

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)]: GEOCHEMICAL SAMPLING REPORT

TOTAL COST: \$43,485.03

AUTHOR(S): Dustin Perry, B.Sc. SIGNATURE(S): \_\_\_\_\_

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-8-265 YEAR OF WORK: 2013

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5478916 / November 29, 2013

PROPERTY NAME: FANDORA

CLAIM NAME(S) (on which the work was done): 508912 and 537995

COMMODITIES SOUGHT: Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092F 041

MINING DIVISION: Alberni NTS/BCGS: 92F/4E, 5E / 092F022

LATITUDE: 49 ° 14 ' 36 " LONGITUDE: 125 ° 41 ' 20 " (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):

The Fandora occurrence is underlain by andesitic tuff and breccia of the pre-Jurassic Westcoast Complex. The vein system is hosted by andesites and basalts of the Nitinat Formation of the Sicker Group Volcanics and has been altered to greenstone by Jurassic plutonism including a coarse gabrodiorite.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 26139, 29325, 31379, 32456

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			
Photo interpretation			
<b>GEOPHYSICAL (line-kilometres)</b>			
<b>Ground</b>			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
<b>GEOCHEMICAL (number of samples analysed for...)</b>			
Soil 346 samples / 36 element ICP-MS		508912, 537995	\$36,953.08
Silt			
Rock 4 samples / 36 element ICP-MS		537995	\$427.21
Other			
<b>DRILLING (total metres; number of holes, size)</b>			
Core			
Non-core			
<b>RELATED TECHNICAL</b>			
Sampling/assaying Acme Analytical Labs: 350 samples		see above	\$6,104.74
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>\$43,485.03</b>

# **GEOCHEMICAL SAMPLING REPORT**

**on the**

## **FANDORA GOLD PROPERTY**

**Tenure Nos. 508912 and 537995**

**Alberni Mining Division**

**NTS: 92E/4E, 5E**

**BCGS Map Sheets: 092F022**

**Latitude 49° 15' 34" N; Longitude 125° 41' 18" W**

**UTM (NAD 83 Zone 10N): 5 457 930 N; 304 340 E**

**Field Work Period: October 29 to November 26, 2013**

**Owner / Operator:**

**Selkirk Metals Corp.  
200-580 Hornby Street  
Vancouver, BC V6C 3B6**

**Author: Dustin Perry, BSc.**

**February 26<sup>th</sup>, 2014**

**BC Geological Survey  
Assessment Report  
34601**

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## **SECTION A: REPORT**

### **INTRODUCTION:**

The Pandora Gold Property covers meso-thermal, gold bearing quartz veins situated along andesite dykes and in shear zones. The Property is located on the west coast of Vancouver Island, British Columbia and is owned by Selkirk Metals Corp. (the “Company”) of Vancouver, BC. This report documents the program of soil sampling undertaken by the Company in October and November 2013. The Pandora property had not until recently been subjected to modern exploration methods as previous exploration work was primarily trenching and drifting on the known vein system. Geochemical sampling programs were conducted in 2009 and 2011 and the results confirmed the presence of the gold bearing quartz veins and identified stream catchment areas with anomalous gold values in stream sediment and identified anomalous gold soil anomalies along strike with the known veins and in new areas for exploration. The 2013 program was designed to expand on the results of 2009 and 2011 work by extending the sampling area in a southwesterly direction from the old Pandora workings.

### **PROPERTY:**

The Pandora Gold Property is 100% owned by Selkirk Metals Corp., a wholly-owned subsidiary of Imperial Metals Corporation. Selkirk acquired its interest as a result of its acquisition in 2007 and subsequent amalgamation in 2009 with Doublestar Resources Ltd.

The property is located 19 km northeast of Tofino, BC near the head of Tranquil Inlet on the west side of Vancouver Island (Figure 13.1) and consists of 23 mineral tenures (5 Crown granted mineral claims and 18 cell claims / 237 cells) totaling 242 units and covering a gross area of 5,077.51 ha (Figure 13-3.2).

The details of the mineral tenures that comprise the Property are set out in Section B of this report. The “good to” dates shown are based on the Statement of Exploration and Development Work registered on November 29, 2013 as Event #5478916 and assume that the work contained in this report will be accepted for assessment purposes.

### **LOCATION AND ACCESS:**

The Pandora property covers the ground between Fortune Channel and Warn Bay on the west and the Tranquil Creek drainage on the east immediately to the north of Tranquil Inlet on west coast of Vancouver Island, southwestern British Columbia (Figures 13-2.2 and 13-3.2). The NTS map reference is 92F/04E and 92F/05E and the BCGS map reference is 092F022. The 2013 work program on the property was centered at approximately 49° 15' 34" North latitude and 125° 41' 18" West longitude with the corresponding UTM coordinates (NAD 83, Zone 10N) being 5 457 930 N and 304 340 E. The town of Tofino is approximately 19 km southwest of the property.

Access to the Pandora property is possible by boat, fixed-wing aircraft or helicopter. Boat access is gained either from Tofino or from a barge facility at Berryman Cove which is accessed from Highway 4 (Port Alberni-Tofino) by the well maintained West Main and Deer Bay Main Forest Service Roads. From Berryman Cove it is approximately 4.5 km across Tofino Inlet to Rankin Cove or 6.5 km to the head of Tranquil Inlet. From Rankin Cove or Tranquil Inlet the Tranquil Creek Main Forest Service Road leads to and traverses the Pandora property. There are secondary deactivated and active forest access roads that can be used on the property. The main portal on the property, the 1500-level, was at one time road accessible but the road has been deactivated.



 <b>Selkirk</b> an Imperial Metals company	
<b>SELKIRK METALS CORPORATION</b> FANDORA PROPERTY Alberni Mining Division <b>Fandora Location Map</b>	
Date: January 2014	Figure:
Scale: As Shown	FAN-13-1

280000

300000

320000

5480000

5480000

5460000

5460000

5440000

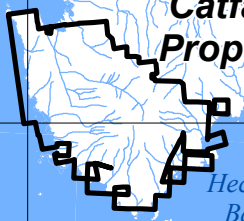
5440000



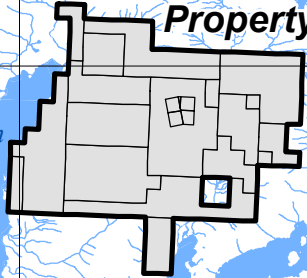
**Catface  
NE Block**



**Catface  
Property**



**Fandora  
Property**



*Great Central Lake*

*Hecate Bay*

*Warn Bay*

**Vargas Island**

**Meares Island**

*Tranquil Inlet*

**Tofino**

*Tofino Inlet*

*Kennedy Lake*

**PACIFIC OCEAN**



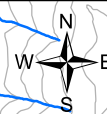
**FANDORA PROPERTY**  
Alberni Mining Division  
**General Location Map**

Date: January 2014	Projection: UTM Zone 10 - NAD83	Fig. FAN-13-2.3
Drawn By: MD	BCGS: 092F022	
Scale: 1:250,000	NTS: 092F04.05	

300000

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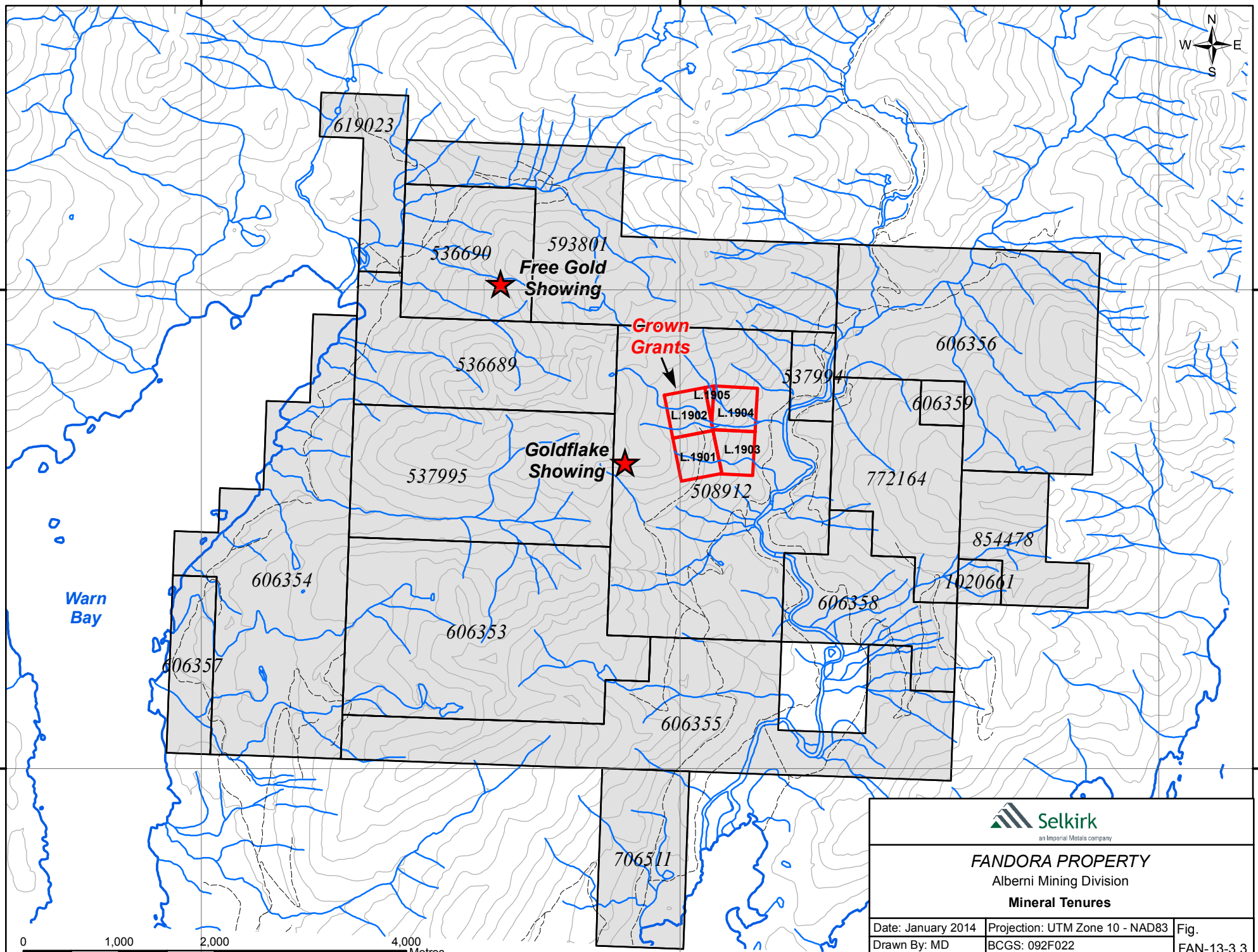


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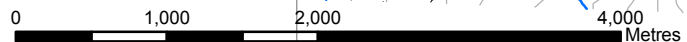
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**FANDORA PROPERTY**  
Alberni Mining Division  
**Mineral Tenures**

Date: January 2014	Projection: UTM Zone 10 - NAD83	Fig.
Drawn By: MD	BCGS: 092F022	FAN-13-3.3
Scale: 1:50,000	NTS: 092F04,05	





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

The climate of the region is classified as West Coast Marine, with mild but wet winter seasons and cool drier summers. Mean annual precipitation is 3,235 mm as rain, and 536 mm of snow. The annual temperature range varies from  $-15.0^{\circ}\text{C}$  to  $32.8^{\circ}\text{C}$ , with a mean of  $9.0^{\circ}\text{C}$  (Knight Piésold, Catface report 2004). Temperatures are moderated by the proximity of the ocean so that prolonged periods of freezing weather are unusual.

The Tofino and related west central Vancouver Island areas can be classified as West Coast Marine, with mild but wet winter seasons and cool drier summers. The area does tend to be relatively wet year round, with an average of 480 cm of precipitation falling annually, mostly as rain. Snowfall is highly variable but tends to be modest at the low elevations of the property (100-200 m). The higher elevations however can receive substantial amounts of snow. Snow can persist on the Property from November through May. The property is most easily worked from June through October.

The Pandora property covers an area containing some steep mountainous ridges and precipitous topography. Elevations range from sea level at the western and southern margins of the property to 1100 m on the northern limit and 1040 m on the eastern edge of the holdings.

The Pandora property is located in the Clayoquot Sound region of western Vancouver Island. This area is dominated by the Estevan Coastal Plain, a gently undulating terrain that has been broken into numerous islands and peninsulas by inlets and channels. Steep highly dissected rocky hills are formed by outliers of the Westcoast intrusive complex which forms the Vancouver Island Mountains. Recently significant areas of forest land have been harvested within the property boundaries and nearby areas.

The property is covered in a typical assemblage of west coast second growth vegetation consisting of thick stands of western hemlock, red cedar, Douglas fir and white pine. There is a thick undergrowth of salal and salmonberry throughout the area.

## **HISTORY:**

In the late 1800's and very early 1900's Vancouver Island and the Coastal Mainland of British Columbia saw extensive mineral exploration and mine development. The Pandora Mine and several lesser auriferous quartz veins in the Tranquil Creek and adjacent watersheds of the Clayoquot Sound were first discovered in the late 1930's. Initially, these discoveries were explored on surface by hand trenching and other limited exploration techniques. In 1940, the Pandora property was staked by E.G. Brown and P. Donahue to cover what is now defined as the Bell No 1-4 Crown Grants (Report of the Minister of Mines Report, 1947). The site was subsequently taken over by Privateer Mines, who in conjunction with Canamac Mining Company, carried out most of the underground development on the Property. Four main adits on the 2100, 1900, 1700, and 1500 foot elevations were driven utilizing hand steel and wheelbarrows over the course of one year (Campbell, 1950). In 1947 three main properties (Gold Flake, Tofino, and Pandora) were amalgamated and placed into the newly formed Tofino Gold Mining Company. For several years, the Property was heavily explored, chiefly by a series of open cuts along the strike of the high-grade zones of the Pandora vein structure. This exploration period culminated in the late 1950's with the driving of two additional exploration drifts on the 1265 and 1010 levels. As with the previous episode of mining, no substantial volumes of ore were removed for milling (H.W. Agnew, 1959).

Between 1957 and 1964 a new phase of development was initiated by a group organized by Moneta Porcupine Mines. A 35 tonne/day mill was constructed in conjunction with drift expansion on the 1500 and 1700 levels. Within these levels, several high grade zones were stoped and connections were made by two raises from the 1500 to the 1700 levels. A full 20 man camp was constructed, as well as an access

road, telegraph line, and tram line connecting the lower beach camp with the upper mining camp (Report of the Minister of Mines, 1960 and 1963).

This phase of development was the last major episode the Fandora Property saw. In the 1970's and 1980's several small conformational sampling and mapping projects were conducted but nothing more substantial. In 1998, Doublestar Resources Ltd. purchased the five Fandora Crown granted mineral claims from Phrygian Mining Corporation (formerly New Privateer Mine Limited) and in 1999 conducted a series of exploration programs which included rehabilitating the 1500 portal entrance, dewatering the 1500 level adit, the removal of 1,000 kg of Fandora quartz vein material, metallurgical testwork on the Fandora vein material and associated environmental and ARD lithological studies. Also a terrain stability program focused on re-opening the last kilometer of the Fandora access road (which had been deactivated the previous year) was conducted.

The Doublestar programs succeeded in highlighting the ease of recovery of the gold within the Fandora vein material and in initiating baseline environmental work on the Property.

Selkirk conducted a geochemical sampling program in May 2009, the results of which are described in the Geochemical Sampling Report dated February 23, 2010, Assessment Report #31379.

An additional sampling program was undertaken in 2011 with the results being compiled in the Geochemical Sampling Report dated October 11, 2011, BC Assessment Report #32456.

### **REGIONAL GEOLOGY:**

The West Coast of Vancouver Island is underlain by the Wrangellia Terrane, an exotic assemblage accreted to the North American Cordillera in the Mesozoic, and the West Coast Complex. The Paleozoic (Late Devonian) Sicker Group is the oldest member of the Wrangellia Terrane and underlies all other lithologies. The Sicker Group is defined by two main assemblages of marine arc deposition: the Nitnat and the McLaughlin Ridge Formations.

The Nitnat Formation is dominantly an andesite-basalt metavolcanic suite with associated volcanic breccias and agglomerates. The younger McLaughlin Ridge is characterized by volcanoclastic sandstones, pillow lavas, and felsic volcanics with minor debris flow indications (Brandon, M.T., 1985). Carboniferous to Permian shallow marine deposited strata of bioclastic limestone, sandstone, and shale of the Buttle Lake Group conformably overlie the Sicker Group. The unconformable Middle Triassic Karmutsen Formation volcanics (basaltic pillow lavas, flows, and breccias) complete with a suite of hypabyssal sills and dykes, lie atop. A Late Triassic shallow marine sequence of Limestone (Quatsino Formation) overlies the Karmutsen, and is in turn overlain by thinly banded units of calcareous metasediments and argillites of the Parson's Bay Formation (Gunning, 1932).

All these lithologies are unconformably overlain by the thick Bonanza Volcanic sequence. These rocks consist chiefly of variably colored (red, green, and maroon) welded to massive dacitic tuffs and pyroclastic andesites. The Bonanza units trend prevalently northwesterly and are in turn intruded by the Lower Jurassic Island Intrusions; the cause of associated regional and contact metamorphism.

The West Coast Complex lies on the extreme western margin of Vancouver Island. The Complex is composed of a chaotic assemblage of lithologies defined by melanges of Lower Cretaceous mudstones, sandstones, and cherts overlying an older Volcanic Arc Complex. The northwest striking West Coast Fault separates this Mesozoic complex from the aforementioned Paleozoic and associated rocks of the rest of the Wrangellia Terrane on Vancouver Island (Brandon, M.T., 1985).

## **PROPERTY GEOLOGY:**

The Pandora vein system is hosted by andesites and basalts of the Nitnat Formation. These lithologies have been altered to greenstone by Jurassic plutonism including a coarse gabbrodiorite, several stages of feldspar porphyry dykes and sills and andesitic dykes (particularly in the vicinity of the Pandora mine workings) (Seraphim, 1981). These intrusive rocks are known locally as the Island intrusions. Where the intrusives are in contact with Nitnat units widespread honfelsation is common. Numerous steeply dipping fractures cut the greenstones, and trend north-northwest on average.

The Pandora Vein System trends at approximately 075° and dips steeply (65°-70°) to the north. The vein pinches, swells and bifurcates, however it averages a width of 1-1.4 m. The Pandora Vein System is predominantly comprised of two to three distinct veins separated by a highly sheared central andesite dyke. The vein is remarkably continuous with a strike length that has been developed (adits and opencuts) and traced on surface for over two (2) km. The vein has been tested down dip for a minimum of 330 m, and it is reasonable to assume it has a far greater down dip extension. The Pandora Vein System is apparently controlled by a shear zone, and more or less parallels the described andesite dyke. However, little alteration of the country rock is evident greater than approximately 0.5 m from the vein-greenstone contact.

The auriferous Pandora Vein System is dominated by quartz, is sheeted and thinly banded and contains varying amounts of brown-orange weathered carbonate (ankerite). Sulphide content ranges from 5% to 15% and includes both fine (disseminated to massive) sulphides on fracture and sheet boundaries, to coarser crystalline habits within the bull quartz of the vein itself. Observation and metallurgical testing indicates the gold in the vein system occurs chiefly as free gold contained within the quartz zones (Tse, 1999; Yee, 2006). Pyrite is the dominant sulphide present, however sphalerite, galena, chalcopyrite and arsenopyrite have been noted (Campbell, 1950).

## **2013 GEOCHEMICAL SAMPLING PROGRAM:**

The 2013 exploration program was initiated to follow up on the successful 2009 and 2011 programs (Assessment Reports #31379 and 32456) using soil geochemical sampling to identify gold targets.

The program was designed to test for along strike extensions to the Pandora vein. Sample lines were oriented northwest and perpendicular to the strike of the vein. A baseline was run for 1200 m at a bearing of 45°. Samples were taken along the baseline at 25 m intervals. Perpendicular lines were spaced every 100 m and sample spacing remained 25 m on those lines. A total of 346 B-horizon soil samples and 4 rock samples were taken during the field program.

The field program was staged over several stretches of good weather from late October until late November. Field crews were quartered in Tofino and transported to the property each day by helicopter.

Analytical results are appended in Section D and sample descriptions are found in Section E. The results of the rock and soil sampling sample locations are shown on Figure 13.4 while the geochemical values for gold, arsenic, copper and lead are plotted on Figures 13.5-13.8.

The soil survey returned significantly anomalous values for gold across the grid. Two obvious NE trending zones of gold anomalism lie parallel to the trend of the Pandora vein system. A coincident zone of anomalous arsenic lies on the same trend. Although arsenic and gold do not correlate well across the grid (correlation coefficient of 0.27), the most anomalous gold regions are also the most anomalous arsenic regions. Within the zone of anomalous gold, values reach as high as 6.5 g/t in soil. The 95<sup>th</sup> percentile for gold on the property was 226.04 ppb and the 95<sup>th</sup> percentile for arsenic was 47.44 ppm.

Line 500W returned a significantly anomalous linear trend of gold values that run perpendicular to the NE trending anomaly. This line happens to be within a significantly incised valley and some of the downhill anomalism could be due to erosion. The top of this zone of anomalism lines up with one of the NE trending zones.

Granitic rocks were encountered in the SW portion of the grid area. Molybdenum and zinc are significantly enriched in these area but there are no obvious signs that it is mineralized. Chlorite-carbonate-sericite alteration was encountered near the volcanic-intrusive contact but it is uncertain whether this is related to a mineralizing event due to the limited distal alteration around the Pandora vein.

### **CONCLUSIONS:**

The 2013 geochemical program on the Pandora property was successful at delineating a zone of significant gold and arsenic anomalies that is on trend with the known Pandora vein and its associated workings. Given the strength and size of the anomalous regions, the likelihood of encountering mineralized veins is high. Future work should focus on further defining drill targets and then completing a short diamond drill program to test the strike length of the veins.

### **RECOMMENDATIONS:**

A two phase program is recommended on the Pandora property.

**Phase 1:** A ~5000 m IP program should be completed on the property to see if the quartz veins can be modelled by resistivity. In conjunction with the 2013 geochemical program, this should allow for accurate drill targeting.

**Phase 2:** A ~1200 m diamond drill program should be completed to test for extensions of the Pandora vein.

**Respectfully submitted,**

**Dustin Perry, BSc.**

## **REFERENCES:**

Agnew, H.W., **1959**: Report On Tofino Copper Claims, Tofino Inlet B.C., Alberni M.D.

Brandon, M.T., **1985**: Mesozoic Metamorphism of the Pacific Rim Complex, Western Vancouver Island. In, Field Guides to Geology and Mineral Deposits in the Southern Canadian Cordillera. GSA Cordilleran Section Meeting, Vancouver, B.C., May, 1985.

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Dickson, M. P., **1998** and **1999**: Fandora Property Notes

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Gray, P. D., **2007**: Geological Technical Assessment Report, Fandora Property, for Doublestar Resources Ltd, September 28, 2007, BC Assessment Report #29325

Gunning, H.C., **1932**: Annual Reports of the B.C. Department of Mines.

Mason, E.E., **1954**: Report On the Production Possibilities of the Tofino Gold Mine, West Coast of Vancouver Island.

Miller-Tait, J, **2010**: Geochemical Sampling Report on the Fandora Property for Selkirk Metals Corp., February 23, 2010, BC Assessment Report #31379.

Miller-Tait, J, **2011**: Geochemical Sampling Report on the Fandora Property for Selkirk Metals Corp., October 11, 2011, BC Assessment Report #32456.

Muller, R.R., **1981**: Westmin Resources' Massive Sulphide Deposits, Vancouver Island. In; Field Guides to Geology and Mineral Deposits in the Southern Canadian Cordillera. GSA Cordilleran Section Meeting, Vancouver, B.C., May, 1985.

Seraphim, R.H., **1981**: Report on the Fandora Gold Property Tofino, B.C. for Devon Industries Inc.

Sibbick, S.; **1999**: Final Report, Fandora Project ARD Review. Norecol, Dames, & Moore.

Report Of the Minister of Mines (Fandora Related) **1947**, **1960**, and **1963**.

**STATEMENT OF QUALIFICATIONS:**

For: Dustin Perry of 2979 W 3<sup>rd</sup>, Vancouver, BC.

I graduated from the University of British Columbia with a Bachelor of Sciences Degree in Geology (2013);

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

The observations, conclusions and recommendations contained in the report are based on supervision of the described program, field examinations and the evaluation of results of the exploration program completed by the operator of the property.

A handwritten signature in black ink, appearing to be 'DP' with a stylized flourish.

