



Ministry of Energy, Mines & Petroleum Resources  
 Mining & Minerals Division  
 BC Geological Survey

Assessment Report  
 Title Page and Summary

TYPE OF REPORT [type of survey(s)]: GEOCHEMISTRY & GEOLOGICAL MAPPING

TOTAL COST: \$31,207.10

AUTHOR(S): Dustin Perry SIGNATURE(S): \_\_\_\_\_

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Not applicable YEAR OF WORK: 2012

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): Event #5430402 / February 5, 2013

PROPERTY NAME: GHOST

CLAIM NAME(S) (on which the work was done): 405663

COMMODITIES SOUGHT: Pb, Zn, Ag

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 082L NE 046

MINING DIVISION: Revelstoke NTS/BCGS: 082L/16E / 082L100

LATITUDE: 50 ° 54.8 ' \_\_\_\_\_ " LONGITUDE: 118 ° 0.7 ' \_\_\_\_\_ " (at centre of work)

OWNER(S):  
 1) Selkirk Metals Corp. 2) \_\_\_\_\_

MAILING ADDRESS:  
200-580 Hornby Street  
Vancouver, BC V6C 3B6

OPERATOR(S) [who paid for the work]:  
 1) Selkirk Metals Corp. 2) \_\_\_\_\_

MAILING ADDRESS:  
200-580 Hornby Street  
Vancouver, BC V6C 3B6

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):  
Property is in the northern part of the Kootenay Arc and the Cambrian Badshot and Index Formations cross the property.  
Extensive exposures of Badshot silica rock and carbonate containing tan coloured sphalerite and galena are exposed on a  
ridge west of the headwaters of Drimmie Creek.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 26077, 27997, 31876

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
Ground, mapping		405663	
Photo Interpretation			
<b>GEOPHYSICAL (line-kilometres)</b>			
<b>Ground</b>			
Magnetic			
Electromagnetic			
Induced Polarization			
Radlometric			
Seismic			
Other			
<b>Airborne</b>			
<b>GEOCHEMICAL (number of samples analysed for...)</b>			
Soil 173 B-Soils / 36 element ICP-MS / ICP-ES		405663	\$22,751.09
Silt			
Rock 32 / 36 element ICP-MS / ICP-ES		405663	\$4,208.30
Other			
<b>DRILLING (total metres; number of holes, size)</b>			
Core			
Non-core			
<b>RELATED TECHNICAL</b>			
Sampling/assaying 205 samples		405663	\$4,247.71
Petrographic			
Mineralographic			
Metallurgic			
<b>PROSPECTING (scale, area)</b>			
<b>PREPARATORY / PHYSICAL</b>			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
<b>TOTAL COST:</b>			<b>\$31,207.10</b>

**GEOCHEMICAL SAMPLING REPORT**

**on the**

**GHOST PROPERTY**

**Tenure No. 405663**

**Revelstoke Mining Division**

**NTS: 82L/16E (Portion on 82K/13W)**

**BCGS: 082L100 (Portion on 082K091)**

**Latitude: 50° 54.8' N; Longitude 118° 0.7' W**

**UTM (NAD 83, Zone 11): 5 640 590 N; 428 920 E**

**Owner and Operator: Selkirk Metals Corp.**

**Author: Dustin Perry**

**April 24, 2013**

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## **SECTION A: REPORT**

### **INTRODUCTION:**

Selkirk Metals Corp. (“Selkirk” or the “Company”) holds a 100% interest in the Ghost Property located over the Ghost Peak base metal showing 16 km southeast of Revelstoke BC. This report documents a program of geochemical sampling that was carried out on the property during July and September 2012. Work was conducted on Tenure No. 405663.

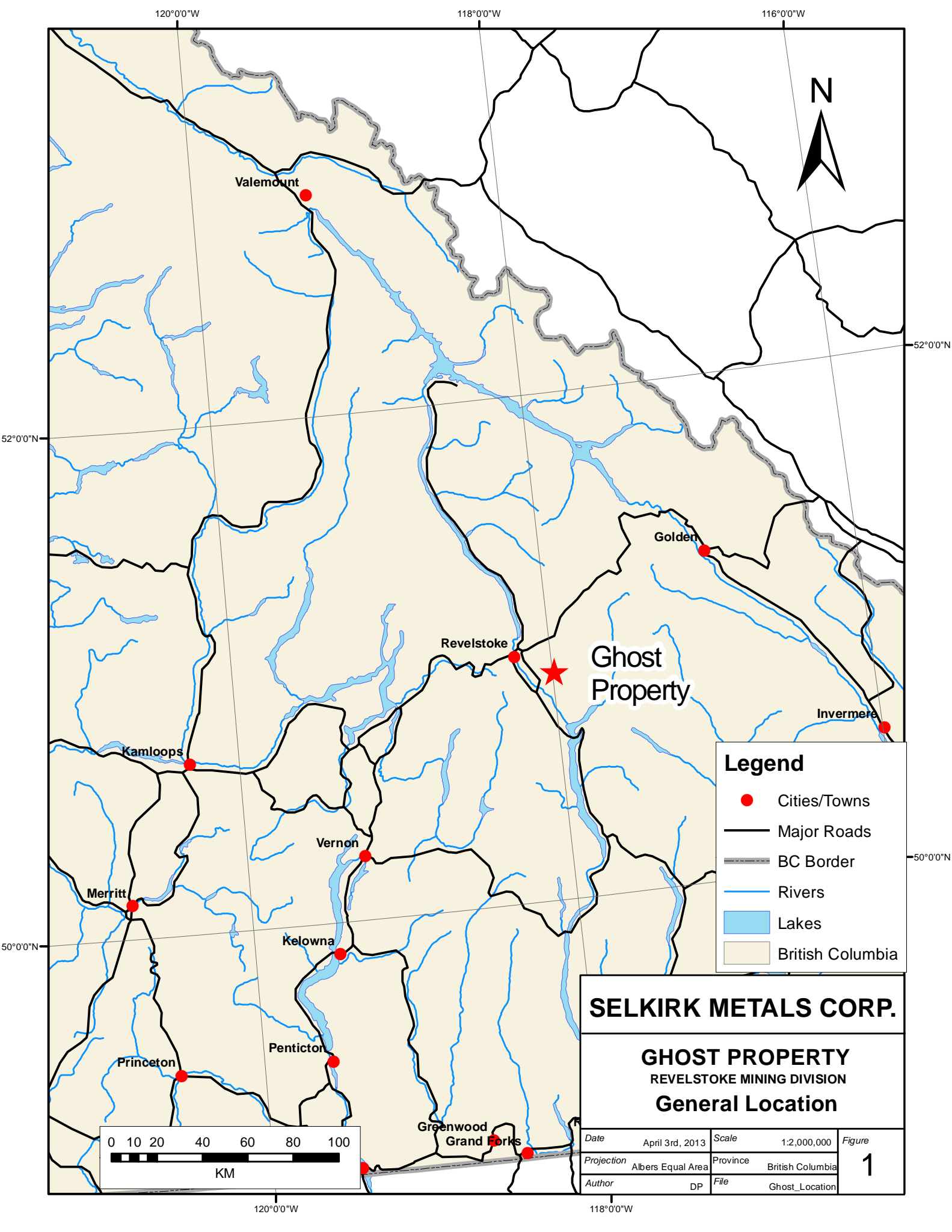
### **PROPERTY:**

The Ghost Property is comprised of two mineral claim located in the Revelstoke Mining Division (Figure 1). Tenures 405663 and 1014832 totaling 46 claim units cover an aggregate area of 1011.19 hectares. The Property is registered in the name of Selkirk Metals Corp. and was originally staked in October 2003 by Cross Lake Minerals Ltd. The Property was assigned to Selkirk in June 2005 as a result of a Plan of Arrangement. The mineral claims are shown on Figure 2 and the details of the mineral claims that comprises the Property are set out in Section B of this report. The expiry date shown is based on the Statement of Work filed on February 5, 2013 as Event #5430402 and assumes that the work contained in this report will be accepted for assessment purposes. The claim has not been surveyed.

### **LOCATION AND ACCESS:**

The Ghost Property is located some 16 km southeast of Revelstoke, B.C. in the Revelstoke Mining Division. The claim is situated primarily on NTS map sheet 82L16E and BCGS map sheet 082L100 although a small portion of the property falls on NTS sheet 82K/13W and BCGS 082K091. Geographic coordinates at the centre of the Property are latitude 50° 54.8' N; longitude 118° 0.7' W while the UTM coordinates are 5 640 590 N and 428 920 E in Zone 11, NAD 83. The property is situated to the west of the headwaters of Drimmie Creek which rises on the east slope of Ghost Peak in the Duncan Range of the Selkirk Mountains. The property elevations range from 1660 m to 2278 m above sea level.

The easiest access to the property is by helicopter from Revelstoke, the travel time being about 15 minutes. There is a road at a somewhat lower elevation along the Akolkolex River some 4 km southeast of the property. Access to this road from Revelstoke is southeast along the east bank of the Columbia River (Upper Arrow Lake).



120°00'W 118°00'W 116°00'W



52°00'N

52°00'N

Golden

Revelstoke

Ghost Property

Invermere

Kamloops

Vernon

Merritt

50°00'N

50°00'N

Kelowna

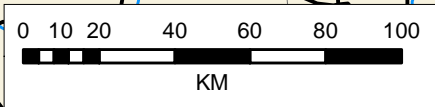
Penticton

Princeton

Greenwood  
Grand Forks

**Legend**

- Cities/Towns
- Major Roads
- BC Border
- Rivers
- Lakes
- British Columbia

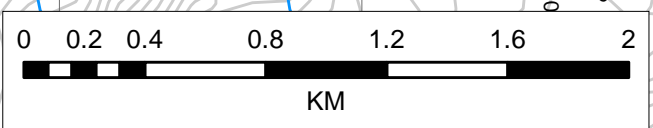
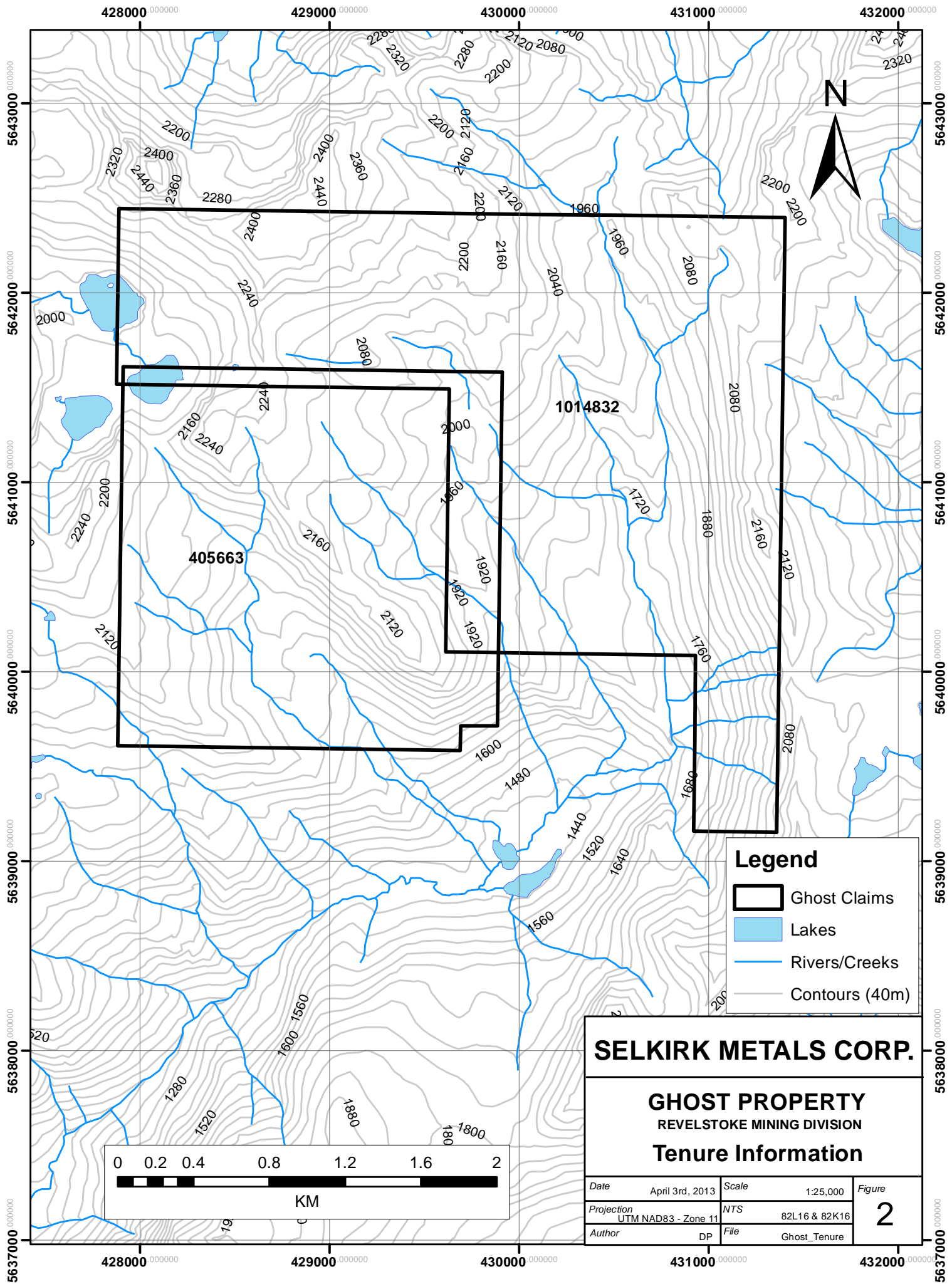


**SELKIRK METALS CORP.**





**GHOST PROPERTY**  
REVELSTOKE MINING DIVISION  
**General Location**

Date	April 3rd, 2013	Scale	1:2,000,000	<b>Figure 1</b>
Projection	Albers Equal Area	Province	British Columbia	
Author	DP	File	Ghost_Location	

120°00'W 118°00'W



**Legend**

-  Ghost Claims
-  Lakes
-  Rivers/Creeks
-  Contours (40m)

**SELKIRK METALS CORP.**

**GHOST PROPERTY**  
REVELSTOKE MINING DIVISION

**Tenure Information**

Date	April 3rd, 2013	Scale	1:25,000	Figure <b>2</b>
Projection	UTM NAD83 - Zone 11	NTS	82L16 & 82K16	
Author	DP	File	Ghost_Tenure	

### **CLIMATE, TOPOGRAPHY AND VEGETATION:**

Warm summers and moderately cold winters with heavy snowfall characterize the climate of the area. The property ranges in elevation from 1660 m in the southeast corner of the claim to 2278 m on an unnamed mountain in the northwest corner of the property. Most of the property is in high alpine and sub-alpine terrain. Some slopes are very steep and certain areas are inaccessible except by rope access due to cliffs. There is scrub underbrush and grasses at the higher elevations as most of the property is above tree line.

### **HISTORY:**

Cominco Ltd. staked the Ghost Peak Property in 1998 following the discovery of a new Zn/Pb sulphide occurrence. In September 1998 and September 1999 Cominco carried out programs of geological mapping and rock and soil geochemical sampling but the claims were allowed to expire in 2000.

Cross Lake Minerals Ltd. staked four 16 unit mineral claims in October 2003 covering the known mineralization and prospective terrain. The property was assigned to Selkirk in June 2005 as a result of a Plan of Arrangement and in late August-early September 2005 the Company conducted a program of geological mapping and sampling. No field work was conducted during 2006-2009 and three of the claim tenures were allowed to expire with only the main tenure being retained.

In 2010, Selkirk Metals completed a program consisting of 96 soil samples and 6 rock samples. The Property has not been diamond drilled.

### **REGIONAL GEOLOGY:**

The Ghost Property is located in the northern part of the Kootenay arc, a 10 to 50 km wide, 400 km long arc-shaped belt of rocks that extends from 50 km south of the US border to 100 km north of Revelstoke. Several small to medium size Zn-Pb-Ag deposits, some of which have been mined, as well as numerous showings are scattered along the length of the arc. The Cambrian Badshot Formation, a 50 to 100 m thick limestone that is now a marble in most areas, extends almost the entire length of the arc, and is host to most of the larger deposits. Throughout the arc, the Badshot Formation is repeated in several isoclinal folds, some of which are recumbent.

The Remac, Jersey and HB deposits near Salmo, B.C. close to the US border, Duncan, in the middle of the arc and Wigwam, to the north, are stratabound. Because of association with major faults, several geologists support a synsedimentary or early, strata controlled, carbonate replacement (CRD) origin for



these deposits. Bluebell, between Salmo and Duncan, is in the Badshot and is a member of a group of Eocene vein/CRD deposits hosted in rocks as young as Triassic. The Goldstream deposit, near the north end of the arc, has several characteristics of volcanogenic massive sulphide (VMS) deposits.

The regional geology is illustrated on Figure 3.

### **PROPERTY GEOLOGY:**

The western half of the Ghost Property is underlain by the Cambrian-aged Badshot Formation and the eastern half is predominantly underlain by the younger Index Formation. The Badshot Formation consists of white to grey limestone and the overlying Index Formation is grey and black phyllite and slate. The north-south trending Standfast Creek fault crosses the western portion of the claims and the mineralization

A southeasterly plunging alpine draw to the west of Drimmie Creek offers extensive exposure of Badshot silica rock and carbonate which may be doubled by folding, thus creating a large apparent thickness of this unit. Miller-Tait (2005) described the carbonates, with varying amounts of silica, to be exposed on the ridge and form a broad anticline dipping shallowly east and west and plunging from 10° to 20° southeast. Disseminated and banded, fine-grained, tan-colored sphalerite and galena is widespread in the mixture of carbonate and silica. Iron sulphide is not abundant enough to create obvious gossans. In some areas, the sulphides have been leached from the carbonate/siliceous host to a depth of approximately 2-3 cm, so care must be taken when sampling to collect unoxidized material. Figure 4 displays the typical mineralization found at the Ghost Property.

430000.000000

435000.000000

564500.000000

564500.000000

564000.000000

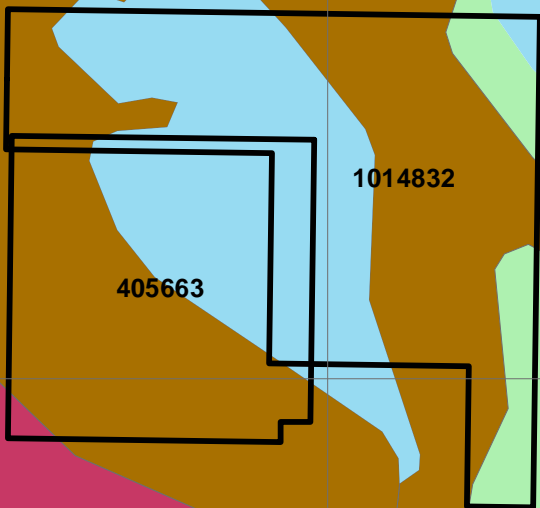
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
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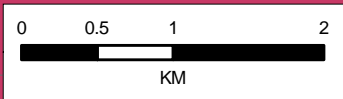


1014832

405663

**Legend**

-  Ghost Claims
-  Badshot Formation
-  Index Formation
-  Broadview Formation
-  Mohican Formation



**SELKIRK METALS CORP.**

**GHOST PROPERTY  
REVELSTOKE MINING DIVISION  
Regional Geology**

Date	April 17th, 2013	Scale	1:50,000	Figure <b>3</b>
Projection	UTM NAD83 - Zone 11	NTS	82L16 & 82K16	
Author	DP	File	Ghost_Geology	

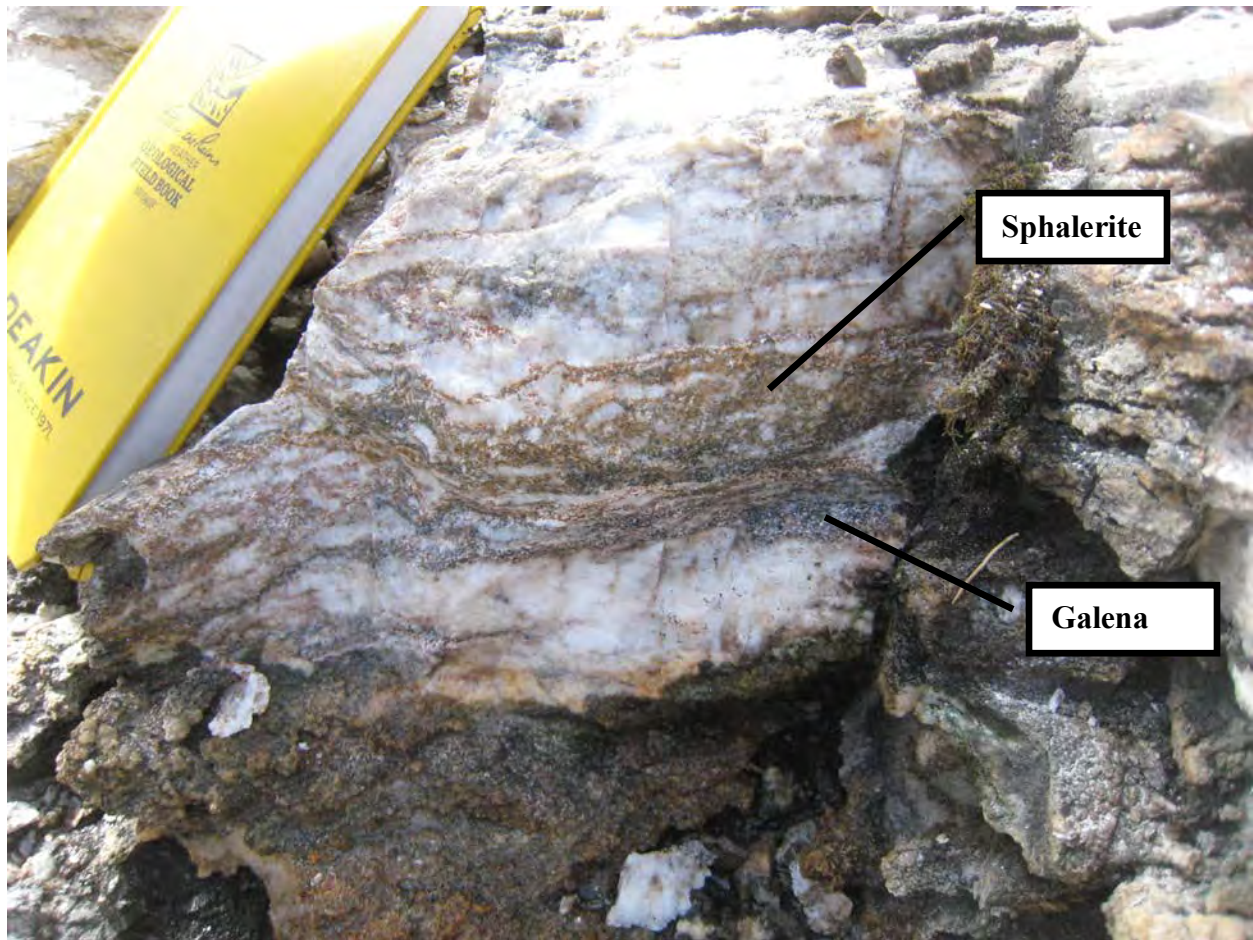


Figure 4: Typical Mineralization at the Ghost Property

#### **2012 GEOCHEMICAL SAMPLING:**

The geochemical program was carried out on July 22<sup>nd</sup> and from September 11<sup>th</sup>-13<sup>th</sup>, 2012. The program consisted of 173 soil samples and 32 rock samples. Soil sampling was conducted along traverses below the cliff faces of the NW-SE trending ridge that separates the western portion of the property from the historic area of work to the east. Sampling was done at 25 m intervals along approximately 50 m spaced lines. Rock sampling was focused on further defining the area of mineralization on the eastern side of the NW-SE trending ridge. Sampling was mainly done as channel samples across stratigraphic intervals of mineralization.

