.8	31	0.5	2.0	0.1	70	0.72	0.070	10
1356611	Soil	1.4	74.6	7.8	124	0.4	46.3	21.5	1015	3.63	15.1	3.2	1.4	51	1.5	2.3	0.1	71	1.13	0.052	8
1356612	Soil	2.2	94.0	6.1	76	0.5	50.8	20.6	818	3.45	18.0	3.1	1.2	39	0.6	2.0	0.1	78	0.89	0.087	9
1356613	Soil	3.2	110.2	8.0	77	1.1	34.6	17.1	1082	3.25	33.4	3.7	0.5	112	0.9	2.3	0.1	77	2.22	0.172	9
1356614	Soil	5.7	90.5	12.3	102	0.8	50.6	20.0	841	4.18	47.8	6.5	1.1	36	0.7	2.7	0.2	55	0.65	0.070	13
1356615	Soil	5.6	86.2	11.5	103	0.7	47.7	17.0	990	3.62	38.2	5.9	1.0	41	0.9	2.3	0.2	54	0.76	0.063	12
1356616	Soil	3.2	56.9	8.2	121	0.3	33.8	14.9	658	3.32	32.5	1.7	0.8	45	0.7	1.6	0.1	70	0.85	0.034	7
1356617	Soil	4.2	62.0	7.8	84	0.4	34.5	10.6	334	2.23	26.6	4.8	0.7	45	0.9	1.4	<0.1	51	0.86	0.061	11
1356618	Soil	1.0	23.8	4.6	75	0.3	18.6	8.2	422	2.04	7.6	1.4	0.4	23	0.4	0.6	<0.1	53	0.48	0.032	7
1356619	Soil	3.3	24.5	5.2	27	0.3	8.7	4.2	1132	0.48	4.3	0.8	<0.1	150	0.7	1.0	<0.1	4	2.91	0.065	3
1356620	Soil	1.9	106.6	9.1	124	2.6	45.1	22.1	1035	3.84	33.5	3.7	1.1	73	1.8	1.6	0.2	77	1.02	0.112	20
1356621	Soil	0.8	30.2	4.6	49	0.2	21.1	10.0	536	2.50	20.3	2.0	0.8	11	0.2	1.0	<0.1	62	0.35	0.041	6
1356622	Soil	1.2	23.2	5.3	58	0.4	18.8	7.0	222	2.98	34.8	1.8	1.7	10	0.3	1.0	0.1	67	0.23	0.058	6
1356623	Soil	0.9	14.2	5.0	45	0.3	13.3	6.3	264	2.52	14.5	1.1	1.4	10	0.2	0.7	0.1	66	0.24	0.055	7
1356624	Soil	2.6	47.1	7.0	48	1.0	26.1	9.5	427	2.06	14.8	3.0	0.3	76	0.5	0.9	0.1	39	1.19	0.071	12
1356625	Soil	1.0	13.7	4.4	62	0.2	14.3	6.7	205	1.96	12.5	1.0	1.3	14	0.2	0.7	<0.1	54	0.32	0.042	7
1356626	Soil	1.3	25.1	6.2	82	0.2	24.4	9.8	424	3.81	24.9	0.9	1.9	12	0.4	1.0	0.1	80	0.28	0.118	8
1356627	Soil	1.3	31.2	6.3	82	0.2	30.8	10.7	279	3.44	21.6	3.8	2.0	9	0.4	0.8	0.1	68	0.24	0.087	8
1356628	Soil	1.2	18.2	5.0	52	0.2	16.4	7.2	292	1.82	14.5	0.6	1.0	21	0.4	0.7	0.1	55	0.44	0.022	8
1356629	Soil	1.5	20.4	5.5	45	0.3	18.7	6.2	200	2.15	22.9	25.2	0.9	23	0.3	0.8	0.1	61	0.43	0.029	8
1356630	Soil	13.8	260.5	43.2	217	0.3	68.1	33.3	3473	5.82	72.1	8.9	5.1	16	3.4	5.0	0.4	31	0.05	0.127	29

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356601	Soil	67	0.94	118	0.073	<20	2.20	0.009	0.09	<0.1	0.04	5.6	<0.1	<0.05	6	<0.5	<0.2
1356602	Soil	50	0.68	79	0.065	<20	1.63	0.006	0.06	<0.1	0.05	3.3	<0.1	<0.05	4	0.7	<0.2
1356603	Soil	67	0.69	93	0.050	<20	1.70	0.009	0.07	0.1	0.12	3.7	<0.1	0.08	5	1.7	<0.2
1356604	Soil	49	0.53	72	0.061	<20	1.48	0.006	0.04	0.1	0.10	3.1	<0.1	0.07	4	1.1	<0.2
1356605	Soil	28	0.37	79	0.022	<20	0.90	0.007	0.04	<0.1	0.12	1.3	<0.1	0.14	2	2.6	<0.2
1356606	Soil	51	0.57	109	0.047	<20	1.70	0.008	0.08	<0.1	0.13	3.9	<0.1	0.07	4	1.9	<0.2
1356607	Soil	59	0.77	123	0.065	<20	2.05	0.008	0.12	0.1	0.05	4.8	<0.1	<0.05	5	0.7	<0.2
1356608	Soil	58	0.58	105	0.058	<20	1.90	0.007	0.08	0.1	0.06	4.1	<0.1	0.06	5	0.8	<0.2
1356609	Soil	87	0.70	139	0.042	<20	1.82	0.009	0.11	0.1	0.16	4.3	<0.1	0.09	5	3.0	<0.2
1356610	Soil	66	0.94	89	0.083	<20	1.84	0.008	0.11	0.1	0.04	5.4	<0.1	<0.05	5	0.7	<0.2
1356611	Soil	75	1.03	120	0.090	<20	2.06	0.009	0.12	0.2	0.04	5.7	<0.1	<0.05	6	0.7	<0.2
1356612	Soil	100	1.11	86	0.071	<20	1.99	0.010	0.10	0.1	0.05	5.6	<0.1	<0.05	6	0.8	<0.2
1356613	Soil	64	0.62	127	0.019	<20	1.75	0.010	0.09	0.1	0.19	2.5	<0.1	0.14	5	2.5	<0.2
1356614	Soil	63	0.72	140	0.019	<20	1.87	0.006	0.08	<0.1	0.16	5.1	0.1	<0.05	4	2.9	<0.2
1356615	Soil	60	0.72	132	0.023	<20	1.81	0.006	0.07	<0.1	0.14	4.6	0.1	0.05	4	1.9	<0.2
1356616	Soil	57	0.68	122	0.035	<20	1.71	0.007	0.07	<0.1	0.04	3.5	<0.1	<0.05	5	0.9	<0.2
1356617	Soil	53	0.68	115	0.028	<20	1.57	0.009	0.07	<0.1	0.10	4.0	<0.1	0.15	4	1.7	<0.2
1356618	Soil	35	0.65	94	0.037	<20	1.67	0.007	0.05	<0.1	0.04	2.7	<0.1	<0.05	6	<0.5	<0.2
1356619	Soil	4	0.14	51	0.003	<20	0.17	0.016	0.02	<0.1	0.18	0.3	<0.1	0.20	<1	0.9	<0.2
1356620	Soil	59	0.73	220	0.054	<20	2.86	0.011	0.11	0.2	0.08	7.0	<0.1	<0.05	8	0.9	<0.2
1356621	Soil	41	0.77	62	0.053	<20	1.73	0.006	0.05	0.1	0.05	3.1	<0.1	<0.05	5	<0.5	<0.2
1356622	Soil	37	0.55	81	0.052	<20	1.60	0.004	0.05	0.1	0.06	2.4	<0.1	<0.05	5	<0.5	<0.2
1356623	Soil	31	0.42	73	0.064	<20	1.23	0.004	0.04	<0.1	0.04	2.2	<0.1	<0.05	6	<0.5	<0.2
1356624	Soil	39	0.52	137	0.032	<20	1.62	0.011	0.08	0.1	0.20	3.1	<0.1	0.10	4	1.0	<0.2
1356625	Soil	30	0.37	56	0.054	<20	1.15	0.009	0.04	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
1356626	Soil	46	0.57	94	0.073	<20	1.78	0.005	0.07	0.2	0.05	2.5	<0.1	<0.05	6	<0.5	<0.2
1356627	Soil	54	0.64	70	0.050	<20	2.18	0.005	0.07	0.2	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
1356628	Soil	35	0.44	65	0.039	<20	1.17	0.006	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
1356629	Soil	38	0.50	63	0.043	<20	1.36	0.006	0.04	0.1	0.04	2.4	<0.1	<0.05	5	<0.5	<0.2
1356630	Soil	18	0.57	157	0.007	<20	1.68	0.007	0.04	0.1	0.23	4.6	0.3	<0.05	4	1.9	0.3

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CERTIFICATE OF ANALYSIS VAN11004669.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356631	Soil	1.7	34.2	14.6	83	0.6	14.6	9.7	1488	2.24	18.3	<0.5	1.1	5	0.9	0.4	0.3	34	0.06	0.068	10
1356632	Soil	3.6	40.3	12.5	118	0.3	21.2	7.1	723	3.15	15.8	0.7	1.8	5	0.5	0.8	0.3	38	0.05	0.126	9
1356633	Soil	7.1	44.8	13.6	90	0.4	30.0	11.9	993	2.71	22.1	2.6	1.5	15	0.8	1.7	0.2	45	0.21	0.053	11
1356634	Soil	5.4	53.5	8.9	111	0.9	43.0	12.9	963	3.36	20.0	1.8	1.4	15	0.5	1.2	0.2	60	0.20	0.050	14
1356635	Soil	2.3	15.3	6.1	71	0.3	12.0	6.4	1171	1.98	10.7	<0.5	0.8	6	0.6	0.9	0.1	43	0.09	0.067	6
1356636	Soil	4.0	54.7	10.2	118	1.1	33.6	13.7	1018	2.78	22.2	3.9	0.9	34	1.2	3.1	0.1	42	0.73	0.066	11
1356637	Soil	2.8	27.5	6.9	88	0.3	12.6	10.2	683	2.75	17.8	<0.5	1.0	7	0.3	1.6	0.1	55	0.14	0.069	5
1356638	Soil	8.1	20.6	7.5	57	0.1	12.8	3.6	60	1.30	24.8	<0.5	1.4	6	0.2	0.7	0.2	26	0.08	0.017	9
1356639	Soil	4.1	36.2	7.4	143	0.2	24.1	9.6	304	3.52	28.7	<0.5	1.6	11	0.4	1.7	0.1	54	0.12	0.080	6
1356640	Soil	3.6	82.0	10.2	116	0.7	43.8	17.4	709	3.50	43.7	2.6	2.5	37	0.7	10.5	0.1	50	0.73	0.041	20
1356641	Soil	1.9	69.0	10.8	174	0.3	15.8	17.9	712	5.47	28.9	<0.5	1.3	11	0.2	6.0	0.2	70	0.15	0.120	10
1356642	Soil	1.9	16.4	6.6	110	0.2	13.3	8.8	394	2.89	69.7	<0.5	0.9	10	0.4	2.3	0.1	48	0.17	0.068	8
1356643	Soil	1.9	39.3	6.5	66	0.2	18.8	10.6	523	2.84	46.6	<0.5	1.1	13	0.2	4.2	0.1	64	0.27	0.030	5
1356644	Soil	1.7	66.9	9.5	78	0.3	22.9	16.0	877	2.80	45.9	<0.5	1.1	47	0.3	7.4	0.1	65	0.89	0.036	7
1356645	Soil	3.6	46.4	11.9	135	0.2	30.7	15.7	771	2.98	23.8	<0.5	1.6	22	0.4	2.5	0.2	60	0.30	0.065	10
1356646	Soil	3.3	76.9	11.1	127	0.3	36.6	16.7	1280	3.18	31.0	4.2	1.9	39	0.6	3.1	0.2	64	0.61	0.064	10
1356647	Soil	2.1	23.5	6.7	140	0.1	21.6	14.4	800	3.03	16.6	<0.5	1.2	19	0.5	0.6	0.1	67	0.32	0.086	7
1356648	Soil	1.1	19.1	5.7	115	0.2	13.6	12.5	628	2.46	11.4	<0.5	0.8	17	0.4	1.3	0.1	61	0.35	0.097	6
1356649	Soil	2.1	27.0	6.8	122	0.2	17.2	10.3	407	3.34	21.0	0.8	1.5	17	0.4	1.3	0.1	75	0.30	0.231	6
1356650	Soil	0.9	15.3	7.8	127	0.4	8.9	9.3	392	1.89	7.8	0.8	1.1	23	0.7	0.2	0.2	51	0.40	0.102	6