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**Dustin Perry, BSc.**

**SECTION B: PROPERTY**

**Mineral Tenure Summary Table**

FANDORA PROPERTY: MINERAL TENURES										
OWNER:	Selkirk Metals Corp.	100.0%	BC Client No.	231261				Date:	Nov 29 2013	
ROYALTY:		nil						Tenures:	23	
								Cells/Units:	242	
								Area (ha):	5,077.51	
MINING DIVISION: Alberni										
LAND DISTRICT: Clayoquot										
LOCATION: 19 km northeast of Tofino near the head of Tranquil Inlet on the west side of Vancouver Island.										
MAP NO.	NTS:	092F/04E, 05W	GEOGRAPHIC COORDINATES:		49° 15.2' N;	125° 41.3' W				
	BCGS:	092F022	UTM COORDINATES (NAD 83, ZONE 10):		5 459 000 N	304 300 E				
<b>Crown Granted Mineral Claims:</b>										
Lot No.	Tenure Type	Claim Name	Map No.	Grant Date	Folio No.	Taxes Paid To	Units	Area (ha)	Tax Rate / ha	Taxes
L. 1901	Crown Grant MC	Bell	092F022	1948/sep/16	001988	2014/jul/02	1	19.62	\$1.25	\$24.53
L. 1902	Crown Grant MC	Bell No. 1	092F022	1948/sep/16	001988	2014/jul/02	1	19.62	\$1.25	\$24.53
L. 1903	Crown Grant MC	Bell No. 2	092F022	1948/sep/16	001988	2014/jul/02	1	17.49	\$1.25	\$21.86
L. 1904	Crown Grant MC	Bell No. 3	092F022	1948/sep/16	001988	2014/jul/02	1	20.85	\$1.25	\$26.06
L. 1905	Crown Grant MC	E.M. No. 3 Fr.	092F022	1948/sep/16	001988	2014/jul/02	1	1.85	\$1.25	\$2.31
<b>Subtotal</b>	<b>5</b>						<b>5</b>	<b>79.43</b>		<b>\$99.29</b>
<b>Cell Claims:</b>										
Tenure No.	Tenure Type	Claim Name	Map No.	Record Date	Good To Date	Work Year	Cells	Area (ha)	Work Factor	Work**
508912	Claim		092F022	2005/mar/14	2016/dec/31	3	31	653.72	\$10.00	\$6,537.21
536689	Claim	Free Gold 2	092F022	2006/jul/07	2016/dec/31	3	13	274.11	\$10.00	\$2,741.05
536690	Claim	Free Gold 1	092F022	2006/jul/07	2015/dec/31	3	9	189.73	\$10.00	\$1,897.28
537994	Claim	Fandora	092F022	2006/jul/07	2016/dec/31	3	2	42.17	\$10.00	\$421.71
537995	Claim	Fandora	092F022	2006/jul/07	2016/dec/31	3	18	379.59	\$10.00	\$3,795.87
593801	Claim	F 6	092F022	2008/nov/03	2015/dec/31	3	21	442.70	\$10.00	\$4,427.01
606353	Claim	F 1	092F022	2009/jun/19	2015/dec/31	3	25	527.36	\$10.00	\$5,273.60
606354	Claim	F 2	092F022	2009/jun/19	2015/dec/31	3	25	527.33	\$10.00	\$5,273.30
606355	Claim		092F022	2009/jun/19	2015/dec/31	3	24	506.31	\$10.00	\$5,063.10
606356	Claim	F 3	092F022	2009/jun/19	2015/dec/31	3	24	506.00	\$10.00	\$5,060.00
606357	Claim	F 4	092F022	2009/jun/19	2015/dec/31	3	4	84.39	\$10.00	\$843.90
606358	Claim	F 5	092F022	2009/jun/19	2015/dec/31	3	9	189.81	\$10.00	\$1,898.10
606359	Claim	F 6	092F022	2009/jun/19	2015/dec/31	3	1	21.09	\$10.00	\$210.90
619023	Claim	F 8	092F022	2009/aug/14	2015/dec/31	3	5	105.39	\$10.00	\$1,053.90
706511	Claim	F 9	092F022	2010/feb/18	2015/dec/31	3	8	168.82	\$10.00	\$1,688.20
772164	Claim	F10	092F022	2010/may/12	2015/dec/31	3	11	231.95	\$10.00	\$2,319.50
854478	Claim	F11	092F022	2011/may/13	2015/dec/31	3	6	126.53	\$10.00	\$1,265.30
1020661	Claim	F12	092F022	2013/jun/30	2015/dec/31	3	1	21.09	\$10.00	\$210.90
<b>Subtotal</b>	<b>18</b>						<b>237</b>	<b>4,998.08</b>		<b>\$49,980.83</b>
<b>TOTAL</b>	<b>23</b>						<b>242</b>	<b>5,077.51</b>		<b>\$50,080.12</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>2015 Tenure Maintenance Requirements:</b>								<b>Work</b>	<b>or</b>	<b>Cash-in-Lieu</b>
<b>Assessment or Cash-in-Lieu @ 2x work requirement</b>								<b>\$36,484.99</b>		<b>\$72,969.98</b>
<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.	
2007/jul/05	4156838	\$701.43	Cash-in-lieu	\$0.00	\$0.00	N/A				
2007/jul/06	4157267	\$20,919.07	\$15,795.92	\$1,046.67	\$0.00	2007/oct/04	2007/oct/02	2008/jan/03	29325	
2007/jul/17	4159055	\$499.13	Cash-in-lieu	\$0.00	\$0.00	N/A				
2007/sep/25	4171375	2125.26	Cash-in-lieu	\$0.00	\$0.00	N/A				
2008/feb/19	4196763	\$2,672.95	Cash-in-lieu	\$0.00	\$0.00	N/A				
2008/aug/25	4233095	\$887.95	Cash-in-lieu	\$0.00	\$0.00	N/A				
2008/oct/23	4242788	\$2,277.26	Cash-in-lieu	\$0.00	\$0.00	N/A				
2008/oct/27	4243400	\$1,265.10	Cash-in-lieu	\$0.00	\$0.00	N/A				
2009/oct/29	4388029	\$35,200.02	\$26,372.18	\$8,827.84	\$0.00	2010/feb/23	2010/feb/23	2010/jul/07	31379	
2011/jan/28	4830936	\$153.56	Cash-in-lieu	\$0.00	\$0.00	N/A				
2011/apr/18	4855136	\$491.90	Cash-in-lieu	\$0.00	\$0.00	N/A				
2011/jul/28	4922507	\$45,653.45	\$32,840.12	\$12,813.33	\$0.00	2011/oct/26	2011/oct/25	2012/feb/20	32456	
2013/nov/29	5478916	\$61,506.77	\$43,470.00	\$18,036.77	\$0.00	2014/feb/27				

**SECTION C: EXPENDITURES (Fandora 2013 Geochemical Assessment Program)**



**SELKIRK METALS CORP.  
FANDORA PROJECT**

**Statement of Expenditures: 2013 Geochemical / Geological Sampling Program**

**Feb 24 2014**

<b>Item / Contractor</b>	<b>Work</b>	<b>Period</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>Personnel:</b>						
Jim Miller-Tait, P.Geo.	Exploration Manager, general supervision	Oct 29-Nov 26 2013	2	days	\$550.00	\$1,100.00
Dustin Perry	Project geologist	Nov 2-26 2013	14	days	\$400.00	\$5,600.00
Ben Eggers	Geologist	Oct 30-26 2013	11	days	\$400.00	\$4,400.00
Jaime Pascoe	Geologist	Nov 9-25 2013	6	days	\$400.00	\$2,400.00
George Frank	Field assistant	Nov 4-25 2013	7.5	days	\$275.00	\$2,062.50
John Frank	Field assistant	Nov 4-5 2013	1.5	days	\$250.00	\$375.00
Brandon Frank	Field assistant	Nov 4-5 2013	1.5	days	\$200.00	\$300.00
Patrick Dick	Field assistant	Nov 4-5 2013	1.5	days	\$200.00	\$300.00
Johnny John	Field assistant	Nov 23-25 2013	3	days	\$200.00	\$600.00
Eugene Webster	Field assistant	Nov 23 2013	1	days	\$200.00	\$200.00
Subtotal						\$17,337.50
<b>Accommodation &amp; Meals:</b>						
Accommodation	Marina West Motel	Oct 29-Nov 26 2013	26	days	\$102.95	\$2,676.81
Food / Meal Expenditures	D. Perry - Crew food supplies	Nov 3-26 2013				\$1,689.32
Food / Meal Expenditures	B. Eggers - Crew food supplies	Nov 3-26 2013				\$327.44
Subtotal						\$4,693.57
<b>Transportation (Air):</b>						
Atleo Air	Helicopter transport from Tofino to property	Oct 30 - Nov 25 2013	8.0	hours	\$1,300.00	\$10,400.00
Subtotal						\$10,400.00
<b>Transportation (Vehicle):</b>						
Car	G. Keevil vehicle	Oct 29-30 2013	580	km	\$0.40	\$232.00
Fuel	G. Keevil vehicle	Oct 29-30 2013				\$75.40
BC Ferry	G. Keevil vehicle plus J. Miller-Tait	Oct 29-30 2013				\$164.50
Toyota Tacoma	D. Perry vehicle	Nov 2-26 2013	2017	km	\$0.40	\$806.80
Fuel	D. Perry vehicle	Nov 3-26 2013				\$435.72
BC Ferry	D. Perry vehicle	Nov 2-26 2013				\$419.90
Mazda Protégé	B. Eggers vehicle	Oct 30-Nov 25 2013	440	km	\$0.40	\$176.00
Fuel	B. Eggers vehicle	Oct 30-Nov 25 2013				\$59.70
Subtotal						\$2,370.02
<b>Assaying:</b>						
Acme Analytical Laboratories	B Soil Samples: 1DX2 analytical code	Nov, Dec 2013	346	samples	\$17.38	\$6,012.36
	Rock Samples: 1DX2 analytical code	Nov, Dec 2013	4	samples	\$23.10	\$92.38

Subtotal						\$6,104.74
<b>Field Supplies:</b>						
Deakin Equipment Ltd.	Sampling & engineering supplies	Oct 25 2013				\$232.70
Subtotal						\$232.70
<b>Map Preparation:</b>						
Melissa Darney, Exploration Technician	GIS work: geochem maps	Jan, Feb 2014	2.5	days	\$350.00	\$875.00
<b>Report Preparation:</b>						
Dustin Perry, Project Geologist	Data compilation, report preparation	Jan, Feb 2014	3	days	\$400.00	\$1,200.00
Erik Andersen	Data preparation, report editing	Jan, Feb 2014	5	hours	\$54.30	\$271.50
Subtotal						\$1,471.50
<b>Total</b>	<b>Tenures: 508912 and 537995</b>		<b>350</b>		<b>\$124.24</b>	<b>\$43,485.03</b>

**SECTION D: ANALYTICAL REPORTS**

1. Analyses carried out by Acme Analytical Laboratories Ltd. of Vancouver, B.C.

<b>File Number</b>	<b>Date of Certificate</b>	<b>No. of Samples</b>	<b>Sample Type</b>	<b>Analytical Procedure</b>
VAN13004807	Dec. 3, 2013	205	Soil	1DX2
VAN13004808	Dec. 4, 2013	3	Rock	1DX2
VAN13005027	Dec. 14, 2013	141	Soil	1DX2
VAN13005028	Dec. 11, 2013	1	Rock	1DX2
<b>Total</b>				

2. Statement of Analytical Procedures: 1 data sheet  
- Group 1D & 1DX; Multi-Element (36) Assay by ICP-MS; Aqua Regia Digestion



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Acme Analytical Laboratories (Vancouver) Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

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

Submitted By: Email Distribution List  
Receiving Lab: Canada-Vancouver  
Received: November 13, 2013  
Report Date: December 03, 2013  
Page: 1 of 8

## CERTIFICATE OF ANALYSIS

VAN13004807.1

### CLIENT JOB INFORMATION

Project: FANDORA  
Shipment ID: FAN2013-1113  
P.O. Number  
Number of Samples: 207

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

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

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	205	Dry at 60C			VAN
SS80	205	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	205	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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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

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

Project: FANDORA  
 Report Date: December 03, 2013

Page: 2 of 8

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN13004807.1

Method Analyte	Unit	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
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
BL00	Soil	0.7	84.4	4.3	39	0.2	20.4	56.2	1602	7.93	4.7	50.6	0.5	12	0.2	0.4	0.2	154	0.16	0.051	4
BL25	Soil	1.0	53.6	5.1	15	0.1	7.0	6.0	97	10.43	6.3	13.1	0.6	9	<0.1	1.3	0.2	311	0.12	0.039	2
BL50	Soil	0.6	51.1	5.0	13	0.1	6.4	5.1	84	7.57	3.3	27.1	0.5	10	<0.1	1.3	0.2	292	0.13	0.027	2
BL75	Soil	0.4	37.2	4.9	10	0.2	7.8	5.7	163	6.74	2.6	64.1	0.4	10	<0.1	1.0	<0.1	270	0.19	0.029	2
BL100	Soil	0.8	36.7	5.4	14	0.2	4.9	5.1	110	6.95	3.0	4.8	0.6	9	<0.1	0.8	0.1	228	0.13	0.049	2
BL125	Soil	0.5	94.9	3.5	26	0.1	15.4	8.0	184	12.51	15.9	6.0	0.7	9	<0.1	1.1	0.1	286	0.13	0.046	2
BL150	Soil	0.6	47.2	6.8	13	0.2	9.2	3.8	78	5.49	3.8	26.0	0.4	10	<0.1	0.9	0.1	265	0.16	0.040	2
BL175	Soil	0.5	52.0	5.2	13	0.2	9.7	5.8	101	6.55	3.0	5.9	0.4	12	<0.1	0.6	0.1	271	0.17	0.036	2
BL200	Soil	0.3	44.6	4.6	7	<0.1	8.0	6.6	58	8.30	2.1	6.5	0.4	17	<0.1	2.0	0.1	297	0.21	0.017	2
BL225	Soil	0.5	53.1	6.0	17	0.2	11.7	6.5	117	5.59	9.5	11.5	0.3	16	0.1	0.8	0.2	157	0.21	0.044	3
BL250	Soil	0.6	74.1	6.0	14	0.2	7.2	5.0	101	8.06	18.2	9.8	0.6	12	<0.1	0.9	0.2	257	0.14	0.058	3
BL275	Soil	0.5	85.0	5.0	16	0.4	9.1	5.1	98	5.60	20.3	8.9	0.3	13	0.1	0.7	0.1	201	0.15	0.043	3
BL300	Soil	0.4	42.2	4.6	9	0.2	6.0	4.2	65	5.89	4.5	16.6	0.4	11	0.1	1.1	<0.1	294	0.16	0.028	2
BL325	Soil	0.5	63.1	3.5	24	0.1	10.5	7.3	170	9.54	9.3	18.8	0.9	11	<0.1	0.8	<0.1	251	0.16	0.039	2
BL350	Soil	0.7	63.2	4.1	17	0.1	10.9	6.2	137	6.36	12.9	8.4	0.7	14	<0.1	0.8	<0.1	222	0.17	0.046	2
BL375	Soil	0.3	55.8	3.9	17	0.1	9.6	6.4	205	7.40	15.5	10.8	0.8	13	<0.1	0.8	<0.1	204	0.18	0.042	2
BL400	Soil	0.4	26.4	4.9	8	0.1	5.5	4.6	131	6.06	5.0	24.1	0.5	15	<0.1	1.0	<0.1	292	0.20	0.023	2
BL425	Soil	0.4	43.7	4.4	13	0.1	7.4	5.2	142	3.97	6.1	51.9	0.5	15	0.1	0.9	<0.1	283	0.19	0.023	3
BL450	Soil	0.2	62.4	2.4	24	0.3	18.3	9.7	239	6.56	13.5	28.0	0.4	23	<0.1	0.7	<0.1	179	0.29	0.036	2
BL475	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BL500	Soil	0.5	37.5	4.8	12	0.9	11.9	5.5	102	6.93	25.9	430.2	0.6	20	0.1	1.4	<0.1	243	0.23	0.023	3
BL525	Soil	0.3	82.3	4.5	23	0.3	13.9	7.4	212	6.37	44.4	83.6	0.6	20	0.2	0.8	<0.1	200	0.21	0.049	4
BL550	Soil	0.5	31.4	4.6	10	0.1	4.0	4.1	78	6.05	5.4	23.2	0.5	11	<0.1	0.6	0.2	222	0.17	0.032	3
BL575	Soil	0.4	47.7	4.7	12	0.2	6.4	4.4	106	8.18	6.1	11.4	0.5	11	<0.1	0.8	0.1	343	0.14	0.036	2
BL600	Soil	0.4	65.0	3.5	25	0.1	14.2	8.0	212	5.64	10.0	9.4	0.9	15	<0.1	0.5	<0.1	149	0.18	0.046	3
BL625	Soil	0.5	38.0	4.2	12	0.3	8.1	4.8	123	6.56	4.2	4.9	0.6	13	<0.1	0.7	<0.1	196	0.19	0.036	2
BL650	Soil	0.8	122.0	2.6	36	0.2	16.7	9.4	337	4.56	9.7	14.2	1.1	17	<0.1	0.7	<0.1	115	0.24	0.076	2
BL675	Soil	0.1	107.0	4.4	46	0.1	28.7	18.7	578	4.45	15.9	13.4	0.3	26	0.1	0.5	<0.1	128	0.46	0.040	2
BL700	Soil	0.5	47.2	4.5	14	0.1	9.7	5.8	127	7.35	7.7	7.7	0.8	13	<0.1	0.7	<0.1	215	0.18	0.030	2
BL725	Soil	0.1	93.5	2.8	38	<0.1	26.2	15.4	398	4.16	16.1	22.7	0.4	23	<0.1	0.5	<0.1	118	0.50	0.039	2

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



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Acme Analytical Laboratories (Vancouver) Ltd.  
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Client: **Selkirk Metals Corp.**  
 200 - 580 Hornby Street  
 Vancouver BC V6C 3B6 Canada

Project: FANDORA  
 Report Date: December 03, 2013

Page: 2 of 8

Part: 2 of 2

# CERTIFICATE OF ANALYSIS

VAN13004807.1

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
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	
BL00	Soil	67	0.77	12	0.294	5	5.02	0.006	0.02	<0.1	0.20	8.0	<0.1	0.12	13	3.7	<0.2
BL25	Soil	60	0.22	7	0.538	4	2.64	0.006	0.02	<0.1	0.13	3.0	<0.1	0.06	22	0.8	<0.2
BL50	Soil	44	0.21	4	0.403	3	2.03	0.007	0.01	<0.1	0.14	3.2	<0.1	0.05	19	1.0	<0.2
BL75	Soil	39	0.24	4	0.427	3	1.44	0.008	0.02	<0.1	0.14	3.3	<0.1	<0.05	19	1.2	<0.2
BL100	Soil	33	0.16	7	0.397	3	2.00	0.007	0.02	<0.1	0.15	3.2	<0.1	0.05	16	2.8	<0.2
BL125	Soil	87	0.61	7	0.648	3	4.99	0.007	0.01	<0.1	0.21	6.7	<0.1	0.07	22	1.4	<0.2
BL150	Soil	57	0.15	7	0.401	<1	1.78	0.009	0.02	<0.1	0.18	3.4	<0.1	<0.05	19	1.6	<0.2
BL175	Soil	59	0.18	6	0.417	3	1.82	0.007	0.01	<0.1	0.11	2.7	<0.1	<0.05	17	0.7	<0.2
BL200	Soil	31	0.07	2	0.504	1	0.88	0.005	<0.01	<0.1	0.04	2.0	<0.1	<0.05	18	<0.5	<0.2
BL225	Soil	47	0.25	7	0.293	3	2.29	0.011	0.02	<0.1	0.22	4.4	<0.1	0.09	10	4.9	<0.2
BL250	Soil	43	0.17	7	0.419	<1	2.52	0.008	0.02	<0.1	0.22	3.1	<0.1	0.05	17	2.9	<0.2
BL275	Soil	27	0.21	8	0.335	3	2.29	0.008	0.02	<0.1	0.19	3.9	<0.1	0.06	12	1.3	<0.2
BL300	Soil	39	0.11	4	0.455	2	1.59	0.008	<0.01	<0.1	0.15	3.8	<0.1	0.05	17	2.0	<0.2
BL325	Soil	68	0.43	5	0.526	4	3.48	0.008	0.01	<0.1	0.24	6.4	<0.1	0.08	17	4.1	<0.2
BL350	Soil	58	0.32	7	0.468	4	2.58	0.011	0.02	<0.1	0.24	5.4	<0.1	<0.05	13	2.2	<0.2
BL375	Soil	64	0.39	6	0.468	3	2.80	0.010	0.01	<0.1	0.26	5.6	<0.1	<0.05	13	1.9	<0.2
BL400	Soil	40	0.14	3	0.523	1	1.04	0.010	<0.01	<0.1	0.08	2.8	<0.1	<0.05	17	1.0	<0.2
BL425	Soil	36	0.14	6	0.510	3	1.44	0.008	<0.01	<0.1	0.12	3.5	<0.1	<0.05	14	1.9	<0.2
BL450	Soil	51	0.67	9	0.506	2	2.28	0.014	0.01	<0.1	0.18	5.4	<0.1	<0.05	11	1.9	<0.2
BL475	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BL500	Soil	57	0.30	6	0.471	3	2.08	0.012	0.01	<0.1	0.18	5.2	<0.1	<0.05	17	<0.5	<0.2
BL525	Soil	62	0.40	6	0.366	<1	2.99	0.012	0.01	<0.1	0.28	6.1	<0.1	<0.05	12	2.8	<0.2
BL550	Soil	31	0.10	3	0.291	4	1.95	0.007	0.01	<0.1	0.16	3.7	<0.1	<0.05	16	0.7	<0.2
BL575	Soil	51	0.12	4	0.502	<1	2.11	0.008	<0.01	<0.1	0.15	4.4	<0.1	<0.05	21	1.5	<0.2
BL600	Soil	56	0.46	7	0.367	3	3.72	0.010	0.02	<0.1	0.25	7.1	<0.1	<0.05	12	2.0	<0.2
BL625	Soil	45	0.24	5	0.403	4	2.52	0.012	0.01	<0.1	0.15	3.7	<0.1	<0.05	13	1.5	<0.2
BL650	Soil	64	0.71	7	0.400	2	5.29	0.010	0.01	0.1	0.27	10.8	<0.1	<0.05	9	1.7	<0.2
BL675	Soil	48	1.18	23	0.341	2	2.58	0.015	0.02	<0.1	0.16	5.3	<0.1	<0.05	9	0.5	<0.2
BL700	Soil	58	0.38	6	0.469	2	2.67	0.010	0.02	<0.1	0.22	5.4	<0.1	<0.05	14	3.1	<0.2
BL725	Soil	47	1.23	12	0.297	2	2.83	0.016	0.02	<0.1	0.10	6.1	<0.1	<0.05	8	1.4	<0.2

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

# CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				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	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
BL750	Soil			0.4	127.1	4.4	37	<0.1	25.5	16.6	1201	3.53	12.4	19.9	0.4	21	0.1	0.6	<0.1	102	0.49	0.066	3
BL775	Soil			0.4	71.8	3.9	29	0.1	18.9	11.5	306	4.84	8.3	28.2	0.7	20	0.1	0.9	<0.1	155	0.24	0.037	2
BL800	Soil			0.4	36.8	4.3	24	0.2	10.2	6.4	214	6.75	4.4	3.9	0.8	16	<0.1	1.6	<0.1	186	0.15	0.042	3
BL825	Soil			0.4	39.0	11.3	21	0.2	12.8	9.7	715	4.87	4.0	3.3	0.3	23	0.2	1.5	0.1	179	0.31	0.045	2
BL850	Soil			0.5	58.5	8.1	20	0.3	12.3	7.8	218	7.35	2.2	2.3	0.4	21	<0.1	1.3	0.1	221	0.13	0.060	2
BL875	Soil			0.3	42.1	8.1	20	0.1	13.7	7.3	202	5.61	2.3	1.0	0.3	36	<0.1	1.7	<0.1	231	0.22	0.041	2
BL900	Soil			0.2	24.1	5.7	43	0.2	37.1	21.1	1108	6.01	1.7	2.4	0.2	27	<0.1	0.7	<0.1	189	0.18	0.056	2
BL925	Soil			0.9	29.3	5.6	28	0.1	15.7	14.7	1000	6.37	5.5	5.2	0.7	22	0.1	0.9	0.3	185	0.20	0.045	2
BL950	Soil			0.6	27.2	14.4	48	0.1	67.6	39.5	2648	4.84	8.2	4.9	0.6	10	<0.1	0.4	0.5	118	0.13	0.060	2
BL975	Soil			0.6	10.6	9.2	7	<0.1	3.4	5.0	129	0.73	3.3	7.9	<0.1	3	<0.1	0.3	0.5	10	0.06	0.041	2
BL1000	Soil			0.1	4.4	4.3	4	<0.1	2.5	2.8	63	0.49	1.6	3.1	<0.1	4	<0.1	0.2	0.2	17	0.04	0.017	2
BL1025	Soil			0.7	16.1	8.6	14	0.1	4.7	5.2	273	2.55	2.0	2.3	0.1	9	<0.1	0.2	0.2	60	0.09	0.061	3
BL1050	Soil			1.6	27.5	7.4	34	<0.1	5.7	17.7	1086	5.45	3.0	3.1	1.2	10	0.1	0.3	0.1	114	0.08	0.064	4
BL1075	Soil			0.7	11.2	13.8	18	0.3	5.2	7.5	558	5.59	2.1	2.1	0.9	11	0.3	0.2	0.1	89	0.08	0.052	2
BL1100	Soil			0.5	14.1	9.2	22	0.1	7.9	6.0	302	2.88	1.8	150.3	0.3	13	0.1	0.2	0.1	59	0.12	0.048	2
BL1125	Soil			0.6	10.4	6.2	22	0.1	3.9	11.7	1472	2.61	1.0	0.6	0.2	10	0.1	0.1	<0.1	83	0.11	0.041	3
BL1150	Soil			0.2	9.4	4.9	35	<0.1	1.4	2.8	119	2.16	1.2	1.2	0.2	4	0.1	0.1	<0.1	41	0.03	0.022	2
BL1175	Soil			0.3	14.9	4.7	14	0.1	5.3	4.3	171	2.26	2.2	<0.5	0.3	17	<0.1	0.2	<0.1	59	0.22	0.036	2
BL1200	Soil			0.6	11.4	8.0	11	0.2	3.5	1.9	92	4.32	1.6	4.9	0.4	11	<0.1	0.2	0.1	79	0.09	0.053	3
L00+25W	Soil			0.8	59.1	5.8	19	0.2	9.9	6.5	113	10.94	5.0	15.8	0.5	10	<0.1	0.9	<0.1	320	0.14	0.039	2
L00+50W	Soil			0.9	87.6	4.6	33	0.1	18.5	11.7	265	8.27	5.2	36.3	0.9	10	0.2	0.5	0.1	214	0.11	0.056	2
L00+75W	Soil			0.4	7.2	8.9	15	<0.1	6.8	2.9	84	1.83	<0.5	67.6	0.4	18	<0.1	0.7	0.2	175	0.18	0.011	2
L00+100W	Soil			0.6	39.4	5.3	13	0.2	6.9	5.6	88	10.04	5.0	14.4	0.5	13	0.1	1.4	0.1	345	0.20	0.047	1
L00+125W	Soil			0.4	28.6	7.4	14	0.2	8.2	6.6	207	5.25	1.6	18.5	0.3	14	<0.1	0.9	0.1	245	0.18	0.043	2
L00+150W	Soil			0.2	24.2	5.8	6	<0.1	3.0	3.6	105	4.15	0.5	3.5	0.4	10	<0.1	0.6	0.1	273	0.16	0.021	2
L00+175W	Soil			0.5	28.9	4.1	10	0.2	5.8	4.9	88	5.65	1.4	2.6	0.4	11	<0.1	0.9	<0.1	265	0.16	0.027	2
L00+200W	Soil			0.6	18.3	5.7	8	<0.1	3.6	4.7	265	6.33	2.7	1.1	0.6	8	<0.1	0.4	<0.1	292	0.15	0.040	2
L00+225W	Soil			<0.1	19.7	5.7	10	0.2	5.2	4.8	166	3.91	0.7	2.2	0.4	13	0.1	0.2	<0.1	192	0.31	0.017	2
L00+250W	Soil			0.4	45.0	7.0	13	0.3	7.7	6.8	128	6.40	5.2	16.7	0.4	12	<0.1	0.9	0.1	274	0.16	0.047	2
L00+275W	Soil			0.4	70.5	3.9	25	0.2	14.9	8.9	504	6.99	8.2	10.1	0.5	21	0.3	0.6	0.2	193	0.21	0.078	2

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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	
BL750	Soil	44	1.08	11	0.261	2	3.12	0.015	0.02	<0.1	0.17	7.0	<0.1	<0.05	7	0.9	<0.2
BL775	Soil	48	0.89	11	0.374	1	2.66	0.011	0.02	<0.1	0.15	6.6	<0.1	<0.05	10	1.9	<0.2
BL800	Soil	51	0.44	6	0.406	5	2.47	0.009	0.02	<0.1	0.15	5.2	<0.1	<0.05	12	2.0	<0.2
BL825	Soil	28	0.47	8	0.366	1	1.40	0.009	0.03	<0.1	0.11	4.4	<0.1	<0.05	12	<0.5	<0.2
BL850	Soil	66	0.45	8	0.382	<1	2.02	0.007	0.02	<0.1	0.20	5.2	<0.1	<0.05	14	1.1	<0.2
BL875	Soil	54	0.49	5	0.456	2	1.36	0.007	0.02	<0.1	0.09	4.6	<0.1	<0.05	14	<0.5	<0.2
BL900	Soil	86	1.44	7	0.363	3	2.46	0.007	0.02	<0.1	0.18	11.3	<0.1	<0.05	10	0.6	<0.2
BL925	Soil	69	0.65	7	0.346	<1	2.13	0.008	0.02	<0.1	0.16	6.3	<0.1	<0.05	12	1.3	<0.2
BL950	Soil	326	1.42	12	0.145	5	2.31	0.008	0.03	<0.1	0.20	9.4	<0.1	<0.05	8	2.4	<0.2
BL975	Soil	5	0.05	14	0.040	3	0.32	0.010	0.05	<0.1	0.09	0.7	<0.1	<0.05	1	1.2	<0.2
BL1000	Soil	5	0.03	11	0.017	6	0.59	0.007	0.03	<0.1	0.08	0.5	<0.1	<0.05	5	<0.5	<0.2
BL1025	Soil	15	0.16	15	0.074	<1	2.02	0.011	0.03	<0.1	0.34	1.5	<0.1	<0.05	7	2.4	<0.2
BL1050	Soil	30	0.36	22	0.093	2	4.56	0.007	0.03	<0.1	0.25	8.2	<0.1	<0.05	13	2.6	<0.2
BL1075	Soil	18	0.27	17	0.113	2	2.05	0.018	0.03	<0.1	0.26	3.3	<0.1	<0.05	16	1.8	<0.2
BL1100	Soil	21	0.38	21	0.091	4	1.91	0.012	0.04	<0.1	0.25	2.5	<0.1	<0.05	9	1.7	<0.2
BL1125	Soil	16	0.18	22	0.049	3	2.09	0.011	0.03	<0.1	0.16	1.7	<0.1	<0.05	11	1.0	<0.2
BL1150	Soil	3	0.12	19	0.013	<1	1.28	0.008	0.03	<0.1	0.60	1.6	<0.1	<0.05	9	0.6	<0.2
BL1175	Soil	13	0.21	30	0.073	4	1.67	0.010	0.03	<0.1	0.19	2.0	<0.1	<0.05	8	0.9	<0.2
BL1200	Soil	12	0.12	14	0.096	3	1.36	0.010	0.04	<0.1	0.24	1.6	<0.1	<0.05	12	1.9	<0.2
L00+25W	Soil	55	0.29	6	0.487	3	2.92	0.007	0.01	<0.1	0.15	4.5	<0.1	<0.05	22	0.6	<0.2
L00+50W	Soil	66	0.46	17	0.385	3	6.32	0.007	0.02	<0.1	0.20	6.5	<0.1	<0.05	17	2.1	<0.2
L00+75W	Soil	18	0.25	7	0.327	<1	1.19	0.006	0.02	<0.1	0.05	2.3	<0.1	<0.05	21	<0.5	<0.2
L00+100W	Soil	54	0.19	4	0.604	<1	1.91	0.006	0.01	<0.1	0.12	2.8	<0.1	<0.05	22	0.5	<0.2
L00+125W	Soil	22	0.37	4	0.346	4	1.22	0.010	0.02	<0.1	0.13	2.7	<0.1	<0.05	17	<0.5	<0.2
L00+150W	Soil	15	0.08	4	0.463	<1	0.75	0.009	<0.01	<0.1	0.04	1.7	<0.1	<0.05	12	<0.5	<0.2
L00+175W	Soil	21	0.17	4	0.461	<1	1.06	0.010	0.01	<0.1	0.07	2.6	<0.1	<0.05	18	2.0	<0.2
L00+200W	Soil	19	0.13	9	0.339	1	1.22	0.011	<0.01	<0.1	0.06	2.8	<0.1	<0.05	20	<0.5	<0.2
L00+225W	Soil	12	0.21	7	0.449	2	0.78	0.020	0.01	<0.1	0.10	2.3	<0.1	<0.05	10	<0.5	<0.2
L00+250W	Soil	26	0.14	7	0.358	<1	1.29	0.009	0.02	<0.1	0.12	4.0	<0.1	<0.05	17	0.6	<0.2
L00+275W	Soil	54	0.40	8	0.338	2	3.27	0.011	0.02	<0.1	0.33	6.5	<0.1	<0.05	13	3.1	<0.2