Soil sampling was effective at delineating two areas strongly anomalous in Pb-Zn-Ag. Although it cannot be determined whether or not the samples are in fact soils related to local bedrock or the result of erosion

from the cliff face, the anomalous regions do suggest that strataform mineralization does occur through the ridge. Lab certificates and sample descriptions can be found in Sections D and E of this report. Sample locations as well as plots for lead, zinc, and silver, are found in Section F.

Rock sampling was encouraging with highlights including sample #1967360 where a 2 m chip across the true width of a siliceous dolomite returned 31 g/t Ag, 2.22 % Pb, and 2.01 % Zn. Sample #1967355 returned higher base metal values with 0.8 g/t Ag, 0.18% Pb, and 18.44% Zn. It appears that base metal values are inversely related to silver values and further work will be required to determine the metal zonation within this prospect.

In addition to rock and soil sampling, an attempt was made to make a rope accessed traverse of the western cliff faces. It was possible to traverse the vertical extent of the stratigraphy but due to time constraints, no sampling was completed. Future programs should complete additional traverses especially above the areas of anomalous geochemistry.

#### **CONCLUSIONS:**

The Badshot Formation on the Ghost Property contains significant zinc-lead-silver mineralization consisting of fine grained tan sphalerite and galena hosted in carbonates and silicates in bands or disseminated. Zinc and Lead readily leach from their host rock as indicated by low base metal values in oxidized rock and high values in illuviated soil horizon.

Soil sampling indicated that the western slopes of the NW-SE ridge are highly anomalous in lead, zinc, and silver. Given the stratigraphic nature of the known mineralization, this could possibly represent a lateral continuation of mineralization.

Rock sampling provided further evidence that the Property has the potential to host a significant Pb-Zn-Ag deposit.

Further work on the property should be focused on detailed geologic mapping of the property to determine whether there is a structural control for mineralization. This will also serve to determine whether a mineralized horizon exists within the ridge. Future workers should take care to prospect with great detail and by fracturing rock surfaces very often as many mineralized sections were only visible once the rock was broken. The weathered profile of mineralized material varies considerably but for the most part it is difficult to distinguish from unmineralized rock.

Given the grades of mineralization and the close proximity to infrastructure, the Ghost Property is highly prospective.

**RECOMMENDATIONS:**

A recommended program of work can be divided into two phases. Given the short working season, the following program of work is best completed over two field seasons.

**Phase 1:**

The Property should be geologically mapped at 1:1,000 scale. Rope access will be required in order to map the western cliff faces. Additionally, detailed channel sampling should be completed on the Property in order to further define the surficial extent of mineralization. Unexplored eastern regions of the property should be prospected in great detail to determine the lateral extent of mineralization. Samples from the Property should be sent for analysis order to determine whether the property can be surveyed using EM or IP.

**Phase 2:**

A short program (1,000 m) of diamond drilling should be completed. Drilling should focus on known mineralization in addition to several vertical drill holes into the NW-SE ridge in order to determine stratigraphy as well as whether or not the mineralized horizon is continuous.

**Respectfully submitted,**

**Dustin Perry**

## **LIST OF REFERENCES:**

**Fyles, J.T. (1964):** Geology of the Duncan Lake Area, B.C. Department of Mines and Petroleum Resources, Bulletin 49

**Hartmann, S.A. (2010):** Geochemical Sampling Report on the Ghost Property, Tenure 405663, for Selkirk Metals Corp.; NTS 82K/13W and 82L/16E; B.C. Assessment Report #31876

**McMillan, W.J., Hoy, T., MacIntyre, D.G., Nelson, J.L., Nixon, G.T., Hammack, J.L., Panteleyev, A., Ray, G.E., and Webster, I.C.L. (1991):** Ore deposits, Tectonics and Metallogeny in the Canadian Cordillera, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1991-4

**Miller-Tait, J. (2005):** Geological Mapping and Sampling Report on the Ghost Property, Tenure 405663, for Selkirk Metals Holdings Corp.; NTS 82K/13W and 82L/16E; B.C. Assessment Report #27997

**Ransom, P.W. (1999):** Rock and Soil Geochemistry Report on the Ghost Peak Property; for Cominco Ltd.; NTS 82K/13W and 82L/16E; B.C. Assessment Report #26077

**Thompson, R.I. (1978):** Geology of the Akolkolex River Area, B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 60

**STATEMENT OF QUALIFICATIONS:**

For: Dustin Perry of 14-7450 Prospect St. Pemberton, B.C. V0N 2L1

I have completed the science requirements of a Bachelor of Science in Earth and Ocean Science degree at the University of British Columbia and I am currently enrolled in my final course.

I have been practising my profession as a geologist in mineral exploration and mining continuously since May 2010 and seasonally since May 2008.

The observations, conclusions and recommendations contained in the report are based on data generated from field work I performed between July 22 and September 13, 2012 while under the supervision of Jim Miller-Tait, P. Geo.



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Dustin Perry  
April 24, 2013

**SECTION B: PROPERTY**



<b>GHOST PROPERTY: MINERAL TENURES</b>				<b>Date:</b>	<b>Apr 26 2013</b>	
<b>OWNER:</b>	<b>Selkirk Metals Corp.</b>	<b>100.0%</b>	<b>BC Client No.</b>	<b>231261</b>	<b>Tenures:</b>	<b>2</b>
<b>ROYALTY:</b>	<b>nil</b>			<b>Cells/Units:</b>	<b>46</b>	
				<b>Area (ha):</b>	<b>1,011.19</b>	
MINING DIVISION: Revelstoke						
LAND DISTRICT: Kootenay						
LOCATION: 16 km SE of Revelstoke on the south side of Ghost Peak and west of the upper reaches of Drimmie Creek in the Selkirk Mountains						
MAP NO.	NTS:	82K/13W, 82L/16E	GEOGRAPHIC COORDINATES:		50° 54.8' N; 118° 00.7' W	
	BCGS:	082K091, 082L100	UTM COORDINATES (NAD 83, ZONE 11):		5 640 590 N 428 920 E	

<b>MAP REFERENCE:</b>	
1:250 000	82K / Lardeau; 82L / Vernon
1:50 000	82K/13 Camborne; 82L/16 Revelstoke
1:20 000	082K091 / Mount Kenneth; 082L100 / Mount Mackenzie

<b>TENURE RECORDS:</b>										
Tenure No.	Tenure Type	Claim Name	Map No.	Record Date	Good To Date	Cells	Area (ha)	Work Year	Work Factor	Work**
405663	Mineral	G 3	082L100	2003/oct/01	2021/mar/31	16	400.00	9	\$20.00	\$8,000.00
1014832	Mineral	G 101	082K091 082L100	2012/nov/27	2013/nov/27	30	611.19	1	\$5.00	\$3,055.95
<b>TOTAL</b>	<b>2</b>					<b>46</b>	<b>1,011.19</b>			<b>\$11,055.95</b>

\*\* Based on Mineral Tenure Act Regulation Amendments effective July 1, 2012: Year 1 and 2 / \$5.00/ha; Year 3 and 4 / \$10.00/ha; Year 5 and 6 / \$15.00/ha; Year 7 and beyond / \$20.00/ha

<b>ASSESSMENT FILING RECORD:</b>										
Filing Date	Event No.	Total Value Filed	Work-C/L	PAC Debit	PAC Credit	Report Due	Report Filed		Approved	Report No.
2003/oct/09	320998	\$6,400.00	\$6,400.00	\$0.00	GPS Credits	2003/oct/30	2003/oct/09			
2005/sep/23	4049324	\$11,969.11	\$10,495.72	\$1,473.39	\$0.00	2005/dec/22	2005/dec/22		2006/may/18	27997
2007/sep/19	4170540	\$3,200.00	Cash-in-lieu	\$0.00	\$0.00	N/A	N/A			
2008/sep/26	4238448	\$3,200.00	Cash-in-lieu	\$0.00	\$0.00	N/A	N/A			
2009/sep/29	4358928	\$3,200.00	Cash-in-lieu	\$0.00	\$0.00	N/A	N/A			
2010/sep/30	4796956	\$7,986.85	\$8,992.97	\$0.00	\$1,006.12	2010/dec 29	2010/dec/23		2011/mar/29	31876
2013/Feb/05	5430402	\$40,000.00	\$31,207.10	\$8,792.90	\$0.00	2013/May/06				

**SECTION C: EXPENDITURES (Ghost 2012 Geochemical Assessment)**

Selkirk Metals Corp.  
Project: Ghost

Statement of Expenditures: 2012 Field Program

Revised: Feb 05 2012

Item / Contractor	Work	Period	Quantity	Unit	Rate	Amount
<b>Personnel:</b>						
Jim Miller-Tait	Exploration Manager	Jul -Sep 2012	1.5	days	\$715.00	\$1,072.50
Dustin Perry	Project geologist	Jul 22-24; Sep 10-14, 2012	8.0	days	\$390.00	\$3,120.00
Michael Weldon	Field assistant	Jul 22-24, 2012	3.0	days	\$299.00	\$897.00
Sam McIlwain	Field assistant	Jul 22-24, 2012	3.0	days	\$247.00	\$741.00
Doug Cavey	Geologist	Sep 10-14, 2012	5.0	days	\$390.00	\$1,950.00
Jon Hayden Kremer	Field assistant	Sep 10-14, 2012	5.0	days	\$299.00	\$1,495.00
Alex Filler	Field assistant	Sep 10-14, 2012	5.0	days	\$299.00	\$1,495.00
Subtotal						\$10,770.50
<b>Accommodation &amp; Meals:</b>						
Dustin Perry	Meal and travel expenses for personnel	Jul 22-24; Sep 10-14, 2012	8.0	days		\$4,369.02
Subtotal						\$4,369.02
<b>Transportation: Vehicle</b>						
Dustin Perry	Toyota Tacoma 4WD	Jul 22-24; Sep 10-14, 2012	2006	km	\$0.40	\$802.40
Dustin Perry	Fuel	Jul 22-24; Sep 10-14, 2012				\$433.61
Subtotal						\$1,236.01
<b>Transportation: Air</b>						
Selkirk Mountain Helicopters	AS350-B2 helicopter from Revelstoke	Jul 21, 22; Sep 11-14, 2012	4.6	hours	\$1,923.60	\$8,848.56
Subtotal						\$8,848.56
<b>Assaying:</b>						
Acme Analytical Laboratories	B Soil Samples: 1DX2 analytical code	Jul 21, 22, 2012	89	samples	\$20.18	\$1,796.02
Acme Analytical Laboratories	Rock Samples: 1DX2 analytical code	Jul 21, 22, 2012	1	samples	\$20.94	\$20.94
Acme Analytical Laboratories	B Soil Samples: 1DX2 analytical code	Sep 11-14, 2012	84	samples	\$20.18	\$1,695.12
Acme Analytical Laboratories	Rock Samples: 1DX1, 7AR analytical code	Sep 11-14, 2012	31	samples	\$23.73	\$735.63
Subtotal			205			\$4,247.71
<b>Field Supplies:</b>						
Deakin Equipment Ltd.	Sampling & engineering supplies					\$164.15
Dustin Perry	Sampling supplies					\$172.35
Subtotal						\$336.50
<b>Drafting:</b>						
Dustin Perry	GIS work		1.0	days	\$390.00	\$390.00
<b>Report Preparation:</b>						
Dustin Perry	Data compilation, report preparation		2.0	days	\$390.00	\$780.00
Erik Andersen	Data preparation, report editing		4.0	hours	\$57.20	\$228.80

Subtotal						\$1,008.80
<b>Total</b>	<b>Tenure: 405663</b>					<b>\$31,207.10</b>

## **SECTION D: ANALYTICAL RESULTS**



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Selkirk Metals Corp.  
200 - 580 Hornby Street  
Vancouver BC V6C 3B6 Canada

Submitted By: Email Distribution List  
Receiving Lab: Canada-Vancouver  
Received: July 24, 2012  
Report Date: August 15, 2012  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN12003463.1

### CLIENT JOB INFORMATION

Project: GHOST  
Shipment ID: GHOST  
P.O. Number  
Number of Samples: 1

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	1	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	1	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

### ADDITIONAL COMMENTS

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

Invoice To: Selkirk Metals Corp.  
200 - 580 Hornby Street  
Vancouver BC V6C 3B6  
Canada

CC: Dustin Perry



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: GHOST  
 Report Date: August 15, 2012

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# CERTIFICATE OF ANALYSIS

VAN12003463.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
G1	Prep Blank	<0.01	<0.1	2.7	2.8	50	<0.1	4.3	4.4	602	2.02	<0.5	0.6	5.5	66	<0.1	<0.1	<0.1	36	0.60	0.083
1722148	Rock	0.26	4.2	65.4	6.2	106	0.5	42.9	18.1	817	2.66	<0.5	<0.5	5.9	8	1.0	<0.1	<0.1	27	0.26	0.112



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**Report Date:** August 15, 2012

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**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

VAN12003463.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
G1	Prep Blank	11	17	0.62	228	0.129	<1	1.05	0.105	0.50	<0.1	<0.01	2.6	0.3	<0.05	6	<0.5	<0.2
1722148	Rock	14	16	0.54	171	0.007	<1	0.84	0.015	0.28	<0.1	<0.01	1.6	0.1	<0.05	2	<0.5	<0.2





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Project: GHOST  
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QUALITY CONTROL REPORT

VAN12003463.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Reference Materials																					
STD DS9	Standard	13.6	106.1	119.5	300	1.9	39.9	7.6	578	2.35	25.3	104.2	6.3	69	2.3	5.1	6.2	41	0.67	0.084	
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	
BLK	Blank	<0.1	0.8	<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	
Prep Wash																					
G1	Prep Blank	<0.01	<0.1	2.7	2.8	50	<0.1	4.3	4.4	602	2.02	<0.5	0.6	5.5	66	<0.1	<0.1	<0.1	36	0.60	0.083



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Part: 2 of 2

QUALITY CONTROL REPORT

VAN12003463.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Reference Materials																		
STD DS9	Standard	13	121	0.63	295	0.111	2	1.00	0.086	0.40	3.0	0.19	2.5	5.1	0.16	5	5.2	5.0
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
G1	Prep Blank	11	17	0.62	228	0.129	<1	1.05	0.105	0.50	<0.1	<0.01	2.6	0.3	<0.05	6	<0.5	<0.2



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Page: 1 of 4

## CERTIFICATE OF ANALYSIS

VAN12003465.1

### CLIENT JOB INFORMATION

Project: GHOST  
Shipment ID: GHOST  
P.O. Number  
Number of Samples: 89

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

Invoice To: Selkirk Metals Corp.  
200 - 580 Hornby Street  
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Canada

CC: Dustin Perry

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	89	Dry at 60C			VAN
SS80	89	Dry at 60C sieve 100g to -80 mesh			VAN
RJSV	89	Saving all or part of Soil Reject			VAN
1DX2	89	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### ADDITIONAL COMMENTS



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Project: GHOST  
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Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN12003465.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			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
1965466	Soil		3.4	50.5	87.8	258	0.5	50.2	22.0	1074	4.55	4.1	2.4	5.0	17	1.3	0.6	3.6	36	1.02	0.355	33
1965467	Soil		4.1	27.0	90.5	190	0.2	29.3	25.6	1549	4.35	9.1	0.8	1.5	8	3.3	1.0	3.0	32	0.38	0.209	20
1965468	Soil		4.7	53.0	82.7	246	0.5	52.0	19.2	1102	4.53	8.5	1.5	4.1	15	1.6	0.6	4.0	30	1.21	0.561	37
1965469	Soil		6.5	59.4	112.6	411	0.5	54.4	20.3	1499	3.81	8.3	1.0	1.6	21	3.3	0.7	1.5	41	1.43	0.550	23
1965470	Soil		6.6	53.0	1018	1490	0.4	39.8	20.9	1938	5.37	8.2	1.6	1.6	13	2.5	1.3	3.0	68	0.77	0.381	19
1965471	Soil		6.7	54.7	607.0	1071	0.3	46.7	24.3	1879	5.58	5.3	<0.5	2.2	14	2.6	0.8	2.1	55	0.77	0.427	24
1965472	Soil		6.3	79.8	304.3	896	0.7	67.6	22.1	1500	4.67	7.2	1.3	4.9	23	2.2	0.7	0.9	41	1.98	0.854	42
1965473	Soil		7.2	54.7	357.1	420	0.3	44.9	28.5	1939	4.56	5.3	1.5	1.4	9	1.8	0.8	1.6	43	0.32	0.245	16
1965474	Soil		6.0	73.2	213.6	439	0.3	46.7	30.5	1666	6.07	2.1	<0.5	1.8	12	1.3	0.4	2.0	65	0.32	0.246	22
1965475	Soil		6.0	44.3	537.1	921	0.4	40.6	19.1	1158	4.55	3.7	<0.5	1.2	11	1.1	0.7	1.2	52	0.44	0.294	17
1965476	Soil		5.6	114.2	23.2	184	0.5	62.3	25.0	1098	4.97	1.2	2.4	3.8	10	0.8	0.3	0.9	56	0.28	0.236	29
1965477	Soil		5.1	84.4	28.5	196	0.4	60.1	25.7	1247	5.14	0.7	1.6	1.9	8	0.7	0.2	1.1	49	0.20	0.198	22
1965478	Soil		5.9	57.5	50.8	230	0.4	49.3	24.8	1474	5.16	2.0	<0.5	1.1	11	1.5	0.7	0.9	50	0.24	0.189	17
1965479	Soil		4.9	90.2	36.7	227	0.4	68.7	25.9	1185	4.88	1.7	1.0	3.3	12	1.5	0.2	1.2	50	0.46	0.263	29
1965480	Soil		5.8	91.2	31.0	255	0.4	72.5	36.5	1674	5.96	1.0	<0.5	2.5	15	1.9	0.9	1.6	57	0.63	0.238	26
1965481	Soil		7.5	63.3	159.1	423	0.4	65.6	27.1	1333	4.78	3.8	1.6	2.2	13	1.7	0.7	0.9	55	0.59	0.371	26
1965482	Soil		5.7	74.0	55.9	279	0.4	68.8	33.2	1467	5.58	1.5	1.8	3.2	15	1.5	0.2	0.8	69	0.63	0.308	31
1965483	Soil		5.2	58.1	44.8	242	0.4	50.0	28.5	1399	5.29	4.4	<0.5	2.4	14	1.5	0.5	0.9	53	0.64	0.396	29
1965484	Soil		5.8	94.0	58.7	240	0.4	69.0	30.0	961	5.10	6.8	2.2	3.6	19	2.4	0.8	0.9	51	0.63	0.257	25
1965485	Soil		7.5	85.3	21.4	282	0.4	64.4	30.2	1165	5.52	2.4	1.4	3.8	20	2.9	0.3	0.7	78	0.54	0.284	25
1965486	Soil		6.7	89.7	33.9	266	0.5	72.9	26.4	1127	5.07	2.8	<0.5	2.5	16	2.5	0.6	1.1	69	0.44	0.249	29
1965487	Soil		5.9	91.0	255.2	573	0.6	73.9	29.1	1422	5.04	7.2	<0.5	2.8	18	4.2	1.1	1.6	78	1.04	0.383	26
1965488	Soil		7.4	102.1	381.1	748	0.7	75.9	28.4	1474	4.57	6.4	<0.5	2.2	27	8.4	0.8	1.8	73	1.45	0.355	23
1965489	Soil		8.8	110.8	83.7	394	0.6	83.2	50.0	2318	6.88	2.4	<0.5	4.0	20	3.4	0.5	0.9	76	0.79	0.324	47
1965490	Soil		7.6	96.4	350.1	683	1.0	84.9	32.2	1731	4.94	6.5	1.8	2.3	30	5.4	0.9	1.8	99	1.88	0.502	29
1965491	Soil		9.8	94.8	294.8	662	1.0	79.5	26.2	1417	4.41	11.7	<0.5	2.4	33	5.3	0.8	1.5	84	1.66	0.558	20
1965492	Soil		5.8	55.5	640.1	750	1.4	51.7	12.5	932	2.60	10.1	<0.5	1.7	69	5.8	1.2	2.6	56	6.43	0.391	11
1965493	Soil		6.8	113.2	53.5	334	0.6	78.1	24.7	988	5.25	2.9	1.2	5.9	15	2.4	0.2	0.7	64	0.48	0.269	30
1965494	Soil		5.5	78.0	42.3	297	0.4	63.9	26.5	1142	4.75	6.4	<0.5	3.2	20	4.2	0.5	0.8	50	0.65	0.291	19
1965495	Soil		4.1	92.6	245.0	496	0.7	73.7	23.5	1021	4.76	3.7	2.6	3.6	16	3.3	0.9	1.1	73	0.94	0.331	23

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Project: GHOST  
 Report Date: August 15, 2012