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CERTIFICATE OF ANALYSIS VAN11004669.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356631	Soil	17	0.29	133	0.006	<20	1.12	0.004	0.04	<0.1	0.05	1.4	<0.1	<0.05	6	<0.5	<0.2
1356632	Soil	25	0.67	72	0.014	<20	1.53	0.003	0.04	<0.1	0.03	2.0	<0.1	<0.05	5	0.7	<0.2
1356633	Soil	27	0.40	122	0.032	<20	1.03	0.005	0.06	<0.1	0.11	2.4	0.2	<0.05	4	0.7	<0.2
1356634	Soil	44	0.78	127	0.017	<20	1.71	0.004	0.04	<0.1	0.05	4.0	0.2	<0.05	6	1.3	<0.2
1356635	Soil	24	0.26	121	0.029	<20	0.86	0.004	0.04	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1356636	Soil	37	0.52	150	0.026	<20	1.43	0.005	0.07	0.1	0.13	3.1	0.1	0.05	4	1.3	<0.2
1356637	Soil	22	0.38	107	0.026	<20	1.36	0.004	0.04	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1356638	Soil	6	0.06	62	0.007	<20	0.49	0.002	0.06	<0.1	<0.01	0.7	<0.1	<0.05	3	2.0	<0.2
1356639	Soil	32	0.60	117	0.015	<20	1.77	0.004	0.05	<0.1	0.04	2.5	0.1	<0.05	6	0.7	<0.2
1356640	Soil	66	0.64	165	0.042	<20	2.00	0.006	0.09	<0.1	0.15	6.4	0.1	<0.05	4	1.2	<0.2
1356641	Soil	22	0.38	151	0.011	<20	1.94	0.003	0.06	0.1	0.04	3.6	<0.1	<0.05	7	<0.5	<0.2
1356642	Soil	21	0.36	77	0.020	<20	1.37	0.003	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1356643	Soil	28	0.42	67	0.039	<20	1.68	0.005	0.05	<0.1	0.04	2.8	<0.1	<0.05	6	<0.5	<0.2
1356644	Soil	31	0.58	89	0.037	<20	1.84	0.008	0.07	<0.1	0.09	4.6	<0.1	0.07	5	<0.5	<0.2
1356645	Soil	42	0.54	103	0.051	<20	1.80	0.007	0.09	<0.1	0.03	3.0	0.2	<0.05	5	<0.5	<0.2
1356646	Soil	49	0.59	157	0.040	<20	1.91	0.007	0.11	<0.1	0.12	4.8	0.1	<0.05	5	<0.5	<0.2
1356647	Soil	43	0.62	101	0.051	<20	1.79	0.007	0.07	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
1356648	Soil	30	0.52	101	0.036	<20	1.67	0.007	0.07	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1356649	Soil	39	0.54	92	0.039	<20	2.06	0.007	0.06	<0.1	0.04	3.6	<0.1	<0.05	6	<0.5	<0.2
1356650	Soil	24	0.27	90	0.034	<20	1.24	0.008	0.06	<0.1	0.05	2.3	<0.1	<0.05	5	<0.5	<0.2

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QUALITY CONTROL REPORT VAN11004669.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1356423	Soil	0.6	20.3	11.3	69	0.1	15.2	8.2	324	2.68	4.4	0.8	1.8	31	0.2	0.2	0.1	82	0.39	0.058	10
REP 1356423	QC	0.6	21.5	11.6	72	0.1	16.8	8.4	320	2.76	4.6	0.9	1.9	30	0.2	0.1	0.1	87	0.38	0.062	10
1356465	Soil	0.4	8.7	3.7	32	0.1	6.3	4.8	145	1.48	3.7	3.8	1.0	10	<0.1	<0.1	0.1	37	0.09	0.062	5
REP 1356465	QC	0.4	8.1	3.7	31	<0.1	6.7	4.6	137	1.48	3.6	0.7	1.1	9	<0.1	0.1	<0.1	36	0.09	0.060	5
1356508	Soil	0.5	27.6	6.9	76	0.1	66.6	15.4	460	3.43	4.5	8.8	2.5	29	0.2	0.1	0.1	78	0.38	0.113	10
REP 1356508	QC	0.5	28.0	6.9	75	0.1	66.2	15.2	466	3.40	4.2	2.1	2.6	29	0.1	0.1	0.1	77	0.39	0.120	10
1356542	Soil	0.9	34.3	6.0	65	0.2	17.6	14.8	614	2.41	47.2	7.7	0.9	25	0.2	1.0	0.1	40	0.32	0.042	6
REP 1356542	QC	0.8	35.6	5.9	66	0.2	17.3	14.6	618	2.43	48.0	6.1	1.0	24	0.2	0.9	0.1	40	0.32	0.042	6
1356616	Soil	3.2	56.9	8.2	121	0.3	33.8	14.9	658	3.32	32.5	1.7	0.8	45	0.7	1.6	0.1	70	0.85	0.034	7
REP 1356616	QC	3.2	58.4	8.4	125	0.3	35.7	15.8	691	3.45	33.2	1.8	0.8	47	0.8	1.6	0.1	72	0.86	0.035	7
Reference Materials																					
STD DS8	Standard	13.2	107.0	109.3	302	1.7	35.3	7.3	577	2.31	24.5	93.4	5.3	58	2.3	5.0	5.6	40	0.63	0.074	12
STD DS8	Standard	12.8	104.7	123.9	317	1.8	37.7	7.6	598	2.42	26.0	107.5	5.8	57	2.2	4.8	6.4	41	0.65	0.083	12
STD DS8	Standard	11.0	106.4	120.6	314	1.8	36.9	7.2	599	2.42	26.3	110.8	5.6	57	2.3	4.7	6.2	40	0.65	0.082	12
STD DS8	Standard	12.2	104.3	119.4	307	1.9	37.8	7.5	579	2.37	25.7	199.1	5.9	56	2.3	4.8	6.4	40	0.64	0.079	12
STD DS8	Standard	12.1	109.0	113.7	301	1.8	36.7	7.2	577	2.33	24.4	92.7	5.7	62	2.2	4.9	6.1	42	0.64	0.073	12
STD DS8	Standard	14.2	119.9	125.1	325	1.7	41.1	8.3	652	2.53	27.0	136.8	7.2	76	2.4	5.4	7.4	47	0.73	0.081	17
STD DS8	Standard	14.4	109.0	125.3	312	1.9	37.6	7.3	606	2.41	24.5	119.1	7.1	77	2.3	5.0	6.4	43	0.72	0.074	19
STD OREAS45CA	Standard	0.9	506.7	18.4	58	0.3	226.4	84.7	854	15.53	3.8	37.9	6.0	14	<0.1	0.1	0.1	191	0.40	0.035	15
STD OREAS45CA	Standard	0.9	473.3	18.6	57	0.3	220.9	86.5	896	15.59	4.0	39.6	6.4	14	0.1	0.2	0.2	200	0.42	0.038	15
STD OREAS45CA	Standard	0.9	469.2	17.8	55	0.3	219.7	85.9	901	15.81	4.1	41.6	6.3	14	<0.1	0.2	0.2	195	0.42	0.038	15
STD OREAS45CA	Standard	0.9	426.2	17.7	50	0.3	197.1	77.8	822	14.30	3.7	40.6	5.7	13	0.2	0.2	0.2	175	0.38	0.034	14
STD OREAS45CA	Standard	1.0	459.2	18.8	55	0.3	216.8	86.2	869	14.89	4.0	37.9	6.4	14	<0.1	0.1	0.2	193	0.40	0.031	14
STD OREAS45CA	Standard	0.9	570.7	22.2	69	0.3	271.0	97.9	970	17.25	3.5	43.2	7.3	16	<0.1	<0.1	0.2	218	0.43	0.039	17
STD OREAS45CA	Standard	1.0	512.8	20.7	64	0.3	251.9	90.7	928	16.66	3.7	50.4	6.2	15	0.1	0.1	0.2	213	0.43	0.037	17
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	0.08	14.6
STD OREAS45CA Expected		1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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QUALITY CONTROL REPORT VAN11004669.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
Pulp Duplicates																	
1356423	Soil	35	0.33	57	0.115	<20	1.17	0.010	0.07	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
REP 1356423	QC	38	0.35	59	0.117	<20	1.22	0.010	0.07	<0.1	0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
1356465	Soil	15	0.15	57	0.021	<20	0.68	0.004	0.03	0.1	0.07	0.9	<0.1	<0.05	4	<0.5	<0.2
REP 1356465	QC	15	0.15	55	0.021	<20	0.65	0.004	0.03	0.6	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1356508	Soil	78	1.02	74	0.077	<20	2.20	0.011	0.09	<0.1	0.04	3.2	<0.1	<0.05	7	<0.5	<0.2
REP 1356508	QC	77	1.04	74	0.084	<20	2.17	0.012	0.09	<0.1	0.03	3.4	<0.1	<0.05	7	<0.5	<0.2
1356542	Soil	25	0.29	69	0.013	<20	1.00	0.006	0.04	0.3	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 1356542	QC	24	0.30	72	0.013	<20	1.05	0.005	0.04	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1356616	Soil	57	0.68	122	0.035	<20	1.71	0.007	0.07	<0.1	0.04	3.5	<0.1	<0.05	5	0.9	<0.2
REP 1356616	QC	58	0.71	127	0.035	<20	1.72	0.008	0.07	0.1	0.04	3.7	<0.1	<0.05	6	0.6	<0.2
Reference Materials																	
STD DS8	Standard	113	0.56	270	0.111	<20	0.82	0.080	0.39	2.4	0.20	1.9	5.0	0.15	4	4.8	4.6
STD DS8	Standard	114	0.59	300	0.102	<20	0.88	0.086	0.42	2.3	0.24	2.2	5.4	0.15	5	4.7	4.7
STD DS8	Standard	113	0.59	284	0.096	<20	0.86	0.081	0.41	2.6	0.20	2.0	5.3	0.16	4	5.6	4.5
STD DS8	Standard	113	0.57	285	0.095	<20	0.84	0.080	0.40	2.5	0.19	2.0	5.2	0.15	4	4.9	4.5
STD DS8	Standard	111	0.56	276	0.107	<20	0.82	0.078	0.38	2.7	0.21	1.9	5.4	<0.05	4	4.8	4.5
STD DS8	Standard	128	0.61	304	0.123	<20	0.94	0.096	0.43	2.3	0.19	2.4	5.5	0.17	5	4.4	5.4
STD DS8	Standard	117	0.62	290	0.133	<20	0.91	0.094	0.42	2.6	0.21	2.8	5.6	0.17	5	4.8	4.6
STD OREAS45CA	Standard	672	0.14	156	0.127	<20	3.33	0.013	0.07	<0.1	0.03	36.8	<0.1	<0.05	17	0.6	<0.2
STD OREAS45CA	Standard	678	0.13	165	0.105	<20	3.26	0.012	0.07	<0.1	0.03	34.4	<0.1	<0.05	18	0.7	<0.2
STD OREAS45CA	Standard	671	0.13	159	0.106	<20	3.28	0.011	0.07	<0.1	0.03	34.1	<0.1	<0.05	18	0.6	<0.2
STD OREAS45CA	Standard	620	0.12	154	0.095	<20	3.10	0.010	0.06	<0.1	0.03	32.3	<0.1	<0.05	17	0.6	<0.2
STD OREAS45CA	Standard	630	0.12	147	0.105	<20	3.02	0.010	0.06	<0.1	0.02	34.6	<0.1	<0.05	17	0.9	<0.2
STD OREAS45CA	Standard	793	0.16	172	0.144	<20	3.94	0.013	0.08	<0.1	0.03	39.8	<0.1	0.05	19	0.9	<0.2
STD OREAS45CA	Standard	699	0.15	159	0.168	<20	3.83	0.012	0.08	<0.1	0.03	46.8	<0.1	<0.05	20	0.7	<0.2
STD DS8 Expected		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		709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank	<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

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Project: None Given

Report Date: November 20, 2011

QUALITY CONTROL REPORT VAN11004669.1

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

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Vancouver BC V6C 1T2 Canada

Project: None Given
Report Date: November 20, 2011

QUALITY CONTROL REPORT VAN11004669.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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
		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	<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	<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	<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	<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	<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	<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

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Submitted By: Stephen Wetherup
Receiving Lab: Canada-Vancouver
Received: September 12, 2011
Report Date: October 13, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN11004668.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 200