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Method Analyte	Unit	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
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L00+300W	Soil	0.3	53.0	5.1	10	0.3	9.7	9.7	172	5.55	13.8	11.9	0.4	19	<0.1	0.6	0.2	269	0.25	0.038	2
L00+325W	Soil	0.9	165.8	5.2	16	0.2	10.7	7.6	174	13.00	4.6	2.6	0.6	21	0.1	0.7	0.1	310	0.21	0.069	1
L00+350W	Soil	0.4	52.7	5.4	12	0.1	6.9	6.5	80	11.00	7.0	52.4	0.4	12	<0.1	1.3	0.1	366	0.14	0.038	1
L00+375W	Soil	0.5	57.9	4.9	23	<0.1	16.6	10.7	239	7.74	7.4	26.7	0.6	18	<0.1	0.5	0.1	230	0.21	0.043	3
L00+400W	Soil	0.7	52.8	5.3	15	0.2	8.7	5.6	146	6.26	5.9	16.1	0.8	14	<0.1	0.4	0.1	209	0.13	0.049	3
L00+425W	Soil	0.4	39.2	5.4	14	0.1	9.6	6.1	135	8.07	8.0	4.2	0.6	20	<0.1	0.5	0.1	316	0.24	0.040	2
L00+450W	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L00+475W	Soil	0.5	93.8	3.2	28	0.1	18.6	10.9	223	7.17	4.1	9.4	0.6	27	<0.1	0.4	<0.1	191	0.30	0.024	2
L00+500W	Soil	0.5	11.5	7.6	5	<0.1	3.8	4.4	49	2.56	0.7	6.3	0.6	11	0.1	1.8	0.2	232	0.14	0.011	3
L00+525W	Soil	0.3	3.6	8.7	6	<0.1	2.8	1.0	41	1.12	1.4	4.4	0.4	13	<0.1	0.6	0.2	142	0.17	0.014	2
L00+550W	Soil	0.6	6.7	8.0	5	<0.1	4.2	2.2	38	4.19	2.1	51.1	0.7	12	<0.1	1.0	0.2	340	0.16	0.012	2
L00+575W	Soil	0.3	8.0	4.4	9	<0.1	3.3	3.9	76	4.33	1.7	3.3	0.9	7	0.1	0.4	0.1	226	0.30	0.012	4
L00+600W	Soil	0.3	3.4	7.3	4	<0.1	1.9	1.5	33	1.00	<0.5	8.8	0.5	14	<0.1	0.9	0.2	265	0.19	0.005	2
L100S+25W	Soil	0.6	83.2	5.6	20	0.1	10.6	9.6	204	7.64	2.8	9.1	0.5	12	0.1	1.8	0.2	290	0.16	0.043	2
L100S+50W	Soil	0.7	41.0	4.9	8	<0.1	5.5	5.4	61	6.20	2.4	11.7	0.4	11	<0.1	2.3	0.3	322	0.15	0.023	2
L100S+75W	Soil	0.5	86.7	4.5	14	0.1	9.1	5.7	125	7.19	5.0	2.0	0.5	13	<0.1	1.3	0.2	281	0.15	0.043	2
L100S+100W	Soil	0.5	148.1	4.1	23	0.2	15.8	6.2	154	10.63	10.8	12.2	0.5	11	<0.1	3.2	0.2	304	0.14	0.072	2
L100S+125W	Soil	0.5	98.6	4.6	21	0.1	10.8	5.2	123	11.09	6.2	7.2	0.5	11	<0.1	0.9	0.2	309	0.11	0.060	1
L100S+150W	Soil	0.3	43.2	5.3	8	0.2	6.2	4.5	72	3.99	1.5	3.2	0.3	10	<0.1	0.8	0.1	276	0.21	0.022	2
L100S+175W	Soil	0.2	82.2	5.2	22	0.2	10.0	6.8	161	6.93	2.2	6.3	0.4	15	0.1	0.6	0.2	210	0.19	0.046	3
L100S+200W	Soil	0.4	35.4	6.1	12	0.2	6.5	5.4	84	7.90	4.0	54.4	0.6	10	<0.1	1.0	0.2	303	0.14	0.043	2
L100S+225W	Soil	0.3	30.8	6.6	11	0.1	7.7	7.0	101	5.86	4.1	7.5	0.5	14	<0.1	0.8	0.1	284	0.20	0.044	2
L100S+250W	Soil	0.4	23.6	6.8	17	<0.1	7.0	5.7	289	3.73	5.5	8.8	0.3	21	<0.1	0.9	0.1	200	0.25	0.051	2
L100S+275W	Soil	0.7	107.1	3.7	40	<0.1	20.6	10.2	349	7.70	15.9	95.4	1.2	19	<0.1	0.8	0.1	181	0.19	0.084	2
L100S+300W	Soil	0.3	32.8	5.4	16	0.1	12.8	7.8	574	7.33	3.2	9.7	0.4	18	<0.1	0.6	0.1	277	0.25	0.073	2
L100S+325W	Soil	0.5	60.6	4.9	16	0.1	10.5	6.8	520	7.15	11.3	202.8	0.7	17	<0.1	1.0	<0.1	226	0.17	0.075	2
L100S+350W	Soil	0.5	57.7	4.8	16	0.2	10.5	6.8	180	9.34	9.1	12.7	1.0	16	<0.1	0.7	0.1	266	0.19	0.070	2
L100S+375W	Soil	0.7	38.9	6.6	12	0.3	5.1	4.3	159	8.66	7.3	40.3	0.8	16	<0.1	0.7	0.2	297	0.16	0.044	2
L100S+400W	Soil	0.3	47.5	3.7	16	0.2	9.1	5.5	143	7.75	13.6	12.4	0.8	16	0.2	0.4	<0.1	193	0.17	0.048	2
L100S+425W	Soil	0.4	74.3	5.0	21	0.3	18.4	7.6	149	9.75	18.2	43.8	1.0	20	0.1	0.7	0.1	301	0.18	0.060	2

# CERTIFICATE OF ANALYSIS

VAN13004807.1

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
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	
L00+300W	Soil	24	0.26	3	0.449	2	0.99	0.014	0.01	<0.1	0.09	4.1	<0.1	<0.05	13	1.0	<0.2
L00+325W	Soil	67	0.26	6	0.493	3	3.32	0.011	0.02	<0.1	0.23	4.2	<0.1	<0.05	21	1.0	<0.2
L00+350W	Soil	57	0.20	6	0.605	<1	1.57	0.008	0.01	<0.1	0.08	2.9	<0.1	<0.05	26	<0.5	<0.2
L00+375W	Soil	51	0.64	7	0.413	2	2.90	0.011	0.02	<0.1	0.12	6.2	<0.1	<0.05	15	1.5	<0.2
L00+400W	Soil	46	0.34	6	0.409	2	2.43	0.008	0.01	<0.1	0.17	5.9	<0.1	<0.05	16	0.8	<0.2
L00+425W	Soil	57	0.36	5	0.571	<1	1.83	0.013	0.02	<0.1	0.09	5.6	<0.1	<0.05	17	1.8	<0.2
L00+450W	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L00+475W	Soil	62	0.69	6	0.482	<1	2.58	0.017	0.01	<0.1	0.13	6.0	<0.1	<0.05	12	0.8	0.2
L00+500W	Soil	23	0.06	4	0.396	2	0.70	0.007	0.01	<0.1	0.03	1.4	<0.1	<0.05	11	<0.5	<0.2
L00+525W	Soil	30	0.10	4	0.342	<1	0.61	0.008	0.01	<0.1	0.06	1.9	<0.1	<0.05	12	<0.5	<0.2
L00+550W	Soil	36	0.11	5	0.540	2	0.84	0.007	0.02	<0.1	0.03	2.0	<0.1	<0.05	26	<0.5	<0.2
L00+575W	Soil	23	0.12	3	0.338	2	0.77	0.024	0.02	<0.1	0.03	1.9	<0.1	<0.05	11	1.8	<0.2
L00+600W	Soil	33	0.06	2	0.458	<1	0.48	0.008	<0.01	<0.1	<0.01	1.6	<0.1	<0.05	17	<0.5	<0.2
L100S+25W	Soil	38	0.43	7	0.417	2	2.90	0.009	0.02	<0.1	0.12	3.9	<0.1	<0.05	18	1.0	<0.2
L100S+50W	Soil	32	0.12	3	0.436	2	1.36	0.007	0.01	<0.1	0.07	2.4	<0.1	<0.05	20	<0.5	<0.2
L100S+75W	Soil	43	0.25	5	0.384	3	2.87	0.009	0.02	<0.1	0.16	3.6	<0.1	<0.05	17	2.3	<0.2
L100S+100W	Soil	97	0.32	6	0.420	5	3.51	0.007	0.01	<0.1	0.11	6.1	<0.1	<0.05	22	1.8	<0.2
L100S+125W	Soil	42	0.26	19	0.485	2	2.90	0.008	0.02	<0.1	0.09	3.3	<0.1	<0.05	25	<0.5	<0.2
L100S+150W	Soil	20	0.12	5	0.428	2	0.72	0.012	0.01	<0.1	0.08	2.2	<0.1	<0.05	13	0.6	<0.2
L100S+175W	Soil	30	0.12	11	0.383	3	1.97	0.011	0.01	<0.1	0.12	3.6	<0.1	<0.05	16	<0.5	<0.2
L100S+200W	Soil	36	0.11	5	0.467	4	1.73	0.008	0.01	<0.1	0.10	2.5	<0.1	<0.05	22	1.0	<0.2
L100S+225W	Soil	25	0.11	5	0.449	2	1.44	0.008	0.01	<0.1	0.09	2.9	<0.1	<0.05	19	<0.5	<0.2
L100S+250W	Soil	23	0.16	7	0.377	2	1.01	0.012	0.03	<0.1	0.12	2.7	<0.1	<0.05	15	<0.5	<0.2
L100S+275W	Soil	91	0.76	10	0.425	4	5.37	0.011	0.02	<0.1	0.24	15.2	<0.1	<0.05	13	2.0	<0.2
L100S+300W	Soil	48	0.25	6	0.513	3	1.71	0.020	0.01	<0.1	0.16	3.5	<0.1	<0.05	19	<0.5	<0.2
L100S+325W	Soil	52	0.35	5	0.467	4	2.31	0.012	0.01	<0.1	0.15	5.2	<0.1	<0.05	15	0.7	<0.2
L100S+350W	Soil	65	0.28	5	0.510	3	2.57	0.011	0.02	<0.1	0.22	5.5	<0.1	<0.05	20	2.2	<0.2
L100S+375W	Soil	48	0.19	5	0.547	2	1.92	0.009	0.01	<0.1	0.14	3.9	<0.1	<0.05	22	<0.5	<0.2
L100S+400W	Soil	64	0.34	5	0.435	2	2.22	0.009	0.01	<0.1	0.16	5.1	<0.1	<0.05	15	1.7	<0.2
L100S+425W	Soil	99	0.46	7	0.588	2	3.03	0.010	0.01	<0.1	0.15	8.0	<0.1	<0.05	19	1.1	<0.2



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Project: FANDORA  
 Report Date: December 03, 2013

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# CERTIFICATE OF ANALYSIS

VAN13004807.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L100S+450W	Soil		0.5	71.9	5.7	27	<0.1	17.2	9.3	269	6.74	6.1	7.6	0.6	24	0.2	0.3	0.2	230	0.26	0.043	3	
L100S+475W	Soil		0.3	25.4	5.8	17	0.3	11.9	6.9	129	4.94	2.8	7.0	0.4	24	<0.1	0.4	0.1	193	0.26	0.040	2	
L100S+500W	Soil		0.4	16.5	6.3	7	0.2	6.3	4.3	71	4.30	1.1	2.9	0.5	18	<0.1	0.3	0.1	198	0.17	0.021	2	
L100S+525W	Soil		0.5	26.5	6.1	12	0.1	9.8	6.9	197	6.18	2.2	3.3	0.4	27	<0.1	1.1	0.3	311	0.18	0.033	2	
L100S+550W	Soil		0.4	72.6	7.0	31	0.3	20.5	8.5	215	4.88	7.6	8.5	0.5	34	<0.1	0.4	0.2	116	0.27	0.052	3	
L100S+575W	Soil		0.6	16.0	6.4	20	<0.1	14.0	4.8	120	2.34	1.7	1.2	0.4	34	<0.1	0.3	0.2	174	0.28	0.022	2	
L100S+600W	Soil		0.6	16.4	7.2	10	0.2	6.1	4.7	81	4.24	2.2	6.6	0.6	14	0.1	0.4	0.2	177	0.17	0.027	3	
L200S+25W	Soil		0.4	51.6	5.4	11	<0.1	5.0	3.9	69	7.16	4.0	6.4	0.4	14	<0.1	1.6	0.1	314	0.17	0.037	2	
L200S+50W	Soil		0.6	26.9	6.2	9	0.1	6.5	5.1	80	4.83	0.9	6.1	0.3	15	<0.1	0.9	0.1	309	0.21	0.028	2	
L200S+75W	Soil		0.7	79.4	7.4	9	<0.1	5.4	4.1	63	10.85	3.7	6.8	0.4	12	<0.1	2.6	0.2	475	0.17	0.045	1	
L200S+100W	Soil		0.6	60.5	5.5	10	0.1	5.7	4.1	54	10.34	3.8	8.3	0.4	12	<0.1	3.7	0.1	411	0.15	0.036	3	
L200S+125W	Soil		0.3	18.5	5.4	7	<0.1	5.0	4.3	78	4.17	2.0	24.6	0.4	20	<0.1	5.8	<0.1	292	0.22	0.017	2	
L200S+150W	Soil		0.4	49.4	7.6	17	<0.1	10.4	5.4	89	8.73	4.5	4.1	0.6	28	<0.1	5.3	0.2	317	0.24	0.072	2	
L200S+175W	Soil		0.3	25.1	5.5	6	<0.1	4.8	8.4	73	5.71	9.6	16.7	0.3	8	<0.1	5.4	<0.1	355	0.11	0.029	3	
L200S+200W	Soil		0.2	29.5	5.0	11	0.1	6.8	7.2	104	3.83	4.6	41.4	0.3	9	<0.1	1.1	<0.1	253	0.18	0.023	2	
L200S+225W	Soil		0.3	25.1	11.7	12	0.2	7.3	4.2	154	1.65	1.8	92.9	0.2	22	<0.1	0.5	0.1	103	0.29	0.034	2	
L200S+250W	Soil		0.4	27.6	5.2	12	0.2	9.0	7.0	87	4.02	2.3	7.0	0.3	24	<0.1	0.3	<0.1	244	0.35	0.028	1	
L200S+275W	Soil		0.6	78.1	5.7	21	0.3	12.6	4.9	92	9.91	32.3	64.9	0.6	15	<0.1	1.0	0.1	317	0.17	0.058	2	
L200S+300W	Soil		0.5	50.0	4.9	13	0.1	7.6	4.1	71	10.70	12.5	5.8	0.5	16	<0.1	1.2	0.2	328	0.17	0.055	2	
L200S+325W	Soil		0.2	35.0	5.9	9	0.1	9.9	5.7	112	7.07	5.9	21.6	0.4	13	<0.1	1.3	0.1	350	0.17	0.049	1	
L200S+350W	Soil		0.4	5.9	9.5	5	<0.1	2.5	1.1	44	1.21	19.3	57.9	0.3	34	<0.1	0.6	0.3	179	0.25	0.018	2	
L200S+375W	Soil		0.6	88.5	4.0	36	0.3	15.7	7.8	300	8.50	32.1	144.6	1.8	18	0.4	0.8	0.2	195	0.19	0.081	2	
L200S+400W	Soil		0.5	50.0	4.2	16	0.2	8.3	6.2	196	8.62	20.0	11.1	0.5	21	<0.1	0.6	0.2	281	0.21	0.087	2	
L200S+425W	Soil		0.3	43.5	4.4	18	0.3	9.1	5.5	279	9.16	5.0	4.5	0.9	19	0.1	0.4	0.1	236	0.21	0.078	2	
L200S+450W	Soil		0.5	37.8	4.3	18	0.3	9.7	6.4	161	11.70	5.3	47.8	0.8	16	<0.1	0.5	0.1	260	0.17	0.069	2	
L200S+475W	Soil		0.5	7.5	9.6	13	<0.1	4.1	2.3	79	3.05	<0.5	45.8	0.4	17	<0.1	0.3	0.2	220	0.27	0.028	2	
L200S+500W	Soil		0.6	28.0	4.0	25	0.1	15.9	6.9	179	4.17	3.4	10.4	0.5	37	<0.1	0.3	0.3	197	0.34	0.026	2	
L200S+525W	Soil		0.4	51.0	4.1	24	0.2	17.0	15.9	1221	7.01	2.8	2.0	0.6	28	<0.1	0.4	0.2	202	0.28	0.066	2	
L200S+550W	Soil		0.1	57.7	5.9	59	0.1	66.8	21.8	551	5.41	5.0	2.4	0.3	51	0.1	1.1	<0.1	125	0.33	0.047	3	
L200S+575W	Soil		0.4	12.9	6.1	6	0.2	6.7	4.7	73	3.76	0.7	8.3	0.4	15	<0.1	0.8	0.2	293	0.20	0.024	2	

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

# CERTIFICATE OF ANALYSIS

VAN13004807.1

Method	Analyte	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	
L100S+450W	Soil	49	0.54	6	0.431	3	2.33	0.015	0.02	<0.1	0.13	4.2	<0.1	<0.05	15	0.9	<0.2
L100S+475W	Soil	44	0.39	8	0.366	1	1.38	0.012	0.02	<0.1	0.10	3.6	<0.1	<0.05	12	0.6	<0.2
L100S+500W	Soil	32	0.12	6	0.380	<1	0.88	0.008	0.01	<0.1	0.07	1.7	<0.1	<0.05	10	<0.5	<0.2
L100S+525W	Soil	63	0.21	6	0.505	2	1.44	0.007	0.02	<0.1	0.05	4.6	<0.1	<0.05	18	0.7	<0.2
L100S+550W	Soil	38	0.64	31	0.208	2	2.63	0.012	0.04	<0.1	0.14	5.7	<0.1	<0.05	10	1.1	<0.2
L100S+575W	Soil	44	0.44	8	0.477	3	1.56	0.015	0.02	<0.1	0.07	4.0	<0.1	<0.05	19	<0.5	<0.2
L100S+600W	Soil	27	0.13	6	0.310	3	1.47	0.011	0.02	<0.1	0.11	2.5	<0.1	<0.05	10	<0.5	<0.2
L200S+25W	Soil	34	0.13	5	0.553	2	1.40	0.008	0.02	<0.1	0.07	2.7	<0.1	<0.05	20	1.0	<0.2
L200S+50W	Soil	22	0.11	4	0.470	<1	0.79	0.008	0.01	<0.1	0.08	1.8	<0.1	<0.05	14	<0.5	<0.2
L200S+75W	Soil	46	0.07	3	0.606	3	1.34	0.005	<0.01	<0.1	0.04	2.0	<0.1	<0.05	32	0.6	<0.2
L200S+100W	Soil	46	0.12	7	0.548	<1	1.54	0.006	<0.01	<0.1	0.05	2.7	<0.1	<0.05	26	<0.5	<0.2
L200S+125W	Soil	22	0.12	3	0.441	<1	0.81	0.007	<0.01	<0.1	0.03	2.3	<0.1	<0.05	14	<0.5	<0.2
L200S+150W	Soil	44	0.22	5	0.495	2	2.01	0.007	0.02	<0.1	0.10	2.8	<0.1	<0.05	19	<0.5	<0.2
L200S+175W	Soil	24	0.07	4	0.357	<1	0.79	0.014	<0.01	<0.1	0.04	2.3	<0.1	<0.05	23	<0.5	<0.2
L200S+200W	Soil	16	0.19	5	0.329	2	1.09	0.011	0.01	<0.1	0.04	3.0	<0.1	<0.05	12	<0.5	<0.2
L200S+225W	Soil	16	0.16	8	0.260	3	0.71	0.014	0.02	<0.1	0.12	2.7	<0.1	<0.05	5	<0.5	<0.2
L200S+250W	Soil	25	0.28	3	0.489	1	0.87	0.016	0.01	<0.1	0.06	3.3	<0.1	<0.05	10	<0.5	<0.2
L200S+275W	Soil	61	0.29	9	0.398	1	2.98	0.006	0.02	<0.1	0.15	5.4	<0.1	<0.05	24	1.1	<0.2
L200S+300W	Soil	69	0.12	5	0.494	1	1.89	0.005	0.01	<0.1	0.05	4.6	<0.1	<0.05	23	<0.5	<0.2
L200S+325W	Soil	41	0.17	3	0.529	<1	1.04	0.008	<0.01	<0.1	0.03	2.4	<0.1	<0.05	25	<0.5	<0.2
L200S+350W	Soil	13	0.07	4	0.341	4	0.90	0.007	0.01	<0.1	0.04	2.4	<0.1	<0.05	16	0.8	<0.2
L200S+375W	Soil	101	0.53	8	0.385	4	5.67	0.010	0.02	<0.1	0.23	9.9	<0.1	<0.05	14	5.5	<0.2
L200S+400W	Soil	41	0.24	6	0.458	2	1.87	0.012	0.02	<0.1	0.17	3.5	<0.1	<0.05	17	2.3	<0.2
L200S+425W	Soil	65	0.23	5	0.461	4	2.35	0.010	0.02	<0.1	0.26	3.6	<0.1	<0.05	16	2.4	<0.2
L200S+450W	Soil	93	0.29	6	0.461	4	2.58	0.010	0.02	<0.1	0.25	4.5	<0.1	<0.05	18	2.3	<0.2
L200S+475W	Soil	22	0.18	6	0.389	2	0.90	0.010	0.02	<0.1	0.11	1.9	<0.1	<0.05	14	0.5	<0.2
L200S+500W	Soil	50	0.58	4	0.490	5	1.86	0.016	0.02	<0.1	0.13	4.2	<0.1	<0.05	14	1.3	<0.2
L200S+525W	Soil	102	0.49	5	0.453	4	2.64	0.014	0.02	<0.1	0.22	6.2	<0.1	<0.05	13	2.8	<0.2
L200S+550W	Soil	112	2.02	19	0.188	5	2.95	0.010	0.02	<0.1	0.13	9.0	<0.1	<0.05	9	0.7	<0.2
L200S+575W	Soil	34	0.13	4	0.432	3	0.80	0.010	0.01	<0.1	0.07	1.6	<0.1	<0.05	13	<0.5	<0.2



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Project: FANDORA  
 Report Date: December 03, 2013

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# CERTIFICATE OF ANALYSIS

VAN13004807.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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		
			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		
L200S+600W	Soil		0.5	30.7	5.6	11	0.2	8.5	6.2	89	6.59	4.5	1.1	0.5	20	<0.1	0.4	0.1	216	0.22	0.046	2
L300S+25W	Soil		0.5	66.2	4.2	12	0.1	9.6	6.0	119	7.92	5.3	39.8	0.7	12	<0.1	1.1	0.1	287	0.16	0.043	3
L300S+50W	Soil		0.4	47.6	5.4	13	0.2	7.0	4.7	78	10.00	6.3	13.8	0.6	11	<0.1	1.3	0.1	351	0.13	0.053	2
L300S+75W	Soil		0.3	60.4	4.6	12	0.1	6.1	3.9	82	7.31	8.7	6.9	0.6	13	<0.1	0.6	<0.1	246	0.13	0.040	2
L300S+100W	Soil		0.4	47.6	5.5	12	0.1	6.0	4.2	126	6.90	10.9	7.8	0.4	14	<0.1	1.1	<0.1	305	0.17	0.048	2
L300S+125W	Soil		0.1	43.5	4.3	10	<0.1	6.7	3.3	88	1.92	2.2	3.0	0.2	18	<0.1	1.0	<0.1	186	0.22	0.021	2
L300S+150W	Soil		0.4	38.3	5.3	12	0.3	5.9	3.4	69	6.50	27.7	136.8	0.5	14	<0.1	0.9	0.1	264	0.16	0.044	2
L300S+175W	Soil		0.4	55.2	6.4	10	0.2	6.5	3.6	66	5.02	37.9	173.8	0.4	16	<0.1	1.2	<0.1	271	0.20	0.030	2
L300S+200W	Soil		0.3	45.1	7.1	10	0.5	4.1	3.4	62	1.74	6.3	8.1	<0.1	9	<0.1	0.5	0.2	56	0.09	0.076	3
L300S+225W	Soil		0.4	150.3	5.4	35	0.4	23.8	9.8	176	4.82	16.1	5.2	0.3	56	0.1	0.9	<0.1	196	0.37	0.054	2
L300S+250W	Soil		0.3	18.9	5.7	5	0.1	4.1	3.7	68	3.67	3.8	33.0	0.4	19	<0.1	1.3	<0.1	260	0.20	0.014	2
L300S+275W	Soil		0.3	29.0	6.4	7	0.2	4.8	2.6	73	2.29	3.4	14.2	0.3	36	0.1	1.3	<0.1	225	0.28	0.021	2
L300S+300W	Soil		0.2	19.4	11.6	7	0.3	2.2	2.7	33	1.86	14.0	8.6	0.6	8	<0.1	0.4	0.1	62	0.08	0.022	6
L300S+325W	Soil		0.4	11.9	10.7	9	0.3	6.8	5.0	86	2.22	2.8	15.8	0.4	23	<0.1	0.6	<0.1	192	0.31	0.010	2
L300S+350W	Soil		0.3	10.5	7.6	6	0.1	5.1	2.8	125	3.09	1.3	168.7	0.4	26	<0.1	0.4	0.1	254	0.29	0.014	2
L300S+375W	Soil		0.2	8.2	7.2	6	0.1	3.1	2.4	86	2.62	1.5	72.7	0.4	21	<0.1	0.4	0.1	252	0.27	0.009	2
L300S+400W	Soil		0.1	14.8	4.0	6	0.3	5.6	4.4	64	2.76	1.6	18.3	0.3	20	<0.1	0.3	<0.1	224	0.27	0.016	1
L300S+425W	Soil		0.2	45.2	6.8	16	0.6	13.3	7.6	288	4.70	7.6	236.0	0.2	28	0.1	0.9	<0.1	151	0.25	0.058	2
L300S+450W	Soil		0.3	28.0	6.9	13	0.2	6.6	4.8	118	6.07	10.8	27.1	0.4	16	<0.1	1.0	0.1	267	0.17	0.051	2
L300S+475W	Soil		0.4	40.4	4.4	19	<0.1	20.3	16.3	155	6.15	8.9	4.2	0.5	20	<0.1	0.6	<0.1	248	0.25	0.035	1
L300S+500W	Soil		0.6	27.4	5.1	18	0.2	9.9	11.9	769	10.47	1.9	2.6	0.5	24	<0.1	0.6	0.1	258	0.22	0.066	1
L300S+525W	Soil		0.3	21.0	3.7	11	<0.1	5.2	5.9	59	4.19	0.7	<0.5	0.2	20	<0.1	0.4	<0.1	203	0.25	0.029	<1
L300S+550W	Soil		0.3	29.0	6.0	9	0.1	7.7	6.7	67	5.20	1.3	<0.5	0.4	22	<0.1	0.6	0.2	266	0.25	0.031	2
L300S+575W	Soil		0.5	43.8	4.5	13	<0.1	13.6	13.1	108	5.86	0.9	<0.5	0.4	23	<0.1	0.4	0.1	217	0.25	0.041	2
L300S+600W	Soil		0.6	22.0	8.3	6	0.2	9.8	11.6	41	4.33	1.1	18.5	0.6	16	<0.1	0.5	0.2	343	0.13	0.025	3
L1100S+25W	Soil		0.8	13.8	8.7	10	<0.1	3.8	5.7	222	3.05	2.0	1.4	0.4	13	<0.1	0.3	0.2	96	0.07	0.031	3
L1100S+50W	Soil		0.8	11.3	9.3	14	<0.1	7.1	5.1	152	4.13	2.2	1.2	0.6	10	<0.1	0.3	0.3	108	0.09	0.018	2
L1100S+75W	Soil		0.8	129.9	6.0	33	<0.1	18.0	14.5	689	6.99	8.7	21.7	1.0	15	<0.1	1.1	0.1	233	0.14	0.048	2
L1100S+100W	Soil		1.1	61.6	5.7	30	0.2	13.7	19.2	793	5.92	6.6	6.3	0.5	13	0.2	0.8	0.1	181	0.13	0.058	4
L1100S+125W	Soil		0.9	57.6	7.9	37	0.2	20.7	33.6	1370	6.09	50.5	182.3	0.5	20	<0.1	1.1	0.1	187	0.20	0.052	4

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.

# CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
			1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L200S+600W	Soil		51	0.22	6	0.382	3	1.94	0.012	0.02	<0.1	0.22	3.3	<0.1	<0.05	15	2.5	<0.2
L300S+25W	Soil		56	0.29	5	0.498	3	3.55	0.008	0.01	<0.1	0.16	6.7	<0.1	<0.05	19	2.0	<0.2
L300S+50W	Soil		60	0.14	3	0.564	4	2.10	0.007	<0.01	<0.1	0.16	3.9	<0.1	<0.05	26	2.0	<0.2
L300S+75W	Soil		38	0.10	5	0.358	4	1.89	0.006	<0.01	<0.1	0.10	3.5	<0.1	<0.05	17	0.6	<0.2
L300S+100W	Soil		34	0.12	5	0.455	5	1.44	0.008	<0.01	<0.1	0.10	2.9	<0.1	<0.05	19	1.5	<0.2
L300S+125W	Soil		19	0.11	6	0.330	4	0.82	0.011	<0.01	<0.1	0.07	2.0	<0.1	<0.05	7	<0.5	<0.2
L300S+150W	Soil		40	0.08	5	0.283	3	1.75	0.007	0.01	<0.1	0.14	2.9	<0.1	<0.05	18	1.9	<0.2
L300S+175W	Soil		27	0.13	5	0.316	1	1.13	0.009	0.01	<0.1	0.07	2.5	<0.1	<0.05	14	0.7	<0.2
L300S+200W	Soil		9	0.09	6	0.072	3	2.16	0.006	0.03	<0.1	0.24	2.0	<0.1	<0.05	5	2.3	<0.2
L300S+225W	Soil		42	0.61	16	0.322	3	2.35	0.011	0.03	<0.1	0.16	5.4	<0.1	<0.05	10	0.6	<0.2
L300S+250W	Soil		18	0.07	4	0.336	1	0.81	0.006	<0.01	<0.1	0.04	1.6	<0.1	<0.05	14	0.8	<0.2
L300S+275W	Soil		12	0.12	3	0.333	3	0.74	0.009	0.02	<0.1	0.10	2.1	<0.1	<0.05	11	<0.5	<0.2
L300S+300W	Soil		8	0.07	8	0.052	3	1.53	0.008	0.02	<0.1	0.18	2.1	<0.1	<0.05	7	0.8	<0.2
L300S+325W	Soil		13	0.21	3	0.367	3	0.61	0.017	0.01	<0.1	0.09	3.1	<0.1	<0.05	6	0.9	<0.2
L300S+350W	Soil		17	0.13	4	0.347	2	0.82	0.015	0.01	<0.1	0.05	2.3	<0.1	<0.05	13	<0.5	<0.2
L300S+375W	Soil		13	0.08	2	0.280	4	0.51	0.009	0.02	<0.1	0.04	1.4	<0.1	<0.05	10	<0.5	<0.2
L300S+400W	Soil		16	0.14	2	0.397	4	0.54	0.012	<0.01	<0.1	0.05	1.7	<0.1	<0.05	9	<0.5	<0.2
L300S+425W	Soil		28	0.31	8	0.292	3	1.72	0.013	0.03	<0.1	0.20	4.3	<0.1	<0.05	10	0.5	<0.2
L300S+450W	Soil		38	0.15	5	0.348	2	1.39	0.007	0.02	<0.1	0.09	3.5	<0.1	<0.05	17	1.5	<0.2
L300S+475W	Soil		89	0.35	4	0.354	2	2.35	0.010	<0.01	<0.1	0.12	8.2	<0.1	<0.05	16	<0.5	<0.2
L300S+500W	Soil		83	0.21	5	0.401	3	2.17	0.010	0.02	<0.1	0.20	3.0	<0.1	<0.05	23	1.0	<0.2
L300S+525W	Soil		38	0.16	4	0.380	3	0.73	0.014	0.01	<0.1	0.04	2.3	<0.1	<0.05	11	<0.5	<0.2
L300S+550W	Soil		47	0.17	8	0.473	1	1.05	0.011	0.02	<0.1	0.06	2.5	<0.1	<0.05	18	<0.5	<0.2
L300S+575W	Soil		54	0.29	4	0.349	4	1.71	0.010	0.02	<0.1	0.10	3.5	<0.1	<0.05	13	2.5	<0.2
L300S+600W	Soil		42	0.06	4	0.381	3	0.84	0.006	0.02	<0.1	0.06	1.7	<0.1	<0.05	19	<0.5	<0.2
L1100S+25W	Soil		16	0.13	17	0.093	4	1.73	0.005	0.03	<0.1	0.15	2.7	<0.1	<0.05	10	1.7	<0.2
L1100S+50W	Soil		38	0.22	24	0.120	1	1.81	0.006	0.02	<0.1	0.08	2.5	<0.1	<0.05	12	1.2	<0.2
L1100S+75W	Soil		80	0.75	8	0.475	3	4.79	0.008	0.02	0.1	0.40	15.0	<0.1	0.09	12	2.6	<0.2
L1100S+100W	Soil		53	0.58	12	0.273	3	4.04	0.008	0.02	<0.1	0.33	5.6	<0.1	<0.05	12	2.5	<0.2
L1100S+125W	Soil		53	0.84	14	0.256	3	2.50	0.009	0.02	0.2	0.21	7.0	<0.1	<0.05	11	1.7	<0.2



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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	2	0.01	0.001	1	
L1100S+150W	Soil		0.7	38.2	5.7	69	0.2	18.1	23.4	4545	4.58	9.8	89.9	0.4	35	0.3	1.3	0.1	157	0.76	0.078	4
L1100S+175W	Soil		0.3	53.6	5.7	29	0.1	17.0	10.3	472	5.32	11.5	53.6	0.5	19	0.2	1.0	<0.1	174	0.23	0.046	3
L1100S+200W	Soil		0.4	64.2	5.0	30	0.2	17.8	10.1	316	5.70	9.1	8.4	0.7	19	<0.1	1.0	0.1	163	0.17	0.038	2
L1100S+225W	Soil		1.8	69.6	7.8	41	0.1	18.7	16.1	442	6.02	26.6	16.1	0.7	20	<0.1	1.4	0.1	238	0.22	0.046	3
L1100S+250W	Soil		2.5	52.7	9.4	26	<0.1	7.9	5.6	357	5.75	48.7	9.1	1.7	15	0.1	1.4	0.2	176	0.13	0.035	4
L1100S+275W	Soil		1.3	60.9	5.8	35	0.1	12.4	7.8	259	5.50	23.6	73.4	2.6	16	<0.1	1.3	0.1	154	0.12	0.040	4
L1100S+300W	Soil		1.5	37.2	10.6	32	0.1	15.1	12.5	737	4.29	8.3	37.8	0.7	24	<0.1	0.8	0.2	122	0.26	0.038	4
L1100S+325W	Soil		0.9	74.3	6.3	26	0.2	15.5	8.9	216	7.70	10.3	3.6	0.7	22	0.1	1.5	0.1	255	0.17	0.045	3
L1100S+350W	Soil		0.9	137.1	7.5	89	<0.1	45.0	38.8	902	5.97	29.7	86.1	0.9	31	<0.1	1.2	0.1	206	0.34	0.028	5
L1100S+375W	Soil		1.6	61.0	4.9	25	<0.1	14.1	8.9	155	8.99	20.9	2.8	0.7	20	<0.1	1.8	0.2	317	0.17	0.023	2
L1100S+400W	Soil		1.6	131.7	6.6	65	0.1	25.5	18.2	250	4.30	56.7	4.6	0.4	35	0.3	1.1	<0.1	181	1.11	0.030	3
L1100S+425W	Soil		0.6	98.4	4.5	33	0.1	17.5	16.4	437	6.34	15.2	4.3	0.5	37	<0.1	1.3	<0.1	271	0.38	0.034	3
L1100S+450W	Soil		0.2	31.5	5.5	17	0.2	11.3	6.6	172	3.50	1.0	13.2	0.3	50	<0.1	1.1	0.1	164	0.42	0.026	3
L1100S+475W	Soil		0.3	44.9	4.4	14	0.1	7.0	5.9	152	4.63	2.3	30.6	0.4	35	<0.1	0.9	0.1	255	0.33	0.024	2
L1100S+500W	Soil		0.4	90.9	5.3	16	0.1	8.8	6.2	163	6.87	5.8	34.4	0.4	34	<0.1	0.8	0.1	288	0.36	0.034	2
L1100S+525W	Soil		0.7	159.1	7.3	31	0.3	15.6	16.4	336	6.17	14.4	237.5	0.5	34	<0.1	0.7	0.1	214	0.33	0.048	2
L1100S+550W	Soil		0.4	23.7	8.7	14	0.2	7.1	5.9	107	2.38	5.8	13.4	0.2	22	<0.1	0.6	0.1	192	0.31	0.023	1
L1100S+575W	Soil		0.7	34.3	6.0	12	0.2	6.8	4.8	97	3.42	1.7	1.3	0.3	20	<0.1	0.4	<0.1	212	0.28	0.020	2
L1100S+600W	Soil		0.5	46.5	4.7	13	0.2	5.6	6.1	90	8.03	5.8	6.3	0.3	14	<0.1	0.9	<0.1	386	0.20	0.044	1
L1200S+25W	Soil		0.5	8.7	7.2	11	0.1	2.6	2.2	128	2.17	0.7	<0.5	<0.1	6	<0.1	<0.1	<0.1	52	0.06	0.044	3
L1200S+50W	Soil		0.5	25.9	5.3	22	<0.1	9.9	6.5	239	3.77	2.4	0.8	0.7	13	<0.1	0.2	<0.1	67	0.17	0.032	3
L1200S+75W	Soil		0.4	22.8	8.6	26	<0.1	10.5	9.5	551	3.47	2.2	0.7	0.4	19	0.2	0.2	<0.1	67	0.24	0.039	3
L1200S+100W	Soil		0.3	8.6	8.4	11	<0.1	2.5	3.6	124	1.56	1.1	1.5	0.1	13	<0.1	0.3	<0.1	59	0.20	0.031	2
L1200S+125W	Soil		0.6	19.8	4.6	15	<0.1	6.6	5.6	177	4.69	3.3	0.7	1.4	11	<0.1	0.3	<0.1	123	0.13	0.023	2
L1200S+150W	Soil		0.6	28.0	4.7	24	<0.1	8.4	6.2	248	5.49	3.8	3.1	2.5	13	<0.1	0.3	<0.1	140	0.17	0.019	3
L1200S+175W	Soil		0.6	14.1	5.0	11	<0.1	5.3	5.2	100	3.95	2.2	4.1	0.6	14	<0.1	0.3	0.1	155	0.17	0.017	2
L1200S+200W	Soil		0.6	64.3	5.1	44	0.1	25.4	17.7	585	5.16	14.1	23.5	0.4	27	0.1	0.9	<0.1	145	0.38	0.040	3
L1200S+225W	Soil		0.4	51.3	11.1	37	0.2	20.7	11.3	361	4.16	11.3	7.7	0.3	23	<0.1	0.7	0.1	130	0.25	0.057	2
L1200S+250W	Soil		0.6	61.6	4.6	20	0.3	10.8	6.5	180	5.90	8.9	9.8	1.5	14	0.1	0.8	<0.1	155	0.12	0.043	3
L1200S+275W	Soil		1.7	76.4	6.4	39	0.2	16.2	9.8	362	5.99	24.6	14.2	1.6	18	0.1	0.9	0.1	151	0.16	0.041	5

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.

# CERTIFICATE OF ANALYSIS

VAN13004807.1

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	
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	
L1100S+150W	Soil	45	0.62	30	0.223	4	2.60	0.009	0.03	<0.1	0.19	5.9	<0.1	<0.05	9	1.3	<0.2
L1100S+175W	Soil	49	0.72	8	0.283	2	2.38	0.010	0.02	0.1	0.21	4.9	<0.1	<0.05	10	0.6	<0.2
L1100S+200W	Soil	51	0.79	13	0.262	3	2.94	0.010	0.02	<0.1	0.24	5.7	<0.1	<0.05	10	1.0	<0.2
L1100S+225W	Soil	62	0.69	13	0.396	2	2.98	0.010	0.02	<0.1	0.19	6.0	<0.1	<0.05	13	<0.5	<0.2
L1100S+250W	Soil	57	0.30	10	0.200	2	2.95	0.008	0.02	0.1	0.19	3.8	<0.1	<0.05	12	1.9	<0.2
L1100S+275W	Soil	61	0.47	18	0.172	2	4.14	0.006	0.02	0.3	0.16	8.9	<0.1	<0.05	10	1.8	<0.2
L1100S+300W	Soil	34	0.77	30	0.115	4	2.26	0.009	0.03	0.2	0.11	4.4	<0.1	<0.05	10	<0.5	<0.2
L1100S+325W	Soil	64	0.57	10	0.357	2	2.76	0.007	0.02	<0.1	0.12	4.4	<0.1	<0.05	15	0.7	<0.2
L1100S+350W	Soil	68	1.74	25	0.308	4	4.92	0.008	0.03	0.8	0.16	12.9	<0.1	<0.05	11	<0.5	<0.2
L1100S+375W	Soil	74	0.51	8	0.503	2	3.54	0.008	0.01	<0.1	0.13	4.8	<0.1	<0.05	19	0.9	<0.2
L1100S+400W	Soil	63	0.48	12	0.293	6	4.15	0.012	0.01	<0.1	0.18	7.0	<0.1	<0.05	9	1.7	<0.2
L1100S+425W	Soil	45	0.69	11	0.427	2	2.58	0.013	0.01	<0.1	0.11	6.9	<0.1	<0.05	15	<0.5	<0.2
L1100S+450W	Soil	26	0.41	8	0.377	2	1.22	0.014	0.02	<0.1	0.10	3.2	<0.1	<0.05	9	<0.5	<0.2
L1100S+475W	Soil	23	0.24	5	0.416	1	1.13	0.008	0.01	<0.1	0.04	2.8	<0.1	<0.05	13	<0.5	<0.2
L1100S+500W	Soil	29	0.34	5	0.459	3	1.46	0.012	0.02	<0.1	0.10	2.9	<0.1	<0.05	15	<0.5	<0.2
L1100S+525W	Soil	48	0.53	4	0.416	3	2.20	0.013	0.03	<0.1	0.12	3.4	<0.1	<0.05	11	<0.5	<0.2
L1100S+550W	Soil	19	0.25	5	0.399	2	0.63	0.014	0.02	<0.1	0.09	2.2	<0.1	<0.05	6	<0.5	<0.2
L1100S+575W	Soil	19	0.23	5	0.400	2	0.75	0.014	0.02	<0.1	0.10	1.8	<0.1	<0.05	9	<0.5	<0.2
L1100S+600W	Soil	46	0.12	3	0.599	1	1.39	0.013	0.01	<0.1	0.08	2.3	<0.1	<0.05	23	<0.5	<0.2
L1200S+25W	Soil	17	0.15	11	0.046	4	1.97	0.011	0.03	<0.1	0.26	1.3	<0.1	<0.05	11	2.7	<0.2
L1200S+50W	Soil	30	0.49	16	0.149	3	3.32	0.013	0.02	<0.1	0.29	4.7	<0.1	<0.05	12	1.3	<0.2
L1200S+75W	Soil	24	0.56	35	0.131	5	2.33	0.016	0.03	<0.1	0.20	2.7	<0.1	<0.05	10	1.0	<0.2
L1200S+100W	Soil	8	0.10	19	0.067	4	0.78	0.008	0.04	<0.1	0.15	1.3	<0.1	<0.05	6	0.6	<0.2
L1200S+125W	Soil	35	0.34	13	0.188	2	2.83	0.010	0.02	<0.1	0.14	5.0	<0.1	<0.05	13	1.9	<0.2
L1200S+150W	Soil	58	0.51	12	0.288	2	3.47	0.011	0.02	<0.1	0.29	9.3	<0.1	<0.05	14	2.5	<0.2
L1200S+175W	Soil	23	0.21	9	0.260	2	1.35	0.010	0.02	<0.1	0.08	2.3	<0.1	<0.05	11	0.7	<0.2
L1200S+200W	Soil	58	1.18	16	0.199	2	2.60	0.011	0.02	0.1	0.12	6.5	<0.1	<0.05	10	0.6	<0.2
L1200S+225W	Soil	44	0.90	11	0.182	3	1.96	0.014	0.04	0.1	0.23	5.3	<0.1	<0.05	8	<0.5	<0.2
L1200S+250W	Soil	59	0.43	11	0.250	2	4.20	0.009	0.01	0.6	0.23	6.5	<0.1	<0.05	10	2.1	<0.2
L1200S+275W	Soil	47	0.62	21	0.186	3	4.12	0.010	0.02	0.4	0.22	7.6	<0.1	<0.05	11	1.8	<0.2



# CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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	
L1200S+300W	Soil	0.8	30.6	5.8	13	<0.1	6.6	6.2	131	5.22	8.1	1.5	0.5	12	<0.1	1.1	0.1	219	0.16	0.026	2
L1200S+325W	Soil	1.0	87.1	3.9	19	0.1	9.2	7.0	170	8.03	11.9	2.5	1.0	15	0.1	1.3	0.1	262	0.16	0.038	3
L1200S+350W	Soil	1.4	37.1	6.8	14	<0.1	8.9	6.7	145	4.54	6.7	5.8	0.4	19	0.1	1.6	0.2	231	0.24	0.027	2
L1200S+375W	Soil	1.6	93.4	8.6	42	0.1	15.2	15.0	555	4.83	9.7	5.5	0.5	21	<0.1	1.4	0.2	141	0.21	0.037	4
L1200S+400W	Soil	0.8	77.3	5.7	19	<0.1	8.2	6.3	147	6.31	14.0	7.6	0.7	16	<0.1	1.9	0.2	209	0.13	0.042	3
L1200S+425W	Soil	0.3	33.6	5.6	20	0.2	5.4	6.9	149	4.61	4.1	1.4	0.4	14	<0.1	1.3	0.1	196	0.17	0.020	3
L1200S+450W	Soil	1.8	264.9	5.7	92	0.6	53.7	97.6	524	5.06	49.5	1692.7	1.8	29	0.1	1.4	<0.1	123	0.30	0.036	7
L1200S+475W	Soil	0.7	70.8	4.2	38	0.1	5.7	9.0	183	3.15	30.7	22.4	0.8	12	<0.1	0.7	0.4	93	0.13	0.021	6
L1200S+500W	Soil	0.8	44.8	7.3	55	0.1	12.9	43.8	461	2.37	44.1	8.9	0.4	24	0.1	0.7	0.2	71	0.25	0.031	5
L1200S+525W	Soil	2.2	56.4	5.5	23	0.1	8.4	6.2	130	5.05	53.9	65.0	1.2	14	<0.1	0.9	0.2	143	0.11	0.033	5
L1200S+550W	Soil	0.8	73.6	4.2	23	0.1	17.6	9.0	191	6.06	17.6	17.4	0.7	30	<0.1	1.0	<0.1	197	0.27	0.030	2
L1200S+575W	Soil	0.3	37.7	7.7	14	0.1	8.1	5.2	114	5.19	9.6	14.2	0.6	22	0.1	1.3	0.1	194	0.24	0.034	1
L1200S+600W	Soil	0.2	66.8	4.3	29	0.1	20.8	11.9	273	5.94	9.6	14.9	0.4	34	<0.1	1.0	<0.1	191	0.32	0.043	2
L400S+575W	Soil	0.5	20.4	9.1	11	<0.1	5.4	5.1	72	2.09	2.1	102.5	0.3	18	<0.1	0.4	0.2	155	0.26	0.032	2
L400S+600W	Soil	0.5	140.9	5.2	26	0.2	16.0	8.2	135	12.40	22.9	467.1	0.5	20	<0.1	1.1	0.1	280	0.19	0.052	1
L1000S+25W	Soil	0.3	3.1	7.3	5	<0.1	1.6	1.0	29	0.23	0.8	3.6	<0.1	4	0.1	0.2	0.3	13	0.02	0.032	1
L1000S+50W	Soil	1.3	54.1	6.2	159	0.1	40.8	30.0	7490	2.67	10.3	18.0	0.2	28	0.3	0.8	<0.1	62	0.46	0.098	8
L1000S+75W	Soil	0.8	64.3	3.2	15	0.2	5.8	5.3	187	2.76	7.4	14.2	0.4	6	0.2	0.5	<0.1	55	0.07	0.065	5
L1000S+100W	Soil	0.6	41.0	4.0	32	0.2	18.5	10.7	380	6.66	12.7	43.7	0.7	18	<0.1	1.1	<0.1	173	0.16	0.045	3
L1000S+125W	Soil	1.2	61.0	5.1	64	<0.1	27.6	28.3	6529	4.87	12.8	37.4	0.2	38	0.4	1.9	<0.1	164	0.70	0.086	6
L1000S+150W	Soil	0.6	70.9	7.5	77	0.1	31.5	26.0	4435	4.12	15.6	44.6	0.3	30	0.1	1.2	<0.1	120	0.43	0.085	3
L1000S+175W	Soil	0.6	53.3	4.0	23	0.3	14.7	8.7	325	7.47	11.6	54.5	0.7	20	<0.1	1.2	<0.1	199	0.20	0.065	2
L1000S+200W	Soil	0.3	39.6	11.4	30	0.1	18.0	23.2	2710	2.97	4.4	6.4	<0.1	23	0.2	0.8	<0.1	84	0.28	0.059	2
L1000S+225W	Soil	1.0	44.4	3.4	24	0.2	12.9	26.4	422	3.27	12.9	15.8	0.5	26	<0.1	0.6	<0.1	93	0.26	0.046	4
L1000S+250W	Soil	0.5	81.8	4.2	24	0.3	17.3	9.7	294	7.80	7.5	24.8	0.4	36	<0.1	2.8	<0.1	261	0.23	0.050	2
L1000S+275W	Soil	0.5	145.0	7.3	43	0.2	26.2	15.8	959	5.80	10.2	10.5	1.2	22	<0.1	1.2	<0.1	165	0.21	0.091	4
L1000S+300W	Soil	0.5	117.1	6.9	57	0.2	41.9	22.5	688	7.15	44.5	34.5	0.6	36	<0.1	1.4	<0.1	219	0.27	0.048	3

# 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
		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	
L1200S+300W	Soil	21	0.21	8	0.337	2	1.18	0.010	0.01	<0.1	0.07	2.5	<0.1	<0.05	15	0.5	<0.2
L1200S+325W	Soil	41	0.31	7	0.397	2	3.41	0.011	0.01	<0.1	0.19	4.3	<0.1	<0.05	18	1.7	<0.2
L1200S+350W	Soil	20	0.26	10	0.299	3	1.13	0.008	0.02	<0.1	0.09	3.6	<0.1	<0.05	14	1.0	<0.2
L1200S+375W	Soil	25	0.62	26	0.096	3	2.51	0.010	0.03	<0.1	0.10	4.6	<0.1	<0.05	12	1.3	<0.2
L1200S+400W	Soil	23	0.36	15	0.145	2	2.29	0.008	0.03	<0.1	0.09	4.0	<0.1	<0.05	18	1.2	<0.2
L1200S+425W	Soil	16	0.33	11	0.146	2	1.67	0.010	0.02	<0.1	0.12	4.4	<0.1	<0.05	14	<0.5	<0.2
L1200S+450W	Soil	57	0.95	30	0.199	5	6.46	0.010	0.02	<0.1	0.20	12.3	<0.1	<0.05	10	3.5	<0.2
L1200S+475W	Soil	20	0.22	20	0.042	4	1.93	0.007	0.03	<0.1	0.06	2.9	<0.1	<0.05	9	<0.5	<0.2
L1200S+500W	Soil	24	0.34	18	0.120	3	2.19	0.011	0.03	0.1	0.12	3.4	<0.1	<0.05	5	1.0	<0.2
L1200S+525W	Soil	39	0.30	8	0.148	1	3.16	0.007	0.02	0.1	0.20	4.7	<0.1	<0.05	11	1.5	0.2
L1200S+550W	Soil	61	0.58	6	0.501	4	2.85	0.013	0.02	<0.1	0.21	7.0	<0.1	<0.05	12	3.1	<0.2
L1200S+575W	Soil	47	0.24	3	0.430	2	1.70	0.009	0.02	<0.1	0.13	2.9	<0.1	<0.05	12	1.1	<0.2
L1200S+600W	Soil	47	0.73	6	0.501	5	2.14	0.014	0.02	<0.1	0.13	5.4	<0.1	<0.05	11	1.5	<0.2
L400S+575W	Soil	14	0.09	6	0.247	4	0.77	0.007	0.02	<0.1	0.06	2.2	<0.1	<0.05	8	<0.5	<0.2
L400S+600W	Soil	117	0.43	10	0.472	2	3.31	0.008	0.01	<0.1	0.07	5.6	<0.1	<0.05	25	<0.5	<0.2
L1000S+25W	Soil	7	0.04	12	0.024	4	0.30	0.006	0.03	<0.1	0.16	0.3	<0.1	<0.05	2	0.7	<0.2
L1000S+50W	Soil	27	0.47	60	0.058	7	3.05	0.011	0.04	<0.1	0.16	5.5	0.2	<0.05	6	5.0	<0.2
L1000S+75W	Soil	30	0.20	11	0.065	2	4.13	0.005	0.02	0.1	0.37	5.9	<0.1	<0.05	5	5.1	<0.2
L1000S+100W	Soil	65	0.75	10	0.283	3	2.56	0.009	0.02	0.3	0.36	6.0	<0.1	<0.05	10	2.6	<0.2
L1000S+125W	Soil	58	0.78	43	0.186	5	3.02	0.009	0.02	0.1	0.21	9.1	<0.1	<0.05	10	1.8	<0.2
L1000S+150W	Soil	53	0.84	29	0.204	2	2.98	0.010	0.03	0.1	0.26	8.0	<0.1	<0.05	7	1.9	<0.2
L1000S+175W	Soil	64	0.48	11	0.411	6	2.61	0.010	0.02	<0.1	0.17	5.2	<0.1	<0.05	12	2.5	<0.2
L1000S+200W	Soil	32	0.76	27	0.142	3	1.74	0.009	0.03	<0.1	0.28	4.2	<0.1	<0.05	6	1.8	<0.2
L1000S+225W	Soil	43	0.42	15	0.147	2	2.55	0.009	0.02	0.1	0.17	6.6	<0.1	<0.05	6	1.6	<0.2
L1000S+250W	Soil	64	0.77	8	0.536	1	2.16	0.009	0.01	<0.1	0.15	5.7	<0.1	<0.05	13	1.2	<0.2
L1000S+275W	Soil	75	0.91	10	0.309	3	4.14	0.008	0.02	0.1	0.33	12.6	<0.1	<0.05	10	3.5	<0.2
L1000S+300W	Soil	92	1.94	14	0.417	3	4.00	0.006	0.02	0.1	0.17	13.0	<0.1	<0.05	12	<0.5	<0.2