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Part: 2 of 2

# CERTIFICATE OF ANALYSIS

VAN12003465.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5		
1965466	Soil			20	0.66	227	0.033	3	1.26	0.004	0.20	0.6	0.02	2.1	0.6	0.06	4	1.7	<0.2
1965467	Soil			20	0.56	150	0.023	3	1.21	0.004	0.25	0.3	0.03	0.9	0.5	0.11	4	<0.5	<0.2
1965468	Soil			14	0.64	80	0.022	2	1.39	0.003	0.12	0.5	0.03	2.0	0.4	<0.05	4	0.8	<0.2
1965469	Soil			14	0.52	205	0.016	3	1.67	0.005	0.05	0.4	0.04	1.3	0.2	0.07	4	1.6	<0.2
1965470	Soil			16	0.46	235	0.009	3	1.04	0.004	0.06	1.5	0.03	1.3	0.3	<0.05	3	0.6	<0.2
1965471	Soil			17	0.51	228	0.009	2	1.21	0.004	0.06	1.0	0.02	1.2	0.2	0.05	4	1.4	<0.2
1965472	Soil			17	0.56	224	0.012	2	1.22	0.004	0.07	0.3	0.04	2.2	0.2	<0.05	3	1.2	<0.2
1965473	Soil			17	0.47	216	0.006	2	0.89	0.004	0.05	0.3	0.02	1.0	0.2	<0.05	3	1.7	<0.2
1965474	Soil			26	1.01	221	0.014	2	1.59	0.004	0.11	0.8	0.02	1.4	0.4	<0.05	5	1.8	<0.2
1965475	Soil			18	0.72	174	0.008	<1	1.22	0.004	0.06	0.7	0.02	0.8	0.3	<0.05	4	1.1	<0.2
1965476	Soil			25	1.18	94	0.011	<1	1.62	0.003	0.06	0.4	0.01	1.8	0.3	<0.05	4	0.6	<0.2
1965477	Soil			25	0.95	138	0.009	<1	1.59	0.009	0.06	0.5	0.02	0.9	0.3	<0.05	5	0.8	<0.2
1965478	Soil			21	0.72	161	0.010	2	1.36	0.005	0.07	0.2	0.04	0.6	0.2	0.09	6	<0.5	<0.2
1965479	Soil			20	0.93	124	0.016	1	1.57	0.003	0.09	1.0	0.03	1.8	0.3	<0.05	4	1.7	<0.2
1965480	Soil			25	1.03	200	0.013	3	1.53	0.004	0.09	0.5	0.04	1.8	0.3	0.06	5	2.3	<0.2
1965481	Soil			21	0.89	233	0.013	1	1.50	0.004	0.07	0.4	0.03	1.3	0.2	0.05	5	1.8	<0.2
1965482	Soil			30	1.32	176	0.017	<1	1.75	0.004	0.09	0.3	0.03	2.1	0.3	<0.05	5	0.9	<0.2
1965483	Soil			24	0.96	157	0.011	1	1.51	0.004	0.09	0.2	0.03	1.5	0.3	<0.05	4	0.5	<0.2
1965484	Soil			24	0.91	275	0.019	1	1.31	0.005	0.12	0.5	0.03	2.4	0.3	0.05	4	2.2	<0.2
1965485	Soil			26	1.39	191	0.009	<1	1.49	0.005	0.07	0.2	0.02	2.0	0.2	<0.05	5	1.8	<0.2
1965486	Soil			24	1.11	240	0.013	2	1.63	0.006	0.09	0.3	0.03	1.7	0.2	0.06	4	1.8	<0.2
1965487	Soil			25	0.99	2491	0.013	2	1.49	0.005	0.08	0.6	0.02	2.1	0.2	0.07	4	2.6	0.2
1965488	Soil			22	0.90	2931	0.015	4	1.37	0.005	0.07	0.5	0.04	1.9	0.2	0.12	4	2.6	<0.2
1965489	Soil			28	1.20	1043	0.015	2	1.91	0.005	0.10	0.3	0.04	3.1	0.2	0.11	5	2.5	<0.2
1965490	Soil			30	1.14	5188	0.019	3	1.50	0.006	0.12	0.4	0.05	2.4	0.3	0.10	4	2.5	<0.2
1965491	Soil			28	0.68	3836	0.010	5	1.26	0.006	0.09	0.7	0.06	1.7	0.2	0.15	3	3.7	<0.2
1965492	Soil			15	3.34	5606	0.006	2	0.66	0.004	0.05	0.4	0.03	1.3	0.2	0.12	2	2.2	<0.2
1965493	Soil			22	0.93	731	0.011	1	1.36	0.004	0.09	0.5	<0.01	2.7	0.2	<0.05	4	2.0	<0.2
1965494	Soil			23	0.89	514	0.009	3	1.26	0.005	0.08	0.4	0.02	1.8	0.1	0.10	4	1.9	<0.2
1965495	Soil			26	1.05	2461	0.017	2	1.41	0.004	0.11	0.4	0.03	2.7	0.2	<0.05	4	1.0	<0.2



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	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	2	0.01	0.001	1	
1965496	Soil	5.2	100.8	508.4	869	1.0	74.2	23.5	1347	4.21	4.7	2.5	2.7	35	4.6	1.2	1.1	64	2.47	0.428	18
1965497	Soil	9.5	83.4	454.6	1053	1.1	85.7	28.2	1504	4.68	7.7	<0.5	2.9	24	4.2	0.8	0.9	85	1.25	0.394	22
1965498	Soil	3.9	54.3	477.0	1086	0.6	47.9	16.0	1105	3.49	7.1	12.0	2.1	57	4.1	1.2	0.6	65	6.02	0.352	17
1965499	Soil	4.6	51.5	796.5	1595	0.6	45.2	13.9	1303	3.23	5.9	1.0	1.5	36	5.0	1.2	0.9	68	3.77	0.399	17
1965500	Soil	6.1	125.2	191.8	574	0.6	73.1	30.5	1741	6.14	6.5	<0.5	3.6	32	3.5	0.7	1.0	45	1.56	0.331	29
1721351	Soil	4.0	46.1	493.7	1251	0.6	42.3	11.2	1003	3.02	9.8	1.8	1.9	40	5.0	1.2	0.9	65	3.79	0.350	16
1721352	Soil	3.8	29.7	561.8	1086	0.6	32.3	8.1	628	2.38	4.6	1.3	1.4	42	3.2	0.7	0.6	52	5.14	0.283	11
1721353	Soil	2.4	30.1	995.6	1470	0.8	29.4	8.7	1118	2.64	4.3	0.6	1.3	40	5.3	0.8	1.6	63	4.51	0.491	18
1721354	Soil	1.4	28.7	1081	2533	0.8	27.3	9.5	1207	2.74	2.7	0.8	0.8	16	5.3	0.6	1.3	44	1.49	0.368	15
1721355	Soil	1.6	26.1	846.8	3240	0.9	25.9	7.9	1163	2.84	4.6	1.7	0.9	14	6.3	0.8	1.4	46	1.36	0.394	16
1721356	Soil	2.1	27.0	772.8	2077	0.3	26.8	10.1	1405	3.27	4.0	<0.5	0.9	11	4.0	0.8	1.2	47	0.84	0.331	15
1721357	Soil	1.6	25.6	1180	2810	1.4	24.8	7.3	1201	3.01	4.4	<0.5	0.9	27	6.4	0.9	1.3	60	2.82	0.477	20
1721199	Soil	3.4	59.6	46.7	202	0.5	56.3	21.9	1506	4.59	4.6	<0.5	3.9	18	1.6	0.4	2.1	36	1.43	0.363	26
1721200	Soil	1.7	34.6	40.6	143	0.3	47.4	21.9	1261	4.59	4.1	1.4	6.4	21	1.1	0.5	1.4	27	1.75	0.241	26
1721301	Soil	2.5	55.6	37.6	150	0.5	59.1	22.9	854	4.82	3.5	2.8	9.8	11	0.8	0.5	2.6	28	0.69	0.220	36
1721302	Soil	1.7	41.1	44.5	130	0.4	51.3	23.5	1542	4.91	2.7	<0.5	6.5	22	0.8	0.4	4.4	25	0.99	0.198	34
1721303	Soil	2.3	46.2	54.2	162	0.4	57.2	29.1	1654	5.60	2.1	0.6	6.0	16	0.7	0.2	2.4	25	0.91	0.242	40
1721304	Soil	2.2	51.5	46.6	179	0.5	59.3	23.3	1228	4.72	2.4	1.1	7.5	13	1.4	0.4	3.0	29	0.96	0.292	36
1721305	Soil	6.1	68.5	61.8	236	0.5	57.0	18.3	1251	4.28	9.7	0.7	5.7	28	1.8	0.7	2.8	33	3.35	1.445	34
1721306	Soil	7.1	77.0	103.9	402	0.6	65.3	22.1	1720	4.51	6.8	0.6	3.0	19	3.3	0.6	1.7	44	1.71	0.531	25
1721307	Soil	7.7	102.5	70.3	376	1.0	71.9	15.8	1308	3.82	13.7	1.2	3.1	22	3.5	1.2	9.4	47	2.59	1.022	27
1721308	Soil	9.0	122.1	70.8	378	0.6	87.6	26.6	1394	5.97	3.0	0.6	9.5	16	2.6	0.6	1.8	52	1.00	0.453	32
1721309	Soil	9.7	124.4	49.5	368	0.8	106.8	29.0	1354	5.81	3.5	1.1	8.1	18	2.6	0.5	1.2	56	1.16	0.509	39
1721310	Soil	7.1	86.3	909.9	2113	0.6	69.3	19.9	951	4.83	2.2	0.5	5.3	12	1.9	0.5	0.7	46	0.67	0.274	26
1721311	Soil	8.7	141.6	31.5	212	0.7	96.9	34.3	1476	6.09	2.1	<0.5	8.4	17	1.0	0.4	0.9	67	0.96	0.340	39
1721312	Soil	6.8	87.7	1083	2444	0.8	65.7	23.1	1290	5.67	3.2	<0.5	4.9	12	1.9	0.6	1.3	60	0.70	0.320	29
1721313	Soil	7.4	169.2	35.3	241	0.9	90.3	37.0	1567	6.59	<0.5	1.5	7.9	17	1.4	0.2	1.2	67	0.58	0.260	39
1721314	Soil	5.8	112.3	28.3	204	0.6	84.8	32.1	1385	5.96	0.9	1.0	4.0	12	1.1	0.2	0.8	59	0.49	0.217	29
1721315	Soil	7.1	115.8	32.2	236	0.5	89.4	37.6	1585	6.64	1.4	<0.5	6.2	12	1.5	0.4	0.8	62	0.51	0.234	40
1721316	Soil	6.5	104.5	56.9	249	0.7	77.6	28.4	1300	5.87	5.6	<0.5	5.6	13	2.3	0.9	1.4	48	0.63	0.236	29

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1965496	Soil	21	1.40	3677	0.009	4	1.04	0.005	0.07	0.5	0.04	2.0	0.2	0.14	3	2.5	0.2
1965497	Soil	20	0.93	5808	0.011	3	1.40	0.005	0.08	0.6	0.06	2.5	0.3	0.10	4	2.0	<0.2
1965498	Soil	17	3.51	3127	0.011	2	0.79	0.004	0.07	0.4	0.03	2.1	0.3	0.12	2	1.1	<0.2
1965499	Soil	15	1.68	3893	0.008	3	0.83	0.005	0.07	0.4	0.02	1.6	0.3	0.16	2	1.3	<0.2
1965500	Soil	20	0.87	846	0.014	5	1.22	0.006	0.10	0.5	0.06	2.5	0.3	0.14	3	3.2	<0.2
1721351	Soil	15	2.09	3277	0.008	3	0.76	0.004	0.07	0.5	0.04	1.4	0.4	0.10	2	1.2	<0.2
1721352	Soil	10	2.90	3918	0.004	3	0.56	0.003	0.05	0.5	0.04	1.0	0.3	<0.05	2	<0.5	<0.2
1721353	Soil	13	2.27	4690	0.008	4	0.83	0.004	0.07	0.4	0.05	1.5	0.3	<0.05	2	0.9	<0.2
1721354	Soil	15	0.63	3936	0.011	4	1.24	0.005	0.06	0.2	0.05	1.0	0.4	0.07	2	0.7	<0.2
1721355	Soil	13	0.56	4045	0.010	4	1.11	0.005	0.07	0.3	0.05	1.3	0.4	0.07	2	0.5	<0.2
1721356	Soil	13	0.39	3600	0.010	3	1.31	0.004	0.07	0.4	0.04	1.0	0.3	0.06	3	0.7	<0.2
1721357	Soil	15	1.18	4646	0.007	4	1.15	0.005	0.07	0.4	0.08	1.1	0.5	0.06	2	0.5	<0.2
1721199	Soil	20	1.15	104	0.019	3	1.38	0.007	0.12	0.6	0.04	2.7	0.5	<0.05	4	1.1	<0.2
1721200	Soil	26	1.19	85	0.048	3	1.38	0.007	0.27	0.3	0.05	2.9	0.8	<0.05	4	0.8	<0.2
1721301	Soil	23	0.74	74	0.045	2	1.35	0.006	0.25	0.4	0.04	2.4	0.6	<0.05	4	0.7	<0.2
1721302	Soil	21	0.94	116	0.034	3	1.54	0.008	0.14	0.5	0.04	3.1	0.7	<0.05	4	0.5	<0.2
1721303	Soil	23	0.76	204	0.031	2	1.51	0.009	0.22	0.9	0.03	2.6	0.7	<0.05	4	1.0	<0.2
1721304	Soil	21	0.73	181	0.040	2	1.43	0.003	0.29	0.6	0.05	2.3	0.7	<0.05	4	<0.5	<0.2
1721305	Soil	15	0.77	99	0.017	2	1.22	0.004	0.15	0.9	0.05	2.5	0.5	<0.05	3	1.1	<0.2
1721306	Soil	17	0.83	232	0.010	3	1.34	0.005	0.08	0.6	0.05	1.9	0.3	<0.05	3	1.5	<0.2
1721307	Soil	14	0.75	102	0.008	4	1.11	0.005	0.10	0.9	0.07	2.1	0.4	<0.05	3	1.5	<0.2
1721308	Soil	21	0.94	133	0.007	2	1.37	0.004	0.06	0.6	0.04	2.8	0.2	<0.05	4	1.4	<0.2
1721309	Soil	21	0.79	141	0.008	2	1.37	0.005	0.08	0.3	0.04	2.6	0.2	<0.05	3	1.3	<0.2
1721310	Soil	17	0.58	504	0.007	2	0.97	0.004	0.05	0.4	0.03	2.0	0.2	<0.05	3	1.3	<0.2
1721311	Soil	32	1.08	135	0.026	2	1.57	0.005	0.17	0.5	0.02	3.2	0.6	<0.05	4	1.9	<0.2
1721312	Soil	21	0.82	425	0.015	2	1.34	0.005	0.09	0.9	0.03	2.4	0.4	<0.05	4	1.2	<0.2
1721313	Soil	31	1.50	149	0.012	1	1.68	0.005	0.09	1.0	0.03	3.4	0.3	<0.05	5	1.9	<0.2
1721314	Soil	36	1.32	148	0.013	2	1.80	0.004	0.09	0.9	0.03	2.3	0.3	<0.05	5	1.6	<0.2
1721315	Soil	30	1.17	126	0.019	1	1.62	0.004	0.12	0.2	0.03	3.1	0.4	<0.05	5	1.7	<0.2
1721316	Soil	23	0.87	146	0.013	2	1.24	0.004	0.10	2.1	0.04	2.4	0.3	<0.05	4	1.6	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	MDL	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
1721317	Soil	6.0	78.6	62.1	262	0.6	68.7	29.5	1316	5.24	5.8	0.7	4.9	14	2.8	0.8	0.6	44	0.89	0.331	37
1721318	Soil	7.6	85.3	113.9	388	0.6	81.3	29.8	1536	5.49	4.4	<0.5	4.3	15	2.2	0.6	0.7	56	1.05	0.473	29
1721319	Soil	6.0	120.9	45.0	253	0.8	88.3	32.8	1378	6.43	2.3	1.1	6.6	15	1.2	0.2	0.7	66	1.01	0.519	40
1721320	Soil	5.7	107.4	59.7	269	0.6	89.2	38.5	1549	6.29	1.3	0.6	5.1	12	1.2	<0.1	0.6	65	0.55	0.249	33
1721321	Soil	6.8	105.9	40.0	258	0.5	76.9	31.4	1408	5.84	3.1	1.3	6.8	21	1.4	0.4	0.9	66	1.42	0.646	39
1721322	Soil	10.9	85.4	24.0	287	0.4	70.6	32.2	1246	5.96	1.6	<0.5	1.8	11	2.1	0.3	0.6	106	0.43	0.265	21
1721323	Soil	9.5	150.9	19.8	277	0.6	103.0	30.3	1046	6.25	1.0	1.0	7.3	15	1.5	0.2	0.6	82	0.53	0.253	38
1721324	Soil	9.1	102.4	24.5	232	0.6	78.1	35.2	1212	5.83	0.9	<0.5	5.3	10	1.4	0.2	0.9	73	0.41	0.232	39
1721325	Soil	7.8	141.5	95.3	338	0.8	92.2	36.5	1370	6.41	2.2	0.8	4.5	17	2.2	0.3	0.8	72	0.75	0.297	35
1721326	Soil	7.3	120.2	27.4	292	0.5	92.3	42.4	1790	6.69	0.9	<0.5	5.8	13	2.3	0.1	1.5	58	0.56	0.261	43
1721327	Soil	4.4	94.4	50.6	218	0.5	70.7	24.2	2042	5.68	2.7	0.7	6.2	15	2.1	0.5	3.9	27	0.80	0.243	44
1721328	Soil	7.6	91.0	543.7	645	1.2	81.7	27.2	1545	5.30	5.8	<0.5	3.2	19	5.7	0.6	2.0	82	1.02	0.404	27
1721329	Soil	18.8	147.2	84.0	527	1.0	133.0	25.7	699	4.98	11.7	0.5	5.2	24	3.5	0.6	0.6	89	0.55	0.379	15
1721330	Soil	7.4	77.5	85.7	373	0.5	76.7	31.6	1325	5.15	4.3	<0.5	2.1	16	4.0	0.4	0.7	78	0.68	0.335	24
1721331	Soil	8.4	102.4	316.4	623	1.0	84.8	16.6	560	3.81	7.8	<0.5	4.2	32	4.3	0.5	1.0	76	2.82	0.277	15
1721332	Soil	9.2	131.1	31.2	317	0.8	101.0	31.5	1051	6.17	1.8	0.9	5.4	13	1.8	<0.1	0.6	87	0.47	0.235	33
1721333	Soil	8.8	141.4	33.4	336	0.8	108.5	34.6	1122	6.23	3.5	<0.5	6.2	14	1.9	0.1	0.7	73	0.47	0.234	30
1721334	Soil	5.9	112.2	259.0	505	0.8	93.3	29.0	1230	5.35	2.8	0.6	3.1	15	3.3	0.7	0.8	88	0.90	0.377	27
1721335	Soil	7.5	93.8	205.4	537	0.6	88.8	36.2	1598	5.96	3.2	<0.5	3.4	14	3.3	0.3	0.6	77	0.64	0.284	28
1721336	Soil	7.8	93.1	354.1	748	0.7	78.6	32.9	1613	5.46	4.3	<0.5	2.8	13	2.3	0.6	0.6	73	0.54	0.260	28
1721337	Soil	5.0	63.1	141.4	404	0.4	59.0	32.5	1361	5.74	6.0	0.6	2.7	11	3.2	0.8	0.6	55	0.62	0.255	24
1721338	Soil	7.4	101.8	97.2	395	0.5	78.6	29.1	1487	6.17	2.2	1.0	3.6	11	1.7	0.6	0.6	53	0.39	0.257	29
1721339	Soil	6.2	130.2	100.5	434	0.6	84.3	33.6	1144	6.39	1.6	1.0	5.9	12	1.4	0.3	0.6	62	0.59	0.247	30
1721340	Soil	4.6	91.9	35.9	185	0.4	63.7	38.9	1712	6.83	4.5	1.4	3.7	13	1.6	0.6	0.8	77	0.75	0.251	25
1721341	Soil	4.4	41.2	608.5	1570	0.7	43.0	10.4	702	2.95	6.1	<0.5	1.6	29	4.3	0.9	1.0	72	2.93	0.326	16
1721342	Soil	4.5	72.5	114.1	480	0.3	64.6	31.7	1458	4.79	3.7	<0.5	1.9	13	2.6	0.4	0.8	51	1.00	0.387	22
1721343	Soil	2.0	43.5	408.2	1530	0.4	40.7	20.3	1297	4.06	2.3	<0.5	1.9	11	3.1	0.5	1.6	68	0.88	0.327	22
1721344	Soil	3.3	63.5	294.1	1040	0.4	60.7	25.1	1521	4.74	4.2	<0.5	2.1	12	3.0	0.4	1.1	57	0.93	0.361	25
1721345	Soil	3.9	66.5	30.7	253	0.3	45.3	40.5	3036	5.94	1.3	8.8	1.4	14	1.0	0.4	1.6	58	0.55	0.251	21





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200 - 580 Hornby Street  
Vancouver BC V6C 3B6 Canada

Project: GHOST  
Report Date: August 15, 2012

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Part: 2 of 2

# CERTIFICATE OF ANALYSIS

VAN12003465.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.2
1721317	Soil	23	0.79	118	0.025	2	1.28	0.004	0.26	0.2	0.04	2.2	0.6	<0.05	4	1.4	<0.2
1721318	Soil	24	0.97	228	0.014	2	1.53	0.005	0.10	0.4	0.04	2.2	0.3	<0.05	4	1.6	<0.2
1721319	Soil	31	1.23	138	0.022	1	1.87	0.004	0.12	0.2	0.04	3.6	0.4	<0.05	5	1.2	<0.2
1721320	Soil	33	1.37	203	0.020	<1	1.89	0.004	0.10	0.6	0.03	3.5	0.3	<0.05	5	1.3	<0.2
1721321	Soil	28	1.20	198	0.016	2	1.62	0.004	0.11	0.3	0.04	3.2	0.3	<0.05	4	1.2	<0.2
1721322	Soil	31	1.14	182	0.005	<1	1.55	0.004	0.06	0.2	0.02	1.3	0.2	<0.05	5	1.7	<0.2
1721323	Soil	30	1.65	134	0.009	1	1.79	0.003	0.06	0.3	0.02	3.4	0.2	<0.05	5	2.3	<0.2
1721324	Soil	31	1.27	136	0.011	<1	1.57	0.004	0.08	0.6	0.02	2.4	0.3	<0.05	4	1.6	<0.2
1721325	Soil	29	1.21	1222	0.015	1	1.65	0.005	0.09	0.5	0.04	3.5	0.3	<0.05	5	2.2	<0.2
1721326	Soil	27	1.21	274	0.013	1	1.83	0.004	0.12	0.3	0.03	2.9	0.3	<0.05	5	1.2	<0.2
1721327	Soil	15	0.56	337	0.012	2	0.84	0.004	0.12	0.2	0.04	2.4	0.3	<0.05	3	1.7	<0.2
1721328	Soil	26	0.86	5630	0.014	2	1.37	0.006	0.14	0.6	0.05	2.3	0.3	<0.05	4	2.2	<0.2
1721329	Soil	32	0.61	1122	0.007	1	1.09	0.004	0.08	0.6	0.04	2.5	0.3	0.08	3	5.8	<0.2
1721330	Soil	30	0.96	791	0.012	4	1.47	0.007	0.12	0.2	0.03	1.9	0.2	<0.05	4	2.4	<0.2
1721331	Soil	21	2.05	3185	0.009	2	0.95	0.004	0.07	0.4	0.01	2.0	0.2	<0.05	3	2.7	<0.2
1721332	Soil	29	1.06	408	0.012	1	1.41	0.004	0.07	0.3	0.01	3.2	0.2	<0.05	4	3.0	<0.2
1721333	Soil	29	1.16	448	0.010	1	1.51	0.004	0.09	0.4	0.02	3.0	0.2	<0.05	5	3.0	<0.2
1721334	Soil	34	1.12	2631	0.019	2	1.53	0.005	0.15	0.3	0.03	3.0	0.3	0.07	5	2.1	<0.2
1721335	Soil	28	0.94	1678	0.018	2	1.55	0.006	0.14	0.3	0.02	2.7	0.3	0.07	4	2.0	<0.2
1721336	Soil	27	0.94	2075	0.016	2	1.43	0.005	0.11	0.3	0.03	2.4	0.3	<0.05	4	1.5	<0.2
1721337	Soil	25	0.87	964	0.018	2	1.44	0.006	0.12	0.4	0.03	2.4	0.3	0.05	4	1.3	<0.2
1721338	Soil	24	0.91	526	0.010	1	1.51	0.005	0.08	0.3	0.02	2.0	0.2	<0.05	4	2.0	<0.2
1721339	Soil	31	1.07	449	0.027	1	1.63	0.005	0.14	0.4	0.02	3.6	0.3	<0.05	5	2.0	<0.2
1721340	Soil	39	1.06	287	0.071	2	1.65	0.005	0.43	0.3	0.03	4.9	0.7	0.07	5	1.5	<0.2
1721341	Soil	13	1.53	3907	0.008	4	0.77	0.005	0.08	0.6	0.03	1.3	0.5	0.10	2	1.1	<0.2
1721342	Soil	25	0.90	770	0.021	3	1.65	0.006	0.15	0.2	0.03	1.7	0.4	0.05	4	0.8	<0.2
1721343	Soil	27	1.10	2224	0.036	2	1.87	0.006	0.18	0.4	0.04	2.3	0.5	<0.05	5	1.0	<0.2
1721344	Soil	25	0.86	1859	0.020	2	1.85	0.006	0.11	1.1	0.04	1.8	0.4	0.06	5	0.9	<0.2
1721345	Soil	33	1.18	360	0.024	3	2.02	0.006	0.27	0.1	0.04	1.2	0.7	0.09	7	1.0	<0.2