SAMPLE DISPOSAL

RTRN-PLP Return
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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	199	Dry at 60C			VAN
SS80	199	Dry at 60C sieve 100g to -80 mesh			VAN
1DX1	199	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Caracle Creek Int'l Consulting (ON)
25 Frood Road
Sudbury ON P3C 4Y9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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: None Given
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS VAN11004668.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356201	Soil	10.5	38.5	15.1	158	5.8	42.4	11.4	503	3.09	5.3	6.5	0.7	16	3.2	0.3	0.3	46	0.23	0.071	32
1356202	Soil	4.3	35.8	18.9	131	0.8	35.9	11.0	584	3.16	4.4	5.9	0.8	40	1.0	0.2	0.5	42	0.40	0.066	14
1356203	Soil	6.3	49.6	14.8	149	2.3	51.6	11.9	508	3.27	6.2	3.1	1.6	34	2.0	0.3	0.4	38	0.37	0.087	17
1356204	Soil	2.8	21.5	10.2	68	0.8	19.6	8.2	374	2.17	4.6	2.4	1.4	11	0.4	0.1	0.2	30	0.11	0.062	12
1356205	Soil	2.0	9.4	9.7	51	0.6	11.1	4.2	361	1.68	3.1	1.9	0.6	11	0.2	0.1	0.2	31	0.08	0.059	10
1356206	Soil	2.2	24.1	8.2	97	0.4	28.4	12.2	447	2.51	5.7	<0.5	2.8	16	0.5	0.2	0.2	37	0.21	0.100	11
1356207	Soil	4.2	18.9	10.0	73	0.3	19.2	7.5	250	2.58	8.0	<0.5	1.2	20	0.5	0.3	0.2	29	0.21	0.049	13
1356208	Soil	3.5	41.3	9.7	89	0.2	39.8	17.0	527	2.93	10.3	<0.5	2.9	24	0.5	0.3	0.2	50	0.29	0.087	15
1356209	Soil	1.2	33.2	6.0	101	0.2	27.3	12.7	593	3.38	12.8	0.8	1.1	23	0.4	0.5	0.1	83	0.51	0.107	5
1356210	Soil	0.9	20.1	7.4	106	0.1	14.8	6.6	180	2.32	8.0	<0.5	0.9	16	0.3	0.3	0.1	74	0.23	0.102	6
1356211	Soil	1.0	15.7	5.9	85	0.2	20.6	8.9	391	2.71	9.8	<0.5	1.2	20	0.3	0.5	<0.1	74	0.34	0.036	5
1356212	Soil	1.7	8.0	6.6	50	<0.1	7.1	3.8	167	1.87	5.1	<0.5	0.8	21	0.2	0.3	0.2	79	0.34	0.017	5
1356213	Soil	1.1	89.8	3.8	35	0.5	12.7	5.7	185	1.00	9.0	0.8	0.1	118	0.9	1.7	0.1	24	3.28	0.055	6
1356214	Soil	1.1	11.1	1.6	4	0.3	3.0	0.5	30	0.10	0.9	<0.5	<0.1	80	0.3	0.3	0.1	6	2.25	0.035	1
1356215	Soil	1.6	24.7	5.3	49	0.1	17.6	5.6	167	3.11	5.2	<0.5	1.3	27	0.2	0.4	0.1	85	0.43	0.016	6
1356216	Soil	1.6	31.1	8.7	74	0.3	21.5	7.6	232	2.20	4.2	1.2	1.2	42	0.5	0.4	0.2	61	0.67	0.022	13
1356217	Soil	1.7	29.7	6.9	124	0.2	29.3	11.9	436	3.07	6.4	1.3	1.9	32	0.5	0.6	0.1	75	0.48	0.033	9
1356218	Soil	1.6	24.9	7.2	128	0.3	28.6	9.1	324	3.46	7.1	0.9	2.2	23	0.4	0.5	0.2	76	0.27	0.152	11
1356219	Soil	0.8	18.3	7.8	123	0.4	22.9	9.1	881	2.38	4.2	<0.5	2.3	23	0.3	0.2	0.2	54	0.26	0.110	10
1356220	Soil	0.7	11.7	6.8	79	0.5	13.9	5.7	484	1.89	3.6	1.2	1.2	20	0.5	0.2	0.1	57	0.25	0.093	8
1356221	Soil	1.9	50.9	6.2	135	0.4	41.4	13.0	584	3.48	7.5	1.8	2.9	30	0.8	0.7	0.1	78	0.30	0.100	10
1356222	Soil	1.2	22.1	6.4	103	0.3	24.5	10.5	469	3.11	3.8	<0.5	1.9	25	0.7	0.2	0.1	81	0.29	0.045	7
1356223	Soil	1.2	20.6	7.8	169	0.4	30.7	12.4	307	3.48	4.6	<0.5	2.3	31	0.3	0.3	0.2	77	0.33	0.164	7
1356224	Soil	1.3	25.0	6.4	134	0.4	35.8	17.0	659	3.26	4.4	0.5	1.8	28	0.5	0.3	0.2	68	0.36	0.100	7
1356225	Soil	1.6	7.7	5.7	14	<0.1	2.5	0.6	39	0.16	0.9	1.3	<0.1	104	0.5	0.2	<0.1	3	1.47	0.052	1
1356226	Soil	1.2	13.1	6.4	39	0.2	14.7	3.8	130	1.40	2.5	<0.5	1.2	29	0.4	0.3	0.1	46	0.34	0.026	9
1356227	Soil	2.3	20.4	7.7	62	0.2	32.5	11.1	331	2.62	4.0	2.4	2.1	37	0.4	0.3	0.2	63	0.40	0.019	8
1356228	Soil	2.4	49.0	7.9	74	0.5	45.4	14.7	1426	3.00	5.7	2.7	1.8	64	0.8	0.4	0.2	59	0.73	0.058	14
1356229	Soil	1.8	29.7	6.9	68	0.1	41.6	15.7	304	3.22	5.3	2.2	3.6	36	0.5	0.3	0.1	72	0.44	0.025	12
1356230	Soil	1.0	48.1	5.6	108	0.5	50.9	14.0	457	2.55	4.5	1.6	2.8	48	1.1	0.4	0.1	58	0.51	0.069	11

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Project: None Given
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS VAN11004668.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356201	Soil	37	0.48	87	0.024	<20	1.54	0.006	0.09	0.1	0.15	1.5	0.2	<0.05	5	1.5	<0.2
1356202	Soil	40	0.61	148	0.049	<20	1.54	0.006	0.14	0.1	0.07	2.3	0.1	<0.05	5	1.7	<0.2
1356203	Soil	47	0.64	139	0.045	<20	1.59	0.007	0.18	<0.1	0.08	2.7	0.2	<0.05	5	1.5	<0.2
1356204	Soil	23	0.39	45	0.043	<20	1.17	0.005	0.07	0.1	0.05	1.2	0.1	<0.05	4	0.9	<0.2
1356205	Soil	22	0.30	61	0.046	<20	0.90	0.004	0.05	<0.1	0.08	0.8	0.1	<0.05	5	<0.5	<0.2
1356206	Soil	41	0.63	68	0.059	<20	1.36	0.008	0.11	<0.1	0.05	1.6	0.2	<0.05	4	0.8	<0.2
1356207	Soil	21	0.31	32	0.052	<20	0.94	0.005	0.05	0.1	0.06	1.0	0.1	<0.05	3	0.8	<0.2
1356208	Soil	57	0.95	86	0.076	<20	1.58	0.011	0.16	<0.1	0.04	2.6	0.2	<0.05	4	0.7	<0.2
1356209	Soil	39	0.66	92	0.110	<20	2.24	0.008	0.06	0.2	0.07	3.1	<0.1	<0.05	7	0.6	<0.2
1356210	Soil	30	0.35	72	0.100	<20	1.52	0.008	0.03	0.1	0.04	2.3	<0.1	<0.05	8	<0.5	<0.2
1356211	Soil	39	0.52	102	0.112	<20	1.94	0.008	0.04	<0.1	0.03	2.8	<0.1	<0.05	7	<0.5	<0.2
1356212	Soil	21	0.20	74	0.114	<20	0.80	0.008	0.05	<0.1	0.01	1.2	<0.1	<0.05	7	<0.5	<0.2
1356213	Soil	26	0.22	59	0.031	<20	0.68	0.011	0.03	0.1	0.16	1.7	<0.1	0.15	3	3.3	<0.2
1356214	Soil	3	0.05	21	0.005	<20	0.10	0.008	0.02	<0.1	0.14	0.2	<0.1	0.15	<1	0.7	<0.2
1356215	Soil	35	0.39	76	0.122	<20	1.37	0.010	0.05	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
1356216	Soil	44	0.54	97	0.091	<20	1.52	0.009	0.06	<0.1	0.04	2.6	<0.1	<0.05	6	<0.5	<0.2
1356217	Soil	49	0.70	104	0.118	<20	1.96	0.009	0.06	0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
1356218	Soil	56	0.74	110	0.093	<20	2.01	0.008	0.09	0.2	0.04	2.7	<0.1	<0.05	8	<0.5	<0.2
1356219	Soil	47	0.58	193	0.090	<20	1.71	0.009	0.10	<0.1	0.04	2.2	0.1	<0.05	7	<0.5	<0.2
1356220	Soil	31	0.35	122	0.075	<20	1.20	0.011	0.05	<0.1	0.05	1.7	<0.1	<0.05	7	<0.5	<0.2
1356221	Soil	55	0.82	137	0.097	<20	2.12	0.010	0.11	<0.1	0.03	3.4	0.1	<0.05	7	0.9	<0.2
1356222	Soil	50	0.57	111	0.129	<20	1.98	0.010	0.07	<0.1	0.05	2.6	<0.1	<0.05	8	<0.5	<0.2
1356223	Soil	55	0.58	112	0.103	<20	2.49	0.010	0.07	0.1	0.08	2.9	<0.1	<0.05	8	<0.5	<0.2
1356224	Soil	53	0.73	154	0.112	<20	2.17	0.011	0.10	0.2	0.09	2.5	<0.1	<0.05	7	<0.5	<0.2
1356225	Soil	4	0.09	38	0.006	<20	0.12	0.009	0.04	<0.1	0.19	0.2	<0.1	0.16	<1	0.5	<0.2
1356226	Soil	32	0.33	84	0.080	<20	0.84	0.008	0.06	<0.1	0.05	1.3	<0.1	<0.05	5	<0.5	<0.2
1356227	Soil	60	0.66	108	0.111	<20	1.84	0.010	0.10	0.1	0.05	2.5	0.1	<0.05	6	<0.5	<0.2
1356228	Soil	68	0.78	139	0.091	<20	2.04	0.015	0.14	0.1	0.11	4.7	0.2	<0.05	5	1.3	<0.2
1356229	Soil	64	0.93	135	0.141	<20	2.28	0.017	0.11	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1356230	Soil	62	0.83	111	0.087	<20	1.92	0.011	0.09	0.1	0.04	3.0	0.1	<0.05	6	0.5	<0.2

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Project: None Given
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS VAN11004668.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356231	Soil		1.2	54.1	8.1	115	0.5	62.4	16.8	669	3.07	4.5	<0.5	3.4	81	1.1	0.4	0.2	66	0.70	0.041	10
1356232	Soil		0.7	14.3	5.2	65	0.2	19.3	6.6	174	1.75	3.6	1.7	2.0	27	0.5	0.2	0.1	50	0.31	0.073	9
1356233	Soil		1.1	43.4	4.6	70	0.2	43.7	11.2	274	2.50	4.5	3.4	2.7	26	0.4	0.5	<0.1	55	0.32	0.036	9
1356234	Soil		1.1	35.6	6.1	90	0.2	34.4	10.0	224	2.75	4.3	0.6	2.8	19	0.3	0.3	0.1	64	0.26	0.091	9
1356235	Soil		1.6	74.0	8.6	135	0.3	45.2	17.1	419	3.44	7.2	2.8	2.5	22	0.7	0.6	0.2	61	0.25	0.169	9
1356236	Soil		0.9	33.1	6.5	104	0.3	28.4	9.1	424	1.94	4.2	2.6	1.7	26	0.5	0.4	0.1	62	0.24	0.063	10
1356237	Soil		0.5	3.5	8.2	31	0.1	5.6	1.9	69	0.60	0.9	<0.5	1.3	23	0.3	0.1	0.2	36	0.26	0.019	11
1356238	Soil		7.8	18.4	3.9	30	0.2	10.9	2.6	914	0.23	<0.5	<0.5	<0.1	345	2.7	0.9	<0.1	4	4.78	0.070	<1
1356239	Soil		1.4	45.4	9.3	180	0.3	38.1	16.0	372	2.81	4.9	0.5	1.9	20	1.0	0.5	0.1	65	0.30	0.065	7
1356240	Soil		0.6	12.8	8.4	236	0.2	22.2	13.9	523	1.93	2.7	0.6	1.3	18	1.3	0.2	0.1	54	0.19	0.104	4
1356241	Soil		0.6	19.5	10.3	259	0.2	30.6	17.7	814	2.49	2.4	0.5	1.2	41	1.3	0.1	0.1	66	0.44	0.071	6
1356242	Soil		1.3	36.8	10.1	136	0.3	32.2	12.4	642	2.50	3.8	0.6	1.5	28	0.4	0.2	0.1	55	0.31	0.052	7
1356243	Soil		0.4	18.0	8.0	206	0.2	18.0	12.2	687	1.78	2.4	<0.5	1.1	26	0.9	<0.1	0.1	45	0.32	0.042	5
1356244	Soil		1.4	81.7	11.3	144	<0.1	40.9	15.5	585	3.21	5.2	5.6	2.8	23	0.3	0.4	0.1	55	0.35	0.061	9
1356245	Soil		0.6	11.3	7.5	151	0.7	11.0	8.8	1093	1.51	2.0	<0.5	1.2	14	0.7	<0.1	0.1	39	0.16	0.046	6
1356246	Soil		0.7	29.2	8.2	174	0.3	23.0	10.8	319	2.58	3.5	0.8	2.8	21	0.4	0.1	0.1	62	0.27	0.118	10
1356247	Soil		1.0	17.4	10.5	180	0.5	11.3	10.6	660	2.37	5.1	<0.5	1.4	22	0.8	0.3	0.2	49	0.29	0.219	7
1356248	Soil		0.6	5.6	5.9	42	0.1	5.3	3.4	270	0.92	2.5	1.0	1.3	24	0.8	0.2	0.1	30	0.30	0.087	7
1356249	Soil		0.7	8.4	6.1	69	0.3	12.4	6.5	416	1.20	2.4	<0.5	1.5	18	0.3	0.2	0.1	37	0.26	0.044	7
1356250	Soil		0.8	10.6	7.0	84	0.3	14.6	7.8	565	1.43	2.8	<0.5	1.4	19	0.4	0.2	0.1	38	0.26	0.067	6
1356251	Soil		3.0	10.3	10.8	46	0.3	12.0	5.0	377	2.13	3.7	<0.5	1.1	8	0.3	<0.1	0.2	47	0.06	0.081	10
1356252	Soil		3.5	47.8	10.7	127	1.2	47.0	27.2	987	3.79	26.5	1.7	0.9	77	2.2	0.4	0.2	95	0.96	0.145	13
1356253	Soil		3.4	41.2	8.7	83	0.3	42.9	16.7	400	3.42	13.3	0.8	2.0	42	0.5	0.2	0.1	68	0.56	0.101	12
1356254	Soil		3.6	29.9	8.4	160	0.6	46.8	18.9	885	3.43	9.4	<0.5	1.0	47	1.1	0.1	0.2	58	0.60	0.159	13
1356255	Soil		0.8	34.5	6.6	164	0.5	29.3	13.4	497	3.10	7.3	1.2	1.3	17	0.8	0.5	0.1	86	0.38	0.060	7
1356256	Soil		1.8	113.1	6.4	77	1.8	25.1	8.6	674	1.58	8.8	3.1	0.3	38	1.8	0.9	0.1	63	0.93	0.080	17
1356257	Soil		0.5	11.4	6.1	53	0.2	8.6	4.1	169	1.20	3.2	<0.5	0.4	20	0.5	0.3	0.1	44	0.31	0.042	4
1356258	Soil		1.0	107.8	7.6	184	0.6	32.6	10.0	251	2.94	34.6	2.3	1.2	36	0.5	0.7	<0.1	88	0.85	0.048	10
1356259	Soil		1.3	30.9	14.0	256	0.8	21.6	11.3	461	4.99	480.6	<0.5	0.8	16	0.8	0.6	0.1	121	0.30	0.097	4
1356260	Soil		1.6	15.4	8.1	96	0.2	13.4	5.8	193	3.22	14.1	<0.5	0.9	14	0.3	0.5	0.2	110	0.14	0.030	5