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Project: FANDORA  
 Report Date: December 03, 2013

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Part: 1 of 2

# QUALITY CONTROL REPORT

VAN13004807.1

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																					
BL50	Soil	0.6	51.1	5.0	13	0.1	6.4	5.1	84	7.57	3.3	27.1	0.5	10	<0.1	1.3	0.2	292	0.13	0.027	2
REP BL50	QC	0.5	48.9	4.8	15	0.1	6.1	5.4	85	7.44	2.9	14.6	0.6	11	<0.1	1.3	0.2	286	0.13	0.026	2
BL1000	Soil	0.1	4.4	4.3	4	<0.1	2.5	2.8	63	0.49	1.6	3.1	<0.1	4	<0.1	0.2	0.2	17	0.04	0.017	2
REP BL1000	QC	0.2	4.1	4.2	3	<0.1	2.4	2.6	63	0.50	1.6	1.2	<0.1	4	<0.1	0.2	0.2	18	0.04	0.017	2
L100S+150W	Soil	0.3	43.2	5.3	8	0.2	6.2	4.5	72	3.99	1.5	3.2	0.3	10	<0.1	0.8	0.1	276	0.21	0.022	2
REP L100S+150W	QC	0.3	40.7	5.4	7	0.2	6.0	4.4	73	3.82	1.6	6.0	0.3	10	<0.1	0.7	0.1	270	0.20	0.025	2
L200S+425W	Soil	0.3	43.5	4.4	18	0.3	9.1	5.5	279	9.16	5.0	4.5	0.9	19	0.1	0.4	0.1	236	0.21	0.078	2
REP L200S+425W	QC	0.5	42.4	4.6	17	0.4	9.2	5.0	280	9.05	5.2	5.3	0.8	19	0.2	0.4	0.2	230	0.19	0.079	2
L1100S+150W	Soil	0.7	38.2	5.7	69	0.2	18.1	23.4	4545	4.58	9.8	89.9	0.4	35	0.3	1.3	0.1	157	0.76	0.078	4
REP L1100S+150W	QC	0.7	37.1	5.3	69	0.1	17.2	22.8	4570	4.57	9.5	25.2	0.4	36	0.2	1.2	0.1	147	0.72	0.079	4
L1200S+400W	Soil	0.8	77.3	5.7	19	<0.1	8.2	6.3	147	6.31	14.0	7.6	0.7	16	<0.1	1.9	0.2	209	0.13	0.042	3
REP L1200S+400W	QC	1.0	77.6	5.8	22	0.1	7.8	6.2	151	6.30	14.5	3.5	0.6	17	<0.1	1.7	0.2	210	0.14	0.041	3
Reference Materials																					
STD DS10	Standard	13.2	137.0	144.9	329	2.0	70.8	11.7	846	2.62	44.2	84.6	7.2	65	2.7	9.3	11.4	40	1.01	0.073	17
STD DS10	Standard	13.9	132.7	141.3	335	1.9	65.9	10.9	812	2.43	42.2	81.7	7.2	64	1.9	8.9	11.5	37	0.95	0.068	17
STD DS10	Standard	13.9	145.9	141.2	315	1.9	66.3	10.7	773	2.67	42.9	77.5	7.3	66	2.5	9.8	11.0	37	0.91	0.070	16
STD DS10	Standard	13.2	141.2	144.9	322	1.7	65.3	11.0	821	2.47	41.2	79.5	7.2	66	2.6	9.7	11.6	38	0.93	0.070	17
STD DS10	Standard	13.7	132.2	142.0	325	1.7	63.5	11.3	805	2.57	41.2	89.8	6.7	61	2.6	8.9	10.3	35	0.91	0.064	15
STD DS10	Standard	13.8	132.8	145.2	321	1.9	67.7	11.4	854	2.62	42.4	81.9	7.2	64	2.3	8.3	11.0	39	0.97	0.068	16
STD OXC109	Standard	1.2	31.3	10.2	39	<0.1	62.3	16.4	388	2.64	1.0	206.6	1.3	133	<0.1	<0.1	<0.1	42	0.62	0.096	12
STD OXC109	Standard	1.6	31.2	10.0	39	<0.1	65.2	17.2	392	2.67	<0.5	180.6	1.3	124	<0.1	<0.1	0.2	42	0.59	0.099	11
STD OXC109	Standard	1.5	30.6	9.6	36	<0.1	62.3	15.5	386	2.62	1.1	201.1	1.3	133	<0.1	<0.1	<0.1	42	0.62	0.095	11
STD OXC109	Standard	1.0	31.5	10.6	33	<0.1	56.2	17.5	374	2.56	0.9	219.0	1.4	132	<0.1	<0.1	<0.1	41	0.61	0.101	11
STD OXC109	Standard	1.2	30.2	10.0	34	<0.1	61.1	17.1	379	2.55	<0.5	210.8	1.3	135	<0.1	<0.1	<0.1	41	0.62	0.095	11
STD OXC109	Standard	1.2	30.2	10.1	36	<0.1	62.8	17.3	378	2.64	0.7	195.1	1.3	137	<0.1	<0.1	<0.1	43	0.67	0.097	11
STD DS10 Expected		14.69	154.61	150.55	352.9	1.96	74.6	12.9	861	2.7188	43.7	91.9	7.5	67.1	2.48	9.51	11.65	43	1.0355	0.073	17.5
STD OXC109 Expected		201																			
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

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.

# QUALITY CONTROL REPORT

VAN13004807.1

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																	
BL50	Soil	44	0.21	4	0.403	3	2.03	0.007	0.01	<0.1	0.14	3.2	<0.1	0.05	19	1.0	<0.2
REP BL50	QC	44	0.20	4	0.406	3	2.04	0.006	0.01	<0.1	0.11	3.4	<0.1	<0.05	18	1.2	<0.2
BL1000	Soil	5	0.03	11	0.017	6	0.59	0.007	0.03	<0.1	0.08	0.5	<0.1	<0.05	5	<0.5	<0.2
REP BL1000	QC	4	0.03	11	0.019	4	0.58	0.007	0.03	<0.1	0.05	0.6	<0.1	<0.05	5	<0.5	<0.2
L100S+150W	Soil	20	0.12	5	0.428	2	0.72	0.012	0.01	<0.1	0.08	2.2	<0.1	<0.05	13	0.6	<0.2
REP L100S+150W	QC	19	0.13	5	0.427	3	0.75	0.012	0.01	<0.1	0.06	2.0	<0.1	<0.05	13	<0.5	<0.2
L200S+425W	Soil	65	0.23	5	0.461	4	2.35	0.010	0.02	<0.1	0.26	3.6	<0.1	<0.05	16	2.4	<0.2
REP L200S+425W	QC	64	0.24	5	0.442	3	2.44	0.010	0.02	<0.1	0.30	3.3	<0.1	<0.05	17	1.4	<0.2
L1100S+150W	Soil	45	0.62	30	0.223	4	2.60	0.009	0.03	<0.1	0.19	5.9	<0.1	<0.05	9	1.3	<0.2
REP L1100S+150W	QC	46	0.60	30	0.218	3	2.53	0.009	0.03	<0.1	0.16	5.7	<0.1	<0.05	9	0.9	<0.2
L1200S+400W	Soil	23	0.36	15	0.145	2	2.29	0.008	0.03	<0.1	0.09	4.0	<0.1	<0.05	18	1.2	<0.2
REP L1200S+400W	QC	23	0.36	15	0.146	3	2.23	0.007	0.03	<0.1	0.06	4.0	<0.1	<0.05	17	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	49	0.74	354	0.074	7	0.99	0.056	0.33	3.3	0.29	3.0	4.6	0.15	4	1.5	4.5
STD DS10	Standard	49	0.71	346	0.070	7	0.97	0.063	0.29	3.2	0.25	2.8	5.0	0.26	4	2.3	4.4
STD DS10	Standard	48	0.70	339	0.069	8	0.96	0.055	0.31	3.1	0.30	2.4	4.7	0.17	4	2.6	4.5
STD DS10	Standard	49	0.70	366	0.068	6	0.98	0.054	0.31	3.0	0.27	2.8	4.8	0.07	4	3.3	5.5
STD DS10	Standard	48	0.69	320	0.066	7	0.91	0.055	0.31	3.4	0.25	2.5	4.6	0.21	4	0.5	4.4
STD DS10	Standard	51	0.73	315	0.075	7	1.00	0.060	0.30	3.2	0.27	2.8	4.5	0.24	4	1.0	4.8
STD OXC109	Standard	51	1.26	54	0.328	<1	1.31	0.628	0.39	0.2	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	52	1.28	53	0.344	2	1.32	0.636	0.37	0.1	<0.01	0.7	<0.1	<0.05	5	0.6	<0.2
STD OXC109	Standard	51	1.30	53	0.328	3	1.34	0.623	0.39	0.2	<0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	49	1.26	51	0.303	2	1.29	0.613	0.39	0.2	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	49	1.26	53	0.317	3	1.32	0.603	0.39	0.2	<0.01	0.9	<0.1	<0.05	4	0.7	<0.2
STD OXC109	Standard	51	1.33	49	0.332	1	1.43	0.608	0.38	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		54.6	0.7651	349	0.0817		1.0259	0.0638	0.3245	3.34	0.289	2.8	4.79	0.2743	4.3	2.3	4.89
STD OXC109 Expected																	
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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**Client:** Selkirk Metals Corp.  
 200 - 580 Hornby Street  
 Vancouver BC V6C 3B6 Canada

**Project:** FANDORA  
**Report Date:** December 03, 2013

Page: 2 of 2

Part: 1 of 2

# QUALITY CONTROL REPORT

VAN13004807.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.1	<1	0.01	0.8	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

## QUALITY CONTROL REPORT

VAN13004807.1

		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
		ppm	%	ppm	%	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	0.1	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	1.1	<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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Client: **Selkirk Metals Corp.**  
200 - 580 Hornby Street  
Vancouver BC V6C 3B6 Canada

Submitted By: Email Distribution List  
Receiving Lab: Canada-Vancouver  
Received: November 13, 2013  
Report Date: December 04, 2013  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN13004808.1

### CLIENT JOB INFORMATION

Project: FANDORA  
Shipment ID: FAN2013-1113  
P.O. Number  
Number of Samples: 3

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	3	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	3	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

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



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



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 Vancouver BC V6C 3B6 Canada

Project: FANDORA  
 Report Date: December 04, 2013

Page: 2 of 2

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN13004808.1

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	
781001	Rock	1.14	0.3	4.3	2.9	57	<0.1	45.6	13.5	491	2.94	4.7	4.4	0.5	2	<0.1	0.1	0.2	32	0.10	0.020
781002	Rock	2.53	0.2	13.8	3.3	17	<0.1	2.8	3.1	310	0.86	2.1	2.3	0.6	2	<0.1	0.2	0.1	6	0.04	0.008
781003	Rock	1.33	0.8	1223.1	5.9	70	2.0	97.5	21.7	652	3.77	6.9	10.9	0.7	1	0.4	0.2	0.4	45	0.08	0.009





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Vancouver BC V6C 3B6 Canada

**Project:** FANDORA  
**Report Date:** December 04, 2013

**Page:** 2 of 2

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

VAN13004808.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
781001	Rock	<1	78	1.36	34	0.061	3	1.70	0.013	0.10	0.1	0.03	3.2	<0.1	0.10	4	0.8	<0.2
781002	Rock	1	5	0.20	16	0.030	9	0.38	0.020	0.05	<0.1	0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
781003	Rock	<1	150	1.54	33	0.075	3	1.97	0.005	0.11	<0.1	0.06	6.1	<0.1	0.25	5	2.0	<0.2

## QUALITY CONTROL REPORT

VAN13004808.1

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	
Pulp Duplicates																					
781003	Rock	1.33	0.8	1223.1	5.9	70	2.0	97.5	21.7	652	3.77	6.9	10.9	0.7	1	0.4	0.2	0.4	45	0.08	0.009
REP 781003	QC		0.7	1218.9	5.9	69	2.0	97.3	21.3	654	3.76	6.9	8.9	0.7	1	0.5	0.2	0.3	45	0.08	0.009
Reference Materials																					
STD DS10	Standard		15.8	156.6	158.1	358	2.2	77.9	13.3	870	2.77	46.0	96.0	7.7	69	2.5	9.0	12.1	42	1.07	0.074
STD OXC109	Standard		1.5	35.9	11.4	40	<0.1	73.4	19.2	407	2.86	0.7	221.9	1.4	134	<0.1	<0.1	<0.1	46	0.64	0.104
STD DS10 Expected			14.69	154.61	150.55	352.9	1.96	74.6	12.9	861	2.7188	43.7	91.9	7.5	67.1	2.48	9.51	11.65	43	1.0355	0.073
STD OXC109 Expected												201									
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
Prep Wash																					
G1	Prep Blank		0.1	4.1	5.5	51	<0.1	2.5	3.6	558	1.93	<0.5	1.9	5.1	63	<0.1	0.1	<0.1	35	0.48	0.064

## QUALITY CONTROL REPORT

VAN13004808.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
781003	Rock	<1	150	1.54	33	0.075	3	1.97	0.005	0.11	<0.1	0.06	6.1	<0.1	0.25	5	2.0	<0.2
REP 781003	QC	<1	147	1.53	36	0.077	5	1.99	0.005	0.12	<0.1	0.05	5.9	<0.1	0.25	5	2.2	<0.2
Reference Materials																		
STD DS10	Standard	19	56	0.77	372	0.081	8	1.06	0.069	0.34	3.4	0.33	2.9	5.3	0.28	4	2.8	5.2
STD OXC109	Standard	13	59	1.45	57	0.370	1	1.50	0.680	0.41	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		17.5	54.6	0.7651	349	0.0817		1.0259	0.0638	0.3245	3.34	0.289	2.8	4.79	0.2743	4.3	2.3	4.89
STD OXC109 Expected																		
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	12	7	0.47	170	0.110	2	0.96	0.113	0.49	<0.1	<0.01	2.1	0.4	<0.05	5	<0.5	<0.2



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PHONE (604) 253-3158

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

Submitted By: Email Distribution List  
Receiving Lab: Canada-Vancouver  
Received: November 27, 2013  
Report Date: December 14, 2013  
Page: 1 of 6

## CERTIFICATE OF ANALYSIS

VAN13005027.1

### CLIENT JOB INFORMATION

Project: FANDORA  
Shipment ID: FAN2013-1127  
P.O. Number  
Number of Samples: 143

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

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

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	141	Dry at 60C			VAN
SS80	141	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	140	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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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

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

Project: FANDORA  
 Report Date: December 14, 2013

Page: 2 of 6

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN13005027.1

Method Analyte	Unit	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
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001		
L400S + 25W	Soil	1.2	50.4	5.0	19	0.3	17.9	7.5	147	8.21	11.3	19.6	0.6	15	<0.1	0.9	0.1	269	0.21	0.029	2
L400S + 50W	Soil	0.4	27.7	5.7	15	0.2	8.8	4.9	100	5.29	6.5	8.5	0.4	16	<0.1	1.2	0.2	292	0.23	0.022	2
L400S + 75W	Soil	0.9	64.9	4.0	24	0.3	20.0	7.0	191	9.00	18.3	3.5	0.9	18	<0.1	1.0	<0.1	206	0.19	0.052	2
L400S + 100W	Soil	0.4	31.7	4.4	10	<0.1	4.4	4.0	71	5.09	7.9	33.6	0.4	9	<0.1	1.1	<0.1	298	0.14	0.020	2
L400S + 125W	Soil	0.4	148.5	3.2	35	0.2	21.7	10.3	290	5.84	25.3	26.8	0.9	18	<0.1	0.7	<0.1	134	0.20	0.081	3
L400S + 150W	Soil	0.8	73.2	6.8	20	0.2	8.8	6.2	115	9.36	17.7	153.1	0.5	16	<0.1	0.9	<0.1	348	0.21	0.037	2
L400S + 175W	Soil	0.6	99.9	13.4	28	1.0	9.7	5.5	91	8.77	112.3	6505.1	0.6	14	0.1	1.1	<0.1	331	0.17	0.040	2
L400S + 200W	Soil	0.4	41.4	6.1	13	0.1	5.8	5.4	74	4.41	17.7	265.9	0.3	21	<0.1	0.6	<0.1	329	0.27	0.017	1
L400S + 225W	Soil	0.7	84.8	7.3	10	0.1	9.1	4.3	45	2.05	18.7	33.5	0.6	12	<0.1	0.3	<0.1	58	0.18	0.053	3
L400S + 250W	Soil	0.5	75.4	8.7	19	0.3	8.0	5.4	114	2.24	2.9	7.7	0.2	18	<0.1	0.5	0.1	116	0.31	0.054	2
L400S + 275W	Soil	0.5	48.6	11.4	22	0.2	14.3	5.7	108	1.91	3.9	10.6	0.3	30	<0.1	0.5	<0.1	138	0.32	0.038	2
L400S + 300W	Soil	0.4	29.6	6.9	13	0.5	6.2	3.1	73	1.41	2.2	20.1	0.1	15	<0.1	0.3	<0.1	57	0.22	0.042	2
L400S + 325W	Soil	0.3	30.4	11.5	15	0.2	11.5	4.4	134	1.20	1.4	2.3	0.3	20	<0.1	0.7	<0.1	95	0.27	0.028	2
L400S + 350W	Soil	0.5	24.2	6.2	11	0.1	6.2	4.4	130	5.28	10.3	31.4	0.4	20	<0.1	2.3	<0.1	285	0.24	0.023	2
L400S + 375W	Soil	0.5	24.9	5.8	10	0.2	5.5	4.6	121	5.86	16.4	290.8	0.5	12	<0.1	2.6	0.1	270	0.12	0.028	3
L400S + 400W	Soil	0.5	24.8	7.3	14	0.4	7.4	5.5	105	4.06	10.3	897.6	0.4	27	<0.1	1.4	<0.1	282	0.27	0.019	2
L400S + 425W	Soil	1.3	55.9	7.7	21	0.8	17.2	13.3	222	4.83	14.4	70.7	0.2	21	0.1	0.7	<0.1	137	0.18	0.069	3
L400S + 450W	Soil	0.7	52.4	7.0	22	0.3	20.0	8.5	136	7.14	5.2	11.6	0.6	22	<0.1	0.6	0.1	221	0.21	0.054	2
L400S + 475W	Soil	0.8	83.5	3.5	31	0.2	14.8	9.2	173	7.02	10.5	14.5	0.7	18	0.2	0.5	<0.1	192	0.15	0.060	3
L400S + 500W	Soil	1.3	24.2	4.6	14	0.1	12.7	6.2	75	3.75	2.7	0.5	0.4	12	<0.1	0.3	<0.1	197	0.17	0.030	2
L400S + 525W	Soil	0.4	32.9	6.5	10	0.1	6.2	4.7	66	3.01	1.2	23.1	0.3	26	<0.1	0.4	0.1	248	0.29	0.020	2
L400S + 550W	Soil	0.3	30.3	3.7	15	0.1	9.7	9.4	122	3.53	1.1	1.2	0.4	20	<0.1	0.2	<0.1	219	0.23	0.020	2
L500S + 25W	Soil	0.5	202.1	5.0	49	0.3	31.7	20.8	385	7.85	72.7	576.0	1.0	23	<0.1	1.6	<0.1	233	0.22	0.064	5
L500S + 50W	Soil	0.4	77.0	5.9	29	0.2	22.2	11.7	490	6.13	114.2	119.2	0.4	27	<0.1	1.2	<0.1	162	0.28	0.052	2
L500S + 75W	Soil	0.2	277.5	4.7	60	0.2	44.8	23.2	492	4.77	70.3	159.3	0.5	33	0.1	1.3	<0.1	130	0.48	0.059	3
L500S + 100W	Soil	0.3	206.6	6.3	50	0.3	34.0	27.4	1070	4.77	73.1	179.2	0.3	31	0.2	1.1	<0.1	132	0.37	0.065	4
L500S + 125W	Soil	0.3	76.6	7.3	26	0.4	15.3	9.4	261	4.88	57.3	848.6	0.3	23	<0.1	1.3	<0.1	161	0.25	0.051	2
L500S + 150W	Soil	0.6	34.7	6.0	16	0.4	13.3	6.4	111	4.69	36.2	305.6	0.5	24	<0.1	1.6	<0.1	227	0.22	0.031	3
L500S + 175W	Soil	0.5	33.9	5.2	11	0.2	8.2	6.3	100	5.40	32.3	118.0	0.5	16	<0.1	1.9	<0.1	281	0.18	0.026	2
L500S + 200W	Soil	0.9	64.0	6.7	20	0.4	17.1	6.4	135	9.14	42.2	103.2	0.8	18	<0.1	1.7	<0.1	302	0.19	0.039	2

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

# CERTIFICATE OF ANALYSIS

VAN13005027.1

Method	Analyte	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	
L400S + 25W	Soil	64	0.36	6	0.575	2	1.70	0.013	0.01	<0.1	0.15	4.7	<0.1	<0.05	18	1.3	<0.2
L400S + 50W	Soil	38	0.20	4	0.572	2	0.99	0.011	0.01	<0.1	0.08	3.3	<0.1	<0.05	17	0.6	<0.2
L400S + 75W	Soil	76	0.39	8	0.490	<1	2.36	0.013	0.01	0.1	0.20	4.9	<0.1	<0.05	14	1.1	<0.2
L400S + 100W	Soil	26	0.09	3	0.396	2	0.86	0.007	<0.01	<0.1	0.03	2.2	<0.1	<0.05	17	<0.5	<0.2
L400S + 125W	Soil	61	0.58	9	0.303	1	5.06	0.011	0.02	<0.1	0.29	7.5	<0.1	<0.05	9	1.4	<0.2
L400S + 150W	Soil	48	0.17	4	0.602	1	1.66	0.008	0.01	<0.1	0.13	2.9	<0.1	<0.05	22	<0.5	<0.2
L400S + 175W	Soil	58	0.17	5	0.411	<1	2.09	0.007	0.01	<0.1	0.10	3.2	<0.1	<0.05	23	<0.5	<0.2
L400S + 200W	Soil	21	0.14	2	0.575	1	0.71	0.010	0.01	<0.1	0.05	1.8	<0.1	<0.05	13	<0.5	<0.2
L400S + 225W	Soil	34	0.07	8	0.109	<1	5.88	0.007	0.03	<0.1	0.56	7.3	<0.1	<0.05	3	2.2	<0.2
L400S + 250W	Soil	15	0.25	6	0.239	2	0.99	0.013	0.05	<0.1	0.16	3.1	<0.1	<0.05	7	<0.5	<0.2
L400S + 275W	Soil	22	0.34	6	0.272	3	0.95	0.018	0.04	<0.1	0.09	2.8	<0.1	<0.05	7	<0.5	<0.2
L400S + 300W	Soil	12	0.16	5	0.139	2	0.76	0.014	0.03	<0.1	0.15	1.8	<0.1	<0.05	4	1.3	<0.2
L400S + 325W	Soil	21	0.17	6	0.212	3	0.71	0.016	0.04	<0.1	0.09	2.1	<0.1	<0.05	5	<0.5	<0.2
L400S + 350W	Soil	34	0.15	5	0.365	1	1.00	0.009	0.02	<0.1	0.06	2.6	<0.1	<0.05	18	<0.5	<0.2
L400S + 375W	Soil	43	0.10	5	0.244	<1	1.27	0.006	0.01	<0.1	0.04	3.1	<0.1	<0.05	17	<0.5	<0.2
L400S + 400W	Soil	23	0.18	5	0.393	2	1.22	0.015	0.02	<0.1	0.05	2.9	<0.1	<0.05	14	0.7	<0.2
L400S + 425W	Soil	58	0.32	9	0.206	2	2.61	0.013	0.04	0.2	0.29	4.8	<0.1	<0.05	9	2.6	<0.2
L400S + 450W	Soil	86	0.40	8	0.379	<1	2.25	0.012	0.03	<0.1	0.13	4.3	<0.1	<0.05	15	1.0	<0.2
L400S + 475W	Soil	63	0.49	8	0.362	2	4.27	0.009	0.02	<0.1	0.21	6.0	<0.1	<0.05	13	2.2	<0.2
L400S + 500W	Soil	34	0.13	8	0.365	3	0.72	0.013	0.02	<0.1	0.04	2.0	<0.1	<0.05	12	<0.5	<0.2
L400S + 525W	Soil	28	0.07	4	0.415	<1	0.69	0.009	0.01	<0.1	0.05	2.1	<0.1	<0.05	13	<0.5	<0.2
L400S + 550W	Soil	32	0.22	13	0.286	1	0.96	0.012	0.01	<0.1	0.02	2.1	<0.1	<0.05	10	<0.5	<0.2
L500S + 25W	Soil	93	0.75	12	0.435	5	5.76	0.013	0.02	0.2	0.26	13.7	<0.1	<0.05	14	1.6	<0.2
L500S + 50W	Soil	63	0.62	13	0.275	2	2.19	0.018	0.02	0.3	0.13	4.8	<0.1	<0.05	10	1.3	<0.2
L500S + 75W	Soil	72	1.48	14	0.242	2	4.65	0.018	0.02	0.3	0.30	10.4	<0.1	<0.05	8	1.3	<0.2
L500S + 100W	Soil	64	1.02	13	0.217	3	3.15	0.016	0.02	0.2	0.32	7.0	<0.1	<0.05	8	1.5	<0.2
L500S + 125W	Soil	46	0.50	7	0.252	2	1.95	0.015	0.02	0.1	0.21	4.4	<0.1	<0.05	9	0.6	<0.2
L500S + 150W	Soil	48	0.23	9	0.354	1	1.27	0.012	0.01	<0.1	0.22	4.1	<0.1	<0.05	12	1.2	<0.2
L500S + 175W	Soil	37	0.18	7	0.397	2	1.28	0.011	0.01	<0.1	0.10	3.2	<0.1	<0.05	15	0.5	<0.2
L500S + 200W	Soil	77	0.29	9	0.426	2	2.61	0.011	0.01	<0.1	0.16	5.4	<0.1	<0.05	21	1.6	<0.2