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Project: GHOST  
 Report Date: August 15, 2012

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# QUALITY CONTROL REPORT

VAN12003465.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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																					
1965479	Soil	4.9	90.2	36.7	227	0.4	68.7	25.9	1185	4.88	1.7	1.0	3.3	12	1.5	0.2	1.2	50	0.46	0.263	29
REP 1965479	QC	5.1	93.3	36.7	230	0.5	67.2	25.9	1245	5.07	1.5	0.8	3.2	12	1.5	0.1	1.2	49	0.46	0.243	28
1965488	Soil	7.4	102.1	381.1	748	0.7	75.9	28.4	1474	4.57	6.4	<0.5	2.2	27	8.4	0.8	1.8	73	1.45	0.355	23
REP 1965488	QC	6.9	101.6	369.5	780	0.7	74.5	28.2	1519	4.63	6.4	0.6	2.2	26	7.8	0.8	1.7	70	1.46	0.361	23
1721306	Soil	7.1	77.0	103.9	402	0.6	65.3	22.1	1720	4.51	6.8	0.6	3.0	19	3.3	0.6	1.7	44	1.71	0.531	25
REP 1721306	QC	7.2	76.8	101.0	404	0.6	64.6	21.8	1683	4.38	6.3	<0.5	3.0	19	3.4	0.6	1.8	45	1.70	0.548	25
1721315	Soil	7.1	115.8	32.2	236	0.5	89.4	37.6	1585	6.64	1.4	<0.5	6.2	12	1.5	0.4	0.8	62	0.51	0.234	40
REP 1721315	QC	7.0	116.0	31.6	235	0.5	89.8	38.1	1560	6.65	1.3	1.1	6.1	12	1.6	0.5	0.8	61	0.51	0.241	40
1721341	Soil	4.4	41.2	608.5	1570	0.7	43.0	10.4	702	2.95	6.1	<0.5	1.6	29	4.3	0.9	1.0	72	2.93	0.326	16
REP 1721341	QC	4.2	41.2	593.5	1583	0.7	44.1	10.7	731	3.01	6.3	0.8	1.6	29	4.1	0.9	0.9	71	3.01	0.336	16
Reference Materials																					
STD DS9	Standard	13.3	100.8	115.4	298	1.9	39.7	7.7	575	2.21	23.4	113.3	5.8	62	2.0	4.6	5.3	41	0.70	0.078	13
STD DS9	Standard	12.7	113.8	126.2	314	1.9	41.3	8.4	603	2.49	27.4	130.2	6.6	77	2.3	6.3	6.8	43	0.69	0.083	12
STD DS9	Standard	13.8	110.1	126.0	312	1.9	39.9	7.7	585	2.34	24.9	126.9	6.5	62	2.3	5.1	4.7	43	0.72	0.082	12
STD DS9	Standard	13.3	100.8	115.4	298	1.9	39.7	7.7	575	2.21	23.4	113.3	5.8	62	2.0	4.6	5.3	41	0.70	0.078	13
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
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	0.2	<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: GHOST  
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

VAN12003465.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1965479	Soil	20	0.93	124	0.016	1	1.57	0.003	0.09	1.0	0.03	1.8	0.3	<0.05	4	1.7	<0.2
REP 1965479	QC	21	0.87	117	0.015	<1	1.51	0.003	0.09	1.0	0.02	1.7	0.3	<0.05	5	1.0	<0.2
1965488	Soil	22	0.90	2931	0.015	4	1.37	0.005	0.07	0.5	0.04	1.9	0.2	0.12	4	2.6	<0.2
REP 1965488	QC	21	0.95	2888	0.014	3	1.36	0.005	0.07	0.5	0.04	2.0	0.2	0.15	4	2.5	<0.2
1721306	Soil	17	0.83	232	0.010	3	1.34	0.005	0.08	0.6	0.05	1.9	0.3	<0.05	3	1.5	<0.2
REP 1721306	QC	18	0.82	234	0.010	3	1.33	0.005	0.08	0.7	0.03	1.9	0.3	0.06	3	1.6	<0.2
1721315	Soil	30	1.17	126	0.019	1	1.62	0.004	0.12	0.2	0.03	3.1	0.4	<0.05	5	1.7	<0.2
REP 1721315	QC	31	1.20	124	0.019	2	1.60	0.004	0.12	0.2	0.03	3.0	0.4	<0.05	5	1.8	<0.2
1721341	Soil	13	1.53	3907	0.008	4	0.77	0.005	0.08	0.6	0.03	1.3	0.5	0.10	2	1.1	<0.2
REP 1721341	QC	13	1.58	3830	0.008	3	0.81	0.005	0.07	0.5	0.03	1.3	0.4	0.07	2	1.2	<0.2
Reference Materials																	
STD DS9	Standard	121	0.59	292	0.109	3	0.88	0.078	0.33	3.1	0.20	2.3	5.4	<0.05	5	5.0	4.9
STD DS9	Standard	119	0.61	298	0.117	3	0.90	0.084	0.37	3.2	0.19	2.8	5.5	0.18	5	7.4	5.2
STD DS9	Standard	124	0.64	289	0.102	3	0.91	0.077	0.37	2.9	0.21	2.4	5.8	0.12	5	5.6	5.6
STD DS9	Standard	121	0.59	292	0.109	3	0.88	0.078	0.33	3.1	0.20	2.3	5.4	0.09	5	5.0	4.9
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Email Distribution List  
Receiving Lab: Canada-Vancouver  
Received: October 24, 2012  
Report Date: November 07, 2012  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

VAN12005070.1

### CLIENT JOB INFORMATION

Project: GHOST  
Shipment ID: G2  
P.O. Number  
Number of Samples: 42

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

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

Invoice To: Selkirk Metals Corp.  
200 - 580 Hornby Street  
Vancouver BC V6C 3B6  
Canada

CC: Dustin Perry

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	31	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX1	31	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
7AR	16	1:1:1 Aqua Regia Digestion ICP-ES Finish	0.4	Completed	VAN

### ADDITIONAL COMMENTS



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



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Project: GHOST  
 Report Date: November 07, 2012

Page: 2 of 3

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN12005070.1

Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
G1	Prep Blank	<0.01	0.2	2.1	3.5	48	<0.1	3.7	4.4	593	2.06	<0.5	2.9	5.2	53	<0.1	<0.1	<0.1	38	0.51	0.080
G1	Prep Blank	<0.01	0.2	2.5	3.4	51	<0.1	4.6	4.7	613	2.21	<0.5	<0.5	5.1	80	<0.1	<0.1	<0.1	40	0.53	0.086
1967351	Rock	0.48	1.4	368.7	24.1	15	0.6	64.8	26.7	296	16.89	<0.5	1.3	0.3	10	0.5	0.2	14.1	<2	0.82	0.033
1967352	Rock	1.17	2.9	74.3	198.5	26	7.3	10.4	7.7	286	2.21	<0.5	<0.5	4.4	23	0.8	0.3	209.1	<2	3.67	0.036
1967353	Rock	0.88	0.4	10.5	7.1	6	0.1	8.0	3.7	732	1.40	<0.5	<0.5	5.0	186	<0.1	<0.1	0.4	<2	9.60	0.039
1967354	Rock	1.11	3.7	93.4	4.8	151	0.5	53.3	30.4	338	6.75	<0.5	<0.5	2.7	29	0.2	<0.1	1.2	128	1.65	0.213
1967355	Rock	1.93	1.2	8.7	1900	>10000	0.8	9.9	0.3	159	2.27	5.0	<0.5	0.3	44	161.5	1.1	0.8	10	2.18	0.654
1967356	Rock	2.08	0.5	2.7	4536	>10000	4.6	5.3	0.4	174	1.70	1.9	<0.5	<0.1	29	75.1	0.6	7.6	6	1.98	0.020
1967357	Rock	0.80	0.2	2.2	>10000	>10000	37.0	1.7	0.4	231	1.53	<0.5	<0.5	<0.1	333	107.9	23.0	25.2	9	17.90	0.352
1967358	Rock	0.51	0.3	1.8	>10000	8205	19.8	1.6	0.4	284	2.18	7.4	<0.5	<0.1	281	26.2	14.2	9.1	8	20.12	0.114
1967359	Rock	1.56	0.2	1.1	7273	>10000	9.2	2.0	0.4	227	1.75	5.9	<0.5	<0.1	310	39.9	5.9	6.1	5	20.34	0.138
1967360	Rock	3.00	0.3	2.6	>10000	>10000	31.0	2.9	0.6	247	3.23	3.1	0.6	<0.1	329	71.5	13.6	27.5	6	18.76	0.159
1967361	Rock	1.52	0.2	1.8	3551	8114	2.3	3.2	0.5	270	2.62	8.3	<0.5	<0.1	295	26.9	3.0	0.4	8	20.59	0.326
1967362	Rock	1.01	0.5	1.4	3553	>10000	2.0	2.6	0.5	236	2.39	4.5	<0.5	<0.1	427	62.7	2.0	0.8	5	19.86	0.103
1967272	Rock	2.63	0.4	2.4	>10000	>10000	7.8	4.1	0.3	161	3.08	12.2	<0.5	<0.1	88	35.7	6.4	2.0	6	6.99	0.008
1967273	Rock	1.72	0.2	1.0	490.2	571	0.2	2.1	0.4	110	1.64	2.9	<0.5	<0.1	38	2.2	0.2	0.2	<2	2.38	0.011
1967274	Rock	1.68	0.4	2.1	>10000	8135	7.6	5.4	0.1	116	3.34	12.6	<0.5	<0.1	54	26.0	5.9	1.4	9	1.83	0.004
1967275	Rock	1.67	0.3	0.9	755.2	120	0.2	3.2	0.5	83	5.23	10.7	<0.5	<0.1	85	0.6	0.3	<0.1	2	9.69	0.067
1967276	Rock	1.48	0.2	0.6	4902	312	1.1	1.1	0.3	62	1.66	2.4	<0.5	<0.1	126	1.6	1.2	<0.1	3	4.84	0.403
1967821	Rock	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.
1967822	Rock	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.
1967823	Rock	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.
1967824	Rock	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.
1967825	Rock	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.
1967826	Rock	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.
1967827	Rock	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.
1967828	Rock	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.
1967829	Rock	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.
1967830	Rock	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.
1967831	Rock	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.



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Project: GHOST  
 Report Date: November 07, 2012

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# CERTIFICATE OF ANALYSIS

VAN12005070.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7AR
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.01	0.01
G1	Prep Blank	8	7	0.58	216	0.124	<20	1.00	0.084	0.50	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2	
G1	Prep Blank	10	8	0.62	234	0.133	<20	1.08	0.094	0.52	0.1	<0.01	2.2	0.3	<0.05	6	<0.5	<0.2	
1967351	Rock	2	1	0.04	90	0.001	<20	0.05	0.003	0.02	2.8	0.02	1.8	<0.1	0.30	<1	18.0	<0.2	
1967352	Rock	8	3	0.06	534	0.002	<20	0.18	0.007	0.11	33.6	<0.01	0.6	<0.1	<0.05	<1	2.6	0.9	
1967353	Rock	10	2	0.17	101	0.002	<20	0.20	0.007	0.14	0.1	<0.01	0.6	<0.1	0.17	<1	<0.5	<0.2	
1967354	Rock	9	57	1.81	241	0.106	<20	1.91	0.042	0.91	0.1	<0.01	6.8	0.7	1.37	7	2.6	<0.2	
1967355	Rock	3	2	0.54	2392	0.003	<20	0.11	0.003	0.08	0.2	1.74	0.2	0.8	0.10	4	9.9	<0.2	0.18 18.44
1967356	Rock	<1	2	0.43	489	<0.001	<20	0.04	0.002	0.02	<0.1	0.40	0.2	0.2	0.29	<1	2.8	<0.2	0.43 4.48
1967357	Rock	3	3	7.75	106	0.001	<20	0.02	0.004	0.03	0.1	1.73	0.3	0.4	2.12	1	39.3	1.1	2.91 3.06
1967358	Rock	2	1	9.44	102	<0.001	<20	0.02	0.004	0.03	<0.1	0.54	0.2	0.4	2.19	<1	17.3	0.8	1.61 0.81
1967359	Rock	2	1	7.85	76	<0.001	<20	0.03	0.004	0.04	<0.1	0.59	0.3	0.6	1.75	<1	4.9	0.3	0.72 1.08
1967360	Rock	2	2	8.22	59	<0.001	<20	0.03	0.004	0.04	<0.1	0.91	0.2	0.7	3.32	<1	23.9	0.8	2.22 2.01
1967361	Rock	3	2	9.83	55	0.001	<20	0.02	0.003	0.02	<0.1	0.68	0.3	0.3	2.56	<1	3.7	<0.2	
1967362	Rock	2	2	8.19	65	<0.001	<20	0.03	0.003	0.05	<0.1	0.57	0.2	0.2	2.37	<1	3.4	<0.2	0.33 1.69
1967272	Rock	<1	<1	0.56	49	<0.001	<20	0.07	0.004	0.09	<0.1	0.50	0.2	1.6	3.00	1	5.4	0.5	2.29 1.16
1967273	Rock	<1	2	0.25	445	<0.001	47	0.05	0.011	0.05	<0.1	0.09	0.3	0.5	0.36	<1	<0.5	<0.2	
1967274	Rock	<1	<1	1.06	91	<0.001	<20	0.12	0.004	0.12	<0.1	0.28	0.2	1.8	1.77	1	6.0	0.5	2.59 0.83
1967275	Rock	<1	2	0.89	12	<0.001	581	0.12	0.106	0.10	<0.1	<0.01	1.0	2.1	5.32	<1	<0.5	<0.2	
1967276	Rock	2	1	0.61	85	0.002	66	0.09	0.014	0.12	<0.1	0.01	0.5	1.9	1.35	2	0.6	0.2	
1967821	Rock	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.
1967822	Rock	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.
1967823	Rock	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.
1967824	Rock	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.
1967825	Rock	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.
1967826	Rock	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.
1967827	Rock	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.
1967828	Rock	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.
1967829	Rock	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.
1967830	Rock	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.
1967831	Rock	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.



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Project: GHOST  
 Report Date: November 07, 2012

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# CERTIFICATE OF ANALYSIS

VAN12005070.1

Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1966576	Rock	1.02	0.8	21.4	32.4	677	0.2	44.5	13.3	340	3.35	0.5	<0.5	8.2	3	2.2	<0.1	<0.1	4	0.10	0.035
1966577	Rock	0.83	0.5	20.8	32.0	391	0.1	27.5	7.1	306	1.78	<0.5	<0.5	2.9	4	1.6	<0.1	<0.1	<2	0.07	0.028
1967080	Rock	0.87	1.9	9.2	5059	>10000	1.2	2.2	0.2	23	29.28	42.5	3.0	0.1	10	10.8	3.0	<0.1	7	0.04	0.024
1965821	Rock	2.57	1.2	2.5	1185	982	0.6	1.1	0.2	34	3.36	5.8	1.2	<0.1	17	1.7	0.6	0.3	3	1.87	0.025
1965822	Rock	1.87	0.2	0.6	61.0	615	<0.1	2.5	0.2	171	0.52	0.6	<0.5	<0.1	92	2.9	<0.1	0.1	6	2.74	0.008
1965823	Rock	1.66	0.1	1.2	2477	6141	0.7	0.9	0.2	54	0.25	1.8	<0.5	<0.1	110	6.6	2.1	<0.1	3	7.01	0.019
1965824	Rock	1.24	1.1	7.5	>10000	>10000	3.2	3.5	0.3	289	0.56	1.0	<0.5	<0.1	101	279.8	4.8	<0.1	9	12.43	0.021
1965825	Rock	0.86	2.2	9.5	744.7	>10000	0.3	3.1	0.6	677	1.43	10.6	<0.5	0.2	115	153.2	0.6	<0.1	16	22.80	0.021
1965826	Rock	1.78	0.2	4.7	8235	>10000	13.1	1.3	0.2	122	4.45	4.4	<0.5	<0.1	154	159.1	0.5	27.2	<2	4.97	0.003
1965827	Rock	2.14	0.3	6.1	>10000	>10000	6.9	1.7	0.2	174	1.09	6.7	<0.5	<0.1	42	117.2	15.3	0.1	3	4.23	0.002
1965828	Rock	1.36	0.3	6.6	>10000	>10000	8.6	0.6	0.2	192	0.94	6.1	<0.5	<0.1	127	100.0	8.5	0.8	4	8.97	0.004
1965829	Rock	0.81	0.6	0.5	>10000	1426	3.8	1.8	0.3	60	2.63	5.4	<0.5	<0.1	134	4.9	4.5	<0.1	3	5.81	0.022
1965830	Rock	1.34	0.3	1.1	9188	4090	1.9	1.7	0.2	81	2.18	4.2	<0.5	<0.1	148	8.1	2.5	0.1	<2	6.81	0.014
1965831	Rock	1.16	0.2	0.8	2350	221	0.5	1.5	0.3	82	1.36	3.7	<0.5	<0.1	84	1.2	0.7	<0.1	2	5.93	0.011



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Project: GHOST  
 Report Date: November 07, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7AR	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.01	0.01	
1966576	Rock	8	15	0.43	52	<0.001	<20	1.04	0.006	0.12	<0.1	0.02	1.4	<0.1	0.05	3	<0.5	<0.2		
1966577	Rock	4	9	0.22	37	<0.001	<20	0.52	0.005	0.08	<0.1	0.01	0.8	<0.1	<0.05	1	<0.5	<0.2		
1967080	Rock	1	3	0.01	845	<0.001	<20	0.09	0.002	<0.01	<0.1	1.12	0.4	0.2	0.13	4	1.1	<0.2	0.48	1.45
1965821	Rock	<1	2	0.22	538	<0.001	225	0.08	0.034	0.08	<0.1	1.05	0.3	0.9	0.11	2	<0.5	<0.2		
1965822	Rock	<1	1	1.17	2599	0.001	<20	0.08	0.003	0.04	<0.1	0.01	0.1	0.5	0.15	<1	<0.5	<0.2		
1965823	Rock	<1	2	0.03	1288	<0.001	259	0.04	0.037	0.02	<0.1	4.64	0.3	0.3	0.21	<1	<0.5	<0.2		
1965824	Rock	1	<1	0.31	23	0.001	<20	0.07	0.003	0.01	<0.1	2.26	0.5	0.8	2.58	3	6.7	<0.2	2.25	7.16
1965825	Rock	<1	2	1.18	18	<0.001	<20	0.18	0.004	<0.01	0.2	5.39	0.8	0.3	2.95	5	5.2	<0.2	0.07	9.56
1965826	Rock	<1	<1	0.89	12	<0.001	<20	0.02	0.002	0.02	<0.1	1.29	0.2	1.1	4.79	<1	7.9	0.3	0.85	8.64
1965827	Rock	<1	2	0.30	21	<0.001	<20	0.02	0.002	0.01	<0.1	0.46	0.5	3.7	3.12	2	5.0	<0.2	4.31	6.15
1965828	Rock	<1	<1	0.55	36	<0.001	<20	0.02	0.003	0.01	<0.1	0.47	0.5	0.9	2.07	1	4.5	0.5	3.01	5.27
1965829	Rock	<1	2	0.53	30	<0.001	123	0.12	0.022	0.14	<0.1	0.02	0.4	4.4	2.79	2	2.0	1.0	1.62	0.14
1965830	Rock	<1	<1	0.58	61	<0.001	84	0.03	0.017	0.03	<0.1	0.05	0.5	1.1	2.31	<1	1.8	0.3		
1965831	Rock	<1	2	0.82	306	<0.001	353	0.06	0.059	0.05	<0.1	0.01	0.6	0.8	0.85	<1	<0.5	0.2		





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Project: GHOST  
 Report Date: November 07, 2012

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# QUALITY CONTROL REPORT

VAN12005070.1

Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1967274	Rock	1.68	0.4	2.1	>10000	8135	7.6	5.4	0.1	116	3.34	12.6	<0.5	<0.1	54	26.0	5.9	1.4	9	1.83	0.004
REP 1967274	QC																				
1965824	Rock	1.24	1.1	7.5	>10000	>10000	3.2	3.5	0.3	289	0.56	1.0	<0.5	<0.1	101	279.8	4.8	<0.1	9	12.43	0.021
REP 1965824	QC		1.2	7.3	>10000	>10000	3.2	3.8	0.4	287	0.57	1.0	<0.5	<0.1	100	277.7	4.9	<0.1	9	12.59	0.022
Reference Materials																					
STD DS9	Standard		12.9	110.3	113.5	276	2.0	39.8	7.8	608	2.43	26.7	151.4	6.5	72	2.7	4.3	5.7	44	0.73	0.087
STD GC-7	Standard																				
STD OREAS133B	Standard																				
STD OREAS45EA	Standard		1.4	731.9	17.0	33	0.3	399.3	54.3	430	24.58	9.8	63.3	11.6	4	<0.1	0.1	0.2	318	0.04	0.030
STD OREAS45EA Expected			1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	53	10.7	4.05	0.03	0.64	0.26	295	0.032	0.029
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD GC-7 Expected																					
STD OREAS133B Expected																					
BLK	Blank		<0.1	<0.1	0.3	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
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.2	2.1	3.5	48	<0.1	3.7	4.4	593	2.06	<0.5	2.9	5.2	53	<0.1	<0.1	<0.1	38	0.51	0.080
G1	Prep Blank	<0.01	0.2	2.5	3.4	51	<0.1	4.6	4.7	613	2.21	<0.5	<0.5	5.1	80	<0.1	<0.1	<0.1	40	0.53	0.086



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Project: GHOST  
 Report Date: November 07, 2012

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QUALITY CONTROL REPORT

VAN12005070.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7AR	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.01	0.01	
Pulp Duplicates																				
1967274	Rock	<1	<1	1.06	91	<0.001	<20	0.12	0.004	0.12	<0.1	0.28	0.2	1.8	1.77	1	6.0	0.5	2.59	0.83
REP 1967274	QC																		2.60	0.82
1965824	Rock	1	<1	0.31	23	0.001	<20	0.07	0.003	0.01	<0.1	2.26	0.5	0.8	2.58	3	6.7	<0.2	2.25	7.16
REP 1965824	QC	1	<1	0.31	23	0.001	<20	0.08	0.003	0.01	<0.1	2.14	0.5	0.8	2.54	3	6.3	<0.2		
Reference Materials																				
STD DS9	Standard	13	122	0.63	339	0.113	<20	0.97	0.085	0.41	3.0	0.21	2.4	5.8	0.18	5	4.4	5.2		
STD GC-7	Standard																		>10	21.04
STD OREAS133B	Standard																		5.14	10.93
STD OREAS45EA	Standard	7	929	0.11	155	0.096	<20	3.33	0.025	0.06	<0.1	<0.01	82.6	<0.1	<0.05	13	0.7	<0.2		
STD OREAS45EA Expected		8.19	849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7	2.09	0.11		
STD DS9 Expected		13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02		
STD GC-7 Expected																			10.44	22.06
STD OREAS133B Expected																			5.07	11.12
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																		<0.01	<0.01
Prep Wash																				
G1	Prep Blank	8	7	0.58	216	0.124	<20	1.00	0.084	0.50	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2		
G1	Prep Blank	10	8	0.62	234	0.133	<20	1.08	0.094	0.52	0.1	<0.01	2.2	0.3	<0.05	6	<0.5	<0.2		