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356231	Soil	73	0.84	151	0.107	<20	2.42	0.014	0.12	<0.1	0.06	4.1	0.2	<0.05	6	0.6	<0.2
1356232	Soil	41	0.50	74	0.078	<20	1.20	0.009	0.06	<0.1	<0.01	1.8	0.1	<0.05	5	<0.5	<0.2
1356233	Soil	56	0.74	75	0.093	<20	1.67	0.008	0.07	0.2	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
1356234	Soil	55	0.74	73	0.078	<20	1.79	0.007	0.07	0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
1356235	Soil	62	1.01	141	0.045	<20	1.99	0.006	0.08	<0.1	0.05	3.4	0.1	<0.05	5	1.2	<0.2
1356236	Soil	53	0.76	190	0.047	<20	1.64	0.006	0.07	<0.1	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
1356237	Soil	21	0.15	64	0.085	<20	0.66	0.006	0.06	<0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
1356238	Soil	9	0.18	65	0.005	<20	0.17	0.018	0.03	<0.1	0.20	0.2	<0.1	0.26	<1	10.7	<0.2
1356239	Soil	44	0.69	70	0.110	<20	1.51	0.010	0.09	<0.1	0.03	2.8	<0.1	<0.05	6	0.5	<0.2
1356240	Soil	26	0.33	115	0.092	<20	1.19	0.017	0.09	<0.1	0.02	1.9	0.1	<0.05	6	<0.5	<0.2
1356241	Soil	36	0.73	174	0.098	<20	1.93	0.017	0.13	<0.1	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
1356242	Soil	34	0.83	173	0.049	<20	1.81	0.007	0.10	<0.1	0.03	2.6	0.1	<0.05	5	0.6	<0.2
1356243	Soil	19	0.40	157	0.081	<20	1.43	0.017	0.08	<0.1	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
1356244	Soil	40	1.01	144	0.091	<20	2.10	0.007	0.09	<0.1	0.02	3.4	<0.1	<0.05	5	0.5	<0.2
1356245	Soil	20	0.25	123	0.072	<20	0.97	0.012	0.06	<0.1	0.06	1.8	<0.1	<0.05	5	<0.5	<0.2
1356246	Soil	38	0.54	119	0.068	<20	1.97	0.007	0.07	<0.1	0.03	2.8	0.1	<0.05	7	<0.5	<0.2
1356247	Soil	21	0.48	198	0.084	<20	1.66	0.008	0.08	<0.1	0.05	2.4	0.1	<0.05	7	<0.5	<0.2
1356248	Soil	13	0.16	92	0.085	<20	0.57	0.007	0.07	<0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1356249	Soil	25	0.36	90	0.078	<20	0.94	0.012	0.07	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1356250	Soil	27	0.38	98	0.068	<20	1.07	0.010	0.08	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1356251	Soil	15	0.19	28	0.048	<20	0.58	0.003	0.03	<0.1	0.03	0.9	<0.1	<0.05	5	0.7	<0.2
1356252	Soil	73	1.25	100	0.066	<20	2.15	0.015	0.12	<0.1	0.11	4.7	0.1	0.09	6	1.7	<0.2
1356253	Soil	79	1.16	63	0.093	<20	1.79	0.020	0.13	<0.1	0.04	3.4	0.1	<0.05	5	1.2	<0.2
1356254	Soil	86	1.07	117	0.056	<20	2.14	0.018	0.15	<0.1	0.07	3.1	0.1	0.05	5	1.3	<0.2
1356255	Soil	50	0.62	96	0.144	<20	2.98	0.012	0.06	<0.1	0.06	4.7	<0.1	<0.05	8	0.5	<0.2
1356256	Soil	44	0.34	88	0.055	<20	2.03	0.025	0.06	<0.1	0.26	6.0	<0.1	0.09	5	1.8	<0.2
1356257	Soil	21	0.20	90	0.072	<20	0.80	0.010	0.05	<0.1	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2
1356258	Soil	48	0.71	114	0.093	<20	2.95	0.018	0.05	<0.1	0.08	9.0	<0.1	<0.05	8	1.0	<0.2
1356259	Soil	48	0.64	100	0.042	<20	3.09	0.009	0.07	<0.1	0.10	4.9	<0.1	<0.05	10	<0.5	<0.2
1356260	Soil	39	0.36	71	0.113	<20	1.57	0.009	0.03	<0.1	0.04	2.6	<0.1	<0.05	10	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356261	Soil	0.5	7.4	7.7	73	0.2	5.4	5.6	357	1.86	5.3	<0.5	0.3	12	0.3	<0.1	0.1	52	0.32	0.075	3
1356262	Soil	0.5	6.6	4.7	94	0.1	5.7	6.1	287	1.46	3.7	<0.5	0.4	15	0.4	<0.1	<0.1	44	0.25	0.046	3
1356263	Soil	0.6	11.5	7.8	146	0.2	12.4	8.4	378	1.74	2.2	<0.5	0.6	13	0.3	<0.1	0.1	53	0.27	0.032	3
1356264	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1356265	Soil	0.8	47.1	4.9	133	0.2	34.6	16.2	594	3.44	9.6	0.6	1.5	21	0.5	0.6	<0.1	92	0.44	0.049	6
1356266	Soil	0.8	20.6	6.0	71	0.2	17.3	8.8	529	2.23	5.7	1.3	1.2	20	0.4	0.3	<0.1	65	0.35	0.037	5
1356267	Soil	1.3	32.1	6.1	154	0.3	28.7	13.1	596	3.59	9.1	0.6	1.2	24	0.7	0.4	0.1	89	0.44	0.112	6
1356268	Soil	0.7	14.2	7.7	50	0.2	10.3	5.3	485	1.22	3.3	2.2	0.5	18	0.7	0.3	<0.1	37	0.26	0.048	4
1356269	Soil	1.7	104.0	14.1	154	0.7	51.3	16.0	442	2.74	5.7	3.0	1.1	201	1.7	0.9	0.2	53	2.21	0.097	11
1356270	Soil	2.6	20.5	4.9	35	0.3	22.6	11.8	1354	2.15	21.8	1.7	0.4	118	1.0	0.3	0.1	54	1.24	0.094	8
1356271	Soil	0.7	17.3	6.1	53	0.5	23.4	7.4	186	2.42	3.4	2.7	1.6	21	0.3	0.2	0.1	54	0.26	0.095	10
1356272	Soil	0.8	23.5	4.7	43	0.2	30.7	10.3	239	2.13	3.8	1.6	3.2	20	0.2	0.2	<0.1	48	0.24	0.075	11
1356273	Soil	0.7	24.4	4.4	41	0.2	34.5	10.7	238	2.14	3.8	0.9	3.4	18	0.2	0.3	<0.1	50	0.26	0.070	11
1356274	Soil	0.9	7.3	6.3	34	0.3	191.0	15.0	184	2.13	1.6	1.4	0.8	16	0.3	0.1	0.2	41	0.16	0.054	5
1356275	Soil	0.9	14.8	6.7	44	0.4	17.5	6.0	159	1.92	2.0	1.4	0.8	20	0.4	0.2	0.2	60	0.24	0.031	9
1356276	Soil	2.7	42.3	10.2	142	0.9	41.8	13.4	299	4.36	6.3	1.0	2.8	24	0.5	0.5	0.2	76	0.28	0.045	8
1356277	Soil	1.1	18.4	7.9	105	0.3	21.0	9.4	385	2.30	4.5	1.4	2.0	16	0.3	0.2	0.2	58	0.17	0.054	7
1356278	Soil	1.1	44.4	5.7	78	<0.1	36.7	14.1	485	2.15	4.8	3.6	3.0	36	0.5	0.7	<0.1	52	0.48	0.088	12
1356279	Soil	1.0	29.4	6.2	139	0.3	33.7	12.5	453	2.99	6.0	1.5	2.0	58	1.0	0.4	0.2	67	0.52	0.290	7
1356280	Soil	1.2	48.4	6.2	88	0.4	44.2	14.3	314	2.66	4.8	1.9	1.6	124	1.2	0.5	0.1	61	1.19	0.048	9
1356281	Soil	1.2	34.0	5.6	115	0.2	36.9	14.0	430	2.66	4.8	2.1	2.4	45	0.8	0.4	0.1	62	0.44	0.114	9
1356282	Soil	0.6	12.1	4.9	112	0.3	20.1	8.0	483	1.58	1.5	<0.5	1.8	33	0.6	0.2	0.1	45	0.32	0.047	7
1356283	Soil	0.7	13.3	6.1	98	0.4	11.2	6.3	613	1.24	2.2	0.8	0.9	27	0.6	0.2	<0.1	30	0.25	0.171	3
1356284	Soil	1.9	49.4	7.1	87	0.1	44.0	14.1	204	3.04	5.3	2.4	2.0	27	0.6	0.6	0.1	74	0.23	0.032	7
1356285	Soil	0.6	13.7	5.6	142	0.6	18.6	8.4	274	1.93	2.8	0.9	1.3	51	0.6	0.2	0.1	52	0.39	0.155	6
1356286	Soil	0.7	20.6	6.0	219	0.5	35.3	11.2	338	2.15	2.4	1.1	1.7	26	0.6	0.3	0.1	64	0.24	0.075	7
1356287	Soil	2.1	21.5	7.1	128	0.5	17.1	9.7	304	2.07	2.7	0.8	0.9	17	0.6	0.4	0.1	59	0.25	0.082	4
1356288	Soil	0.5	37.2	5.4	79	0.1	78.1	16.1	334	3.71	7.6	6.1	1.3	53	0.3	0.2	<0.1	93	0.62	0.305	6
1356289	Soil	6.0	120.2	10.0	52	1.2	120.1	52.1	5899	7.49	22.4	4.7	1.5	76	0.4	0.2	0.2	188	1.42	0.123	12
1356290	Soil	0.4	44.8	6.3	82	<0.1	109.5	19.9	698	3.87	3.4	1.9	1.6	36	0.2	0.1	<0.1	110	0.48	0.114	6