# CERTIFICATE OF ANALYSIS

VAN13005027.1

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	
L500S + 225W	Soil	1.1	51.4	6.6	15	0.1	14.1	7.2	139	3.79	15.8	130.2	0.3	18	0.1	0.8	<0.1	171	0.26	0.029	3
L500S + 250W	Soil	0.7	54.3	6.2	14	<0.1	8.9	7.4	100	3.85	18.4	38.6	0.4	17	<0.1	0.5	<0.1	326	0.18	0.016	2
L500S + 275W	Soil	0.6	46.7	5.8	17	0.1	7.9	5.0	92	3.53	3.9	9.0	0.3	21	<0.1	0.3	<0.1	233	0.25	0.030	2
L500S + 575W	Soil	0.6	32.1	7.7	23	0.2	22.4	7.2	110	4.31	18.4	35.4	0.4	30	<0.1	0.7	<0.1	213	0.29	0.027	2
L500S + 600W	Soil	1.0	253.1	5.9	43	<0.1	30.2	15.9	287	8.38	11.3	151.0	1.2	41	<0.1	0.5	0.1	221	0.37	0.084	3
L600S + 25W	Soil	0.5	54.5	4.8	28	0.2	14.6	7.4	188	9.98	10.0	11.9	0.8	16	<0.1	0.7	0.1	299	0.20	0.051	3
L600S + 50W	Soil	1.4	64.9	3.7	21	0.3	13.4	5.7	141	8.62	9.7	6.8	0.7	11	0.2	0.5	0.1	249	0.16	0.074	3
L600S + 75W	Soil	0.6	43.9	4.7	22	0.3	17.3	7.5	156	7.70	8.9	21.5	0.5	20	<0.1	0.6	0.1	232	0.26	0.050	2
L600S + 100W	Soil	1.3	47.6	5.7	21	0.2	14.5	6.5	116	7.33	6.0	9.8	0.5	17	0.1	0.5	0.1	300	0.21	0.048	3
L600S + 125W	Soil	0.5	33.7	4.9	12	0.1	8.9	6.0	82	4.84	3.7	10.9	0.4	11	<0.1	0.6	0.1	299	0.16	0.027	2
L600S + 150W	Soil	0.3	41.5	4.1	18	0.3	9.2	6.1	106	6.21	5.7	13.2	0.4	13	<0.1	0.5	0.1	229	0.21	0.042	2
L600S + 175W	Soil	0.6	34.2	6.3	22	0.5	14.5	6.7	139	6.61	8.2	109.5	0.4	17	0.1	0.6	0.2	267	0.21	0.056	3
L600S + 200W	Soil	0.3	32.3	4.8	20	0.2	9.2	6.7	166	9.36	4.4	2.0	0.4	15	<0.1	0.4	<0.1	339	0.29	0.039	1
L600S + 225W	Soil	0.5	36.9	5.7	16	0.2	9.6	4.8	192	6.82	4.9	7.9	0.5	14	<0.1	0.6	0.1	314	0.20	0.047	3
L600S + 250W	Soil	0.4	31.8	5.2	14	0.2	7.2	11.1	179	8.44	101.2	306.0	0.5	15	<0.1	0.6	0.2	306	0.18	0.045	2
L600S + 275W	Soil	0.7	36.4	6.6	22	0.2	28.6	6.7	145	7.43	11.5	32.9	0.7	15	<0.1	0.6	0.1	326	0.20	0.062	3
L600S + 300W	Soil	0.4	29.8	7.0	20	0.1	8.7	6.6	149	6.60	8.2	20.1	0.4	14	<0.1	0.7	0.1	277	0.23	0.043	2
L600S + 325W	Soil	0.5	38.0	7.3	20	0.2	10.3	7.6	211	5.82	4.3	3.0	0.4	18	<0.1	0.8	0.1	319	0.25	0.029	2
L600S + 350W	Soil	0.4	88.9	6.1	26	0.2	13.8	18.0	450	3.36	7.9	13.3	0.2	37	0.2	0.6	<0.1	164	0.42	0.045	2
L600S + 375W	Soil	0.4	35.1	5.0	15	0.2	9.0	5.5	94	3.83	0.6	1.9	0.3	15	<0.1	0.4	<0.1	241	0.24	0.022	2
L600S + 400W	Soil	0.2	10.2	7.7	18	<0.1	10.6	5.3	111	4.32	4.6	25.3	0.2	36	<0.1	0.8	<0.1	262	0.31	0.022	1
L600S + 425W	Soil	0.6	240.4	6.3	34	0.4	26.8	19.2	612	7.38	79.9	84.2	0.4	40	<0.1	1.6	<0.1	219	0.38	0.054	3
L600S + 450W	Soil	1.6	30.6	26.4	14	0.1	18.3	21.9	793	1.90	7.5	<0.5	<0.1	30	<0.1	0.9	0.1	59	0.33	0.085	2
L600S + 475W	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L600S + 500W	Soil	0.6	192.2	6.0	55	0.2	38.6	30.7	1183	7.94	400.9	89.5	0.4	26	<0.1	1.3	<0.1	232	0.33	0.051	2
L600S + 525W	Soil	0.3	11.0	4.8	13	0.1	7.1	4.5	125	3.42	3.4	9.4	0.3	26	<0.1	0.6	0.1	261	0.36	0.008	2
L600S + 550W	Soil	0.3	42.4	4.1	21	0.1	18.6	7.4	168	4.15	4.3	45.7	0.2	28	<0.1	0.4	<0.1	234	0.46	0.017	1
L600S + 575W	Soil	0.3	68.1	3.4	17	0.1	8.2	5.4	92	6.43	22.0	19.9	0.3	11	<0.1	0.8	<0.1	286	0.23	0.019	2
L600S + 600W	Soil	0.5	28.5	16.1	18	<0.1	9.0	4.9	119	4.91	6.9	15.0	0.3	12	<0.1	0.8	0.1	266	0.37	0.029	2
L700S + 25W	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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Project: FANDORA  
 Report Date: December 14, 2013

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Part: 2 of 2

# CERTIFICATE OF ANALYSIS

VAN13005027.1

Method	Analyte	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	
L500S + 225W	Soil	32	0.27	7	0.266	1	1.19	0.017	0.02	<0.1	0.13	3.0	<0.1	<0.05	9	<0.5	<0.2
L500S + 250W	Soil	33	0.09	5	0.465	<1	0.84	0.009	<0.01	<0.1	0.08	2.6	<0.1	<0.05	13	<0.5	<0.2
L500S + 275W	Soil	24	0.22	5	0.453	<1	0.81	0.020	0.01	<0.1	0.10	2.4	<0.1	<0.05	8	0.6	<0.2
L500S + 575W	Soil	44	0.43	8	0.219	2	1.92	0.014	0.02	<0.1	0.10	6.1	<0.1	<0.05	12	0.7	<0.2
L500S + 600W	Soil	42	0.89	12	0.378	4	3.92	0.019	0.02	<0.1	0.11	6.4	<0.1	<0.05	12	2.4	<0.2
L600S + 25W	Soil	70	0.32	6	0.487	1	3.13	0.011	0.02	<0.1	0.21	5.2	<0.1	<0.05	19	1.9	<0.2
L600S + 50W	Soil	75	0.23	5	0.403	5	4.12	0.011	0.02	<0.1	0.30	6.7	<0.1	0.05	14	3.3	<0.2
L600S + 75W	Soil	67	0.32	7	0.463	3	1.78	0.016	0.02	<0.1	0.16	4.0	<0.1	<0.05	14	1.3	<0.2
L600S + 100W	Soil	65	0.25	5	0.419	5	2.31	0.012	0.01	<0.1	0.17	4.1	<0.1	<0.05	17	0.7	<0.2
L600S + 125W	Soil	42	0.10	3	0.410	4	1.36	0.009	0.01	<0.1	0.09	2.8	<0.1	<0.05	13	1.0	<0.2
L600S + 150W	Soil	55	0.23	4	0.403	2	2.10	0.016	0.02	<0.1	0.18	4.4	<0.1	<0.05	12	2.0	<0.2
L600S + 175W	Soil	58	0.20	7	0.481	5	1.89	0.012	0.02	<0.1	0.21	2.9	<0.1	<0.05	15	1.2	<0.2
L600S + 200W	Soil	64	0.24	3	0.585	3	1.41	0.012	<0.01	<0.1	0.08	3.2	<0.1	<0.05	25	1.1	<0.2
L600S + 225W	Soil	53	0.19	4	0.480	2	2.25	0.010	0.02	<0.1	0.19	4.6	<0.1	<0.05	17	1.0	<0.2
L600S + 250W	Soil	39	0.08	4	0.399	1	1.57	0.006	0.01	<0.1	0.12	3.0	<0.1	<0.05	16	1.1	<0.2
L600S + 275W	Soil	76	0.37	11	0.518	2	1.90	0.016	0.02	<0.1	0.09	3.8	<0.1	<0.05	19	<0.5	<0.2
L600S + 300W	Soil	47	0.24	6	0.415	2	1.56	0.013	0.02	<0.1	0.14	3.1	<0.1	<0.05	14	0.6	<0.2
L600S + 325W	Soil	53	0.13	7	0.470	5	1.46	0.009	0.01	<0.1	0.12	2.4	<0.1	<0.05	15	0.6	<0.2
L600S + 350W	Soil	28	0.33	6	0.463	3	1.37	0.018	0.02	<0.1	0.09	3.1	<0.1	<0.05	8	<0.5	<0.2
L600S + 375W	Soil	36	0.17	5	0.422	1	0.95	0.013	0.01	<0.1	0.07	2.5	<0.1	<0.05	9	<0.5	<0.2
L600S + 400W	Soil	64	0.28	5	0.572	2	0.68	0.014	0.01	<0.1	0.06	4.2	<0.1	<0.05	10	<0.5	<0.2
L600S + 425W	Soil	63	0.70	25	0.276	5	2.60	0.017	0.03	<0.1	0.18	6.5	<0.1	<0.05	14	1.2	<0.2
L600S + 450W	Soil	37	0.15	11	0.155	4	0.66	0.021	0.03	<0.1	0.28	2.3	<0.1	<0.05	2	1.2	<0.2
L600S + 475W	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L600S + 500W	Soil	84	1.40	20	0.210	4	3.92	0.020	0.03	0.1	0.18	10.9	<0.1	<0.05	15	1.1	<0.2
L600S + 525W	Soil	35	0.24	4	0.461	4	0.77	0.021	0.01	<0.1	0.02	3.1	<0.1	<0.05	14	<0.5	<0.2
L600S + 550W	Soil	46	0.53	6	0.487	2	1.42	0.031	0.02	<0.1	0.04	3.2	<0.1	<0.05	12	<0.5	<0.2
L600S + 575W	Soil	41	0.24	4	0.324	2	1.66	0.017	0.01	<0.1	0.03	4.5	<0.1	<0.05	18	<0.5	<0.2
L600S + 600W	Soil	37	0.25	7	0.376	3	1.04	0.024	0.03	<0.1	0.10	2.5	<0.1	<0.05	16	<0.5	<0.2
L700S + 25W	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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





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Project: FANDORA  
 Report Date: December 14, 2013

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Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN13005027.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	
			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	
L700S + 50W	Soil		0.3	141.0	2.9	48	0.1	31.7	17.1	400	5.04	14.7	21.1	0.5	23	<0.1	0.6	<0.1	137	0.48	0.042	2
L700S + 75W	Soil		0.1	109.2	2.4	48	<0.1	32.3	17.2	381	5.21	14.7	19.2	0.5	26	<0.1	0.5	<0.1	147	0.47	0.024	2
L700S + 100W	Soil		0.2	123.6	2.6	46	<0.1	27.5	17.6	431	3.92	14.2	10.9	0.4	24	0.2	0.5	<0.1	111	0.56	0.041	2
L700S + 125W	Soil		0.5	66.3	6.2	23	0.2	12.1	7.9	168	6.13	5.7	5.4	0.6	15	<0.1	0.9	<0.1	231	0.19	0.041	3
L700S + 150W	Soil		0.9	68.8	4.6	24	0.3	16.8	8.5	164	5.45	5.1	77.4	0.5	16	0.2	0.7	<0.1	190	0.20	0.038	3
L700S + 175W	Soil		0.4	31.4	5.4	11	0.2	10.0	3.6	84	3.45	3.9	1.9	0.5	13	<0.1	0.6	<0.1	127	0.17	0.034	2
L700S + 200W	Soil		0.4	85.5	6.4	29	0.3	16.0	9.7	234	5.30	8.1	8.1	0.6	20	<0.1	0.8	<0.1	170	0.31	0.046	2
L700S + 225W	Soil		0.6	101.6	3.6	36	0.2	19.7	9.6	215	5.91	10.3	20.5	2.0	19	<0.1	0.7	<0.1	148	0.27	0.047	6
L700S + 250W	Soil		0.7	58.7	5.1	22	0.4	12.3	9.6	209	6.69	8.2	4.7	0.5	15	<0.1	0.5	<0.1	233	0.23	0.047	3
L700S + 275W	Soil		0.4	29.2	5.1	19	0.1	10.3	5.7	124	6.77	5.2	12.3	0.5	15	<0.1	0.7	<0.1	323	0.26	0.026	2
L700S + 300W	Soil		0.4	26.6	5.7	22	0.2	7.0	4.5	120	8.52	6.6	15.8	0.6	13	<0.1	0.8	0.1	322	0.21	0.035	2
L700S + 325W	Soil		0.5	75.1	2.3	24	0.2	18.3	5.7	137	6.88	30.0	11.5	0.9	17	0.2	0.5	<0.1	121	0.15	0.071	2
L700S + 350W	Soil		1.7	24.2	8.2	13	0.1	16.2	5.7	129	2.46	12.6	3.5	0.2	21	<0.1	0.4	<0.1	156	0.33	0.034	2
L700S + 375W	Soil		0.3	32.8	7.3	14	0.3	5.1	4.6	128	2.17	84.5	57.4	<0.1	19	0.1	0.4	<0.1	133	0.25	0.073	2
L700S + 400W	Soil		0.3	15.9	4.9	11	<0.1	7.7	4.4	82	3.87	1.9	10.4	0.3	13	<0.1	0.8	0.2	249	0.19	0.014	2
L700S + 425W	Soil		0.6	66.5	5.1	19	0.1	6.8	6.5	80	9.11	4.9	100.8	0.4	10	<0.1	0.7	0.2	334	0.13	0.037	2
L700S + 450W	Soil		0.3	19.6	7.1	8	<0.1	5.9	5.6	47	3.35	2.8	97.7	0.4	8	<0.1	0.7	0.2	239	0.08	0.012	2
L700S + 475W	Soil		0.4	74.7	7.2	20	0.2	9.4	5.1	100	8.62	5.3	49.0	0.6	19	<0.1	1.2	0.2	304	0.20	0.047	1
L700S + 500W	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L700S + 525W	Soil		0.4	10.7	11.4	13	<0.1	7.0	4.1	83	2.62	0.7	14.0	0.3	19	<0.1	0.7	0.1	186	0.24	0.030	2
L700S + 550W	Soil		0.5	47.4	12.3	17	0.8	9.4	4.4	120	3.57	1.8	4.1	0.3	12	0.1	0.5	0.2	199	0.18	0.048	3
L700S + 575W	Soil		0.6	46.6	6.5	18	0.2	5.9	3.8	152	8.86	7.9	35.0	0.4	9	<0.1	0.7	0.2	367	0.13	0.034	2
L700S + 600W	Soil		0.4	39.3	8.6	15	0.4	9.2	6.4	78	6.31	52.1	52.0	0.4	14	0.3	1.2	<0.1	347	0.16	0.035	2
L800S + 25W	Soil		0.6	40.4	4.4	18	0.2	6.6	4.7	79	8.59	4.2	20.0	0.6	8	<0.1	0.8	<0.1	252	0.12	0.032	2
L800S + 50W	Soil		0.2	121.2	2.7	35	<0.1	25.6	14.4	334	4.02	13.0	21.2	0.5	16	0.1	0.5	<0.1	109	0.36	0.035	2
L800S + 75W	Soil		4.0	86.7	5.3	42	0.1	14.0	43.8	2623	9.42	5.0	<0.5	1.1	16	<0.1	1.7	0.1	267	0.13	0.069	3
L800S + 100W	Soil		0.6	63.0	6.3	22	0.1	11.5	6.6	167	10.01	5.6	2.5	0.8	9	<0.1	1.6	<0.1	257	0.07	0.059	2
L800S + 125W	Soil		0.2	20.0	7.5	16	0.1	7.2	5.9	193	2.50	1.4	3.1	0.2	17	<0.1	1.1	<0.1	202	0.22	0.032	1
L800S + 150W	Soil		0.8	51.1	8.0	19	0.2	9.9	6.1	117	8.25	1.7	92.0	0.5	10	<0.1	1.0	0.1	269	0.13	0.047	2
L800S + 175W	Soil		0.6	24.0	8.2	17	<0.1	5.0	4.6	155	7.44	2.8	2.9	0.5	15	<0.1	2.5	0.2	276	0.17	0.030	3

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# CERTIFICATE OF ANALYSIS

VAN13005027.1

Method	Analyte	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	
L700S + 50W	Soil	57	1.35	12	0.347	4	3.72	0.016	0.02	<0.1	0.20	7.3	<0.1	<0.05	8	1.3	<0.2
L700S + 75W	Soil	60	1.35	11	0.400	2	3.15	0.015	0.01	<0.1	0.13	6.7	<0.1	<0.05	9	0.7	<0.2
L700S + 100W	Soil	47	1.17	9	0.302	4	3.04	0.015	0.02	<0.1	0.11	6.0	<0.1	<0.05	7	0.6	<0.2
L700S + 125W	Soil	42	0.37	7	0.457	3	2.74	0.010	0.02	<0.1	0.22	3.8	<0.1	<0.05	13	1.4	<0.2
L700S + 150W	Soil	39	0.50	6	0.392	3	2.71	0.012	0.01	<0.1	0.17	4.8	<0.1	<0.05	11	1.4	<0.2
L700S + 175W	Soil	27	0.19	7	0.228	<1	1.32	0.011	0.02	<0.1	0.13	2.3	<0.1	<0.05	9	0.9	<0.2
L700S + 200W	Soil	39	0.61	7	0.336	3	2.19	0.015	0.02	<0.1	0.19	4.1	<0.1	<0.05	11	<0.5	<0.2
L700S + 225W	Soil	43	0.64	9	0.384	2	4.57	0.014	0.01	<0.1	0.29	6.8	<0.1	<0.05	12	1.1	<0.2
L700S + 250W	Soil	48	0.23	7	0.399	3	2.25	0.012	0.02	<0.1	0.17	3.5	<0.1	<0.05	15	0.7	<0.2
L700S + 275W	Soil	46	0.23	5	0.589	2	1.09	0.012	0.01	<0.1	0.09	2.9	<0.1	<0.05	20	<0.5	<0.2
L700S + 300W	Soil	57	0.15	4	0.515	2	1.93	0.009	<0.01	<0.1	0.13	3.7	<0.1	<0.05	21	<0.5	<0.2
L700S + 325W	Soil	84	0.36	7	0.405	2	4.98	0.009	0.02	0.1	0.29	8.2	<0.1	<0.05	8	4.4	<0.2
L700S + 350W	Soil	33	0.24	7	0.375	<1	0.86	0.015	0.02	<0.1	0.10	2.6	<0.1	<0.05	6	0.6	<0.2
L700S + 375W	Soil	17	0.13	8	0.193	<1	0.85	0.009	0.03	<0.1	0.16	2.7	<0.1	<0.05	5	0.8	<0.2
L700S + 400W	Soil	33	0.15	4	0.400	1	0.62	0.010	<0.01	<0.1	0.01	1.9	<0.1	<0.05	14	<0.5	<0.2
L700S + 425W	Soil	39	0.09	3	0.442	<1	1.38	0.006	<0.01	<0.1	0.08	2.5	<0.1	<0.05	18	<0.5	<0.2
L700S + 450W	Soil	20	0.05	5	0.357	<1	0.49	0.006	<0.01	<0.1	0.03	0.8	<0.1	<0.05	11	<0.5	<0.2
L700S + 475W	Soil	65	0.21	6	0.424	2	2.63	0.010	0.02	<0.1	0.14	3.1	<0.1	<0.05	21	1.2	<0.2
L700S + 500W	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L700S + 525W	Soil	28	0.21	4	0.297	<1	0.72	0.018	0.04	<0.1	0.12	2.7	<0.1	<0.05	9	0.5	<0.2
L700S + 550W	Soil	30	0.11	9	0.301	2	1.75	0.012	0.03	<0.1	0.28	3.1	<0.1	<0.05	12	1.1	<0.2
L700S + 575W	Soil	54	0.09	4	0.457	<1	1.39	0.007	<0.01	<0.1	0.06	3.3	<0.1	<0.05	25	<0.5	<0.2
L700S + 600W	Soil	47	0.08	4	0.550	4	0.88	0.010	0.01	<0.1	0.06	2.3	<0.1	<0.05	18	<0.5	<0.2
L800S + 25W	Soil	52	0.20	6	0.484	<1	2.35	0.008	0.01	<0.1	0.19	4.2	<0.1	<0.05	16	2.7	<0.2
L800S + 50W	Soil	50	0.99	10	0.244	3	3.69	0.014	0.01	<0.1	0.14	6.3	<0.1	<0.05	8	2.2	<0.2
L800S + 75W	Soil	96	0.52	7	0.495	3	5.75	0.006	<0.01	<0.1	0.30	15.6	<0.1	<0.05	14	2.4	<0.2
L800S + 100W	Soil	69	0.47	6	0.337	1	4.04	0.005	0.01	<0.1	0.18	5.2	<0.1	<0.05	16	1.2	<0.2
L800S + 125W	Soil	19	0.32	5	0.264	2	0.83	0.009	0.02	<0.1	0.09	2.7	<0.1	<0.05	9	1.0	<0.2
L800S + 150W	Soil	41	0.35	6	0.372	1	2.68	0.007	0.02	<0.1	0.19	3.1	<0.1	<0.05	16	0.9	<0.2
L800S + 175W	Soil	37	0.20	7	0.366	4	1.37	0.008	0.02	<0.1	0.11	2.5	<0.1	<0.05	21	<0.5	<0.2



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Project: FANDORA  
 Report Date: December 14, 2013

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# CERTIFICATE OF ANALYSIS

VAN13005027.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
L800S + 200W	Soil		0.7	39.2	6.7	20	<0.1	11.6	6.4	139	8.56	3.1	2.5	0.4	18	<0.1	1.5	0.2	285	0.27	0.038	1
L800S + 225W	Soil		0.6	28.0	7.2	14	<0.1	4.1	3.0	67	7.98	1.0	2.9	0.4	10	<0.1	1.7	0.2	337	0.12	0.039	1
L800S + 250W	Soil		<0.1	1.9	2.2	2	<0.1	1.3	0.8	16	0.42	0.7	2.9	0.1	2	<0.1	0.2	<0.1	20	0.02	0.008	2
L800S + 275W	Soil		1.0	38.4	5.3	21	0.1	11.8	4.6	97	8.21	6.5	1.2	0.7	13	<0.1	0.8	<0.1	270	0.17	0.038	1
L800S + 300W	Soil		0.7	206.2	4.2	33	0.2	17.3	8.0	188	9.92	9.5	71.9	0.9	15	<0.1	0.7	0.1	268	0.17	0.053	4
L800S + 325W	Soil		0.7	204.4	10.6	23	0.3	11.0	7.0	189	10.97	42.1	640.2	0.5	12	<0.1	3.5	0.2	417	0.21	0.084	2
L800S + 350W	Soil		0.6	84.2	4.1	21	<0.1	8.0	3.4	72	10.91	10.3	6.4	0.5	12	<0.1	1.0	0.1	366	0.18	0.059	1
L800S + 375W	Soil		0.4	26.0	7.5	13	0.1	5.2	3.0	71	3.96	2.8	5.7	0.2	17	<0.1	0.8	<0.1	246	0.23	0.038	2
L800S + 400W	Soil		0.6	48.2	5.4	19	0.2	8.3	5.5	78	9.10	7.2	34.1	0.5	17	0.1	1.6	0.1	329	0.20	0.042	1
L800S + 425W	Soil		0.3	24.4	6.4	16	<0.1	6.6	3.9	68	6.93	1.8	1.2	0.3	19	<0.1	0.9	<0.1	258	0.24	0.040	1
L800S + 450W	Soil		0.6	36.6	5.9	14	0.2	8.5	4.6	68	6.07	2.4	339.0	0.4	17	<0.1	0.7	<0.1	292	0.16	0.025	1
L800S + 475W	Soil		0.5	47.2	5.4	21	0.2	11.0	5.4	85	7.73	3.5	283.1	0.5	24	<0.1	1.7	<0.1	294	0.22	0.035	1
L800S + 500W	Soil		0.4	17.0	5.4	10	0.3	6.5	3.9	71	4.10	3.4	1313.3	0.4	18	<0.1	0.7	<0.1	240	0.23	0.019	2
L800S + 525W	Soil		0.6	91.6	5.3	26	0.1	16.0	6.6	158	10.73	71.8	132.7	0.5	30	<0.1	1.1	0.1	294	0.21	0.065	1
L800S + 550W	Soil		0.3	27.9	6.3	9	<0.1	9.0	7.3	58	4.16	2.4	106.4	0.4	13	<0.1	1.4	0.1	362	0.15	0.017	2
L800S + 575W	Soil		0.6	16.4	10.0	15	0.1	8.0	4.5	107	3.25	1.8	14.4	0.3	12	<0.1	1.0	<0.1	239	0.24	0.026	2
L800S + 600W	Soil		0.4	36.5	4.7	8	0.1	7.2	3.0	111	1.73	0.8	5.8	0.2	15	<0.1	0.8	<0.1	177	0.15	0.015	1
L900S + 25W	Soil		0.9	90.1	5.9	49	0.2	16.1	10.0	535	8.94	4.5	16.5	1.0	14	0.2	1.6	0.1	281	0.12	0.056	3
L900S + 50W	Soil		0.6	47.8	6.9	23	0.1	13.3	10.4	521	7.35	9.0	11.2	0.3	12	<0.1	1.3	<0.1	248	0.12	0.065	2
L900S + 75W	Soil		0.3	29.0	17.8	26	0.1	12.1	7.9	589	4.24	2.0	3.6	0.3	21	<0.1	1.0	<0.1	201	0.21	0.071	2
L900S + 100W	Soil		0.4	37.5	7.1	21	<0.1	9.0	9.1	654	5.78	1.4	24.4	0.4	16	<0.1	1.2	0.2	263	0.13	0.051	2
L900S + 125W	Soil		0.4	74.1	6.1	37	<0.1	21.5	18.4	1031	7.57	4.1	11.0	0.3	15	0.2	1.1	<0.1	217	0.19	0.061	2
L900S + 150W	Soil		0.6	59.8	5.3	33	0.2	17.7	21.5	892	6.79	17.0	5.2	0.7	23	<0.1	1.9	<0.1	202	0.19	0.074	3
L900S + 175W	Soil		0.4	45.6	4.2	23	0.2	10.3	6.0	238	5.90	8.0	8.0	0.4	18	0.2	1.4	<0.1	189	0.20	0.051	2
L900S + 200W	Soil		0.5	43.2	5.9	26	0.1	14.2	7.7	318	7.49	8.5	3.9	1.0	21	<0.1	1.3	<0.1	187	0.18	0.065	2
L900S + 225W	Soil		0.4	36.3	12.1	21	0.2	8.9	10.9	1521	5.31	6.5	183.0	0.6	14	<0.1	1.1	0.1	166	0.11	0.082	2
L900S + 250W	Soil		0.5	37.1	4.5	18	0.3	7.0	5.7	299	6.01	5.0	5.3	0.9	25	<0.1	1.0	<0.1	152	0.11	0.050	2
L900S + 275W	Soil		0.4	11.5	5.5	8	<0.1	3.0	2.4	77	3.26	3.0	6.7	0.7	8	<0.1	0.8	0.2	89	0.07	0.022	2
L900S + 300W	Soil		0.4	26.2	6.8	18	0.2	8.3	6.3	181	4.48	2.4	5.5	0.5	24	<0.1	1.2	0.1	182	0.19	0.026	2
L900S + 325W	Soil		0.5	28.3	6.7	16	0.5	11.8	7.6	211	6.35	13.2	14.0	0.4	18	<0.1	1.4	0.2	238	0.10	0.045	2