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**Client:** Selkirk Metals Corp.  
200 - 580 Hornby Street  
Vancouver BC V6C 3B6 Canada

Submitted By: Email Distribution List  
Receiving Lab: Canada-Vancouver  
Received: October 24, 2012  
Report Date: November 08, 2012  
Page: 1 of 4

## CERTIFICATE OF ANALYSIS

VAN12005071.1

### CLIENT JOB INFORMATION

Project: GHOST  
Shipment ID: G2  
P.O. Number  
Number of Samples: 87

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

Invoice To: Selkirk Metals Corp.  
200 - 580 Hornby Street  
Vancouver BC V6C 3B6  
Canada

CC: Dustin Perry

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	84	Dry at 60C			VAN
SS80	84	Dry at 60C sieve 100g to -80 mesh			VAN
RJSV	84	Saving all or part of Soil Reject			VAN
1DX2	84	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### ADDITIONAL COMMENTS



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



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Project: GHOST  
 Report Date: November 08, 2012

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Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN12005071.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	MDL	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
1965832	Soil	4.2	72.8	288.7	1154	0.6	61.6	16.6	985	3.94	16.9	<0.5	3.2	20	5.3	1.2	1.6	57	1.53	0.313	25
1965833	Soil	4.8	78.5	316.9	739	0.8	64.9	26.9	1699	4.62	3.5	<0.5	2.1	23	5.4	0.5	1.7	74	1.51	0.359	31
1965834	Soil	6.2	100.0	237.0	505	0.7	71.9	27.4	1505	4.67	6.2	1.8	2.5	26	5.6	0.7	1.5	70	1.46	0.315	24
1965835	Soil	5.5	118.5	271.2	663	1.1	84.5	36.2	1766	5.89	5.4	<0.5	3.2	17	4.1	0.6	2.1	71	0.77	0.355	38
1965836	Soil	5.1	90.6	763.4	857	1.1	75.1	28.7	1834	4.09	8.1	0.7	2.0	45	5.8	0.9	2.5	96	3.11	0.459	27
1965837	Soil	7.3	85.2	313.6	604	0.8	80.4	24.5	1494	4.44	16.2	<0.5	2.5	40	6.0	1.6	1.4	89	2.41	0.868	26
1965838	Soil	2.7	49.2	959.7	1042	1.3	43.4	14.1	1452	3.30	11.7	<0.5	1.3	32	7.7	1.3	3.9	89	2.89	0.556	26
1965839	Soil	4.8	58.5	529.1	717	0.8	51.4	13.4	941	2.82	11.7	1.3	1.4	47	3.9	1.3	1.4	69	4.36	0.416	14
1965840	Soil	8.0	112.7	387.3	766	1.1	92.9	21.2	935	4.22	9.2	0.6	2.7	53	7.1	0.9	1.5	75	4.04	0.375	19
1965841	Soil	7.2	85.4	601.7	641	2.0	85.2	25.7	1078	4.68	8.9	<0.5	3.4	31	4.0	1.0	5.9	84	1.56	0.445	27
1965842	Soil	4.8	83.0	585.9	963	0.7	62.5	19.9	988	3.97	5.2	<0.5	2.5	47	3.6	1.0	1.0	69	4.29	0.328	17
1965843	Soil	3.8	75.3	443.7	656	0.9	66.5	22.3	1504	4.28	5.8	<0.5	2.2	44	4.1	1.2	1.0	79	3.55	0.498	24
1965844	Soil	5.1	61.5	305.9	658	0.5	59.7	26.7	1716	5.07	5.8	<0.5	2.5	21	3.3	0.9	0.9	58	1.13	0.303	24
1965845	Soil	3.2	49.3	541.2	1048	0.4	54.7	15.9	884	3.50	4.8	<0.5	1.6	106	3.6	1.0	0.5	48	7.48	0.261	15
1965846	Soil	3.5	43.3	636.7	1200	0.5	38.7	12.8	1328	2.99	8.4	0.6	1.1	43	6.0	1.3	0.8	67	3.55	0.347	19
1965847	Soil	5.7	75.8	264.5	888	0.4	85.4	27.6	1128	5.44	3.6	<0.5	2.8	16	1.5	0.9	0.8	85	0.90	0.381	27
1965848	Soil	3.1	33.0	379.9	1032	0.5	30.9	7.8	644	2.30	8.3	<0.5	1.4	44	4.6	0.9	0.9	52	4.45	0.272	13
1965849	Soil	4.4	68.3	283.8	847	0.6	58.8	16.1	605	4.44	5.5	0.5	6.5	25	2.1	0.7	0.9	101	1.82	0.333	27
1965850	Soil	1.3	20.3	389.8	811	0.3	19.1	7.3	1032	1.72	6.5	<0.5	0.7	55	3.3	0.9	0.6	50	5.67	0.393	13
1966551	Soil	1.1	17.2	726.2	1780	1.0	20.0	5.8	1002	2.14	5.8	<0.5	0.5	28	5.6	1.0	3.0	46	3.71	0.347	12
1966552	Soil	1.0	16.7	581.4	2448	0.7	17.9	5.8	804	2.15	5.2	<0.5	1.1	33	5.8	0.8	1.7	42	4.83	0.276	11
1966553	Soil	1.4	23.8	449.1	1429	0.3	27.4	9.9	1489	3.45	3.1	<0.5	2.6	13	3.6	0.6	1.1	36	0.80	0.265	22
1965801	Soil	2.6	25.1	43.8	79	0.2	14.5	6.7	596	3.77	4.9	<0.5	2.4	6	0.2	0.5	1.0	42	0.08	0.228	11
1965802	Soil	2.2	27.8	53.2	274	0.2	27.4	10.9	829	2.48	3.8	<0.5	1.1	11	0.8	0.5	0.6	34	0.45	0.293	15
1965803	Soil	3.1	23.8	66.8	229	0.2	20.5	13.2	1059	3.06	3.5	<0.5	0.5	10	0.9	0.5	0.7	43	0.17	0.165	14
1965804	Soil	3.5	47.1	1179	2492	1.0	42.8	11.6	1177	4.16	10.9	<0.5	1.9	29	2.1	0.8	2.0	51	1.08	0.483	28
1965805	Soil	5.3	36.2	789.3	1181	0.3	36.2	14.6	916	4.85	7.6	<0.5	1.6	19	0.9	0.7	1.4	64	0.70	0.305	17
1965806	Soil	5.6	34.1	931.1	1724	0.3	32.4	12.1	1308	4.00	15.8	<0.5	2.0	34	1.1	1.5	1.1	53	2.11	0.946	22
1965807	Soil	4.9	39.4	859.8	988	0.2	31.2	12.4	978	4.86	8.8	<0.5	1.3	9	1.0	1.3	1.5	63	0.27	0.305	14
1965808	Soil	6.3	44.0	331.0	626	0.2	42.7	14.4	1326	4.70	30.4	0.9	1.3	9	3.3	1.3	1.4	53	0.25	0.242	15

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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# CERTIFICATE OF ANALYSIS

VAN12005071.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1965832	Soil	24	1.04	2250	0.022	5	1.34	0.007	0.09	1.1	0.07	2.6	0.3	0.06	4	1.8	<0.2
1965833	Soil	26	1.03	4164	0.017	5	1.85	0.006	0.12	0.6	0.06	2.0	0.3	0.09	4	2.4	<0.2
1965834	Soil	23	1.02	2902	0.012	5	1.27	0.006	0.09	0.4	0.05	2.2	0.2	0.11	4	2.6	<0.2
1965835	Soil	29	0.91	2898	0.020	3	1.79	0.007	0.13	0.4	0.06	2.7	0.3	0.06	5	2.3	<0.2
1965836	Soil	27	1.59	7168	0.016	5	1.53	0.007	0.12	0.6	0.06	2.2	0.3	0.08	4	1.6	<0.2
1965837	Soil	35	0.82	6158	0.017	5	1.48	0.008	0.15	0.7	0.12	2.5	0.3	0.06	4	2.5	<0.2
1965838	Soil	22	0.98	6030	0.011	6	1.13	0.007	0.12	0.3	0.06	1.8	0.3	0.11	3	1.8	<0.2
1965839	Soil	23	2.05	6695	0.014	4	0.87	0.005	0.11	0.3	0.06	1.7	0.3	0.08	2	2.0	<0.2
1965840	Soil	27	2.02	3062	0.008	4	1.01	0.004	0.08	0.4	0.03	2.0	0.2	0.12	3	2.8	<0.2
1965841	Soil	26	0.97	3645	0.010	4	1.27	0.006	0.09	0.3	0.06	3.2	0.2	0.10	4	2.7	0.3
1965842	Soil	22	2.26	3766	0.013	3	0.98	0.005	0.10	0.4	0.02	2.0	0.3	0.07	3	1.8	<0.2
1965843	Soil	22	1.79	4614	0.009	3	1.02	0.005	0.10	0.3	0.08	1.9	0.3	0.12	3	2.0	<0.2
1965844	Soil	27	0.87	2237	0.013	3	1.20	0.005	0.11	0.3	0.05	2.5	0.2	0.09	3	1.7	<0.2
1965845	Soil	14	2.25	2209	0.007	2	0.58	0.004	0.08	0.3	0.04	1.5	0.3	0.16	2	1.0	<0.2
1965846	Soil	18	1.43	3328	0.008	5	0.79	0.005	0.10	0.3	0.06	1.5	0.3	0.15	2	1.1	<0.2
1965847	Soil	50	1.01	1344	0.027	2	1.90	0.004	0.13	0.2	0.04	2.1	0.4	0.08	5	1.5	<0.2
1965848	Soil	12	2.06	3206	0.008	4	0.58	0.004	0.07	0.4	0.05	1.1	0.4	0.11	2	0.7	<0.2
1965849	Soil	25	1.13	3670	0.015	2	1.50	0.005	0.09	0.6	0.04	2.9	0.4	0.05	5	1.0	<0.2
1965850	Soil	19	2.01	4528	0.009	5	0.64	0.006	0.08	0.3	0.07	0.9	0.2	0.13	2	0.7	<0.2
1966551	Soil	14	1.66	3085	0.008	4	0.72	0.005	0.07	0.3	0.05	0.8	0.4	0.10	2	1.0	<0.2
1966552	Soil	12	2.09	2901	0.008	3	0.62	0.004	0.07	0.3	0.05	0.9	0.4	0.13	1	0.9	<0.2
1966553	Soil	14	0.43	2262	0.012	2	1.08	0.005	0.14	0.6	0.02	1.8	0.6	0.06	3	0.8	<0.2
1965801	Soil	16	0.34	90	0.075	2	1.78	0.012	0.06	0.1	0.06	1.9	0.2	<0.05	11	1.2	<0.2
1965802	Soil	22	0.40	244	0.029	2	2.07	0.006	0.07	0.2	0.04	1.3	0.2	<0.05	5	0.7	<0.2
1965803	Soil	27	0.65	115	0.028	3	2.44	0.014	0.09	<0.1	0.06	1.0	0.2	0.10	10	0.9	<0.2
1965804	Soil	16	0.39	419	0.036	2	2.53	0.012	0.06	0.9	0.06	2.1	0.3	<0.05	4	1.7	<0.2
1965805	Soil	22	0.57	205	0.019	2	2.33	0.007	0.07	0.6	0.06	1.0	0.3	0.08	7	2.0	<0.2
1965806	Soil	17	0.57	178	0.031	2	2.40	0.010	0.08	0.7	0.06	1.9	0.3	0.07	6	1.5	<0.2
1965807	Soil	17	0.44	178	0.018	3	1.35	0.006	0.09	0.9	0.06	1.2	0.4	<0.05	5	1.1	<0.2
1965808	Soil	18	0.46	118	0.021	2	1.46	0.005	0.08	0.4	0.06	1.4	0.3	<0.05	6	1.5	<0.2



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Project: GHOST  
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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	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	
1965809	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.	L.N.R.
1965810	Soil	5.1	50.9	123.4	238	0.4	39.0	30.7	1961	5.31	6.8	<0.5	1.5	13	1.6	1.0	1.4	50	0.48	0.216	22	
1965811	Soil	5.8	59.0	26.9	182	0.3	40.1	25.2	1387	5.05	1.0	<0.5	2.5	8	0.7	0.3	1.0	50	0.14	0.202	24	
1965812	Soil	5.0	67.8	113.5	206	0.6	50.2	28.1	1763	4.78	8.5	<0.5	1.7	14	2.8	0.8	1.1	41	0.41	0.202	24	
1965813	Soil	4.0	52.6	66.2	221	0.3	41.5	33.3	1840	5.04	6.6	0.9	1.7	11	4.0	0.7	1.0	39	0.32	0.257	21	
1965814	Soil	4.7	77.5	77.0	226	0.6	54.9	31.0	1676	5.18	8.7	0.6	1.5	17	3.6	0.6	3.4	39	0.84	0.289	27	
1965815	Soil	4.5	86.1	40.4	249	0.4	64.3	31.8	1606	5.28	4.9	1.3	3.9	23	3.2	0.4	0.8	39	1.26	0.367	35	
1965816	Soil	4.7	58.2	106.9	281	0.4	48.7	27.4	1839	4.94	9.5	10.6	1.7	24	3.7	0.8	0.8	42	1.63	0.491	24	
1965817	Soil	5.4	93.3	58.9	245	1.0	63.9	45.8	1795	7.15	4.3	1.6	2.7	28	1.9	0.8	0.8	54	1.77	0.560	35	
1965818	Soil	5.3	52.7	81.7	246	0.3	46.9	27.8	1556	5.20	8.7	3.7	0.9	18	5.5	0.8	0.8	48	1.05	0.418	19	
1965819	Soil	6.7	75.8	34.7	266	0.3	54.6	31.5	1301	6.01	5.5	<0.5	2.0	15	4.6	0.4	0.8	74	0.49	0.325	21	
1965820	Soil	5.5	70.6	81.1	275	0.4	54.6	23.4	1138	5.30	16.9	1.5	2.4	16	2.2	0.8	1.1	66	0.74	0.253	22	
1967251	Soil	3.0	30.9	27.3	122	0.2	24.9	15.0	1435	4.24	3.6	1.4	1.0	10	0.2	0.3	0.7	49	0.10	0.315	12	
1967252	Soil	6.1	28.4	42.1	155	0.4	27.6	12.3	1210	4.09	5.5	4.4	0.5	16	0.4	0.7	1.0	54	0.05	0.167	12	
1967253	Soil	5.1	50.3	56.2	235	0.3	43.9	14.8	822	4.82	4.9	<0.5	1.7	14	0.5	0.6	1.0	57	0.22	0.240	17	
1967254	Soil	3.6	29.9	42.9	218	0.2	28.5	17.3	1475	4.42	2.9	<0.5	0.5	11	0.7	0.4	0.8	57	0.13	0.174	13	
1967255	Soil	3.8	53.1	289.3	871	0.2	41.6	22.8	1439	5.19	3.9	<0.5	1.2	19	0.5	0.7	1.3	73	0.29	0.203	17	
1967256	Soil	3.1	39.3	56.4	211	0.3	33.8	17.6	1156	4.61	4.7	<0.5	0.9	10	0.5	0.6	0.8	65	0.20	0.181	16	
1967257	Soil	3.7	51.6	108.3	308	0.3	41.5	19.4	1339	4.71	5.4	<0.5	1.0	14	1.0	0.6	1.0	65	0.27	0.233	15	
1967258	Soil	3.1	52.7	170.6	320	0.2	40.2	17.2	1160	4.68	8.0	<0.5	1.7	10	0.6	0.5	1.0	64	0.15	0.162	16	
1967259	Soil	3.1	63.6	224.7	463	0.2	47.0	19.4	940	4.76	4.6	<0.5	2.7	17	0.8	0.5	1.2	62	0.34	0.219	19	
1967260	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.	L.N.R.
1967261	Soil	2.4	38.9	189.5	869	0.2	46.4	20.0	1121	4.61	6.0	<0.5	1.4	49	1.2	0.3	0.9	63	1.37	0.325	23	
1967262	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.	L.N.R.
1967263	Soil	3.8	48.7	54.8	240	0.4	37.4	17.2	1112	4.32	2.4	<0.5	0.8	12	0.4	0.5	0.6	56	0.22	0.151	15	
1967264	Soil	5.5	42.7	49.0	203	0.2	49.0	23.2	1051	5.60	0.9	<0.5	2.0	25	0.5	0.2	0.8	79	0.61	0.159	21	
1967265	Soil	3.8	41.8	58.3	222	0.3	37.0	26.7	2093	4.69	4.5	<0.5	0.6	17	1.3	0.6	0.7	46	0.63	0.241	17	
1967266	Soil	5.5	63.4	84.4	263	0.3	48.1	32.2	2365	5.70	3.9	<0.5	1.6	10	1.2	0.6	0.9	54	0.48	0.395	25	
1967267	Soil	3.1	70.0	79.1	206	0.5	47.1	31.9	1691	5.01	13.8	<0.5	2.0	20	4.5	1.1	0.9	38	1.70	0.452	25	
1967268	Soil	5.6	58.0	77.6	248	0.4	47.3	31.2	1730	5.68	8.1	<0.5	1.2	14	2.4	0.6	0.8	52	0.68	0.301	21	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1965809	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.
1965810	Soil	24	0.83	154	0.009	3	1.51	0.006	0.09	0.2	0.04	0.9	0.3	0.10	6	1.3	<0.2
1965811	Soil	27	1.09	126	0.010	2	1.67	0.004	0.09	0.5	0.01	1.1	0.3	<0.05	5	1.4	<0.2
1965812	Soil	24	0.85	156	0.009	1	1.24	0.004	0.10	0.4	0.05	1.1	0.2	0.07	4	1.9	<0.2
1965813	Soil	29	0.83	131	0.012	3	1.41	0.004	0.12	0.1	0.04	1.3	0.2	0.10	5	0.9	<0.2
1965814	Soil	24	0.82	151	0.010	3	1.20	0.004	0.12	0.5	0.03	1.4	0.3	0.08	4	1.9	<0.2
1965815	Soil	21	0.77	281	0.023	4	1.18	0.005	0.20	0.2	0.05	2.2	0.4	0.08	3	1.7	<0.2
1965816	Soil	21	0.76	259	0.013	5	1.23	0.005	0.15	0.4	0.04	1.6	0.3	0.08	4	1.2	<0.2
1965817	Soil	28	1.12	186	0.018	3	1.64	0.006	0.14	0.2	0.04	2.6	0.3	<0.05	4	2.3	<0.2
1965818	Soil	23	0.70	273	0.008	4	1.15	0.006	0.11	0.4	0.05	0.8	0.3	<0.05	4	1.5	<0.2
1965819	Soil	30	1.20	179	0.010	4	1.49	0.005	0.12	0.1	0.03	1.8	0.3	<0.05	5	1.6	<0.2
1965820	Soil	29	1.29	446	0.015	3	1.62	0.006	0.11	0.2	0.04	2.5	0.3	<0.05	5	1.2	<0.2
1967251	Soil	33	0.83	118	0.069	4	2.82	0.015	0.22	0.1	0.05	2.1	0.3	<0.05	15	1.3	<0.2
1967252	Soil	27	0.59	160	0.033	2	1.48	0.007	0.11	0.3	0.03	1.0	0.2	<0.05	7	1.2	<0.2
1967253	Soil	34	0.93	120	0.049	2	1.93	0.007	0.12	0.2	0.04	1.7	0.3	<0.05	8	1.0	<0.2
1967254	Soil	33	0.85	107	0.035	3	2.29	0.012	0.13	0.2	0.03	1.0	0.2	<0.05	11	0.7	<0.2
1967255	Soil	41	1.41	163	0.048	3	2.78	0.019	0.18	0.3	0.03	2.1	0.4	<0.05	9	0.6	<0.2
1967256	Soil	39	1.08	102	0.049	3	2.73	0.012	0.15	0.2	0.06	2.3	0.3	<0.05	10	0.8	<0.2
1967257	Soil	38	1.06	130	0.049	3	3.11	0.014	0.16	0.2	0.04	2.1	0.3	<0.05	10	0.5	<0.2
1967258	Soil	35	1.08	110	0.060	1	2.86	0.012	0.14	0.3	0.05	2.3	0.3	<0.05	9	1.1	<0.2
1967259	Soil	37	1.17	121	0.053	2	3.14	0.017	0.17	0.3	0.04	3.1	0.3	<0.05	8	1.1	<0.2
1967260	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.
1967261	Soil	41	1.22	403	0.032	2	2.33	0.026	0.10	0.2	0.03	2.5	0.3	<0.05	6	1.3	<0.2
1967262	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.
1967263	Soil	29	0.84	123	0.039	1	2.65	0.010	0.09	0.2	0.03	1.3	0.3	<0.05	9	1.3	<0.2
1967264	Soil	43	1.67	304	0.062	1	3.07	0.013	0.07	0.1	0.01	2.8	0.3	<0.05	9	1.8	<0.2
1967265	Soil	25	0.68	182	0.016	2	1.67	0.009	0.09	0.1	0.04	0.7	0.2	0.09	8	1.3	<0.2
1967266	Soil	26	0.79	202	0.019	2	1.64	0.006	0.15	0.2	0.03	1.8	0.4	<0.05	5	0.7	<0.2
1967267	Soil	25	0.83	176	0.014	4	1.19	0.007	0.14	0.2	0.06	2.4	0.2	0.11	3	2.1	<0.2
1967268	Soil	22	0.72	239	0.011	4	1.39	0.006	0.10	0.3	0.03	1.2	0.3	<0.05	5	1.8	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	MDL	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
1967269	Soil	1.9	54.1	279.3	517	0.2	46.0	13.9	1390	2.15	2.9	<0.5	2.0	12	2.4	1.2	0.5	48	1.28	0.509	27
1967270	Soil	21.4	61.5	423.1	827	0.5	126.6	17.3	924	3.71	12.9	1.2	1.3	19	2.9	1.0	1.8	94	0.36	0.291	12
1967271	Soil	14.7	43.8	349.1	641	0.4	94.1	15.2	968	3.14	12.8	<0.5	0.5	25	3.3	1.0	1.3	90	0.31	0.263	9
1967277	Soil	4.8	42.9	645.4	910	0.3	52.9	15.3	1156	3.75	6.2	<0.5	0.7	19	3.2	0.7	1.4	68	0.50	0.380	16
1967278	Soil	6.3	49.6	377.4	484	0.7	52.1	23.4	1220	5.17	7.2	<0.5	1.9	12	2.8	0.7	2.1	82	0.68	0.329	24
1967279	Soil	6.6	110.3	290.7	540	0.9	85.8	25.4	1180	5.06	8.5	<0.5	3.6	21	5.0	1.2	1.6	66	1.47	0.264	27
1967280	Soil	4.7	104.8	252.0	420	0.9	73.5	41.9	2776	6.80	4.4	<0.5	2.8	21	2.5	0.5	0.9	66	0.89	0.296	39
1967281	Soil	4.4	57.8	550.4	560	0.6	53.7	17.8	1505	3.62	13.0	1.2	1.3	38	6.0	1.4	1.7	64	2.18	0.357	17
1967282	Soil	6.0	54.8	1348	1744	1.6	78.6	19.7	1446	4.46	7.5	<0.5	1.9	24	8.1	1.4	2.5	100	1.68	0.488	24
1967283	Soil	5.7	60.1	970.5	1214	0.7	89.5	27.9	1245	5.09	6.4	<0.5	2.4	16	4.9	0.8	2.6	75	1.02	0.364	24
1967284	Soil	6.9	78.7	432.2	769	1.0	71.3	17.4	629	3.60	7.9	<0.5	3.0	46	4.9	0.9	1.5	61	4.32	0.248	14
1967285	Soil	4.1	103.1	228.6	511	0.8	76.8	30.4	2005	6.02	7.8	<0.5	3.2	37	4.9	0.8	1.2	56	3.39	1.426	40
1967286	Soil	4.5	61.8	704.3	1158	0.8	57.5	19.6	929	4.38	5.0	<0.5	2.3	20	3.4	1.0	1.0	76	1.60	0.374	19
1967287	Soil	6.4	39.9	785.9	1053	1.0	51.2	19.0	1450	5.62	5.6	<0.5	2.3	22	2.4	1.1	2.1	83	0.84	0.361	21
1967288	Soil	4.6	48.9	428.9	560	0.4	46.0	27.5	2003	5.10	4.7	<0.5	1.3	22	2.4	0.9	0.8	74	1.14	0.318	20
1967289	Soil	4.2	52.0	617.0	1607	0.7	61.6	22.4	1725	4.89	5.6	<0.5	1.6	20	5.3	0.9	0.9	86	1.25	0.377	23
1967290	Soil	3.5	28.3	1118	1831	0.6	39.8	13.6	1478	3.65	6.0	<0.5	1.7	17	3.5	1.2	1.0	78	1.35	0.429	17
1967291	Soil	2.6	35.3	480.3	943	0.5	36.0	15.1	1347	3.57	3.4	<0.5	1.0	23	2.7	0.6	1.3	55	1.37	0.549	23
1967292	Soil	1.6	26.3	749.7	1902	0.9	30.2	9.5	1270	3.12	4.4	<0.5	1.1	21	4.5	0.9	1.6	64	1.57	0.451	22
1967293	Soil	1.1	20.1	673.8	1081	0.4	18.8	6.0	1078	2.11	6.5	0.7	0.8	55	5.2	0.9	0.7	55	5.50	0.448	13
1967294	Soil	1.3	22.0	372.4	1264	0.4	18.3	6.6	975	1.73	3.7	<0.5	0.4	63	4.3	0.7	0.7	34	6.18	0.319	10
1967295	Soil	0.6	9.9	492.5	1223	0.5	12.6	3.7	954	1.33	3.6	<0.5	0.6	37	3.3	0.6	1.0	29	4.42	0.369	12
1967296	Soil	1.1	22.7	532.6	1915	0.5	19.5	6.4	1316	2.18	4.6	<0.5	0.5	22	5.6	0.7	1.0	40	2.23	0.327	12
1967297	Soil	2.0	40.6	825.6	1927	0.7	37.0	14.2	1719	4.03	5.1	<0.5	1.3	23	6.0	0.8	1.6	63	1.90	0.418	23
1956809	Soil	5.0	42.7	369.6	666	0.3	40.4	19.8	1595	4.90	14.7	<0.5	1.2	14	1.3	0.7	1.1	50	0.97	0.468	24
1960113	Soil	3.2	20.3	923.7	1935	0.6	41.2	6.9	933	4.14	12.7	<0.5	1.3	20	3.7	1.6	1.3	77	1.42	0.470	16
1967300	Soil	3.7	53.0	241.2	604	0.3	41.0	20.1	1375	4.69	3.5	0.5	1.5	15	0.5	0.5	1.2	66	0.25	0.186	16