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Project: None Given
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS VAN11004668.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356261	Soil	13	0.18	63	0.072	<20	1.08	0.013	0.04	<0.1	0.05	1.5	<0.1	<0.05	7	<0.5	<0.2
1356262	Soil	10	0.11	63	0.056	<20	0.84	0.014	0.04	<0.1	0.05	1.8	<0.1	<0.05	5	<0.5	<0.2
1356263	Soil	17	0.30	75	0.044	<20	1.30	0.017	0.04	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
1356264	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1356265	Soil	49	0.93	95	0.139	<20	2.54	0.009	0.08	<0.1	0.04	4.9	<0.1	<0.05	7	<0.5	<0.2
1356266	Soil	27	0.44	73	0.115	<20	1.38	0.011	0.06	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1356267	Soil	47	0.78	127	0.116	<20	2.15	0.010	0.08	0.1	0.05	3.6	<0.1	<0.05	9	<0.5	<0.2
1356268	Soil	18	0.22	80	0.051	<20	0.79	0.008	0.05	<0.1	0.08	1.5	<0.1	0.05	3	<0.5	<0.2
1356269	Soil	71	0.83	116	0.071	<20	1.72	0.018	0.14	0.1	0.16	3.9	0.2	0.11	5	3.8	<0.2
1356270	Soil	40	0.51	109	0.049	<20	1.40	0.012	0.06	<0.1	0.07	2.2	<0.1	0.08	4	1.4	<0.2
1356271	Soil	49	0.55	87	0.083	<20	1.43	0.012	0.07	0.1	0.04	2.1	<0.1	<0.05	6	<0.5	<0.2
1356272	Soil	49	0.57	84	0.090	<20	1.46	0.011	0.08	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1356273	Soil	49	0.63	80	0.099	<20	1.39	0.012	0.09	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1356274	Soil	84	1.78	85	0.065	<20	0.93	0.005	0.04	0.1	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
1356275	Soil	41	0.47	97	0.092	<20	1.40	0.006	0.05	0.1	0.02	1.8	<0.1	<0.05	7	<0.5	<0.2
1356276	Soil	62	0.74	103	0.107	<20	2.40	0.006	0.10	0.2	0.05	2.5	<0.1	<0.05	7	0.7	<0.2
1356277	Soil	39	0.51	83	0.081	<20	1.36	0.008	0.07	0.1	0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
1356278	Soil	49	0.73	52	0.087	<20	1.17	0.012	0.09	0.2	0.02	2.9	0.1	<0.05	4	0.7	<0.2
1356279	Soil	59	0.71	146	0.060	<20	1.90	0.006	0.08	0.2	0.03	2.4	0.1	<0.05	6	0.7	<0.2
1356280	Soil	63	0.70	108	0.086	<20	1.84	0.011	0.07	0.1	0.05	2.9	0.1	<0.05	5	1.3	<0.2
1356281	Soil	68	0.82	130	0.074	<20	2.00	0.008	0.08	0.1	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
1356282	Soil	40	0.57	155	0.055	<20	1.17	0.007	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
1356283	Soil	21	0.21	110	0.043	<20	1.01	0.010	0.04	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1356284	Soil	75	0.93	115	0.051	<20	1.98	0.005	0.06	0.1	0.04	3.4	0.1	<0.05	6	1.4	<0.2
1356285	Soil	43	0.52	99	0.047	<20	1.43	0.006	0.06	<0.1	0.03	2.2	<0.1	<0.05	6	0.5	<0.2
1356286	Soil	71	0.95	148	0.037	<20	1.90	0.006	0.08	<0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
1356287	Soil	31	0.33	91	0.062	<20	1.18	0.007	0.05	<0.1	0.03	1.8	<0.1	<0.05	5	0.6	<0.2
1356288	Soil	87	1.12	128	0.079	<20	2.45	0.008	0.06	<0.1	0.03	3.0	<0.1	<0.05	7	<0.5	<0.2
1356289	Soil	98	1.34	256	0.060	<20	4.08	0.017	0.08	<0.1	0.18	8.9	0.1	0.05	10	1.2	<0.2
1356290	Soil	96	1.34	83	0.116	<20	3.03	0.009	0.09	<0.1	0.02	3.3	<0.1	<0.05	9	<0.5	<0.2

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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356291	Soil		0.4	34.0	4.8	75	<0.1	101.4	18.3	589	3.42	3.1	3.9	1.3	36	0.2	0.1	0.1	93	0.60	0.135	5
1356292	Soil		0.4	81.2	4.6	75	<0.1	127.9	22.4	480	4.06	3.3	2.2	1.1	37	0.1	<0.1	<0.1	134	0.59	0.066	4
1356293	Soil		0.7	78.3	5.8	73	0.3	38.5	16.3	1482	2.81	2.3	2.8	0.5	86	1.1	0.1	<0.1	101	1.20	0.213	4
1356294	Soil		0.8	96.3	6.4	62	0.5	160.2	21.7	716	3.96	8.7	3.2	0.9	72	0.3	0.2	0.1	104	1.30	0.066	12
1356295	Soil		0.4	22.4	5.4	54	<0.1	64.7	11.1	245	2.74	3.8	1.0	0.7	27	0.3	0.1	0.1	81	0.41	0.087	6
1356296	Soil		0.4	22.1	4.7	84	0.2	154.0	20.5	311	3.91	5.7	0.8	1.2	29	0.3	<0.1	<0.1	83	0.67	0.331	4
1356297	Soil		0.6	17.6	5.5	103	0.2	51.4	12.2	557	2.60	2.9	0.9	1.8	26	0.3	0.1	0.1	64	0.37	0.089	9
1356298	Soil		0.3	11.8	6.9	63	0.1	41.3	8.5	171	2.59	2.4	<0.5	1.6	19	0.1	<0.1	0.1	66	0.33	0.153	8
1356299	Soil		0.6	25.6	6.4	83	<0.1	49.4	15.1	399	3.47	5.0	<0.5	2.6	29	0.3	0.2	0.1	84	0.52	0.154	8
1356300	Soil		0.6	54.0	7.5	65	<0.1	68.5	19.6	488	4.17	8.0	3.5	3.3	47	0.1	0.3	0.1	97	0.52	0.055	11
1356301	Soil		0.3	3.3	3.9	12	0.1	1.1	1.4	95	0.35	<0.5	0.9	0.2	5	<0.1	<0.1	<0.1	17	0.09	0.013	2
1356302	Soil		1.3	26.2	5.6	142	0.4	31.3	11.6	239	2.44	3.7	1.6	2.6	15	0.3	0.5	0.1	41	0.18	0.046	8
1356303	Soil		2.4	22.5	10.2	38	1.0	30.8	9.0	177	2.96	6.2	<0.5	1.7	67	0.8	0.9	0.2	49	1.13	0.033	14
1356304	Soil		1.8	18.3	6.8	143	0.4	27.8	8.9	271	2.46	3.8	0.9	2.1	21	1.5	0.3	0.1	48	0.23	0.044	12
1356305	Soil		1.5	24.9	9.0	198	1.6	22.3	17.5	2675	2.38	5.9	2.4	0.8	33	5.1	0.4	0.2	57	0.40	0.072	6
1356306	Soil		1.4	19.6	9.8	126	1.0	21.4	9.0	309	2.62	5.1	<0.5	2.5	20	1.0	0.3	0.2	54	0.19	0.091	9
1356307	Soil		0.6	4.9	6.4	37	0.3	3.8	2.9	567	0.50	0.9	0.7	0.2	20	1.1	<0.1	0.1	18	0.26	0.018	6
1356308	Soil		3.0	15.0	9.5	147	0.9	18.6	5.9	185	2.28	5.0	1.2	2.8	24	1.1	0.7	0.2	60	0.23	0.023	11
1356309	Soil		1.6	15.7	7.1	37	0.2	25.9	8.3	137	2.51	2.9	<0.5	3.0	13	0.2	0.2	0.2	48	0.10	0.025	8
1356310	Soil		2.1	24.8	4.5	23	0.6	21.9	4.1	2107	0.86	1.8	1.6	0.3	191	0.7	0.6	0.2	12	3.08	0.074	24
1356311	Soil		1.9	18.1	7.4	51	0.6	27.9	7.8	184	2.44	3.8	1.4	2.5	19	0.2	0.3	0.2	41	0.19	0.042	11
1356312	Soil		1.0	20.7	5.0	34	0.2	28.2	8.6	174	1.64	3.5	2.8	3.6	19	0.1	0.2	0.1	32	0.21	0.059	10
1356313	Soil		1.0	8.4	5.3	41	0.2	12.2	5.0	898	1.18	1.7	<0.5	1.5	16	0.3	0.1	0.1	28	0.16	0.049	8
1356314	Soil		1.3	21.7	8.3	83	0.3	31.6	11.5	342	2.66	3.7	1.5	3.5	20	0.3	0.2	0.2	46	0.21	0.086	13
1356315	Soil		0.9	11.8	7.7	56	0.4	20.1	7.0	270	1.58	1.8	<0.5	1.4	20	0.2	0.1	0.2	36	0.20	0.032	11
1356316	Soil		1.0	11.2	7.4	49	0.2	17.3	5.9	203	1.88	3.1	1.6	2.1	20	0.2	0.1	0.2	37	0.21	0.075	9
1356317	Soil		0.9	11.4	6.7	38	0.2	12.0	5.8	335	1.61	1.7	<0.5	0.9	13	0.2	<0.1	0.2	35	0.11	0.042	10
1356318	Soil		0.8	9.6	6.8	32	0.3	17.9	5.4	154	1.41	1.8	<0.5	1.1	25	0.1	<0.1	0.2	36	0.25	0.034	12
1356319	Soil		0.7	32.3	3.7	56	0.1	34.8	12.2	499	2.10	2.0	1.3	1.6	36	0.3	0.2	<0.1	39	0.43	0.089	9
1356320	Soil		15.7	5.8	7.5	6	<0.1	2.7	1.1	4106	0.21	0.7	0.9	<0.1	225	0.2	0.2	<0.1	2	3.26	0.095	<1