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

# CERTIFICATE OF ANALYSIS

VAN13005027.1

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	
L800S + 200W	Soil	47	0.34	2	0.460	2	1.54	0.015	0.02	<0.1	0.08	2.6	<0.1	<0.05	17	<0.5	<0.2
L800S + 225W	Soil	32	0.10	6	0.461	1	1.17	0.010	0.01	<0.1	0.09	2.0	<0.1	<0.05	20	<0.5	<0.2
L800S + 250W	Soil	3	0.01	2	0.028	1	0.38	0.008	<0.01	<0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
L800S + 275W	Soil	67	0.29	4	0.517	2	2.06	0.010	0.01	<0.1	0.12	4.0	<0.1	<0.05	17	0.8	<0.2
L800S + 300W	Soil	79	0.56	5	0.657	2	4.54	0.009	<0.01	<0.1	0.26	11.2	<0.1	0.07	17	2.4	<0.2
L800S + 325W	Soil	50	0.35	8	0.419	<1	1.96	0.006	0.02	<0.1	0.11	5.1	<0.1	<0.05	24	0.6	<0.2
L800S + 350W	Soil	76	0.13	3	0.548	1	1.61	0.007	0.01	<0.1	0.07	2.5	<0.1	<0.05	20	<0.5	<0.2
L800S + 375W	Soil	21	0.11	4	0.384	2	0.88	0.007	0.02	<0.1	0.10	2.1	<0.1	<0.05	10	<0.5	<0.2
L800S + 400W	Soil	60	0.17	3	0.558	2	1.73	0.008	0.01	<0.1	0.08	2.3	<0.1	<0.05	19	0.6	<0.2
L800S + 425W	Soil	39	0.15	3	0.478	3	1.07	0.009	0.01	<0.1	0.07	1.8	<0.1	<0.05	14	<0.5	<0.2
L800S + 450W	Soil	33	0.13	5	0.514	<1	0.84	0.011	0.01	<0.1	0.05	1.8	<0.1	<0.05	11	<0.5	<0.2
L800S + 475W	Soil	48	0.29	11	0.421	<1	1.95	0.008	0.01	<0.1	0.07	4.1	<0.1	<0.05	18	<0.5	<0.2
L800S + 500W	Soil	28	0.13	4	0.412	<1	0.68	0.010	<0.01	<0.1	0.03	1.8	<0.1	<0.05	12	<0.5	<0.2
L800S + 525W	Soil	69	0.29	9	0.426	3	2.28	0.008	0.01	<0.1	0.06	4.9	<0.1	<0.05	17	0.5	<0.2
L800S + 550W	Soil	32	0.05	2	0.414	2	0.41	0.008	<0.01	<0.1	0.04	1.5	<0.1	<0.05	9	<0.5	<0.2
L800S + 575W	Soil	38	0.14	7	0.344	2	0.59	0.014	0.02	<0.1	0.13	2.2	<0.1	<0.05	8	<0.5	<0.2
L800S + 600W	Soil	22	0.07	4	0.299	3	0.39	0.008	<0.01	<0.1	0.05	1.3	<0.1	<0.05	7	<0.5	<0.2
L900S + 25W	Soil	63	0.70	13	0.356	3	4.10	0.006	0.01	0.1	0.48	8.0	<0.1	<0.05	15	2.7	<0.2
L900S + 50W	Soil	38	0.50	6	0.328	4	1.94	0.009	0.02	<0.1	0.20	4.5	<0.1	<0.05	13	1.1	<0.2
L900S + 75W	Soil	36	0.58	10	0.306	3	1.42	0.013	0.04	<0.1	0.24	5.0	<0.1	<0.05	9	0.8	<0.2
L900S + 100W	Soil	46	0.36	5	0.438	3	1.38	0.007	0.01	<0.1	0.15	4.1	<0.1	<0.05	14	1.2	<0.2
L900S + 125W	Soil	54	0.94	9	0.328	1	2.40	0.009	0.01	<0.1	0.19	7.6	<0.1	<0.05	12	1.2	<0.2
L900S + 150W	Soil	68	0.66	11	0.389	2	4.27	0.008	0.01	<0.1	0.37	8.6	<0.1	<0.05	11	2.8	<0.2
L900S + 175W	Soil	46	0.37	7	0.382	2	2.67	0.010	0.02	<0.1	0.23	3.9	<0.1	<0.05	11	1.3	<0.2
L900S + 200W	Soil	60	0.48	10	0.307	2	2.55	0.011	0.02	<0.1	0.19	4.5	<0.1	<0.05	13	1.8	<0.2
L900S + 225W	Soil	32	0.41	9	0.193	2	2.04	0.007	0.03	<0.1	0.29	3.6	<0.1	<0.05	11	1.5	<0.2
L900S + 250W	Soil	35	0.42	17	0.180	2	2.22	0.007	0.02	<0.1	0.16	3.6	<0.1	<0.05	12	0.8	<0.2
L900S + 275W	Soil	10	0.09	4	0.127	1	1.04	0.006	0.01	<0.1	0.12	1.2	<0.1	<0.05	10	<0.5	<0.2
L900S + 300W	Soil	34	0.19	10	0.321	<1	1.16	0.008	0.01	<0.1	0.08	2.9	<0.1	<0.05	12	<0.5	<0.2
L900S + 325W	Soil	50	0.26	8	0.379	2	1.35	0.007	0.02	<0.1	0.13	4.2	<0.1	<0.05	13	0.9	<0.2



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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				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	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1
L900S + 350W	Soil			0.4	67.8	4.5	27	0.2	16.4	10.8	268	11.15	14.6	11.3	0.5	20	<0.1	2.1	<0.1	337	0.17	0.041	2
L900S + 375W	Soil			0.4	29.1	3.8	15	0.3	6.5	4.0	130	6.58	5.6	5.2	0.6	14	<0.1	1.8	<0.1	257	0.16	0.036	1
L900S + 400W	Soil			0.7	142.5	3.4	27	0.3	15.4	8.1	162	8.09	8.0	60.8	0.6	16	0.2	1.3	<0.1	291	0.15	0.056	3
L900S + 425W	Soil			0.7	81.6	4.7	25	0.2	20.1	6.4	155	7.35	4.3	7.3	0.5	14	<0.1	0.7	<0.1	238	0.17	0.055	2
L900S + 450W	Soil			0.4	172.7	6.4	44	0.1	41.2	14.3	362	5.76	16.7	19.1	0.5	34	<0.1	0.8	<0.1	189	0.29	0.052	2
L900S + 475W	Soil			0.2	264.4	7.6	60	0.3	63.2	28.7	718	5.34	21.1	20.4	0.4	35	0.1	0.8	<0.1	157	0.24	0.049	2
L900S + 500W	Soil			0.4	208.1	4.0	41	0.2	51.3	15.2	209	6.37	6.6	34.7	0.6	33	<0.1	1.1	<0.1	205	0.23	0.045	3
L900S + 525W	Soil			0.5	63.8	7.1	19	0.2	14.5	8.6	177	5.28	2.2	6.9	0.3	23	0.1	1.6	<0.1	218	0.26	0.035	2
L900S + 550W	Soil			<0.1	4.9	10.4	12	<0.1	1.4	0.9	32	0.44	<0.5	5.7	<0.1	14	<0.1	0.3	<0.1	41	0.28	0.042	<1
L900S + 575W	Soil			0.7	160.4	6.4	18	<0.1	13.2	5.4	83	7.66	2.0	6.9	0.5	15	<0.1	1.7	0.1	312	0.27	0.032	2
L900S + 600W	Soil			0.9	19.1	10.6	13	0.1	2.7	1.7	70	3.74	1.1	129.7	0.7	9	<0.1	0.5	0.3	454	0.16	0.016	3
L1000S + 325W	Soil			0.6	111.0	5.6	29	0.2	19.3	10.0	212	9.40	8.1	30.4	0.8	27	<0.1	2.0	0.1	285	0.20	0.043	3
L1000S + 350W	Soil			0.3	45.5	8.6	17	0.3	7.2	6.2	95	5.00	5.3	4.3	0.4	13	<0.1	1.1	0.1	249	0.14	0.036	1
L1000S + 375W	Soil			0.6	45.5	6.8	21	0.3	8.4	9.5	222	6.19	2.6	36.9	0.3	17	<0.1	1.2	<0.1	234	0.17	0.056	2
L1000S + 400W	Soil			0.8	118.8	6.7	34	<0.1	21.2	11.8	276	6.02	8.0	5.1	0.4	32	<0.1	1.0	<0.1	207	0.38	0.041	1
L1000S + 425W	Soil			0.4	31.6	5.7	14	0.1	4.9	4.5	75	4.09	1.2	12.4	0.3	23	<0.1	1.3	<0.1	245	0.25	0.021	1
L1000S + 450W	Soil			0.7	113.2	5.2	19	0.1	8.1	6.0	89	8.15	4.9	88.7	0.5	25	<0.1	1.2	0.1	261	0.25	0.040	1
L1000S + 475W	Soil			0.7	114.7	4.3	21	0.1	8.1	7.1	92	8.61	3.9	6.4	0.6	25	<0.1	1.0	0.1	307	0.23	0.030	2
L1000S + 500W	Soil			0.3	32.3	8.0	12	0.1	5.6	3.8	69	1.98	1.2	7.4	0.3	25	<0.1	0.7	0.1	165	0.24	0.031	2
L1000S + 525W	Soil			0.8	150.1	7.4	19	0.2	8.4	5.6	116	6.15	1.3	7.2	0.4	32	<0.1	1.1	0.1	302	0.25	0.021	2
L1000S + 550W	Soil			0.1	11.7	7.0	7	0.2	2.6	1.3	56	0.83	<0.5	3.7	0.2	15	<0.1	0.5	0.3	83	0.21	0.026	1
L1000S + 575W	Soil			0.4	32.9	4.9	12	0.1	3.5	3.4	75	3.75	1.0	22.1	0.3	19	<0.1	0.6	<0.1	230	0.22	0.015	2
L1000S + 600W	Soil			0.2	11.2	7.5	11	0.1	4.2	2.7	114	1.25	<0.5	1.6	0.1	11	<0.1	0.3	<0.1	132	0.26	0.030	1

# CERTIFICATE OF ANALYSIS

VAN13005027.1

Method	Analyte	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	
L900S + 350W	Soil	103	0.51	6	0.632	<1	3.14	0.008	<0.01	<0.1	0.15	8.4	<0.1	<0.05	18	1.6	<0.2
L900S + 375W	Soil	44	0.18	4	0.491	<1	1.51	0.008	0.01	<0.1	0.10	2.9	<0.1	<0.05	15	0.7	<0.2
L900S + 400W	Soil	84	0.26	7	0.470	4	5.06	0.006	0.01	<0.1	0.27	7.0	<0.1	<0.05	22	2.2	<0.2
L900S + 425W	Soil	65	0.30	16	0.380	4	3.27	0.008	0.02	<0.1	0.25	5.1	<0.1	<0.05	19	1.5	<0.2
L900S + 450W	Soil	76	1.05	32	0.382	3	5.13	0.012	0.02	<0.1	0.17	7.0	<0.1	<0.05	16	1.1	<0.2
L900S + 475W	Soil	72	1.33	97	0.303	1	5.26	0.013	0.03	<0.1	0.15	8.1	<0.1	<0.05	14	1.0	<0.2
L900S + 500W	Soil	63	0.59	146	0.306	7	6.16	0.013	0.02	<0.1	0.22	8.3	<0.1	<0.05	19	1.1	<0.2
L900S + 525W	Soil	35	0.19	17	0.264	7	2.18	0.009	0.02	<0.1	0.15	2.6	<0.1	<0.05	14	<0.5	<0.2
L900S + 550W	Soil	7	0.07	5	0.071	1	0.15	0.017	0.06	<0.1	0.24	1.0	<0.1	<0.05	<1	<0.5	<0.2
L900S + 575W	Soil	44	0.19	10	0.340	2	2.86	0.004	0.02	<0.1	0.12	3.6	<0.1	<0.05	24	<0.5	<0.2
L900S + 600W	Soil	21	0.09	6	0.443	<1	1.12	0.005	0.02	<0.1	0.04	1.5	<0.1	<0.05	30	<0.5	<0.2
L1000S + 325W	Soil	95	0.63	6	0.610	<1	3.93	0.007	0.02	<0.1	0.14	9.6	<0.1	<0.05	16	1.5	<0.2
L1000S + 350W	Soil	29	0.25	4	0.485	2	1.07	0.010	0.02	<0.1	0.16	2.6	<0.1	<0.05	10	<0.5	<0.2
L1000S + 375W	Soil	30	0.28	6	0.429	2	1.64	0.009	0.03	<0.1	0.15	3.6	<0.1	<0.05	12	<0.5	<0.2
L1000S + 400W	Soil	53	0.66	7	0.421	1	2.18	0.012	0.03	<0.1	0.17	4.2	<0.1	<0.05	11	<0.5	<0.2
L1000S + 425W	Soil	20	0.15	4	0.494	<1	0.67	0.009	0.01	<0.1	0.07	2.2	<0.1	<0.05	11	<0.5	<0.2
L1000S + 450W	Soil	39	0.23	4	0.422	<1	1.75	0.009	0.01	<0.1	0.09	2.5	<0.1	<0.05	15	<0.5	<0.2
L1000S + 475W	Soil	40	0.25	4	0.410	<1	1.95	0.007	0.01	<0.1	0.09	2.8	<0.1	<0.05	17	<0.5	<0.2
L1000S + 500W	Soil	18	0.12	4	0.299	<1	0.64	0.007	0.02	<0.1	0.11	2.1	<0.1	<0.05	6	<0.5	<0.2
L1000S + 525W	Soil	21	0.30	5	0.433	<1	1.17	0.010	0.02	<0.1	0.09	2.5	<0.1	<0.05	19	<0.5	<0.2
L1000S + 550W	Soil	9	0.05	3	0.146	<1	0.39	0.008	0.03	<0.1	0.10	1.5	<0.1	<0.05	3	<0.5	<0.2
L1000S + 575W	Soil	13	0.13	4	0.394	<1	0.80	0.009	0.01	<0.1	0.04	2.0	<0.1	<0.05	12	<0.5	<0.2
L1000S + 600W	Soil	12	0.13	3	0.216	2	0.31	0.016	0.03	<0.1	0.15	1.7	<0.1	<0.05	4	<0.5	<0.2

# QUALITY CONTROL REPORT

VAN13005027.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P	1DX15 La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Pulp Duplicates																							
L500S + 25W	Soil			0.5	202.1	5.0	49	0.3	31.7	20.8	385	7.85	72.7	576.0	1.0	23	<0.1	1.6	<0.1	233	0.22	0.064	5
REP L500S + 25W	QC			0.6	197.4	5.2	47	0.2	29.7	20.4	390	7.90	71.2	238.7	1.0	24	0.1	1.6	<0.1	232	0.24	0.062	5
L700S + 50W	Soil			0.3	141.0	2.9	48	0.1	31.7	17.1	400	5.04	14.7	21.1	0.5	23	<0.1	0.6	<0.1	137	0.48	0.042	2
REP L700S + 50W	QC			0.2	140.4	2.8	45	<0.1	31.6	17.1	398	5.04	14.7	33.3	0.5	23	0.2	0.6	<0.1	136	0.49	0.041	2
L800S + 350W	Soil			0.6	84.2	4.1	21	<0.1	8.0	3.4	72	10.91	10.3	6.4	0.5	12	<0.1	1.0	0.1	366	0.18	0.059	1
REP L800S + 350W	QC			0.5	84.0	4.1	21	0.1	8.0	3.3	72	11.50	10.0	23.3	0.4	12	<0.1	0.9	0.1	363	0.18	0.058	1
L1000S + 350W	Soil			0.3	45.5	8.6	17	0.3	7.2	6.2	95	5.00	5.3	4.3	0.4	13	<0.1	1.1	0.1	249	0.14	0.036	1
REP L1000S + 350W	QC			0.5	48.4	8.9	19	0.3	8.3	6.6	108	4.91	7.0	11.7	0.4	15	<0.1	1.3	<0.1	274	0.15	0.043	2
Reference Materials																							
STD DS10	Standard			14.5	142.8	140.9	338	1.6	68.8	11.7	825	2.57	43.3	79.8	7.0	63	2.5	8.7	10.4	40	1.01	0.072	16
STD DS10	Standard			12.7	145.7	148.8	340	1.8	69.8	11.6	813	2.54	42.6	76.4	7.3	61	2.5	8.6	10.4	42	0.96	0.070	16
STD DS10	Standard			13.4	147.9	151.0	342	1.8	71.4	12.0	886	2.63	40.9	72.1	7.0	61	2.3	9.2	11.3	41	1.00	0.073	16
STD DS10	Standard			12.5	143.6	149.1	346	1.9	69.8	11.9	825	2.58	42.9	80.2	7.1	60	2.0	8.8	11.2	36	0.93	0.068	16
STD OXC109	Standard			1.5	34.3	10.0	42	<0.1	66.8	18.3	372	2.82	<0.5	216.4	1.3	133	<0.1	<0.1	<0.1	41	0.65	0.097	12
STD OXC109	Standard			1.1	33.0	10.4	40	<0.1	67.9	17.4	373	2.60	<0.5	210.6	1.4	128	<0.1	<0.1	<0.1	46	0.60	0.094	11
STD OXC109	Standard			1.4	33.1	10.4	39	<0.1	63.3	18.1	372	2.69	<0.5	197.5	1.4	130	<0.1	<0.1	<0.1	45	0.66	0.095	11
STD OXC109	Standard			1.2	32.8	10.3	40	<0.1	68.9	17.4	383	2.77	<0.5	207.0	1.3	122	<0.1	<0.1	<0.1	41	0.61	0.093	11
STD DS10 Expected				14.69	154.61	150.55	352.9	1.96	74.6	12.9	861	2.7188	43.7	91.9	7.5	67.1	2.48	9.51	11.65	43	1.0355	0.073	17.5
STD OXC109 Expected				201																			
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

# QUALITY CONTROL REPORT

VAN13005027.1

Method		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																	
L500S + 25W	Soil	93	0.75	12	0.435	5	5.76	0.013	0.02	0.2	0.26	13.7	<0.1	<0.05	14	1.6	<0.2
REP L500S + 25W	QC	92	0.75	12	0.424	3	5.73	0.013	0.02	0.2	0.29	13.8	<0.1	<0.05	14	2.6	<0.2
L700S + 50W	Soil	57	1.35	12	0.347	4	3.72	0.016	0.02	<0.1	0.20	7.3	<0.1	<0.05	8	1.3	<0.2
REP L700S + 50W	QC	56	1.35	12	0.347	4	3.70	0.017	0.02	<0.1	0.14	6.9	<0.1	<0.05	9	0.7	<0.2
L800S + 350W	Soil	76	0.13	3	0.548	1	1.61	0.007	0.01	<0.1	0.07	2.5	<0.1	<0.05	20	<0.5	<0.2
REP L800S + 350W	QC	76	0.13	3	0.562	1	1.63	0.006	0.01	<0.1	0.07	2.7	<0.1	<0.05	21	0.5	<0.2
L1000S + 350W	Soil	29	0.25	4	0.485	2	1.07	0.010	0.02	<0.1	0.16	2.6	<0.1	<0.05	10	<0.5	<0.2
REP L1000S + 350W	QC	29	0.27	5	0.577	<1	1.14	0.011	0.02	<0.1	0.15	2.4	<0.1	<0.05	11	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	51	0.75	329	0.076	9	0.99	0.060	0.31	3.2	0.27	2.9	4.8	0.22	4	2.4	4.4
STD DS10	Standard	52	0.75	326	0.071	6	0.96	0.059	0.31	3.2	0.28	2.8	4.7	0.22	4	2.8	4.6
STD DS10	Standard	51	0.77	316	0.072	7	0.94	0.058	0.33	3.3	0.28	2.7	4.8	0.26	4	1.1	4.4
STD DS10	Standard	50	0.76	331	0.069	6	0.94	0.059	0.31	3.4	0.27	2.6	4.7	0.21	4	1.7	5.1
STD OXC109	Standard	55	1.35	54	0.352	1	1.38	0.618	0.38	0.2	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	53	1.38	52	0.336	<1	1.41	0.628	0.38	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	52	1.34	54	0.338	<1	1.35	0.603	0.38	0.2	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	53	1.35	50	0.336	1	1.37	0.636	0.38	0.2	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		54.6	0.7651	349	0.0817		1.0259	0.0638	0.3245	3.34	0.289	2.8	4.79	0.2743	4.3	2.3	4.89
STD OXC109 Expected																	
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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Client: **Selkirk Metals Corp.**  
200 - 580 Hornby Street  
Vancouver BC V6C 3B6 Canada

Submitted By: Email Distribution List  
Receiving Lab: Canada-Vancouver  
Received: November 27, 2013  
Report Date: December 11, 2013  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN13005028.1

### CLIENT JOB INFORMATION

Project: FANDORA  
Shipment ID: FAN2013-1127  
P.O. Number  
Number of Samples: 1

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure 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  
DISP-RJT Dispose of Reject After 90 days

### ADDITIONAL COMMENTS

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

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

CC:



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: FANDORA  
 Report Date: December 11, 2013

Page: 2 of 2

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN13005028.1

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	
781004	Rock	3.12	<0.1	33.0	1.0	49	<0.1	31.2	22.7	362	2.98	1.8	0.7	0.3	92	<0.1	0.2	<0.1	76	1.25	0.057



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

**Project:** FANDORA  
**Report Date:** December 11, 2013

**Page:** 2 of 2

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

VAN13005028.1

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	
781004	Rock	3	38	1.30	3	0.316	2	1.98	0.003	<0.01	<0.1	<0.01	4.2	<0.1	<0.05	5	<0.5	<0.2

## QUALITY CONTROL REPORT

VAN13005028.1

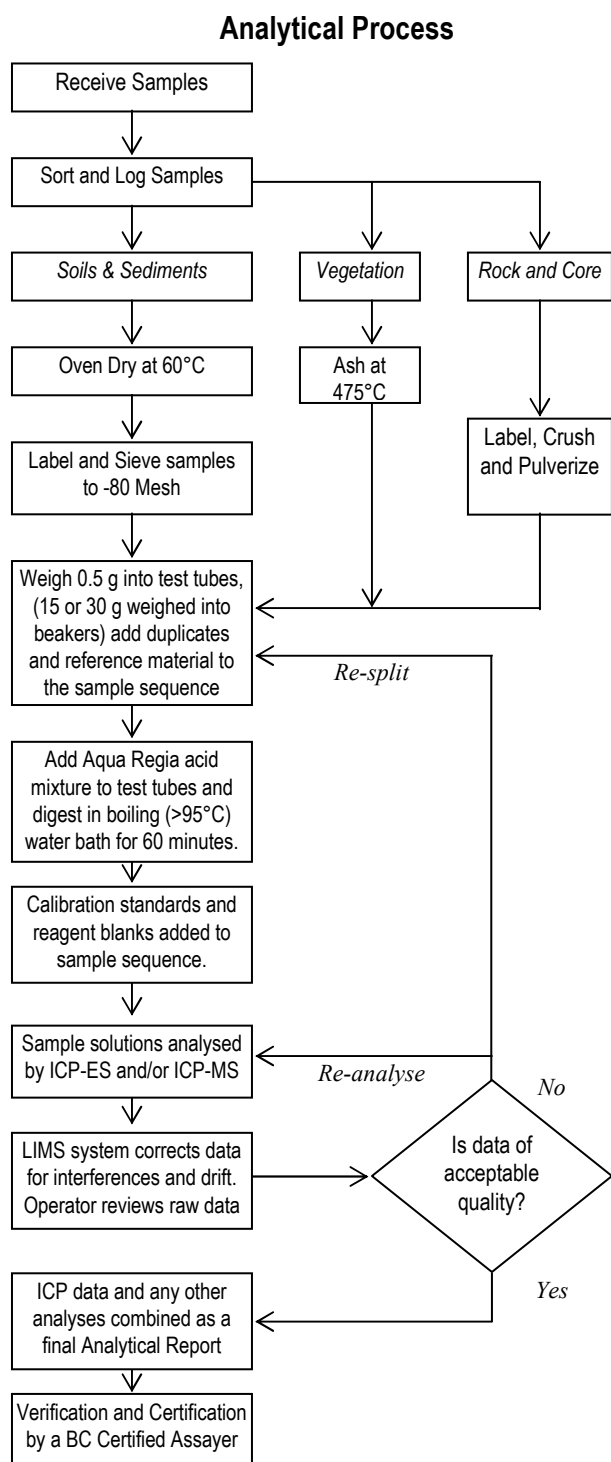
Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																				
REP G1	QC	0.1	4.2	3.7	44	<0.1	2.8	4.1	555	1.95	1.7	<0.5	6.7	59	<0.1	<0.1	<0.1	39	0.53	0.069
Reference Materials																				
STD DS10	Standard	15.6	154.2	138.8	351	2.0	74.9	12.6	870	2.77	45.1	89.2	8.2	71	2.6	10.0	11.8	45	1.09	0.074
STD OXC109	Standard	1.4	40.1	10.7	44	0.1	74.4	19.9	401	2.84	1.0	177.9	1.6	145	<0.1	<0.1	<0.1	49	0.75	0.097
STD DS10 Expected		14.69	154.61	150.55	352.9	1.96	74.6	12.9	861	2.7188	43.7	91.9	7.5	67.1	2.48	9.51	11.65	43	1.0355	0.073
STD OXC109 Expected												201								
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
Prep Wash																				
G1	Prep Blank																			
G1	Prep Blank	0.1	4.2	3.4	46	0.1	3.3	4.1	552	1.94	1.4	1.9	6.7	57	<0.1	<0.1	0.1	39	0.51	0.068

## QUALITY CONTROL REPORT

VAN13005028.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
REP G1	QC	16	7	0.52	167	0.135	2	0.95	0.091	0.51	0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	53	0.78	369	0.086	10	1.11	0.068	0.35	3.6	0.29	2.8	4.8	0.28	4	2.2	5.0
STD OXC109	Standard	13	59	1.46	60	0.374	1	1.60	0.703	0.42	0.2	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		17.5	54.6	0.7651	349	0.0817		1.0259	0.0638	0.3245	3.34	0.289	2.8	4.79	0.2743	4.3	2.3	4.89
STD OXC109 Expected																		
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																	
G1	Prep Blank	16	7	0.51	168	0.131	<1	0.94	0.087	0.50	0.1	<0.01	2.3	0.3	<0.05	5	<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.

<sup>A</sup>Detection limit = 1 ppm for 15g / 30g analysis.

**SECTION E: SAMPLING DATA**



Sample Type	Sample ID	Easting	Northing	Sampler	Date	Description
Rock Chip - Outcrop	781001	304114	5457535	JP	9-Nov-13	Granite with quartz veining, strong silica-chlorite-sericite alteration
Rock Chip - Outcrop	781002	304015	5457595	JP	11-Nov-13	quartz and quartz-carbonate veining. Dominant vein set 005/80W.
Rock Chip - Outcrop	781003	304125	5457540	BE	9-Nov-13	Granite quartz vein breccia with minor pyrite
Rock Chip - Float	781004	304177	5457982	BE	24-Nov-13	Tuff with 5-30mm planar quartz veining. Float at base of bluff.