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Project: GHOST  
Report Date: November 08, 2012

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# CERTIFICATE OF ANALYSIS

VAN12005071.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1967269	Soil	15	0.48	8548	0.032	1	2.32	0.006	0.06	0.3	0.06	2.7	0.2	<0.05	4	1.1	<0.2
1967270	Soil	22	0.42	1974	0.012	2	1.47	0.006	0.12	0.9	0.04	1.1	0.4	<0.05	4	2.5	0.4
1967271	Soil	20	0.45	2387	0.010	2	1.21	0.005	0.12	0.6	0.04	0.6	0.4	<0.05	4	1.9	<0.2
1967277	Soil	19	0.55	3753	0.014	1	1.64	0.006	0.09	0.3	0.03	1.0	0.3	<0.05	4	1.6	<0.2
1967278	Soil	23	1.01	2018	0.011	2	1.50	0.005	0.09	0.5	0.03	1.8	0.2	<0.05	4	1.2	<0.2
1967279	Soil	20	1.27	2475	0.014	3	1.25	0.005	0.09	0.4	0.03	2.6	0.3	0.05	3	1.7	<0.2
1967280	Soil	30	1.02	1924	0.025	3	1.95	0.008	0.10	0.3	0.06	3.6	0.3	<0.05	5	1.8	<0.2
1967281	Soil	21	1.01	4819	0.020	6	1.25	0.011	0.12	0.5	0.08	2.0	0.4	0.07	4	1.3	<0.2
1967282	Soil	20	0.92	6872	0.015	4	1.32	0.006	0.12	0.5	0.06	2.4	0.4	0.06	3	1.7	<0.2
1967283	Soil	21	0.68	5283	0.014	2	1.41	0.006	0.09	0.4	0.04	2.0	0.4	<0.05	3	1.4	<0.2
1967284	Soil	15	2.53	3421	0.008	1	0.87	0.003	0.06	0.5	0.02	1.8	0.2	<0.05	2	1.7	<0.2
1967285	Soil	21	0.64	2193	0.019	5	1.46	0.009	0.13	0.3	0.09	2.7	0.3	0.09	4	2.1	<0.2
1967286	Soil	21	0.95	3848	0.013	3	1.19	0.005	0.10	0.5	0.05	2.4	0.3	<0.05	4	1.2	<0.2
1967287	Soil	22	0.83	3143	0.015	2	1.77	0.006	0.08	0.6	0.02	2.5	0.3	<0.05	5	1.2	<0.2
1967288	Soil	20	0.63	2751	0.020	4	1.61	0.007	0.10	0.3	0.05	1.5	0.2	0.08	5	0.7	<0.2
1967289	Soil	26	0.74	4439	0.024	3	1.85	0.006	0.14	0.2	0.04	2.4	0.3	<0.05	4	0.7	<0.2
1967290	Soil	17	0.57	4317	0.025	3	1.96	0.007	0.08	0.3	0.07	2.0	0.3	<0.05	4	0.7	<0.2
1967291	Soil	16	0.52	2549	0.025	2	2.16	0.007	0.08	0.3	0.04	1.5	0.3	0.08	4	<0.5	<0.2
1967292	Soil	17	0.49	4297	0.022	4	1.81	0.007	0.08	0.3	0.05	1.9	0.4	0.10	4	<0.5	<0.2
1967293	Soil	11	2.31	4548	0.008	5	0.64	0.005	0.08	0.4	0.07	1.0	0.3	0.10	2	0.5	<0.2
1967294	Soil	10	2.87	4091	0.009	8	0.67	0.004	0.06	0.3	0.06	0.8	0.3	0.09	1	<0.5	<0.2
1967295	Soil	10	1.99	2949	0.009	4	0.49	0.004	0.05	0.2	0.03	0.8	0.3	0.12	1	<0.5	<0.2
1967296	Soil	12	0.60	3597	0.009	5	0.95	0.005	0.07	0.2	0.06	0.7	0.3	0.15	2	0.9	<0.2
1967297	Soil	16	0.71	3957	0.014	4	1.31	0.006	0.10	0.4	0.04	1.4	0.3	0.10	3	0.8	<0.2
1956809	Soil	22	0.64	171	0.012	3	1.58	0.006	0.10	0.4	0.05	1.1	0.3	<0.05	5	0.9	<0.2
1960113	Soil	20	0.65	4096	0.018	3	1.47	0.006	0.16	1.4	0.04	2.0	1.0	0.11	4	<0.5	<0.2
1967300	Soil	34	1.16	113	0.042	2	2.59	0.013	0.15	0.3	0.04	2.2	0.4	<0.05	7	<0.5	<0.2



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# QUALITY CONTROL REPORT

VAN12005071.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		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	2	0.01	0.001	1	
Pulp Duplicates																					
1965838	Soil	2.7	49.2	959.7	1042	1.3	43.4	14.1	1452	3.30	11.7	<0.5	1.3	32	7.7	1.3	3.9	89	2.89	0.556	26
REP 1965838	QC	2.8	49.1	931.6	1011	1.3	43.9	13.9	1399	3.36	11.2	0.9	1.7	32	8.1	1.3	3.9	91	2.79	0.548	26
1966552	Soil	1.0	16.7	581.4	2448	0.7	17.9	5.8	804	2.15	5.2	<0.5	1.1	33	5.8	0.8	1.7	42	4.83	0.276	11
REP 1966552	QC	1.2	17.3	585.8	2529	0.6	17.4	5.8	781	2.20	5.4	<0.5	0.5	33	6.6	0.8	1.7	42	4.55	0.272	11
1967252	Soil	6.1	28.4	42.1	155	0.4	27.6	12.3	1210	4.09	5.5	4.4	0.5	16	0.4	0.7	1.0	54	0.05	0.167	12
REP 1967252	QC	5.4	29.1	40.3	148	0.3	27.2	11.9	1160	3.86	4.9	<0.5	0.5	15	0.3	0.7	0.9	51	0.05	0.150	12
1967268	Soil	5.6	58.0	77.6	248	0.4	47.3	31.2	1730	5.68	8.1	<0.5	1.2	14	2.4	0.6	0.8	52	0.68	0.301	21
REP 1967268	QC	5.4	60.3	76.6	248	0.4	49.5	32.1	1796	5.70	8.4	<0.5	1.1	14	2.4	0.6	0.8	52	0.69	0.304	20
1967293	Soil	1.1	20.1	673.8	1081	0.4	18.8	6.0	1078	2.11	6.5	0.7	0.8	55	5.2	0.9	0.7	55	5.50	0.448	13
REP 1967293	QC	0.9	20.4	691.7	1105	0.4	18.7	5.9	1075	2.05	6.2	<0.5	0.9	57	5.2	0.9	0.8	55	5.57	0.440	13
Reference Materials																					
STD DS9	Standard	13.1	101.9	126.2	292	1.8	39.0	7.2	568	2.31	24.3	129.7	6.5	73	2.3	5.5	5.8	44	0.75	0.076	14
STD DS9	Standard	13.4	111.4	133.6	313	1.9	41.7	7.8	600	2.38	25.1	113.6	7.1	81	2.3	6.2	6.9	42	0.77	0.083	15
STD DS9	Standard	13.7	102.9	128.6	294	1.7	40.1	7.1	575	2.27	24.8	110.4	6.4	69	2.3	5.2	5.9	45	0.72	0.080	13
STD DS9	Standard	13.0	113.7	145.4	314	2.0	40.9	8.0	603	2.39	27.0	108.1	6.8	80	2.4	5.5	7.1	45	0.71	0.087	14
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
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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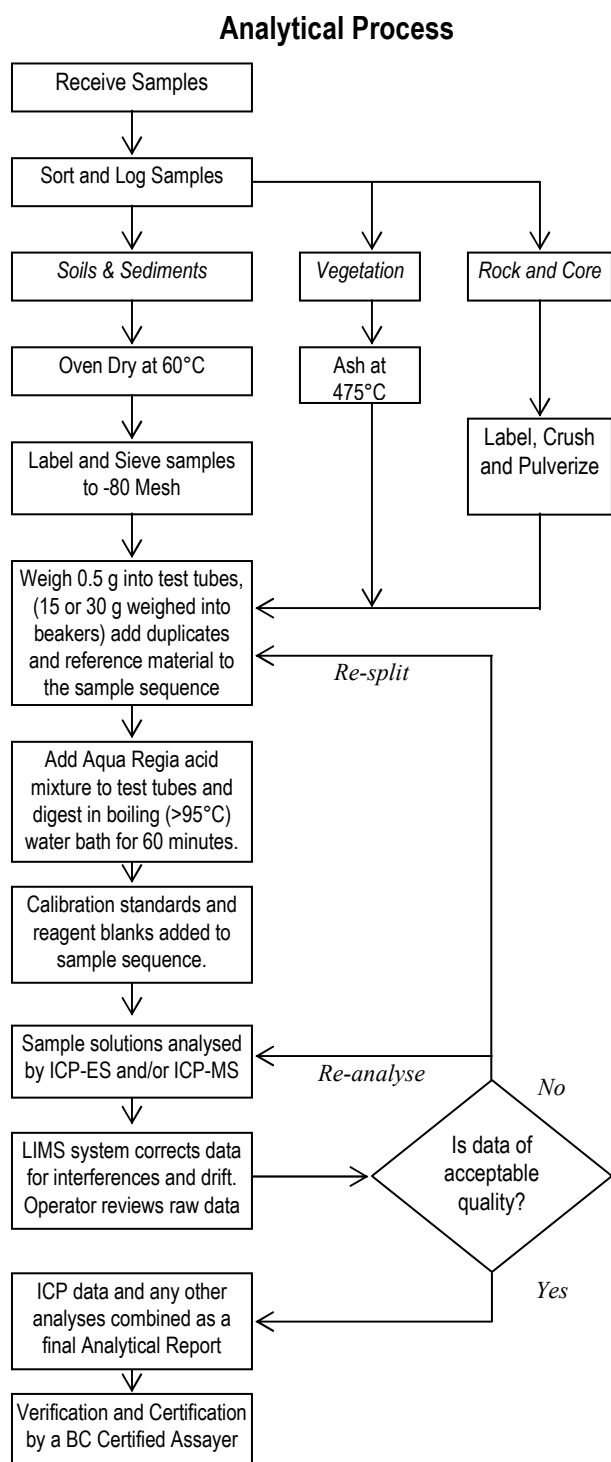
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QUALITY CONTROL REPORT

VAN12005071.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1965838	Soil	22	0.98	6030	0.011	6	1.13	0.007	0.12	0.3	0.06	1.8	0.3	0.11	3	1.8	<0.2
REP 1965838	QC	20	0.93	5801	0.013	5	1.15	0.007	0.11	0.3	0.07	2.2	0.3	0.10	3	1.8	<0.2
1966552	Soil	12	2.09	2901	0.008	3	0.62	0.004	0.07	0.3	0.05	0.9	0.4	0.13	1	0.9	<0.2
REP 1966552	QC	12	2.03	2864	0.008	4	0.60	0.004	0.07	0.5	0.04	0.8	0.4	0.10	2	0.7	<0.2
1967252	Soil	27	0.59	160	0.033	2	1.48	0.007	0.11	0.3	0.03	1.0	0.2	<0.05	7	1.2	<0.2
REP 1967252	QC	25	0.55	152	0.027	2	1.41	0.006	0.10	0.2	0.04	0.8	0.2	<0.05	7	0.6	<0.2
1967268	Soil	22	0.72	239	0.011	4	1.39	0.006	0.10	0.3	0.03	1.2	0.3	<0.05	5	1.8	<0.2
REP 1967268	QC	23	0.73	234	0.011	3	1.44	0.007	0.10	0.3	0.03	1.2	0.3	<0.05	4	1.8	<0.2
1967293	Soil	11	2.31	4548	0.008	5	0.64	0.005	0.08	0.4	0.07	1.0	0.3	0.10	2	0.5	<0.2
REP 1967293	QC	10	2.29	4850	0.008	6	0.64	0.005	0.09	0.3	0.07	1.2	0.3	0.06	2	0.7	<0.2
Reference Materials																	
STD DS9	Standard	118	0.61	282	0.111	3	0.90	0.090	0.39	3.1	0.18	2.4	5.5	0.06	5	4.8	5.4
STD DS9	Standard	124	0.63	298	0.118	3	1.01	0.107	0.40	3.0	0.21	3.2	5.9	0.16	5	5.7	4.9
STD DS9	Standard	121	0.61	295	0.109	2	0.87	0.084	0.38	3.2	0.16	2.5	5.4	0.14	4	4.5	4.7
STD DS9	Standard	125	0.60	300	0.120	3	0.91	0.082	0.39	2.9	0.22	2.3	5.7	0.12	5	5.3	5.8
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX – ICP & ICP-MS ANALYSIS – AQUA REGIA



### Comments

#### Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-180 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 80% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 85% passing 200 mesh (75 µm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

#### Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO<sub>3</sub> and de-mineralised H<sub>2</sub>O is added to each sample to leach for one hour in a heating block or hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

#### Sample Analysis

**Group 1D:** solutions aspirated into a Spectro Ciros Vision or Varian 735 emission spectrometer are analysed for 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

**Group 1DX:** solutions aspirated into a Perkin Elmer Elan 6000/9000 ICP mass spectrometer are analysed for 36 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Tl, Sr, Th, Ti, U, V, W, Zn.

#### Quality Control and Data Verification

QA/QC protocol incorporates a sample-prep blank (G-1) as the first sample in the job which is carried through all stages of preparation to analysis. An Analytical Batch comprises 36 client samples and incorporates a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), a reagent blank to measure background and aliquots of in-house Reference Material like STD DS7. Data undergoes a final verification by a British Columbia Certified Assayer who then validates results before it is released to the client.

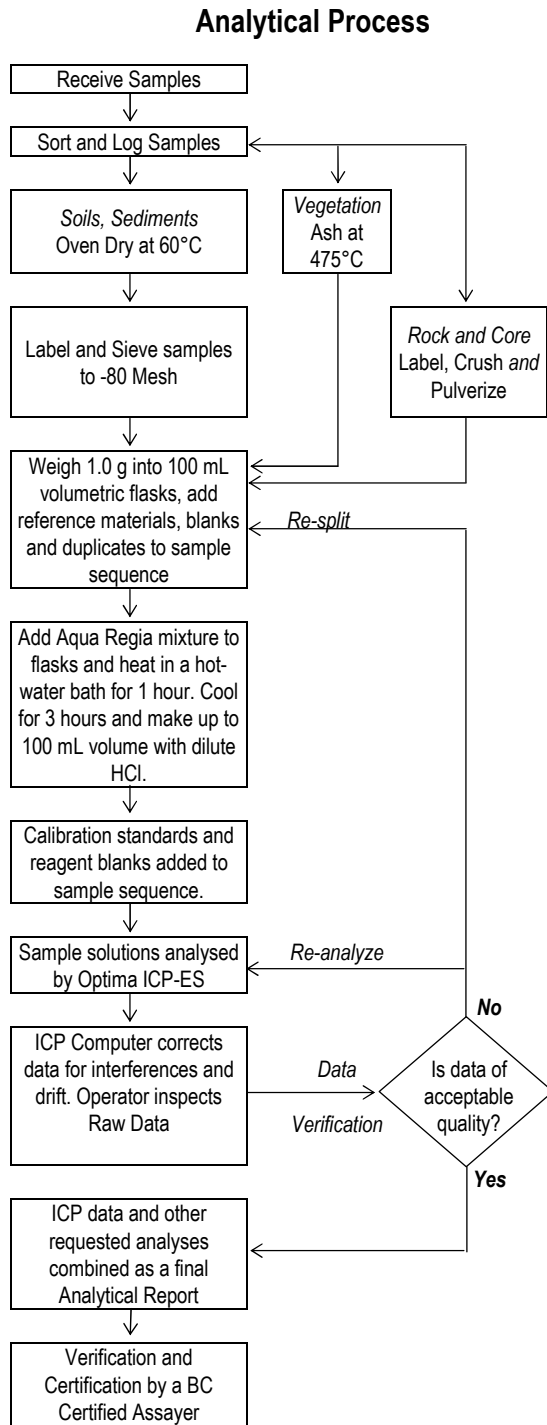
**Group 1D, 1DX ICP-ES & ICP-MS DETECTION LIMITS**

	Group 1D Detection	Group 1DX Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	100 ppm
Al*	0.01 %	0.01 %	10 %
As	2 ppm	0.5 ppm	10000 ppm
Au	2 ppm	0.5 ppb	100 ppm
B <sup>*A</sup>	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	2000 ppm
Ca*	0.01 %	0.01 %	40 %
Cd	0.5 ppm	0.1 ppm	2000 ppm
Co	1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	10000 ppm
Fe*	0.01 %	0.01 %	40 %
Ga*	-	1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	100 ppm
K*	0.01 %	0.01 %	10 %
La*	1 ppm	1 ppm	10000 ppm
Mg*	0.01 %	0.01 %	30 %
Mn*	2 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	2000 ppm
Na*	0.01 %	0.001 %	10 %
Ni	1 ppm	0.1 ppm	10000 ppm
P*	0.001 %	0.001 %	5 %
Pb	3 ppm	0.1 ppm	10000 ppm
S	-	0.05 %	10 %
Sb	3 ppm	0.1 ppm	2000 ppm
Sc	-	0.1 ppm	100 ppm
Se	-	0.5 ppm	100 ppm
Sr*	1 ppm	1 ppm	10000 ppm
Th*	2 ppm	0.1 ppm	2000 ppm
Ti*	0.01 %	0.001 %	10 %
Tl	5 ppm	0.1 ppm	1000 ppm
U*	8 ppm	0.1 ppm	2000 ppm
V*	1 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	100 ppm
Zn	1 ppm	1 ppm	10000 ppm

\* Solubility of some elements will be limited by mineral species present.

^Detection limit = 1 ppm for 15g / 30g analysis.

**METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE  
GROUP 7AR – MULTI-ELEMENT ASSAY BY ICP-ES • AQUA REGIA DIGEST**



**Comments**

**Sample Preparation**

Assaying is warranted for representative well-mineralized samples (eg. Cu > 1%). Samples are dried at 60°C. Soil, sediment and moss mats (after pounding) are sieved to -80 mesh (-180 µm). Vegetation is dried (60°C) and pulverized or ashed (475°C). Rock and drill core is jaw crushed to 80% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 85% passing 200 mesh (75 µm) in a mild-steel ring-and-puck mill. Aliquots of 1.000 ± 0.002 g are weighed into 100 mL volumetric flasks.

**Sample Digestion**

30 mL of Aqua Regia, a 1:1:1 mixture of ACS grade concentrated HCl, concentrated HNO<sub>3</sub> and de-mineralised H<sub>2</sub>O, is added to each sample. Samples are digested for one hour in a hot water bath (>95°C). After cooling for 3 hrs, solutions are made up to volume (100 mL) with dilute (5%) HCl. Very high-grade samples may require a 1 g to 250 mL or 0.25 g to 250 mL sample/solution ratio for accurate determination. Acme's QA/QC protocol requires simultaneous digestion of a reagent blank inserted in each batch.

**Sample Analysis**

Sample solutions are aspirated into a Spectro Ciros Vision or Varian 735 ICP emission spectrograph to determine 21 elements: Ag, Al, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, W, Zn.