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356291	Soil	98	1.29	75	0.103	<20	2.23	0.008	0.14	<0.1	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
1356292	Soil	100	1.53	66	0.145	<20	3.67	0.011	0.08	<0.1	0.02	3.2	<0.1	<0.05	9	<0.5	<0.2
1356293	Soil	45	0.60	91	0.102	<20	3.10	0.075	0.10	<0.1	0.08	3.0	<0.1	<0.05	7	1.0	<0.2
1356294	Soil	106	2.10	95	0.092	<20	3.65	0.018	0.08	<0.1	0.10	6.4	<0.1	<0.05	9	0.9	<0.2
1356295	Soil	93	0.86	69	0.093	<20	1.32	0.009	0.05	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
1356296	Soil	116	1.78	82	0.096	<20	2.38	0.010	0.06	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
1356297	Soil	59	0.79	97	0.083	<20	1.81	0.010	0.08	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
1356298	Soil	72	0.63	70	0.096	<20	1.35	0.007	0.07	<0.1	0.02	2.1	<0.1	<0.05	7	<0.5	<0.2
1356299	Soil	57	0.90	59	0.097	<20	2.24	0.008	0.10	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
1356300	Soil	67	1.39	64	0.117	<20	2.67	0.013	0.13	<0.1	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
1356301	Soil	3	0.04	21	0.048	<20	0.23	0.009	0.03	<0.1	0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
1356302	Soil	41	0.63	108	0.079	<20	1.80	0.007	0.07	0.1	0.03	2.2	<0.1	<0.05	4	0.6	<0.2
1356303	Soil	58	0.36	82	0.083	<20	2.71	0.010	0.08	0.3	0.11	2.6	0.1	<0.05	6	1.8	<0.2
1356304	Soil	48	0.68	88	0.065	<20	1.45	0.006	0.09	<0.1	0.02	2.0	0.1	<0.05	5	0.6	<0.2
1356305	Soil	49	0.39	326	0.083	<20	1.23	0.007	0.09	<0.1	0.04	2.4	0.2	<0.05	6	0.8	<0.2
1356306	Soil	41	0.49	129	0.076	<20	1.42	0.007	0.10	0.1	0.04	2.0	0.1	<0.05	7	1.0	<0.2
1356307	Soil	10	0.10	105	0.037	<20	0.37	0.008	0.07	<0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
1356308	Soil	36	0.43	80	0.076	<20	1.25	0.006	0.09	<0.1	0.04	1.8	0.2	<0.05	7	0.8	<0.2
1356309	Soil	42	0.43	75	0.088	<20	1.57	0.005	0.07	0.7	0.03	1.7	<0.1	<0.05	5	0.7	<0.2
1356310	Soil	17	0.23	92	0.020	<20	0.82	0.004	0.05	0.1	0.22	0.8	0.1	0.17	2	1.9	<0.2
1356311	Soil	43	0.50	79	0.078	<20	1.46	0.006	0.06	0.2	0.04	1.7	<0.1	<0.05	4	0.6	<0.2
1356312	Soil	36	0.46	50	0.064	<20	1.26	0.006	0.08	0.2	0.04	1.7	0.1	<0.05	3	0.6	<0.2
1356313	Soil	23	0.26	99	0.056	<20	0.69	0.003	0.06	0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1356314	Soil	52	0.68	108	0.088	<20	1.85	0.006	0.14	0.2	0.03	2.1	0.1	<0.05	6	0.5	<0.2
1356315	Soil	39	0.56	75	0.093	<20	1.24	0.007	0.10	0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1356316	Soil	33	0.37	89	0.068	<20	1.06	0.006	0.07	0.6	0.04	1.3	<0.1	<0.05	5	<0.5	<0.2
1356317	Soil	33	0.28	60	0.061	<20	1.17	0.007	0.06	<0.1	0.05	1.1	<0.1	<0.05	5	<0.5	<0.2
1356318	Soil	38	0.51	92	0.082	<20	1.09	0.008	0.07	0.1	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
1356319	Soil	65	0.88	60	0.091	<20	1.32	0.010	0.09	0.1	0.02	2.4	<0.1	0.05	3	0.8	<0.2
1356320	Soil	6	0.23	141	0.003	<20	0.09	0.023	0.04	0.1	0.12	<0.1	<0.1	0.78	<1	0.7	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356321	Soil	10.1	10.7	5.0	15	0.1	9.7	2.3	2081	0.35	2.6	<0.5	0.1	142	0.3	0.2	<0.1	4	2.69	0.078	2
1356322	Soil	16.0	6.3	4.6	9	0.1	8.9	4.6	>10000	0.56	1.2	<0.5	0.1	239	0.4	0.3	<0.1	4	3.21	0.122	<1
1356323	Soil	0.9	10.1	8.3	40	0.2	17.5	5.8	136	2.39	2.0	<0.5	1.5	19	<0.1	<0.1	0.1	55	0.18	0.074	9
1356324	Soil	0.7	14.6	7.9	72	0.3	21.0	8.4	199	2.54	1.6	<0.5	2.7	22	0.2	<0.1	0.2	50	0.19	0.165	7
1356325	Soil	0.7	43.2	5.6	64	0.5	35.5	17.7	558	3.53	2.5	3.6	1.8	36	0.2	<0.1	0.1	70	0.41	0.162	9
1356326	Soil	0.9	42.4	6.2	66	0.2	50.9	15.1	502	3.09	3.4	0.7	3.3	31	0.2	0.1	0.1	58	0.36	0.116	11
1356327	Soil	1.0	47.7	8.4	93	0.7	51.1	21.2	399	4.29	4.1	<0.5	4.7	28	0.2	0.1	0.2	68	0.25	0.144	11
1356328	Soil	0.4	8.3	7.5	40	0.1	17.6	5.5	166	1.43	0.8	1.1	2.0	20	0.1	<0.1	0.2	33	0.22	0.049	12
1356329	Soil	0.5	38.0	4.5	49	<0.1	41.1	13.0	377	2.80	1.7	<0.5	3.7	34	<0.1	<0.1	0.1	57	0.41	0.066	13
1356330	Soil	0.7	28.5	5.5	74	0.2	37.8	13.8	320	2.75	2.0	<0.5	3.0	34	0.1	0.1	0.1	52	0.33	0.083	11
1356331	Soil	0.7	10.7	7.4	98	0.3	16.8	10.0	209	1.79	1.3	0.6	3.3	15	0.2	<0.1	0.2	32	0.15	0.105	13
1356332	Soil	5.4	12.3	3.4	22	0.1	14.4	19.2	5602	3.51	10.6	<0.5	0.2	138	0.5	0.1	<0.1	7	3.04	0.097	2
1356333	Soil	1.3	7.6	8.0	38	<0.1	4.7	1.1	388	0.22	1.2	0.9	<0.1	107	0.1	0.2	<0.1	4	2.07	0.076	<1
1356334	Soil	1.6	8.3	2.3	14	0.1	6.1	7.8	5190	6.82	5.8	<0.5	0.2	132	0.2	0.1	<0.1	5	2.77	0.307	<1
1356335	Soil	5.0	11.2	6.7	14	<0.1	12.3	11.4	7693	10.24	4.5	1.1	0.2	118	0.3	0.1	<0.1	8	1.67	0.355	1
1356336	Soil	2.1	55.8	8.1	80	0.1	65.3	22.5	913	4.34	4.7	5.3	2.8	76	0.2	0.2	0.3	74	0.87	0.089	14
1356337	Soil	10.1	6.8	7.3	6	<0.1	5.0	1.6	2439	0.33	0.8	0.8	<0.1	224	0.2	0.1	<0.1	4	3.02	0.092	<1
1356338	Soil	1.2	4.8	8.4	12	<0.1	5.1	1.5	>10000	0.17	1.0	<0.5	<0.1	164	0.2	0.1	<0.1	3	2.47	0.133	<1
1356339	Soil	0.9	4.2	14.2	9	<0.1	4.9	2.0	4261	0.33	0.8	1.0	<0.1	167	0.2	0.1	<0.1	3	2.66	0.124	<1
1356340	Soil	1.0	23.2	8.3	68	0.2	31.4	11.5	365	2.51	3.2	1.2	4.1	20	0.2	0.1	0.2	44	0.21	0.062	15
1356341	Soil	1.3	18.0	9.3	91	0.5	30.9	10.7	335	3.16	3.2	1.1	4.1	20	0.2	<0.1	0.2	55	0.21	0.124	15
1356342	Soil	0.7	24.2	8.7	77	0.4	33.7	9.4	267	2.48	1.6	1.1	4.5	22	0.1	<0.1	0.2	45	0.22	0.050	15
1356343	Soil	1.3	24.2	7.8	69	0.4	34.5	12.1	285	2.84	4.2	0.8	5.1	21	0.3	0.1	0.2	47	0.20	0.090	14
1356344	Soil	1.1	12.1	6.7	46	0.1	26.7	9.6	200	2.03	2.2	9.8	3.3	20	0.2	<0.1	0.1	40	0.22	0.039	13
1356345	Soil	0.8	5.9	5.4	43	0.2	12.2	4.1	174	1.26	1.3	1.5	1.6	17	0.2	<0.1	0.1	35	0.15	0.032	13
1356346	Soil	1.2	6.1	8.0	44	0.5	10.7	4.6	227	1.35	1.2	0.8	1.7	11	0.2	<0.1	0.2	31	0.11	0.056	8
1356347	Soil	0.9	6.8	5.4	38	0.2	9.8	4.2	246	1.10	1.5	<0.5	1.0	16	0.2	0.1	0.2	23	0.14	0.045	6
1356348	Soil	1.1	4.4	6.3	30	0.5	5.6	2.8	232	0.74	1.3	<0.5	0.6	12	0.2	0.1	0.2	20	0.11	0.018	5
1356349	Soil	1.5	33.5	8.3	79	0.3	28.5	10.8	458	2.18	6.5	3.0	3.0	29	0.5	0.7	0.2	30	0.33	0.066	11
1356350	Soil	1.5	36.0	8.1	80	0.4	30.4	10.5	393	2.15	6.6	1.8	2.9	27	0.5	0.8	0.2	29	0.28	0.066	12

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356321	Soil	7	0.21	101	0.004	<20	0.18	0.024	0.02	<0.1	0.24	0.2	<0.1	0.23	<1	0.7	<0.2
1356322	Soil	8	0.21	698	0.005	<20	0.21	0.016	0.03	2.1	0.40	0.2	0.1	0.33	<1	1.0	<0.2
1356323	Soil	42	0.51	55	0.093	<20	1.18	0.005	0.06	0.1	0.04	1.4	<0.1	<0.05	6	<0.5	<0.2
1356324	Soil	53	0.58	95	0.093	<20	1.52	0.005	0.07	<0.1	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
1356325	Soil	62	1.34	114	0.119	<20	2.20	0.007	0.33	0.3	0.05	2.7	0.1	<0.05	6	<0.5	<0.2
1356326	Soil	86	1.20	98	0.114	<20	2.00	0.007	0.18	0.1	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
1356327	Soil	79	1.17	130	0.143	<20	3.18	0.008	0.25	0.1	0.09	3.4	0.2	<0.05	7	0.9	<0.2
1356328	Soil	40	0.59	78	0.101	<20	1.23	0.006	0.10	<0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
1356329	Soil	73	1.29	61	0.151	<20	1.79	0.009	0.34	<0.1	0.01	2.9	0.2	<0.05	5	<0.5	<0.2
1356330	Soil	66	1.06	84	0.118	<20	1.75	0.007	0.16	0.1	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
1356331	Soil	32	0.35	123	0.055	<20	1.34	0.007	0.08	0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1356332	Soil	6	0.19	249	0.003	<20	0.15	0.016	0.02	<0.1	0.20	0.3	0.1	0.18	<1	0.9	<0.2
1356333	Soil	6	0.15	87	0.004	<20	0.10	0.009	0.05	<0.1	0.44	0.3	<0.1	0.18	<1	<0.5	<0.2
1356334	Soil	6	0.18	461	0.004	<20	0.11	0.011	0.02	<0.1	0.28	0.3	<0.1	0.23	<1	0.8	<0.2
1356335	Soil	15	0.17	734	0.008	<20	0.25	0.018	0.03	<0.1	0.19	0.5	<0.1	0.22	<1	0.9	<0.2
1356336	Soil	131	1.79	89	0.147	<20	2.47	0.020	0.23	0.2	0.02	3.7	0.2	<0.05	7	0.7	<0.2
1356337	Soil	5	0.25	123	0.004	<20	0.15	0.022	0.04	<0.1	0.16	0.1	<0.1	0.39	<1	<0.5	<0.2
1356338	Soil	10	0.23	232	0.003	<20	0.08	0.027	0.07	<0.1	0.12	<0.1	<0.1	0.25	<1	<0.5	<0.2
1356339	Soil	9	0.23	117	0.003	<20	0.08	0.020	0.08	<0.1	0.16	<0.1	<0.1	0.30	<1	0.5	<0.2
1356340	Soil	51	0.74	94	0.091	<20	1.74	0.008	0.18	0.1	0.03	2.3	0.2	<0.05	5	0.6	<0.2
1356341	Soil	62	0.89	110	0.093	<20	1.97	0.008	0.17	<0.1	0.05	2.4	0.1	<0.05	7	<0.5	<0.2
1356342	Soil	65	1.02	101	0.123	<20	2.22	0.008	0.25	<0.1	0.04	2.7	0.2	<0.05	7	<0.5	<0.2
1356343	Soil	59	0.74	95	0.089	<20	2.02	0.007	0.12	0.1	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
1356344	Soil	45	0.64	58	0.094	<20	1.39	0.009	0.11	0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
1356345	Soil	27	0.31	62	0.071	<20	0.82	0.007	0.07	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
1356346	Soil	24	0.27	83	0.061	<20	0.77	0.006	0.06	<0.1	0.03	1.0	<0.1	<0.05	5	<0.5	<0.2
1356347	Soil	20	0.18	40	0.055	<20	0.43	0.003	0.05	0.2	0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
1356348	Soil	12	0.12	66	0.044	<20	0.40	0.005	0.04	0.4	0.02	0.6	<0.1	<0.05	4	<0.5	<0.2
1356349	Soil	33	0.59	78	0.047	<20	1.21	0.007	0.10	0.1	0.04	1.8	0.1	<0.05	4	0.8	<0.2
1356350	Soil	33	0.57	70	0.045	<20	1.15	0.006	0.10	0.1	0.04	1.7	0.1	<0.05	4	0.8	<0.2