**Quality Control and Data Verification**

QA/QC protocol incorporates a sample-prep blank (G-1) as the first sample in the job which is carried through all stages of preparation to analysis. An Analytical Batch comprises 36 client samples and incorporates a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), a reagent blank to measure background and aliquots of in-house Reference Materials. Data undergoes a final verification by a British Columbia Certified Assayer who then validates results before it is released to the client.

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**GROUP 7AR – MULTI-ELEMENT ASSAY BY ICP-ES • AQUA REGIA DIGEST**

**Group 7AR  
Det. Lim.**

<b>Ag</b>	2 g/t
<b>Al*</b>	0.01 %
<b>As</b>	0.01 %
<b>Bi*</b>	0.01 %
<b>Ca*</b>	0.01 %
<b>Cd</b>	0.001 %
<b>Co*</b>	0.001 %
<b>Cr*</b>	0.001 %
<b>Cu</b>	0.001 %
<b>Fe*</b>	0.01 %
<b>Hg</b>	0.001 %
<b>K*</b>	0.01 %
<b>Mg*</b>	0.01 %
<b>Mn*</b>	0.01 %
<b>Mo</b>	0.001 %
<b>Na*</b>	0.01 %
<b>Ni*</b>	0.001 %
<b>P</b>	0.001 %
<b>Pb</b>	0.01 %
<b>Sb</b>	0.001 %
<b>Sr*</b>	0.001 %
<b>W*</b>	0.001 %
<b>Zn*</b>	0.01 %

Sample minimum 1 g pulp.

\*indicate partial digestion if refractory minerals are present.

**SECTION E: SAMPLING DATA**



Sample Type	Sample ID	Zone	Easting	Northing	Depth (cm)	Environment	Slope	Date	Sampler	Notes
B-Soil	1965466	11	428723.01	5640565.33	40	Alpine	2	22-Jul-12	SM	
B-Soil	1965467	11	428737.87	5640541.89	35	Alpine	2	22-Jul-12	SM	
B-Soil	1965468	11	428761.06	5640525	40	Alpine	2	22-Jul-12	SM	
B-Soil	1965469	11	428776.73	5640503.76	45	Alpine	2	22-Jul-12	SM	
B-Soil	1965470	11	428802.06	5640459.15	20	Alpine	2	22-Jul-12	SM	
B-Soil	1965471	11	428814.12	5640441.52	40	Alpine	2	22-Jul-12	SM	
B-Soil	1965472	11	428831.84	5640420.59	45	Alpine	2	22-Jul-12	SM	
B-Soil	1965473	11	428848.1	5640396.68	30	Alpine	2	22-Jul-12	SM	
B-Soil	1965474	11	428863.12	5640378.9	40	Alpine	2	22-Jul-12	SM	
B-Soil	1965475	11	428876.42	5640359.03	25	Alpine	2	22-Jul-12	SM	
B-Soil	1965476	11	428892.33	5640340.24	50	Alpine	2	22-Jul-12	SM	
B-Soil	1965477	11	428906.67	5640319.58	30	Alpine	2	22-Jul-12	SM	
B-Soil	1965478	11	428921.44	5640299.36	25	Alpine	2	22-Jul-12	SM	
B-Soil	1965479	11	428940.05	5640281.86	35	Alpine	2	22-Jul-12	SM	
B-Soil	1965480	11	428960.57	5640265.57	40	Alpine	2	22-Jul-12	SM	
B-Soil	1965481	11	428979.17	5640247.41	30	Alpine	2	22-Jul-12	SM	
B-Soil	1965482	11	428993.8	5640227.07	35	Alpine	2	22-Jul-12	SM	
B-Soil	1965483	11	429010.21	5640208.61	30	Alpine	2	22-Jul-12	SM	
B-Soil	1965484	11	429019.8	5640184.79	25	Alpine	2	22-Jul-12	SM	
B-Soil	1965485	11	429035.99	5640165.99	30	Alpine	2	22-Jul-12	SM	
B-Soil	1965486	11	429052.84	5640148.41	30	Alpine	2	22-Jul-12	SM	
B-Soil	1965487	11	429066.19	5640126.77	25	Alpine	2	22-Jul-12	SM	
B-Soil	1965488	11	429078.7	5640105.91	30	Alpine	2	22-Jul-12	SM	
B-Soil	1965489	11	429093.47	5640085.69	40	Alpine	2	22-Jul-12	SM	
B-Soil	1965490	11	429109.45	5640066.56	45	Alpine	2	22-Jul-12	SM	
B-Soil	1965491	11	429127.92	5640043.62	25	Alpine	2	22-Jul-12	SM	
B-Soil	1965492	11	429154.24	5640009.45	40	Alpine	2	22-Jul-12	SM	Near very rocky scree.
B-Soil	1965493	11	429172.92	5639992.07	20	Alpine	2	22-Jul-12	SM	
B-Soil	1965494	11	429191.25	5639974.47	25	Alpine	2	22-Jul-12	SM	
B-Soil	1965495	11	429206.73	5639954.57	20	Alpine	2	22-Jul-12	SM	
B-Soil	1965496	11	429223.55	5639934.99	35	Alpine	2	22-Jul-12	SM	
B-Soil	1965497	11	429240.45	5639916.18	35	Alpine	2	22-Jul-12	SM	
B-Soil	1965498	11	429263.55	5639898.41	30	Alpine	2	22-Jul-12	SM	

B-Soil	1965499	11	429281.56	5639883.26	35	Alpine	2	22-Jul-12	SM	
B-Soil	1965500	11	429299.04	5639865.34	30	Alpine	2	22-Jul-12	SM	
B-Soil	1721351	11	429313.6	5639845.12	40	Alpine	2	22-Jul-12	SM	
B-Soil	1721352	11	429332.91	5639822.06	30	Alpine	2	22-Jul-12	SM	
B-Soil	1721353	11	429349.59	5639802.7	45	Alpine	2	22-Jul-12	SM	
B-Soil	1721354	11	429371.1	5639786.73	30	Alpine	2	22-Jul-12	SM	
B-Soil	1721355	11	429384.11	5639765.97	20	Alpine	2	22-Jul-12	SM	
B-Soil	1721356	11	429405.92	5639751.33	20	Alpine	2	22-Jul-12	SM	
B-Soil	1721357	11	429429.02	5639738.45	35	Alpine	2	22-Jul-12	SM	
B-Soil	1721199	11	428705.75	5640670.23	60	Alpine	2	22-Jul-12	MW	
B-Soil	1721200	11	428717.91	5640650.04	20	Alpine	2	22-Jul-12	MW	
B-Soil	1721301	11	428730.88	5640626.4	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721302	11	428737.99	5640601.72	20	Alpine	2	22-Jul-12	MW	
B-Soil	1721303	11	428745.46	5640577.26	40	Alpine	2	22-Jul-12	MW	
B-Soil	1721304	11	428764.59	5640567.43	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721305	11	428786.34	5640559.02	25	Alpine	2	22-Jul-12	MW	
B-Soil	1721306	11	428811.62	5640541.21	40	Alpine	2	22-Jul-12	MW	Dark grey. Poor sample quality.
B-Soil	1721307	11	428837.35	5640520.28	40	Alpine	2	22-Jul-12	MW	
B-Soil	1721308	11	428857.77	5640512.32	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721309	11	428871.56	5640492.12	50	Alpine	2	22-Jul-12	MW	
B-Soil	1721310	11	428883.59	5640461.92	40	Alpine	2	22-Jul-12	MW	
B-Soil	1721311	11	428896.42	5640438.61	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721312	11	428912.94	5640422.93	20	Alpine	2	22-Jul-12	MW	
B-Soil	1721313	11	428928.69	5640401.91	40	Alpine	2	22-Jul-12	MW	
B-Soil	1721314	11	428942.95	5640380.92	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721315	11	428964.12	5640360.28	40	Alpine	2	22-Jul-12	MW	
B-Soil	1721316	11	428980.49	5640339.14	40	Alpine	2	22-Jul-12	MW	
B-Soil	1721317	11	428994.57	5640319.49	20	Alpine	2	22-Jul-12	MW	
B-Soil	1721318	11	429004.62	5640298.89	15	Alpine	2	22-Jul-12	MW	
B-Soil	1721319	11	429017.37	5640280.03	15	Alpine	2	22-Jul-12	MW	
B-Soil	1721320	11	429035.48	5640261.87	25	Alpine	2	22-Jul-12	MW	
B-Soil	1721321	11	429049.47	5640241.44	10	Alpine	2	22-Jul-12	MW	
B-Soil	1721322	11	429069.37	5640220.7	20	Alpine	2	22-Jul-12	MW	
B-Soil	1721323	11	429081.9	5640200.96	40	Alpine	2	22-Jul-12	MW	

B-Soil	1721324	11	429094.33	5640179.65	40	Alpine	2	22-Jul-12	MW	
B-Soil	1721325	11	429109.66	5640158.76	20	Alpine	2	22-Jul-12	MW	Alluvial fan.
B-Soil	1721326	11	429113.51	5640132.12	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721327	11	429129.55	5640111.44	20	Alpine	2	22-Jul-12	MW	Scree slope. Poor sample quality.
B-Soil	1721328	11	429143.3	5640093.79	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721329	11	429160.82	5640079.43	70	Alpine	2	22-Jul-12	MW	Black. Poor sample quality.
B-Soil	1721330	11	429174.91	5640065.89	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721331	11	429194.68	5640051.05	30	Alpine	2	22-Jul-12	MW	Black. Poor sample quality.
B-Soil	1721332	11	429206.66	5640031.98	40	Alpine	2	22-Jul-12	MW	
B-Soil	1721333	11	429217.41	5640010.7	50	Alpine	2	22-Jul-12	MW	
B-Soil	1721334	11	429230.65	5639991.95	35	Alpine	2	22-Jul-12	MW	
B-Soil	1721335	11	429247.3	5639969.81	40	Alpine	2	22-Jul-12	MW	
B-Soil	1721336	11	429265.02	5639949.55	20	Alpine	2	22-Jul-12	MW	
B-Soil	1721337	11	429280.92	5639929.2	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721338	11	429300.47	5639913.48	20	Alpine	2	22-Jul-12	MW	
B-Soil	1721339	11	429320.37	5639898.08	15	Alpine	2	22-Jul-12	MW	
B-Soil	1721340	11	429340.18	5639875.9	10	Alpine	2	22-Jul-12	MW	
B-Soil	1721341	11	429363.9	5639857.11	50	Alpine	2	22-Jul-12	MW	Poor sample quality.
B-Soil	1721342	11	429380.53	5639838.76	10	Alpine	2	22-Jul-12	MW	
B-Soil	1721343	11	429401.96	5639822.12	30	Alpine	2	22-Jul-12	MW	
B-Soil	1721344	11	429420.86	5639804.84	20	Alpine	2	22-Jul-12	MW	
B-Soil	1721345	11	429434.54	5639781.97	30	Alpine	2	22-Jul-12	MW	
B-Soil	1965801	11	428727.97	5640480.85	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965802	11	428738.36	5640459.8	30	Alpine	2	11-Sep-12	HK	Very Dark Brown
B-Soil	1965803	11	428749.08	5640420.95	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965804	11	428763.97	5640409.29	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965805	11	428772.54	5640388.48	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965806	11	428783.33	5640369.87	20	Alpine	2	11-Sep-12	HK	
B-Soil	1965807	11	428803.97	5640362.69	20	Alpine	2	11-Sep-12	HK	
B-Soil	1965808	11	428816.09	5640344.18	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965810	11	428852.15	5640312.43	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965811	11	428874.17	5640292.77	10	Alpine	2	11-Sep-12	HK	

B-Soil	1965812	11	428890.79	5640273.86	15	Alpine	2	11-Sep-12	HK	
B-Soil	1965813	11	428904.08	5640253.55	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965814	11	428920.63	5640234.64	15	Alpine	2	11-Sep-12	HK	
B-Soil	1965815	11	428937.75	5640216.94	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965816	11	428956.31	5640206.12	20	Alpine	2	11-Sep-12	HK	
B-Soil	1965817	11	428969.31	5640184.81	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965818	11	428977.58	5640162.68	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965819	11	428996.44	5640142.85	15	Alpine	2	11-Sep-12	HK	
B-Soil	1965820	11	429013.77	5640119.25	10	Alpine	2	11-Sep-12	HK	
B-Soil	1965832	11	429028.34	5640100.03	10	Alpine	2	13-Sep-12	HK	
B-Soil	1965833	11	429041.48	5640078.72	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965834	11	429055.34	5640058.4	40	Alpine	2	13-Sep-12	HK	Silty, Dark grey, hard to see Ah-B difference
B-Soil	1965835	11	429069.72	5640040.19	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965836	11	429085.61	5640019.84	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965837	11	429100.86	5640003.39	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965838	11	429114.49	5639982.41	30	Alpine	2	13-Sep-12	HK	Dark brown/grey colour
B-Soil	1965839	11	429131.96	5639963.93	20	Alpine	2	13-Sep-12	HK	
B-Soil	1965840	11	429151.42	5639946.76	20	Alpine	2	13-Sep-12	HK	
B-Soil	1965841	11	429164.36	5639926.56	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965842	11	429185.06	5639907.6	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965843	11	429202.06	5639885.68	40	Alpine	2	13-Sep-12	HK	
B-Soil	1965844	11	429221.07	5639871.85	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965845	11	429238.55	5639854.04	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965846	11	429257.01	5639836.55	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965847	11	429272.93	5639817.31	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965848	11	429290.21	5639800.62	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965849	11	429309.27	5639780.34	20	Alpine	2	13-Sep-12	HK	
B-Soil	1965850	11	429330.82	5639762.25	30	Alpine	2	13-Sep-12	HK	
B-Soil	1965851	11	429345.42	5639739.58	20	Alpine	2	13-Sep-12	HK	
B-Soil	1965852	11	429363.84	5639723.65	20	Alpine	2	13-Sep-12	HK	
B-Soil	1965853	11	429382.41	5639708.27	30	Alpine	2	13-Sep-12	HK	
B-Soil	1967251	11	428654.98	5640450.16	25	Alpine	2	11-Sep-12	AF	

B-Soil	1967252	11	428687.95	5640428.91	15	Alpine	2	11-Sep-12	AF	
B-Soil	1967253	11	428714.4	5640414.64	40	Alpine	2	11-Sep-12	AF	
B-Soil	1967254	11	428733.55	5640395.69	30	Alpine	2	11-Sep-12	AF	
B-Soil	1967255	11	428751.74	5640363.52	25	Alpine	2	11-Sep-12	AF	
B-Soil	1967256	11	428774.1	5640353.43	20	Alpine	2	11-Sep-12	AF	
B-Soil	1967257	11	428796.71	5640325.09	30	Alpine	2	11-Sep-12	AF	
B-Soil	1967258	11	428813.78	5640308.62	25	Alpine	2	11-Sep-12	AF	
B-Soil	1967259	11	428818.35	5640293.43	20	Alpine	2	11-Sep-12	AF	
B-Soil	1967261	11	428844.3	5640263.04	30	Alpine	2	11-Sep-12	AF	
B-Soil	1967263	11	428872.03	5640228.85	40	Alpine	2	11-Sep-12	AF	
B-Soil	1967264	11	428886.01	5640212.53	50	Alpine	2	11-Sep-12	AF	
B-Soil	1967265	11	428907.31	5640206.9	25	Alpine	2	11-Sep-12	AF	
B-Soil	1967266	11	428932.4	5640185.1	15	Alpine	2	11-Sep-12	AF	
B-Soil	1967267	11	428959.79	5640167.59	15	Alpine	2	11-Sep-12	AF	
B-Soil	1967268	11	428969.73	5640148.88	30	Alpine	2	11-Sep-12	AF	
B-Soil	1967269	11	428978.38	5640117.85	20	Alpine	2	11-Sep-12	AF	
B-Soil	1967270	11	428984.14	5640091.63	25	Alpine	2	11-Sep-12	AF	
B-Soil	1967271	11	428987.22	5640070.01	25	Alpine	2	11-Sep-12	AF	
B-Soil	1967277	11	429011.81	5640058.44	30	Alpine	2	13-Sep-12	AF	
B-Soil	1967278	11	429033.7	5640044.13	25	Alpine	2	13-Sep-12	AF	
B-Soil	1967279	11	429052.58	5640026.52	25	Alpine	2	13-Sep-12	AF	Talus
B-Soil	1967280	11	429060.24	5640000.06	20	Alpine	2	13-Sep-12	AF	Talus
B-Soil	1967281	11	429075.07	5639974.38	15	Alpine	2	13-Sep-12	AF	Talus
B-Soil	1967282	11	429093.16	5639954.79	25	Alpine	2	13-Sep-12	AF	Talus
B-Soil	1967283	11	429097.56	5639932.26	30	Alpine	2	13-Sep-12	AF	
B-Soil	1967284	11	429117.57	5639908.85	35	Alpine	2	13-Sep-12	AF	Runoff Area
B-Soil	1967285	11	429134.94	5639893.6	30	Alpine	2	13-Sep-12	AF	
B-Soil	1967286	11	429154.74	5639870.53	35	Alpine	2	13-Sep-12	AF	
B-Soil	1967287	11	429170.43	5639855.75	25	Alpine	2	13-Sep-12	AF	
B-Soil	1967288	11	429194.8	5639843.29	20	Alpine	2	13-Sep-12	AF	
B-Soil	1967289	11	429214.37	5639824.23	40	Alpine	2	13-Sep-12	AF	
B-Soil	1967290	11	429235.87	5639807.25	25	Alpine	2	13-Sep-12	AF	
B-Soil	1967291	11	429258.47	5639793.82	25	Alpine	2	13-Sep-12	AF	
B-Soil	1967292	11	429274.27	5639771.47	35	Alpine	2	13-Sep-12	AF	
B-Soil	1967293	11	429300.24	5639752.54	40	Alpine	2	13-Sep-12	AF	

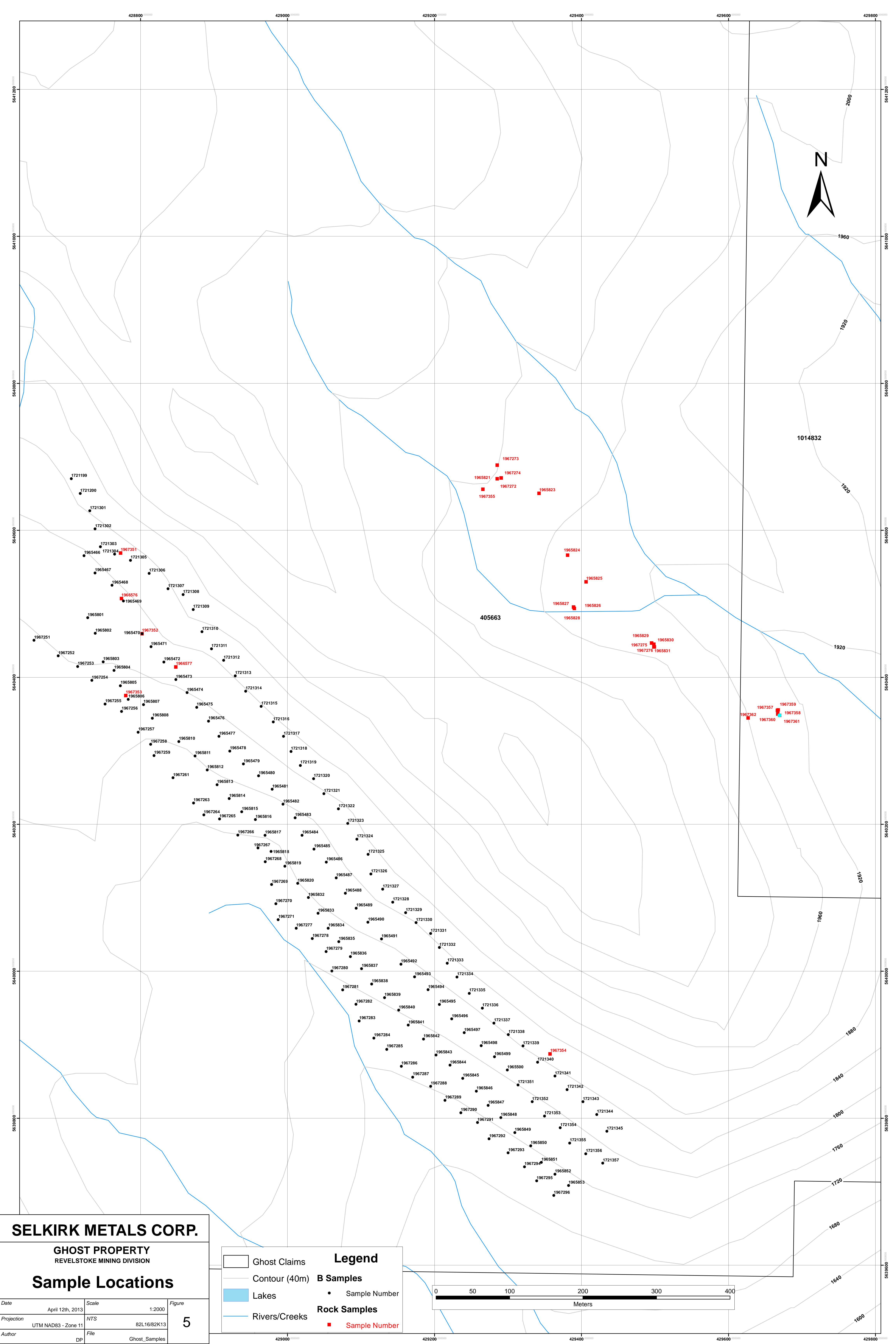
B-Soil	1967294	11	429322.42	5639733.56	45	Alpine	2	13-Sep-12	AF	Talus
B-Soil	1967295	11	429338.96	5639714.31	35	Alpine	2	13-Sep-12	AF	
B-Soil	1967296	11	429362.32	5639694.64	35	Alpine	2	13-Sep-12	AF	