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Project: None Given
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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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356351	Soil		5.7	147.5	8.9	126	1.5	43.5	19.4	5978	3.84	42.9	2.8	0.5	103	3.0	2.2	0.2	69	2.55	0.139	15
1356352	Soil		1.1	20.8	5.0	54	1.1	10.5	6.5	659	1.85	9.0	<0.5	0.2	24	0.7	0.3	0.1	46	0.44	0.041	4
1356353	Soil		0.9	12.9	6.4	114	0.3	16.1	9.5	279	2.98	15.9	<0.5	0.7	13	0.3	0.4	0.2	80	0.25	0.073	4
1356354	Soil		0.8	12.0	4.2	90	0.1	14.3	7.1	288	2.16	6.0	0.7	0.7	16	0.3	0.4	<0.1	58	0.29	0.039	4
1356355	Soil		0.4	7.6	4.1	40	0.1	5.0	3.1	156	0.87	6.0	<0.5	0.4	9	0.3	0.2	<0.1	30	0.17	0.021	3
1356356	Soil		1.5	105.6	7.3	104	0.2	36.8	20.5	695	3.84	13.3	4.1	2.1	27	0.4	1.2	0.1	80	0.62	0.071	9
1356357	Soil		1.1	27.8	6.3	177	0.6	30.9	9.6	270	2.42	4.7	4.2	1.7	15	0.6	0.5	0.1	55	0.14	0.082	8
1356358	Soil		0.8	5.7	5.3	37	0.2	5.7	2.5	93	0.84	1.3	0.7	0.7	14	0.3	0.3	0.1	35	0.14	0.024	7
1356359	Soil		1.5	158.6	9.0	149	2.1	63.9	13.6	1719	2.08	2.5	3.5	0.7	102	6.2	1.0	0.2	39	1.01	0.059	16
1356360	Soil		1.0	19.7	6.0	77	0.3	24.5	9.1	266	1.93	3.6	2.9	1.4	13	0.6	0.4	0.1	52	0.16	0.057	8
1356361	Soil		1.2	32.2	5.9	173	0.3	31.5	13.9	825	2.84	6.2	1.6	1.6	15	1.0	0.5	0.1	64	0.19	0.154	6
1356362	Soil		0.5	12.2	6.5	69	0.2	10.5	5.7	113	1.43	4.1	20.3	1.5	23	0.7	0.2	0.1	38	0.27	0.127	6
1356363	Soil		0.7	16.8	6.0	94	0.2	20.6	7.6	163	2.15	3.4	0.9	1.6	14	0.6	0.3	0.1	54	0.19	0.085	6
1356364	Soil		1.0	37.9	6.2	72	0.1	32.7	10.0	242	2.06	4.1	2.3	2.2	15	0.3	0.4	<0.1	46	0.20	0.053	8
1356365	Soil		1.1	40.1	5.8	140	0.1	43.2	13.2	571	2.02	3.4	2.8	2.0	19	0.8	0.5	<0.1	43	0.25	0.093	7
1356366	Soil		0.5	6.2	5.6	43	0.2	4.8	2.6	85	0.90	2.1	<0.5	0.8	12	0.5	0.1	0.1	35	0.16	0.035	5
1356367	Soil		0.4	6.7	6.3	79	0.2	11.3	4.5	133	1.01	1.1	0.7	1.0	16	0.4	<0.1	0.1	27	0.17	0.054	7
1356368	Soil		0.4	2.5	4.8	20	0.2	3.5	2.5	524	0.53	0.6	<0.5	0.4	10	0.2	<0.1	0.1	21	0.09	0.019	5
1356369	Soil		0.4	5.4	5.3	29	0.2	7.9	3.0	82	0.95	1.4	<0.5	1.2	11	0.2	<0.1	0.1	28	0.11	0.035	8
1356370	Soil		0.7	20.3	5.5	84	0.2	29.8	12.0	314	1.93	3.0	1.5	1.8	20	0.4	0.2	0.1	45	0.28	0.095	5
1356371	Soil		0.8	19.2	5.4	41	0.2	21.3	6.3	183	1.94	4.9	84.1	2.7	18	0.2	0.3	0.1	41	0.24	0.120	7
1356372	Soil		1.3	84.5	7.6	38	0.5	33.4	8.8	152	1.61	2.7	2.5	0.9	40	0.3	0.3	0.2	42	0.50	0.031	20
1356373	Soil		1.6	17.3	6.4	42	0.2	25.7	7.0	163	1.92	3.6	1.5	2.2	15	0.3	0.3	0.2	43	0.13	0.028	7
1356374	Soil		0.6	13.3	4.6	41	0.1	10.0	4.1	238	1.14	1.6	2.2	1.4	20	0.2	0.2	<0.1	37	0.26	0.026	7
1356375	Soil		1.7	58.2	8.9	77	1.0	38.0	11.4	319	2.50	5.5	1.8	1.9	52	1.9	0.5	0.2	45	0.63	0.036	16
1356376	Soil		4.9	74.4	11.1	119	1.0	50.9	19.2	2002	3.40	7.8	2.9	1.6	73	1.9	0.5	0.3	61	1.04	0.066	18
1356377	Soil		1.1	8.3	7.6	91	0.2	19.9	6.5	521	2.05	1.1	1.1	1.8	39	0.2	0.1	<0.1	28	0.51	0.070	9
1356378	Soil		1.3	14.8	8.0	131	0.7	31.2	11.2	261	3.03	3.5	1.2	3.3	20	0.5	0.2	0.2	48	0.19	0.087	10
1356379	Soil		0.8	9.5	6.3	55	0.4	13.4	4.5	242	1.39	1.6	2.0	1.5	15	0.1	0.1	0.2	30	0.16	0.058	9
1356380	Soil		1.1	16.3	5.9	68	0.6	19.8	6.4	226	1.92	3.8	1.4	2.4	14	0.3	0.3	0.1	36	0.13	0.064	10

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	Analyte	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
	MDL	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
1356351	Soil	113	0.43	165	0.036	<20	2.21	0.013	0.07	0.2	0.31	6.3	0.2	0.16	5	6.3	<0.2
1356352	Soil	16	0.14	53	0.054	<20	1.51	0.010	0.03	<0.1	0.08	1.9	<0.1	<0.05	4	<0.5	<0.2
1356353	Soil	37	0.38	83	0.063	<20	1.73	0.006	0.05	<0.1	0.03	2.0	<0.1	<0.05	9	<0.5	<0.2
1356354	Soil	24	0.36	63	0.068	<20	1.34	0.007	0.04	0.1	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
1356355	Soil	9	0.11	48	0.057	<20	0.45	0.007	0.02	<0.1	0.04	1.0	<0.1	<0.05	4	<0.5	<0.2
1356356	Soil	56	0.95	87	0.129	<20	1.84	0.011	0.08	0.2	0.06	6.3	<0.1	<0.05	6	0.8	<0.2
1356357	Soil	49	0.69	217	0.046	<20	1.68	0.005	0.05	<0.1	0.14	2.4	0.1	<0.05	6	<0.5	<0.2
1356358	Soil	15	0.12	44	0.052	<20	0.58	0.006	0.03	<0.1	0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
1356359	Soil	67	0.58	92	0.052	<20	1.58	0.016	0.05	0.1	0.26	4.5	0.2	<0.05	4	1.9	<0.2
1356360	Soil	46	0.52	81	0.071	<20	1.14	0.006	0.05	0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1356361	Soil	51	0.57	121	0.071	<20	1.51	0.005	0.05	0.2	0.03	2.2	0.1	<0.05	6	<0.5	<0.2
1356362	Soil	24	0.22	66	0.072	<20	0.70	0.006	0.06	<0.1	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
1356363	Soil	34	0.39	55	0.075	<20	1.12	0.006	0.04	0.2	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
1356364	Soil	42	0.57	64	0.074	<20	1.32	0.005	0.05	0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1356365	Soil	43	0.53	95	0.056	<20	1.28	0.007	0.06	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1356366	Soil	13	0.11	30	0.066	<20	0.48	0.007	0.03	<0.1	0.02	0.8	<0.1	<0.05	4	<0.5	<0.2
1356367	Soil	21	0.22	43	0.051	<20	0.74	0.006	0.04	<0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1356368	Soil	11	0.08	48	0.049	<20	0.35	0.008	0.03	<0.1	0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
1356369	Soil	18	0.19	40	0.066	<20	0.57	0.006	0.04	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1356370	Soil	43	0.45	75	0.069	<20	1.28	0.009	0.08	0.1	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1356371	Soil	36	0.39	61	0.059	<20	1.11	0.005	0.06	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1356372	Soil	50	0.44	81	0.055	<20	1.56	0.008	0.05	0.2	0.06	3.1	<0.1	<0.05	5	1.3	<0.2
1356373	Soil	39	0.35	70	0.068	<20	1.16	0.006	0.06	0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1356374	Soil	23	0.27	49	0.066	<20	0.66	0.006	0.06	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1356375	Soil	54	0.52	118	0.067	<20	1.70	0.011	0.13	0.2	0.09	3.3	0.1	<0.05	5	1.0	<0.2
1356376	Soil	68	0.80	191	0.075	<20	2.50	0.014	0.29	0.1	0.18	4.3	0.3	<0.05	7	1.3	<0.2
1356377	Soil	43	0.64	89	0.070	<20	1.25	0.009	0.10	<0.1	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
1356378	Soil	58	0.74	97	0.073	<20	1.94	0.006	0.13	0.1	0.05	2.1	0.1	<0.05	6	<0.5	<0.2
1356379	Soil	26	0.34	88	0.052	<20	0.91	0.007	0.07	<0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
1356380	Soil	34	0.41	99	0.051	<20	1.27	0.005	0.10	<0.1	0.05	1.5	<0.1	<0.05	5	<0.5	<0.2

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Project: None Given
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS VAN11004668.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1356381	Soil	1.1	18.1	6.7	90	0.8	19.0	7.3	1107	1.63	3.0	1.5	1.4	30	0.4	0.4	0.1	34	0.22	0.049	8
1356382	Soil	4.0	15.6	6.2	74	0.5	16.7	5.3	159	1.65	3.5	1.0	2.0	12	0.3	0.6	0.2	35	0.12	0.064	8
1356383	Soil	1.5	4.1	4.7	11	0.3	3.7	1.1	35	0.47	0.7	<0.5	0.8	10	<0.1	0.2	0.1	21	0.08	0.008	6
1356384	Soil	1.4	15.1	8.0	66	0.6	23.6	8.0	159	2.76	3.6	<0.5	2.9	15	0.3	0.3	0.2	47	0.17	0.191	7
1356385	Soil	2.7	38.9	8.4	90	0.5	43.8	11.0	266	2.77	7.3	3.2	2.6	12	0.3	1.4	0.2	38	0.13	0.100	10
1356386	Soil	1.4	19.2	6.5	62	0.3	30.1	11.7	363	2.08	1.5	1.6	1.6	26	0.2	0.1	0.1	33	0.40	0.038	12
1356387	Soil	0.8	24.4	6.4	52	0.8	27.8	8.4	281	1.74	1.5	1.3	0.8	35	0.2	<0.1	0.2	26	0.59	0.076	20
1356388	Soil	1.9	25.2	6.1	57	0.3	29.1	9.0	179	1.56	0.9	1.0	0.9	33	0.4	<0.1	0.1	29	0.54	0.052	21
1356389	Soil	0.9	44.0	4.3	70	0.2	39.4	13.6	362	2.43	3.0	0.9	1.4	27	0.5	0.3	0.1	40	0.40	0.092	8
1356390	Soil	0.3	45.9	4.7	69	0.2	34.5	11.1	283	1.68	0.7	<0.5	1.4	47	0.9	0.1	<0.1	34	0.63	0.089	6
1356391	Soil	1.3	18.4	8.2	68	0.5	24.8	8.3	200	2.54	2.8	<0.5	4.0	11	0.2	<0.1	0.2	40	0.13	0.081	11
1356392	Soil	1.3	15.5	7.9	66	0.7	24.2	8.2	222	2.61	3.2	1.1	2.9	14	0.3	0.1	0.2	45	0.15	0.098	9
1356393	Soil	1.0	21.6	7.3	58	<0.1	27.8	11.7	298	2.32	2.8	1.9	5.4	17	0.2	0.2	0.1	37	0.18	0.036	17
1356394	Soil	1.0	23.5	6.4	46	0.2	29.6	9.7	242	2.01	3.4	1.1	3.8	15	0.2	0.1	0.2	33	0.15	0.060	11
1356395	Soil	3.1	44.1	5.4	75	0.3	10.1	7.5	195	2.72	196.1	0.6	1.2	6	0.2	12.9	<0.1	29	0.07	0.047	9
1356396	Soil	1.8	19.7	6.9	77	0.2	13.3	9.4	1230	2.26	16.2	0.9	0.8	13	0.5	1.2	0.1	51	0.29	0.060	5
1356397	Soil	2.3	47.2	7.7	116	0.1	28.5	16.1	639	3.67	25.8	<0.5	0.9	15	0.4	1.4	0.1	68	0.29	0.086	5
1356398	Soil	0.5	29.2	5.5	59	0.1	42.7	12.7	278	2.76	3.4	0.8	0.9	58	0.3	0.1	<0.1	81	0.46	0.046	7
1356399	Soil	2.4	134.3	12.4	80	0.6	171.3	43.4	2479	7.33	16.2	4.6	3.0	62	0.2	0.2	0.2	179	0.89	0.078	16
1356400	Soil	0.5	20.9	5.1	66	<0.1	51.0	13.3	734	2.80	2.7	0.6	0.8	36	0.4	0.1	<0.1	77	0.53	0.059	5

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Project: None Given
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS VAN11004668.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
1356381	Soil	27	0.31	149	0.047	<20	0.98	0.008	0.07	<0.1	0.04	1.3	<0.1	<0.05	5	<0.5	<0.2
1356382	Soil	26	0.33	72	0.044	<20	0.85	0.005	0.06	0.2	0.03	1.3	<0.1	<0.05	4	0.6	<0.2
1356383	Soil	9	0.06	53	0.036	<20	0.35	0.005	0.02	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
1356384	Soil	41	0.39	87	0.067	<20	1.62	0.005	0.06	0.2	0.05	1.9	<0.1	<0.05	5	0.5	<0.2
1356385	Soil	43	0.48	102	0.047	<20	1.51	0.005	0.09	0.2	0.04	2.2	0.1	<0.05	4	0.8	<0.2
1356386	Soil	50	0.70	118	0.074	<20	1.70	0.009	0.20	0.1	0.04	2.4	0.2	<0.05	5	1.3	<0.2
1356387	Soil	38	0.55	108	0.049	<20	1.46	0.008	0.18	<0.1	0.11	1.9	0.1	<0.05	4	<0.5	<0.2
1356388	Soil	43	0.61	111	0.052	<20	1.50	0.012	0.16	0.1	0.04	2.0	0.1	<0.05	4	0.5	<0.2
1356389	Soil	66	0.89	72	0.072	<20	1.34	0.007	0.11	0.3	0.04	2.7	0.1	<0.05	4	1.0	<0.2
1356390	Soil	68	0.97	90	0.059	<20	1.36	0.013	0.08	<0.1	0.03	2.4	0.1	0.10	4	0.8	<0.2
1356391	Soil	48	0.67	90	0.068	<20	1.62	0.007	0.13	0.1	0.05	2.1	0.1	<0.05	6	<0.5	<0.2
1356392	Soil	47	0.59	82	0.076	<20	1.51	0.007	0.10	0.2	0.06	2.1	<0.1	<0.05	6	<0.5	<0.2
1356393	Soil	48	0.76	76	0.092	<20	1.45	0.010	0.24	<0.1	0.01	2.9	0.2	<0.05	5	<0.5	<0.2
1356394	Soil	40	0.55	75	0.070	<20	1.35	0.008	0.16	0.2	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
1356395	Soil	14	0.20	115	0.005	<20	1.07	0.002	0.07	0.2	0.04	2.0	<0.1	<0.05	3	0.5	<0.2
1356396	Soil	24	0.31	174	0.023	<20	1.13	0.004	0.05	<0.1	0.03	2.0	<0.1	<0.05	4	0.5	<0.2
1356397	Soil	38	0.73	135	0.047	<20	2.04	0.005	0.07	<0.1	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
1356398	Soil	51	0.76	63	0.052	<20	1.87	0.009	0.04	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1356399	Soil	127	2.58	236	0.049	<20	5.73	0.014	0.12	<0.1	0.12	12.3	<0.1	<0.05	13	<0.5	<0.2
1356400	Soil	63	0.76	85	0.072	<20	1.43	0.008	0.05	<0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2