Sample Type	Sample ID	Zone	Easting	Northing	Lithology	Min	Alt	OC/Float	Sampler	Date	Notes
Rock	1967351	11	428772.8	5640569	Contact		Silica	O/C	DC	12-Sep-12	Contact zone between Index formation and Badshot formation. Silica mix zone. Tr fine grained sulphides. 3cm anastomosing and cross cutting bedding. Oxidized, and weakly boxworked. Rocks are moderately foliated.
Rock	1967352	11	428802	5640459	Qtz Vein	Gal	Silica	O/C	DC	12-Sep-12	Vein. Rusty micaceous and silicified unit (likely Index) that is similar in weathering to dolomitic unit on E side of ridge. Trace Gal throughout and 3-5% galena in vein. Heavy.
Rock	1967353	11	428779.9	5640375	Index Fm	Gal	Silica	O/C	DC	12-Sep-12	Rock. Rusty micaceous and silicified unit (likely Index) that is similar in weathering to dolomitic unit on E side of ridge. Trace Gal throughout and 3-5% galena in vein. Heavy.
Rock	1967354	11	429357.4	5639887	Index Fm	Sph	Silica	O/C	DC	12-Sep-12	Hem + Lim + Ank? Micaceous phyllite. Minor sulphides 2-5% py and tr Sph. Very silicious.
Rock	1967355	11	429265.9	5640656	Badshot	Sph, Gal	Silica	O/C	DC	13-Sep-12	50cm chip sample. Weakly oxidized (Lim) Dolomite. Banded, with weathered pyrites. Tr diss pyrr, sphal (20%+)
Rock	1967274	11	429285.4	5640670	Badshot	Gal	Silica	O/C	DC	13-Sep-12	Weakly oxidized, banded Dol. With thin sulphide bands ~25%. Py+Gal (5+10%). Strike:124/18sw, Plunge: 20 to SE.
Rock	1965823	11	429342.4	5640650	Badshot	Gal, Sph	Silica	O/C	DC	13-Sep-12	Banded Dolomite with light oxidation but 10-20% diss py, 5-10% diss gal, and 2% diss sph.
Rock	1965824	11	429382.8	5640567	Badshot	Gal, Sph	Silica	O/C	DC	13-Sep-12	Banded Dolomite
Rock	1965825	11	429406.5	5640530	Badshot	Gal, Sph	Silica	O/C	DC	13-Sep-12	Bleached LS with 45% disseminated sulphides. 10-15% py, 5-10% Sph, and 15-20% Gal. Representative sample over 35cm rep sample. Banded dolomite w layered
Rock	1967275	11	429498.7	5640445	Badshot	Sph	Silica	O/C	DC	13-Sep-12	disseminated sulphides. FeOx from Py. Silicious with 15%
Rock	1965831	11	429499.3	5640441	Badshot	Gal, Sph	Silica	O/C	DC	13-Sep-12	Banded dolomite, bleached, silicious, sulphide banding with 5% Gal, 10% Py, and 2% Sph.
Rock	1967276	11	429498.6	5640441	Badshot	Gal	Silica	O/C	DC	13-Sep-12	Silicious dolomite with 5-10% diss sulphides. 5% py and 5% Gal. FeOx at surface. Minor purple flourite.
Rock	1967362	11	429626.8	5640345	Badshot	Gal+Sph	Silica	O/C	DC	13-Sep-12	Silica flooded Dolomite with 35-40% thin sulphide bands. ~20% Py, 15% Gal, 5% Sph. Veining strikes 179/25. Silica flooding is strongly Fe-Ox'd but groundmass relatively clean
Rock	1967273	11	429285.5	5640689	Badshot	Gal+Sph	Silica	O/C	DP	12-Sep-12	Composite chip across 2m in silicious dolomite unit. Variably oxidized with 10% Gal and Tr Sph in fresh sections.
Rock	1967272	11	429290.8	5640671	Badshot	Gal+Sph	Silica	O/C	DP	12-Sep-12	Composite chip across 1.5m in silicious dolomite unit. Variably oxidized w 10% Sph and 10% Gal
Rock	1965821	11	429290.8	5640671	Badshot	Gal+Sph	Silica	O/C	DP	12-Sep-12	Composite chip across 3.0m in silicious dolomite unit. Variably oxidized w 10% Sph and 10% Gal
Rock	1965824	11	429381.2	5640566	Badshot	Gal+Sph	Silica	O/C	DP	12-Sep-12	15cm comp sample across bed of 15% Gal and 5% Sph. in silicious limestone (less dolomitic). Bedding: 326/20SW, 28-
Rock	1965826	11	429390.4	5640494	Badshot	Gal+Sph	Silica	O/C	DP	12-Sep-12	50cm comp sample across silicious dolomite unit. 10-15% Gal and possibly FeOxidized Sph. Laminated in 1cm bands.
Rock	1965827	11	429389.4	5640495	Badshot	Gal+Sph	Silica	O/C	DP	12-Sep-12	Representative grab sample from 50cm band of silicious dolomite unit with 15% laminated Gal.

Rock	1965828	11	429389.4	5640495	Badshot	Gal+Sph	Silica	O/C	DP	12-Sep-12	Composite chip across 50cm band in same unit at 1985827. Sample is taken deeper into O/C by removing outer 15-20cm weathered layer. Much more Sph is evident on unweathered surfaces. 15+% Sph and 15+% Gal. Very nice
Rock	1965829	11	429495.5	5640447	Badshot	Gal+Sph	Silica	O/C	DP	12-Sep-12	70cm chip across unit. Silicious dolomite unit with 1cm laminated of 15% Gal and 5% Sph. Bedding: 124/12, 12--
Rock	1965830	11	429495.5	5640447	Badshot	Gal+Sph	Silica	O/C	DP	12-Sep-12	70cm chip across unit. Silicious dolomite unit with 1cm laminated of 15% Gal and 5% Sph. Bedding: 124/12, 12--
Rock	1967357	11	429666.8	5640355	Badshot	Gal+Sph	Silica	O/C	DP	13-Sep-12	Channel sample across sulphide unit. 20cm thick. 40% sulphides: 15% Gal, 20% Py and 5% Sph(ox). Had to break into fresh rock to notice. Within silicified dolomite.
Rock	1967359	11	429667.8	5640355	Badshot	Gal+Sph	Silica	O/C	DP	13-Sep-12	1m comp chip across probable o/c of silicified dolomite (w talc). Wispy bands of Gal and Sph(diss) up to 1cm. Bands do not always follow bedding and are cross cutting at times. Gal/Sph can also occur as massive blebs. Gal (5-10%) and Sph(<5%). Sph is browner than to North. Fluorite occurs in
Rock	1967358	11	429667.4	5640350	Badshot	Gal+Sph	Silica	O/C	DP	13-Sep-12	Composite chip across 25cm bed of thinly laminated Sph/Gal in Dolomite unit but 2m lower stratigraphically than 1967359. Sph: 10% and Gal: 15%. Tr Cpy. General area consists of a probably outcrop of strongly silicious (occasionally brecciated and/or cross cut with qtz veins) dolomite unit. Mineralization is within thin (1cm) beds over
Rock	1967360	11	429667.3	5640350	Badshot	Gal+Sph	Silica	O/C	DP	13-Sep-12	Chip sample over 2m true width in Sil unit. Mineralization is not the same orientation throughout with some beds dipping to the w and others crosscutting. Possibly closer to
Rock	1967361	11	429669.7	5640348	Badshot	Gal+Sph	Silica	O/C	DP	13-Sep-12	50cm chip within same area as 1967360 but lower in the
Rock	1966576	11	428774	5640507	Index			Float	DC	13-Sep-12	graphitic phyllite w up to 30% qtz-veining. Weak-mod limonite after sulphides. No signs of Pb-Zn.
Rock	1966577	11	428848	5640414	Index			Float	DC	13-Sep-12	graphitic phyllite w up to 30% qtz-veining. Weak-mod limonite after sulphides. No signs of Pb-Zn.



**SECTION F: ILLUSTRATIONS**



**SELKIRK METALS CORP.**

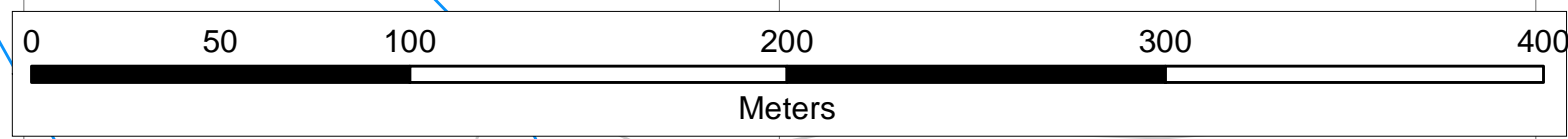
GHOST PROPERTY  
REVELSTOKE MINING DIVISION

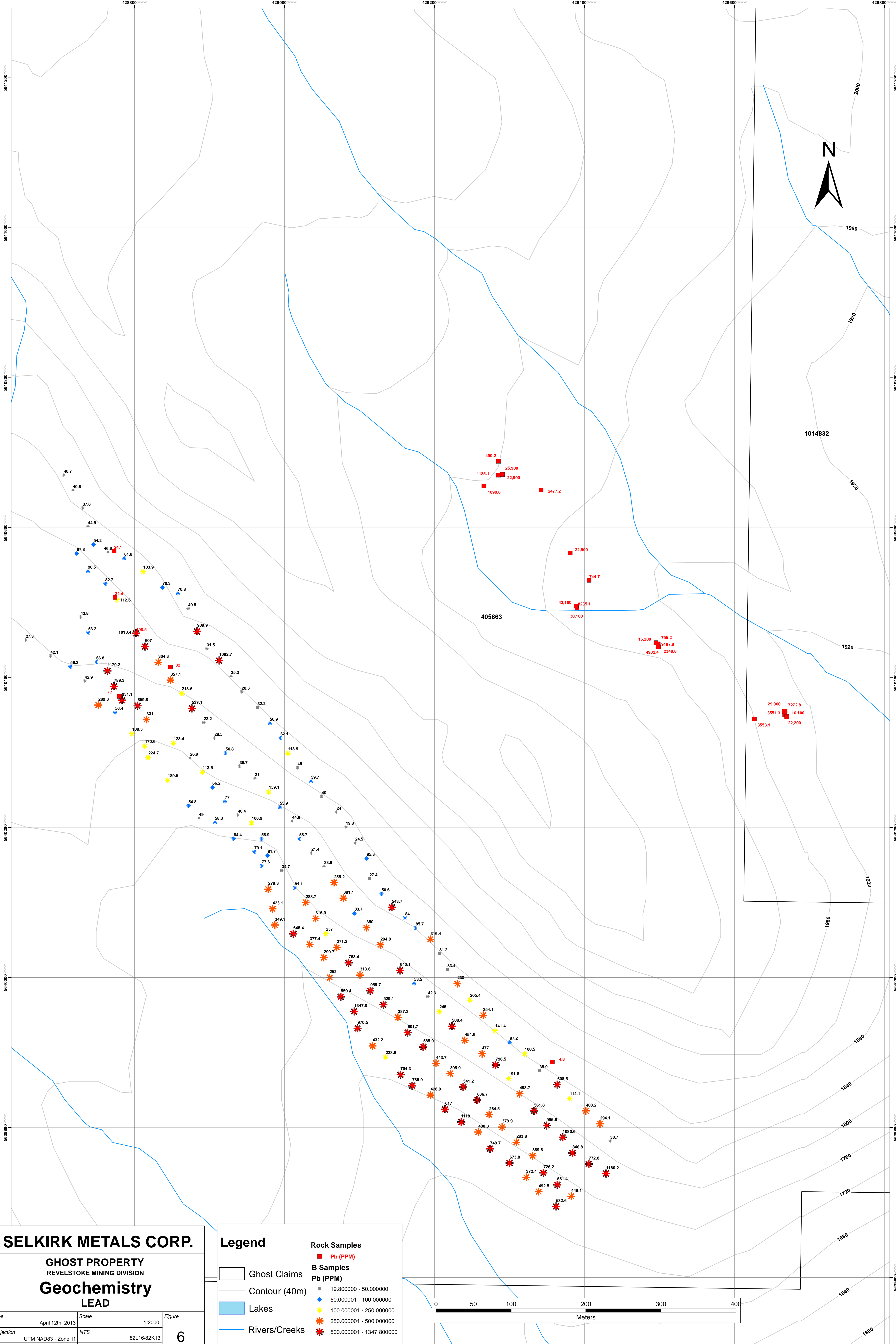
**Sample Locations**

Date	April 12th, 2013	Scale	1:2000	Figure	5
Projection	UTM NAD83 - Zone 11	NTS	82L16/82K13		
Author	DP	File	Ghost_Samples		

**Legend**

- Ghost Claims
- Contour (40m)
- Lakes
- Rivers/Creeks
- B Samples**
- Sample Number
- Rock Samples**
- Sample Number



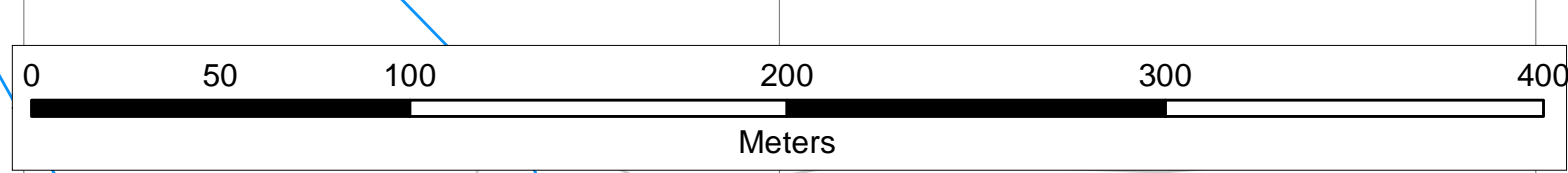


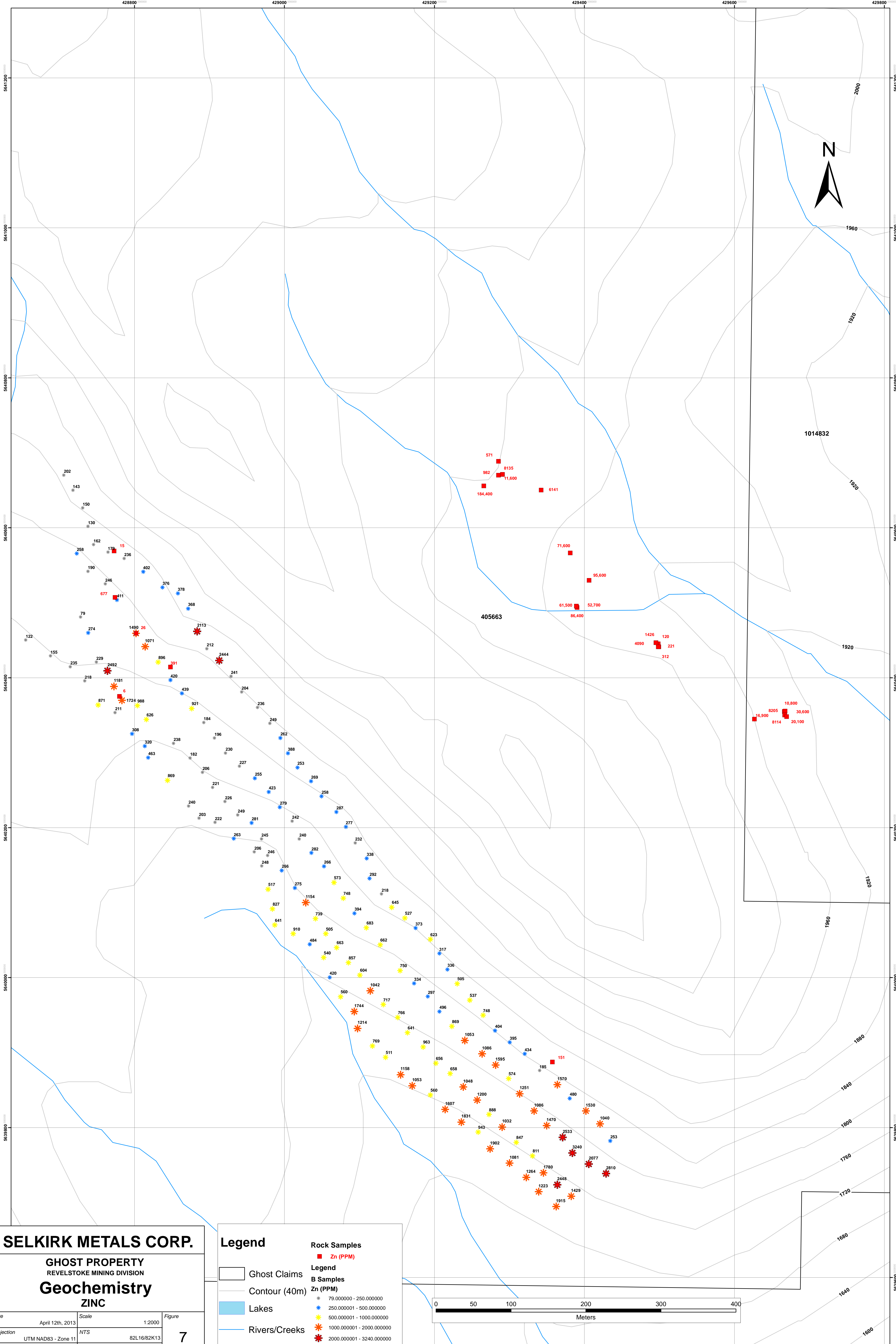
**SELKIRK METALS CORP.**  
**GHOST PROPERTY**  
 REVELSTOKE MINING DIVISION  
**Geochemistry**  
**LEAD**

Date	April 12th, 2013	Scale	1:2000	Figure	<b>6</b>
Projection	UTM NAD83 - Zone 11	NTS	82L16/82K13		
Author	DP	File	Ghost_Lead		

**Legend**

Ghost Claims	<b>Rock Samples</b>
Contour (40m)	Pb (PPM)
Lakes	<b>B Samples</b>
Rivers/Creeks	Pb (PPM)
	19.800000 - 50.000000
	50.000001 - 100.000000
	100.000001 - 250.000000
	250.000001 - 500.000000
	500.000001 - 1347.800000





**SELKIRK METALS CORP.**

**GHOST PROPERTY**  
REVELSTOKE MINING DIVISION

**Geochemistry**  
**ZINC**

Date	April 12th, 2013	Scale	1:2000	Figure	7
Projection	UTM NAD83 - Zone 11	NTS	82L16/82K13		
Author	DP	File	Ghost_Zinc		

**Legend**

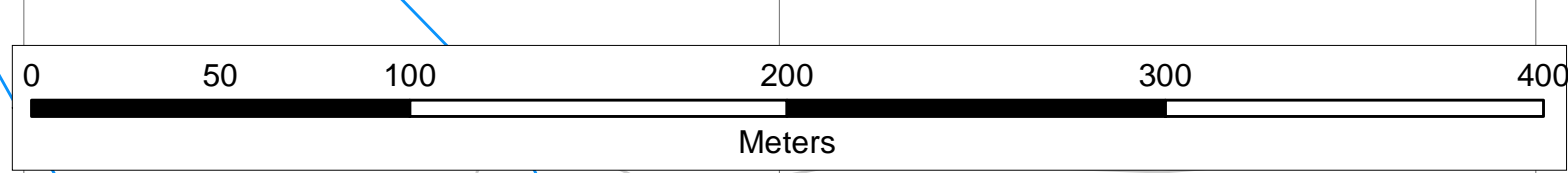
- Ghost Claims
- Contour (40m)
- Lakes
- Rivers/Creeks

**Rock Samples**  
Zn (PPM)

- 79.000000 - 250.000000
- 250.000001 - 500.000000
- 500.000001 - 1000.000000
- 1000.000001 - 2000.000000
- 2000.000001 - 3240.000000

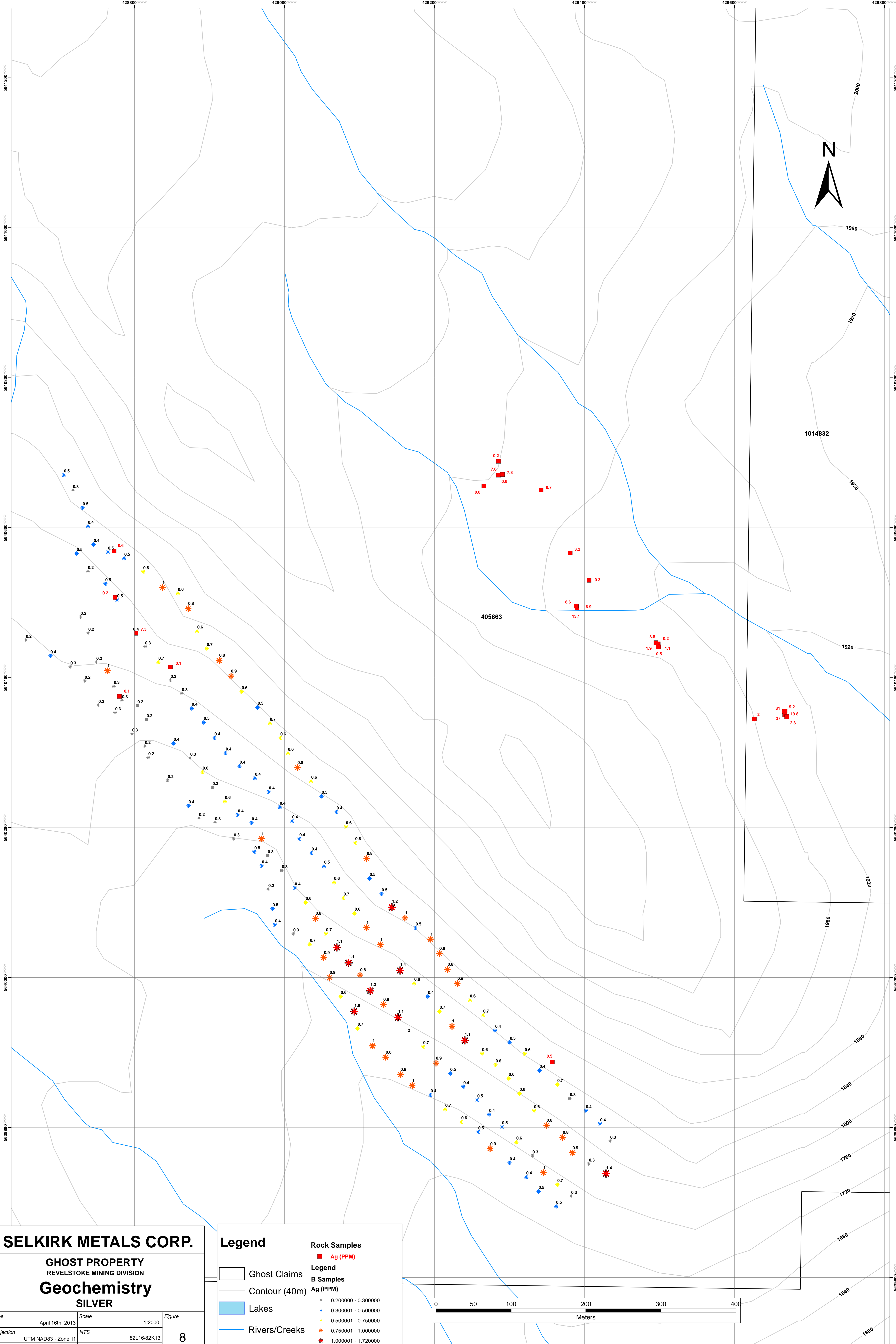
**B Samples**  
Zn (PPM)

- 79.000000 - 250.000000
- 250.000001 - 500.000000
- 500.000001 - 1000.000000
- 1000.000001 - 2000.000000
- 2000.000001 - 3240.000000



428800 429000 429200 429400 429600 429800

5641200 5641000 5640800 5640600 5640400 5640200 5640000 5639800 5639600



**SELKIRK METALS CORP.**  
**GHOST PROPERTY**  
 REVELSTOKE MINING DIVISION  
**Geochemistry**  
**SILVER**

Date	April 16th, 2013	Scale	1:2000	Figure	8
Projection	UTM NAD83 - Zone 11	NTS	82L16/82K13		
Author	DP	File	Ghost_Silver		

**Legend**

- Ghost Claims
- Contour (40m)
- Lakes
- Rivers/Creeks

**Rock Samples**

- Ag (PPM)

**Legend**

**B Samples**

Ag (PPM)

- 0.200000 - 0.300000
- 0.300001 - 0.500000
- 0.500001 - 0.750000
- 0.750001 - 1.000000
- 1.000001 - 1.720000