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Project: None Given
Report Date: October 13, 2011

QUALITY CONTROL REPORT VAN11004668.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1356225	Soil	1.6	7.7	5.7	14	<0.1	2.5	0.6	39	0.16	0.9	1.3	<0.1	104	0.5	0.2	<0.1	3	1.47	0.052	1
REP 1356225	QC	1.5	7.1	5.5	14	<0.1	2.4	0.5	36	0.15	1.1	<0.5	<0.1	100	0.5	0.2	<0.1	3	1.48	0.050	1
1356254	Soil	3.6	29.9	8.4	160	0.6	46.8	18.9	885	3.43	9.4	<0.5	1.0	47	1.1	0.1	0.2	58	0.60	0.159	13
REP 1356254	QC	3.5	30.7	8.0	163	0.6	48.4	20.0	877	3.45	9.7	1.0	0.9	47	1.1	0.2	0.2	61	0.59	0.152	13
1356286	Soil	0.7	20.6	6.0	219	0.5	35.3	11.2	338	2.15	2.4	1.1	1.7	26	0.6	0.3	0.1	64	0.24	0.075	7
REP 1356286	QC	0.7	20.3	5.8	219	0.5	35.7	11.4	332	2.24	2.3	1.8	1.7	26	0.5	0.3	0.1	64	0.24	0.076	7
1356317	Soil	0.9	11.4	6.7	38	0.2	12.0	5.8	335	1.61	1.7	<0.5	0.9	13	0.2	<0.1	0.2	35	0.11	0.042	10
REP 1356317	QC	0.8	11.2	6.5	36	0.2	11.9	6.0	332	1.62	1.7	<0.5	0.9	13	0.2	<0.1	0.2	35	0.11	0.043	11
1356346	Soil	1.2	6.1	8.0	44	0.5	10.7	4.6	227	1.35	1.2	0.8	1.7	11	0.2	<0.1	0.2	31	0.11	0.056	8
REP 1356346	QC	1.1	6.1	7.5	43	0.5	10.8	4.4	230	1.35	1.2	1.1	1.7	11	0.3	<0.1	0.2	29	0.10	0.056	8
1356397	Soil	2.3	47.2	7.7	116	0.1	28.5	16.1	639	3.67	25.8	<0.5	0.9	15	0.4	1.4	0.1	68	0.29	0.086	5
REP 1356397	QC	2.3	46.9	8.0	116	0.1	29.2	16.6	658	3.85	25.9	<0.5	0.9	15	0.4	1.4	0.2	71	0.31	0.089	4
Reference Materials																					
STD DS8	Standard	12.8	104.7	123.9	317	1.8	37.7	7.6	598	2.42	26.0	107.5	5.8	57	2.2	4.8	6.4	41	0.65	0.083	12
STD DS8	Standard	13.7	106.0	124.9	320	1.7	35.8	7.4	612	2.43	26.2	99.2	6.4	66	2.4	5.4	6.6	40	0.69	0.078	15
STD DS8	Standard	13.8	108.4	131.7	319	1.9	39.0	7.8	608	2.52	27.2	111.1	6.1	65	2.5	5.1	6.8	42	0.69	0.079	13
STD DS8	Standard	14.0	112.7	129.4	327	1.8	40.2	7.9	661	2.59	26.8	100.3	7.1	73	2.4	5.6	6.7	45	0.74	0.083	17
STD DS8	Standard	14.5	117.0	131.6	323	2.1	40.5	8.6	645	2.73	28.0	100.5	7.5	71	2.8	3.0	7.0	46	0.76	0.086	17
STD DS8	Standard	14.0	120.4	130.1	327	1.9	40.8	7.6	651	2.54	25.3	115.7	7.1	73	2.5	5.2	6.3	43	0.75	0.079	17
STD OREAS45CA	Standard	0.9	473.3	18.6	57	0.3	220.9	86.5	896	15.59	4.0	39.6	6.4	14	0.1	0.2	0.2	200	0.42	0.038	15
STD OREAS45CA	Standard	0.8	461.3	20.2	60	0.3	225.2	83.0	850	15.39	3.8	41.3	6.7	15	<0.1	<0.1	0.2	185	0.39	0.036	16
STD OREAS45CA	Standard	1.0	476.3	20.2	57	0.3	222.9	87.1	887	15.33	3.9	39.6	6.7	14	<0.1	0.1	0.2	196	0.39	0.035	15
STD OREAS45CA	Standard	0.7	525.5	20.9	63	0.3	250.7	89.6	940	16.66	3.9	45.9	7.4	15	0.1	<0.1	0.2	199	0.43	0.037	17
STD OREAS45CA	Standard	0.6	496.1	21.4	61	0.3	231.6	86.9	915	16.46	3.6	46.0	7.1	15	<0.1	<0.1	0.2	189	0.40	0.037	16
STD OREAS45CA	Standard	1.0	506.6	20.4	58	0.3	242.4	87.3	895	16.38	3.6	41.2	7.1	15	<0.1	0.1	0.2	195	0.40	0.034	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	0.08	14.6
STD OREAS45CA Expected		1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

Acme Analytical Laboratories (Vancouver) Ltd.
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Suite 1409 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: None Given
Report Date: October 13, 2011

QUALITY CONTROL REPORT VAN11004668.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	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
	MDL	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
Pulp Duplicates																	
1356225	Soil	4	0.09	38	0.006	<20	0.12	0.009	0.04	<0.1	0.19	0.2	<0.1	0.16	<1	0.5	<0.2
REP 1356225	QC	5	0.09	38	0.006	<20	0.12	0.009	0.04	<0.1	0.20	0.3	<0.1	0.19	<1	0.7	<0.2
1356254	Soil	86	1.07	117	0.056	<20	2.14	0.018	0.15	<0.1	0.07	3.1	0.1	0.05	5	1.3	<0.2
REP 1356254	QC	85	1.03	124	0.054	<20	2.09	0.017	0.15	<0.1	0.07	3.1	0.1	<0.05	6	1.5	<0.2
1356286	Soil	71	0.95	148	0.037	<20	1.90	0.006	0.08	<0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
REP 1356286	QC	69	0.92	147	0.036	<20	1.85	0.006	0.07	<0.1	0.03	3.2	0.1	<0.05	6	0.6	<0.2
1356317	Soil	33	0.28	60	0.061	<20	1.17	0.007	0.06	<0.1	0.05	1.1	<0.1	<0.05	5	<0.5	<0.2
REP 1356317	QC	33	0.27	60	0.061	<20	1.15	0.006	0.06	<0.1	0.05	1.0	<0.1	<0.05	5	<0.5	<0.2
1356346	Soil	24	0.27	83	0.061	<20	0.77	0.006	0.06	<0.1	0.03	1.0	<0.1	<0.05	5	<0.5	<0.2
REP 1356346	QC	23	0.27	79	0.059	<20	0.77	0.006	0.06	<0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
1356397	Soil	38	0.73	135	0.047	<20	2.04	0.005	0.07	<0.1	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
REP 1356397	QC	38	0.75	137	0.046	<20	2.05	0.004	0.07	<0.1	0.03	4.1	<0.1	<0.05	6	0.5	<0.2
Reference Materials																	
STD DS8	Standard	114	0.59	300	0.102	<20	0.88	0.086	0.42	2.3	0.24	2.2	5.4	0.15	5	4.7	4.7
STD DS8	Standard	116	0.63	292	0.109	<20	0.89	0.093	0.40	2.4	0.17	2.0	5.5	0.16	5	5.5	5.2
STD DS8	Standard	121	0.62	293	0.106	<20	0.90	0.082	0.40	3.0	0.20	1.8	5.7	0.18	5	5.6	4.8
STD DS8	Standard	119	0.65	310	0.121	<20	1.01	0.096	0.44	2.4	0.17	2.0	5.7	0.20	5	5.7	5.5
STD DS8	Standard	122	0.68	310	0.112	<20	1.00	0.098	0.45	2.3	0.19	2.4	5.8	0.19	5	5.4	5.1
STD DS8	Standard	124	0.64	307	0.121	<20	0.94	0.092	0.43	2.6	0.22	2.2	5.8	0.17	5	5.4	5.6
STD OREAS45CA	Standard	678	0.13	165	0.105	<20	3.26	0.012	0.07	<0.1	0.03	34.4	<0.1	<0.05	18	0.7	<0.2
STD OREAS45CA	Standard	653	0.14	161	0.122	<20	3.50	0.011	0.07	<0.1	0.02	33.4	<0.1	<0.05	18	1.1	<0.2
STD OREAS45CA	Standard	676	0.12	160	0.119	<20	3.18	0.010	0.06	<0.1	0.03	32.1	<0.1	<0.05	18	<0.5	<0.2
STD OREAS45CA	Standard	699	0.14	166	0.130	<20	3.89	0.011	0.07	<0.1	0.04	37.4	<0.1	<0.05	20	0.9	<0.2
STD OREAS45CA	Standard	709	0.14	161	0.110	<20	3.71	0.012	0.08	<0.1	0.04	35.8	<0.1	<0.05	18	0.8	<0.2
STD OREAS45CA	Standard	689	0.14	162	0.139	<20	3.66	0.011	0.07	<0.1	0.03	36.0	<0.1	<0.05	18	0.7	<0.2
STD DS8 Expected		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		709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank	<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

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QUALITY CONTROL REPORT VAN11004668.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001	1DX La ppm 1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Project: None Given
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QUALITY CONTROL REPORT VAN11004668.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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
		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	<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	<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	<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	<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	<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

605 000 mE
606 000 mE
607 000 mE
608 000 mE
5824000 mN
5823000 mN
5822000 mN
5821000 mN
5820000 mN
5819000 mN
581629
580553
580550
580543
831512
580540
580552
580546

Map Symbols

- Claim boundaries
- Elevation contour (20 m)
- Roads
- Waterways
- Lakes
- 1356698 Soil sample sites (number)

Geology

Nicola Group Rocks

- Nicola Group Basalts
- Sedimentary & volcanic rocks

TIEX INC

Appendix 1	Cedar-Louis Project
Date:6/12/2011	Soil Sample Numbers and Geology Plan Map
Author: S Wetherup	Likely Area, BC, Canada
Office: Vancouver	Caracle Creek
Drawing:	
Scale: 1:15000	Projection: UTM Zone 10, Northern Hemisphere (W GS 84)

0 125 250 500
metres

605,000 mE
606,000 mE
607,000 mE
608,000 mE
5,824,000 mN
5,823,000 mN
5,822,000 mN
5,821,000 mN
5,820,000 mN
5,819,000 mN
581,629
580,553
580,543
580,550
831,512
580,540
580,552
580,546

Map Symbols

- Claim boundaries
- Elevation contour (20 m)
- Roads
- Waterways
- Lakes
- 1.1 Soil sample sites (gold in ppb)

Geology

Nicola Group Rocks

- Nicola Group Basalts
- Sedimentary & volcanic rocks

TIEX INC

Appendix 1	Cedar-Louis Project
Date:6/12/2011	Gold in Soil (ppb) and Geology Plan Map
Author: S Wetherup	Likely Area, BC, Canada
Office: Vancouver	Caracle Creek
Drawing:	
Scale: 1:15000	Projection: UTM Zone 10, Northern Hemisphere (W GS 84)

0 125 250 500
metres

605,000 mE
606,000 mE
607,000 mE
608,000 mE
5,824,000 mN
5,823,000 mN
5,822,000 mN
5,821,000 mN
5,820,000 mN
5,819,000 mN
581,629
580,553
580,550
580,543
831,512
580,540
580,552
580,546

Map Symbols

- Claim boundaries
- Elevation contour (20 m)
- Roads
- Waterways
- Lakes
- 12.1 Soil sample sites (arsenic in ppm)

Geology

Nicola Group Rocks

- Nicola Group Basalts
- Sedimentary & volcanic rocks

TIEX INC

Appendix 1	Cedar-Louis Project
Date:6/12/2011	Arsenic in Soil (ppm) and Geology Plan Map
Author: S Wetherup	Likely Area, BC, Canada
Office: Vancouver	Caracle Creek
Drawing:	
Scale: 1:15000	Projection: UTM Zone 10, Northern Hemisphere (W GS 84)

0 125 250 500
metres