Sample Type	Line	Station	Easting	Northing	Depth (cm)	Colour	Sampler	Date
B-Horizon	0	25w	304924	5458076	10	red-brown	DP	9-Nov-13
B-Horizon	0	50w	304911	5458098	15	red-brown	DP	9-Nov-13
B-Horizon	0	75w	304899	5458119	5	light-brown	DP	9-Nov-13
B-Horizon	0	100w	304886	5458141	15	light-brown	DP	9-Nov-13
B-Horizon	0	125w	304874	5458163	10	red-brown	DP	9-Nov-13
B-Horizon	0	150w	304861	5458184	20	light-brown	DP	9-Nov-13
B-Horizon	0	175w	304849	5458206	15	light-brown	DP	9-Nov-13
B-Horizon	0	200w	304836	5458228	10	red-brown	DP	9-Nov-13
B-Horizon	0	225w	304824	5458249	15	light-brown	DP	9-Nov-13
B-Horizon	0	250w	304811	5458271	10	red-brown	DP	9-Nov-13
B-Horizon	0	275w	304799	5458293	10	red-brown	DP	9-Nov-13
B-Horizon	0	300w	304786	5458314	5	light-brown	DP	9-Nov-13
B-Horizon	0	325w	304774	5458336	10	red-brown	DP	9-Nov-13
B-Horizon	0	350w	304761	5458357	30	red-brown	DP	9-Nov-13
B-Horizon	0	375w	304749	5458379	15	red-brown	DP	9-Nov-13
B-Horizon	0	400w	304736	5458401	5	red-brown	DP	9-Nov-13
B-Horizon	0	425w	304724	5458422	15	red-brown	DP	9-Nov-13
B-Horizon	0	475w	304699	5458466	10	red-brown	DP	9-Nov-13
B-Horizon	0	500w	304686	5458487	25	light-brown	DP	9-Nov-13
B-Horizon	0	525w	304674	5458509	20	grey	DP	9-Nov-13
B-Horizon	0	550w	304661	5458531	10	light-brown	DP	9-Nov-13
B-Horizon	0	575w	304649	5458552	25	light-brown	DP	9-Nov-13
B-Horizon	0	600w	304636	5458574	25	light-brown	DP	9-Nov-13
B-Horizon	100	25w	304816	5458014	5	red-brown	DP	9-Nov-13
B-Horizon	100	50w	304805	5458036	30	red-brown	DP	9-Nov-13
B-Horizon	100	75w	304793	5458058	5	red-brown	DP	9-Nov-13
B-Horizon	100	100w	304782	5458080	10	red-brown	DP	9-Nov-13
B-Horizon	100	125w	304770	5458102	15	red-brown	DP	9-Nov-13
B-Horizon	100	150w	304759	5458124	15	light-brown	DP	9-Nov-13
B-Horizon	100	175w	304747	5458147	25	brown	DP	9-Nov-13
B-Horizon	100	200w	304736	5458169	25	red-brown	DP	9-Nov-13
B-Horizon	100	225w	304725	5458191	10	red-brown	DP	9-Nov-13
B-Horizon	100	250w	304713	5458213	5	dark-brown	DP	9-Nov-13
B-Horizon	100	275w	304702	5458235	5	red-brown	DP	9-Nov-13
B-Horizon	100	300w	304690	5458257	5	brown	DP	9-Nov-13
B-Horizon	100	325w	304679	5458279	5	red-brown	DP	9-Nov-13
B-Horizon	100	350w	304667	5458301	5	red-brown	DP	9-Nov-13
B-Horizon	100	375w	304656	5458323	5	red-brown	DP	9-Nov-13
B-Horizon	100	400w	304644	5458346	5	red-brown	DP	9-Nov-13
B-Horizon	100	425w	304633	5458368	5	red-brown	DP	9-Nov-13
B-Horizon	100	450w	304621	5458390	30	red-brown	DP	9-Nov-13
B-Horizon	100	475w	304610	5458412	10	brown	DP	9-Nov-13
B-Horizon	100	500w	304598	5458434	25	brown	DP	9-Nov-13
B-Horizon	100	525w	304587	5458456	30	red-brown	DP	9-Nov-13
B-Horizon	100	550w	304575	5458478	15	light-brown	DP	9-Nov-13
B-Horizon	100	575w	304564	5458500	10	light-brown	DP	9-Nov-13

B-Horizon	100	600w	304552	5458523	10	light-brown	DP	9-Nov-13
B-Horizon	200	25w	304750	5457958	30	red-brown	DP	11-Nov-13
B-Horizon	200	50w	304726	5457976	35	brown	DP	11-Nov-13
B-Horizon	200	75w	304732	5457998	15	red-brown	DP	11-Nov-13
B-Horizon	200	100w	304719	5458019	30	red-brown	DP	11-Nov-13
B-Horizon	200	125w	304706	5458032	35	brown	DP	11-Nov-13
B-Horizon	200	150w	304690	5458052	15	red-brown	DP	11-Nov-13
B-Horizon	200	175w	304680	5458081	15	red-brown	DP	11-Nov-13
B-Horizon	200	200w	304665	5458107	45	brown	DP	11-Nov-13
B-Horizon	200	225w	304653	5458130	25	brown	DP	11-Nov-13
B-Horizon	200	250w	304642	5458153	10	brown	DP	11-Nov-13
B-Horizon	200	275w	304623	5458176	5	red-brown	DP	11-Nov-13
B-Horizon	200	300w	304611	5458197	30	red-brown	DP	11-Nov-13
B-Horizon	200	325w	304600	5458217	25	brown	DP	11-Nov-13
B-Horizon	200	350w	304590	5458240	35	grey	DP	11-Nov-13
B-Horizon	200	375w	304576	5458261	5	red-brown	DP	11-Nov-13
B-Horizon	200	400w	304562	5458280	20	red-brown	DP	11-Nov-13
B-Horizon	200	425w	304549	5458298	25	red-brown	DP	11-Nov-13
B-Horizon	200	450w	304537	5458319	25	red-brown	DP	11-Nov-13
B-Horizon	200	475w	304522	5458338	30	brown	DP	11-Nov-13
B-Horizon	200	500w	304504	5458365	35	brown	DP	11-Nov-13
B-Horizon	200	525w	304489	5458391	5	brown	DP	11-Nov-13
B-Horizon	200	550w	304474	5458419	30	brown	DP	11-Nov-13
B-Horizon	200	575w	304465	5458444	10	brown	DP	11-Nov-13
B-Horizon	200	600w	304442	5458466	10	red-brown	DP	11-Nov-13
B-Horizon	300	25w	304664	5457931	10	red-brown	DP	11-Nov-13
B-Horizon	300	50w	304656	5457948	15	red-brown	DP	11-Nov-13
B-Horizon	300	75w	304633	5457970	10	red-brown	DP	11-Nov-13
B-Horizon	300	100w	304617	5458001	5	red-brown	DP	11-Nov-13
B-Horizon	300	125w	304596	5458015	40	brown	DP	11-Nov-13
B-Horizon	300	150w	304584	5458040	5	red-brown	DP	11-Nov-13
B-Horizon	300	175w	304560	5458060	20	red-brown	DP	11-Nov-13
B-Horizon	300	200w	304557	5458076	5	red-brown	DP	11-Nov-13
B-Horizon	300	225w	304548	5458099	20	brown	DP	11-Nov-13
B-Horizon	300	250w	304534	5458121	25	light-brown	DP	11-Nov-13
B-Horizon	300	275w	304521	5458143	15	brown	DP	11-Nov-13
B-Horizon	300	300w	304508	5458163	5	brown	DP	11-Nov-13
B-Horizon	300	325w	304495	5458184	15	brown	DP	11-Nov-13
B-Horizon	300	350w	304483	5458206	5	brown	DP	11-Nov-13
B-Horizon	300	375w	304470	5458226	35	red-brown	DP	11-Nov-13
B-Horizon	300	400w	304449	5458259	30	brown	DP	11-Nov-13
B-Horizon	300	425w	304436	5458270	15	brown	DP	11-Nov-13
B-Horizon	300	450w	304427	5458296	20	red-brown	DP	11-Nov-13
B-Horizon	300	475w	304408	5458317	20	red-brown	DP	11-Nov-13
B-Horizon	300	500w	304410	5458336	10	red-brown	DP	11-Nov-13
B-Horizon	300	525w	304388	5458362	40	red-brown	DP	11-Nov-13
B-Horizon	300	550w	304374	5458390	25	red-brown	DP	11-Nov-13

B-Horizon	300	575w	304364	5458402	25	red-brown	DP	11-Nov-13
B-Horizon	300	600w	304352	5458417	20	brown	DP	11-Nov-13
B-Horizon	400	25w	304587	5457875	15	red-brown	DP	23-Nov-13
B-Horizon	400	50w	304565	5457897	15	brown	DP	23-Nov-13
B-Horizon	400	75w	304559	5457921	40	red-brown	DP	23-Nov-13
B-Horizon	400	100w	304542	5457949	60	brown	DP	23-Nov-13
B-Horizon	400	125w	304529	5457982	10	red-brown	DP	23-Nov-13
B-Horizon	400	150w	304512	5458006	15	red-brown	DP	23-Nov-13
B-Horizon	400	175w	304497	5458029	5	red-brown	DP	23-Nov-13
B-Horizon	400	200w	304489	5458044	20	brown	DP	23-Nov-13
B-Horizon	400	225w	304480	5458058	10	brown	DP	23-Nov-13
B-Horizon	400	250w	304464	5458081	10	brown	DP	23-Nov-13
B-Horizon	400	275w	304456	5458109	15	brown	DP	23-Nov-13
B-Horizon	400	300w	304443	5458127	15	brown	DP	23-Nov-13
B-Horizon	400	325w	304422	5458149	30	brown	DP	23-Nov-13
B-Horizon	400	350w	304396	5458166	20	red-brown	DP	23-Nov-13
B-Horizon	400	375w	304384	5458186	15	red-brown	DP	23-Nov-13
B-Horizon	400	400w	304373	5458206	35	red-brown	DP	23-Nov-13
B-Horizon	400	425w	304361	5458225	15	brown	DP	23-Nov-13
B-Horizon	400	450w	304350	5458245	15	red-brown	DP	23-Nov-13
B-Horizon	400	475w	304338	5458265	20	red-brown	DP	23-Nov-13
B-Horizon	400	500w	304327	5458285	30	brown	DP	23-Nov-13
B-Horizon	400	525w	304316	5458306	20	brown	DP	23-Nov-13
B-Horizon	400	550w	304294	5458328	35	brown	DP	23-Nov-13
B-Horizon	400	575w	304284	5458346	5	brown	DP	12-Nov-13
B-Horizon	400	600w	304265	5458368	40	red-brown	DP	12-Nov-13
B-Horizon	500	25w	304500	5457820	15	LB	BE	25-Nov-13
B-Horizon	500	50w	304490	5457840	25	DB	BE	25-Nov-13
B-Horizon	500	75w	304480	5457860	10	DB	BE	25-Nov-13
B-Horizon	500	100w	304460	5457890	10	DB	BE	25-Nov-13
B-Horizon	500	125w	304450	5457910	10	DB	BE	25-Nov-13
B-Horizon	500	150w	304440	5457938	20	brown	DP	25-Nov-13
B-Horizon	500	175w	304428	5457959	15	brown	DP	25-Nov-13
B-Horizon	500	200w	304415	5457981	35	brown	DP	25-Nov-13
B-Horizon	500	225w	304402	5458002	35	brown	DP	25-Nov-13
B-Horizon	500	250w	304390	5458024	45	brown	DP	25-Nov-13
B-Horizon	500	275w	304379	5458046	45	brown	DP	25-Nov-13
B-Horizon	500	575w	304175	5458298	10	brown	DP	24-Nov-13
B-Horizon	500	600w	304182	5458319	5	red-brown	DP	24-Nov-13
B-Horizon	600	25w	304421	5457799	25	red-brown	DP	24-Nov-13
B-Horizon	600	50w	304409	5457824	20	red-brown	DP	24-Nov-13
B-Horizon	600	75w	304389	5457847	30	red-brown	DP	24-Nov-13
B-Horizon	600	100w	304377	5457864	25	red-brown	DP	24-Nov-13
B-Horizon	600	125w	304357	5457892	20	brown	DP	24-Nov-13
B-Horizon	600	150w	304339	5457920	10	brown	DP	24-Nov-13
B-Horizon	600	175w	304327	5457934	20	brown	DP	24-Nov-13
B-Horizon	600	200w	304309	5457948	5	red-brown	DP	24-Nov-13

B-Horizon	600	225w	304288	5457963	5	red-brown	DP	24-Nov-13
B-Horizon	600	250w	304280	5458001	5	red-brown	DP	24-Nov-13
B-Horizon	600	275w	304265	5458030	10	brown	DP	24-Nov-13
B-Horizon	600	300w	304249	5458047	20	brown	DP	24-Nov-13
B-Horizon	600	325w	304236	5458065	5	brown	DP	24-Nov-13
B-Horizon	600	350w	304210	5458089	35	brown	DP	24-Nov-13
B-Horizon	600	375w	304211	5458111	40	brown	DP	24-Nov-13
B-Horizon	600	400w	304199	5458121	30	brown	DP	24-Nov-13
B-Horizon	600	425w	304192	5458136	5	red-brown	DP	24-Nov-13
B-Horizon	600	450w	304184	5458150	5	red-brown	DP	24-Nov-13
B-Horizon	600	500w	304177	5458166	5	red-brown	DP	24-Nov-13
B-Horizon	600	525w	304135	5458178	25	brown	DP	24-Nov-13
B-Horizon	600	550w	304110	5458182	35	brown	DP	24-Nov-13
B-Horizon	600	575w	304100	5458215	35	brown	DP	24-Nov-13
B-Horizon	600	600w	304082	5458249	25	brown	DP	24-Nov-13
B-Horizon	700	50w	304320	5457708	5	brown	BE	25-Nov-13
B-Horizon	700	75w	304312	5457726	5	brown	BE	25-Nov-13
B-Horizon	700	100w	304305	5457743	15	brown	BE	25-Nov-13
B-Horizon	700	125w	304294	5457765	5	brown	BE	25-Nov-13
B-Horizon	700	150w	304287	5457785	15	brown	BE	24-Nov-13
B-Horizon	700	175w	304270	5457811	20	dark brown	BE	24-Nov-13
B-Horizon	700	200w	304255	5457832	15	brown	BE	24-Nov-13
B-Horizon	700	225w	304244	5457855	15	brown	BE	24-Nov-13
B-Horizon	700	250w	304233	5457874	15	light brown	BE	24-Nov-13
B-Horizon	700	275w	304222	5457896	20	brown	BE	24-Nov-13
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B-Horizon	700	350w	304181	5457960	10	dark brown	BE	24-Nov-13
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B-Horizon	700	425w	304141	5458040	10	red-brown	BE	24-Nov-13
B-Horizon	700	450w	304127	5458062	5	brown	BE	24-Nov-13
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B-Horizon	800	325w	304084	5457930	5	brown	BE	24-Nov-13
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B-Horizon	1000	375w	303885	5457867	10	dark brown	BE	23-Nov-13
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B-Horizon	1000	425w	303860	5457900	10	brown	BE	23-Nov-13
B-Horizon	1000	450w	303839	5457930	20	light brown	BE	23-Nov-13
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B-Horizon	1100	350w	303860	5457794	10	light brown	BE	10-Nov-13
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B-Horizon	1200	150w	303846	5457564	15	brown	BE	10-Nov-13
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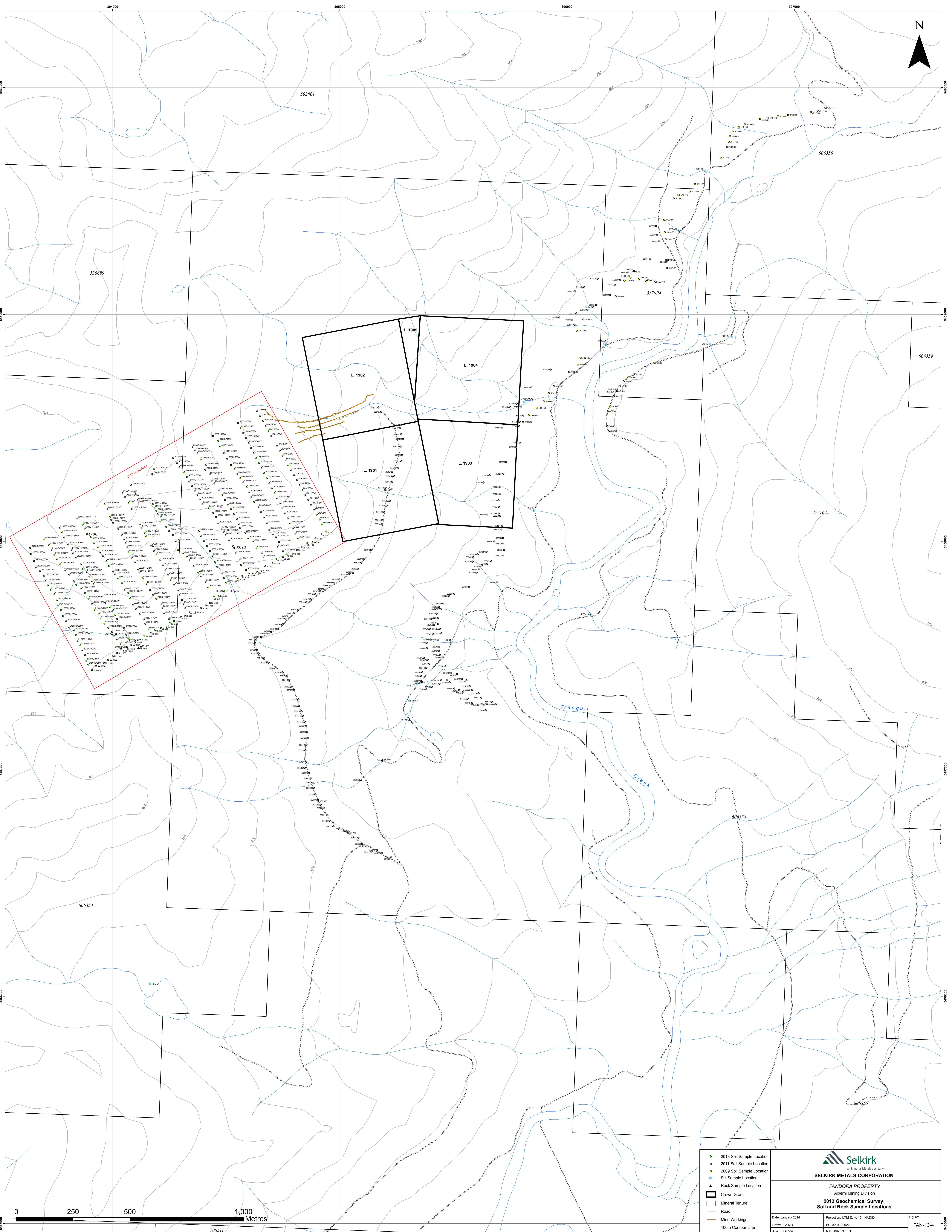
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B-Horizon	BL	125	304832	5457977	10	red-brown	DP	3-Nov-13
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B-Horizon	BL	225	304750	5457932	10	red-brown	DP	3-Nov-13
B-Horizon	BL	250	304721	5457924	10	red-brown	DP	3-Nov-13
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B-Horizon	BL	350	304634	5457868	5	red-brown	DP	3-Nov-13
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B-Horizon	BL	450	304553	5457838	10	red-brown	DP	3-Nov-13
B-Horizon	BL	500	304523	5457783	30	red-brown	DP	3-Nov-13
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B-Horizon	BL	550	304467	5457760	10	red-brown	DP	3-Nov-13
B-Horizon	BL	575	304446	5457759	10	red-brown	DP	3-Nov-13
B-Horizon	BL	600	304428	5457730	20	brown	DP	3-Nov-13
B-Horizon	BL	625	304410	5457720	5	red-brown	BE	9-Nov-13
B-Horizon	BL	650	304390	5457709	3	red-brown	BE	9-Nov-13
B-Horizon	BL	675	304365	5457691	15	brown	BE	9-Nov-13
B-Horizon	BL	700	304339	5457691	5	light brown	BE	9-Nov-13
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B-Horizon	BL	750	304301	5457670	5	brown	BE	9-Nov-13
B-Horizon	BL	775	304271	5457651	10	brown	BE	9-Nov-13



B-Horizon	BL	800	304254	5457644	10	red-brown	BE	9-Nov-13
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B-Horizon	BL	950	304120	5457570	15	brown	BE	9-Nov-13
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B-Horizon	BL	1100	304001	5457496	25	dark brown	BE	9-Nov-13
B-Horizon	BL	1125	303980	5457480	30	brown	BE	9-Nov-13
B-Horizon	BL	1150	303961	5457467	10	brown	BE	9-Nov-13
B-Horizon	BL	1175	303927	5457454	20	brown	BE	9-Nov-13
B-Horizon	BL	1200	303910	5457435	15	dark brown	BE	9-Nov-13

**SECTION F: ILLUSTRATIONS**

	<b>Plan Number</b>	<b>Title</b>	<b>Scale</b>
	FAN-13-1 (after p. 3)	BC Location Map	1:8,000,000
	FAN-13-2.3 (after p. 3)	General Location Map	1:250,000
	FAN-13-3.3 (after p. 3)	Claim Tenures	1:50,000
	FAN-13-4 (in pocket)	2013 Geochemical Survey: Soil and Rock Sample Locations	1:5 000
	FAN-13-5 (in pocket)	2013 Geochemical Survey: Soil Samples (2009, 2011 & 2013) – Au (ppb)	1:5 000
	FAN-13-6 (in pocket)	2013 Geochemical Survey: Soil Samples (2009, 2011 & 2013) – As (ppm)	1:5 000
	FAN-13-7 (in pocket)	2013 Geochemical Survey: Soil Samples (2009, 2011 & 2013) – Cu (ppm)	1:5 000
	FAN-13-8 (in pocket)	2013 Geochemical Survey: Soil Samples (2009, 2011 & 2013) – Pb (ppm)	1:5 000



- 2013 Soil Sample Location
- 2011 Soil Sample Location
- 2009 Soil Sample Location
- Silt Sample Location
- ▲ Rock Sample Location
- ▭ Crown Grant
- ▭ Mineral Tenure
- Road
- Mine Workings
- 100m Contour Line



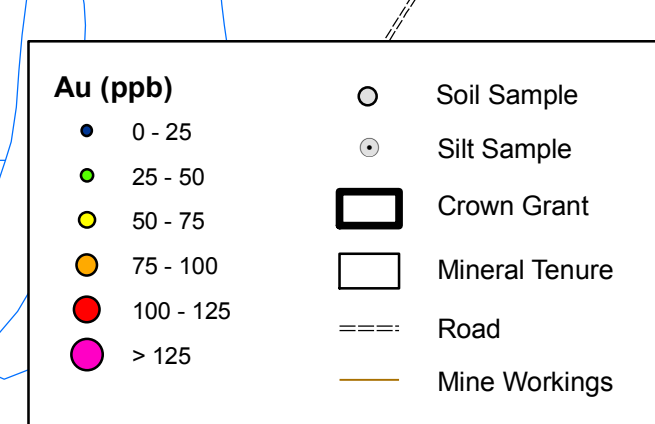
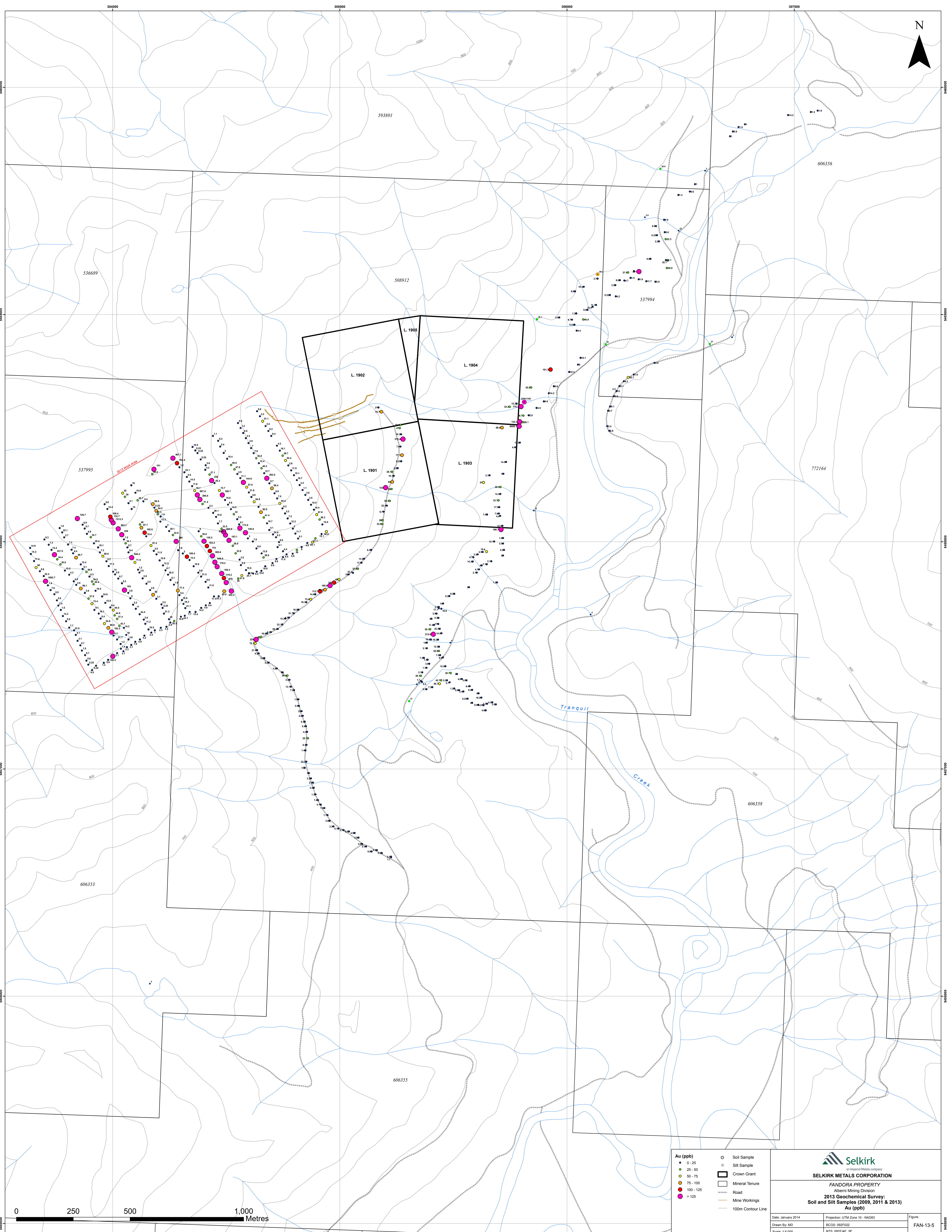
FANDORA PROPERTY  
 Alberta Mining Division

2013 Geochemical Survey:  
 Soil and Rock Sample Locations

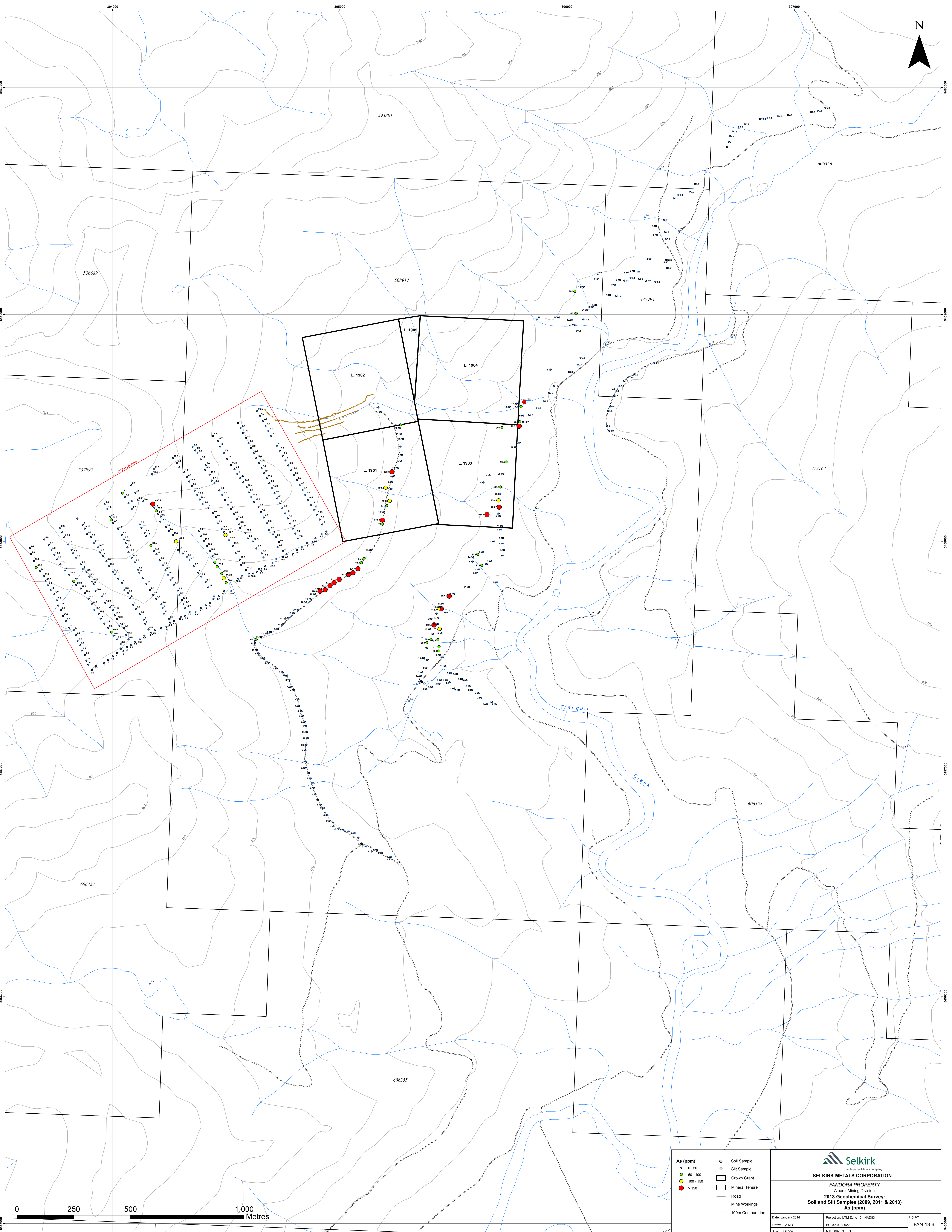
Date: January 2014  
 Drawn By: MD  
 Scale: 1:5,000

Projection: UTM Zone 10 - NAD83  
 BCGS: 092F022  
 NTS: 092E4E, 5E

Figure:  
 FAN-13-4

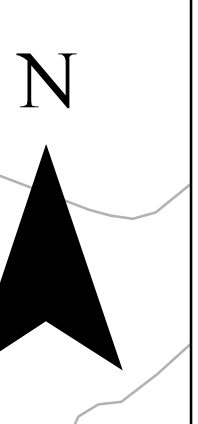
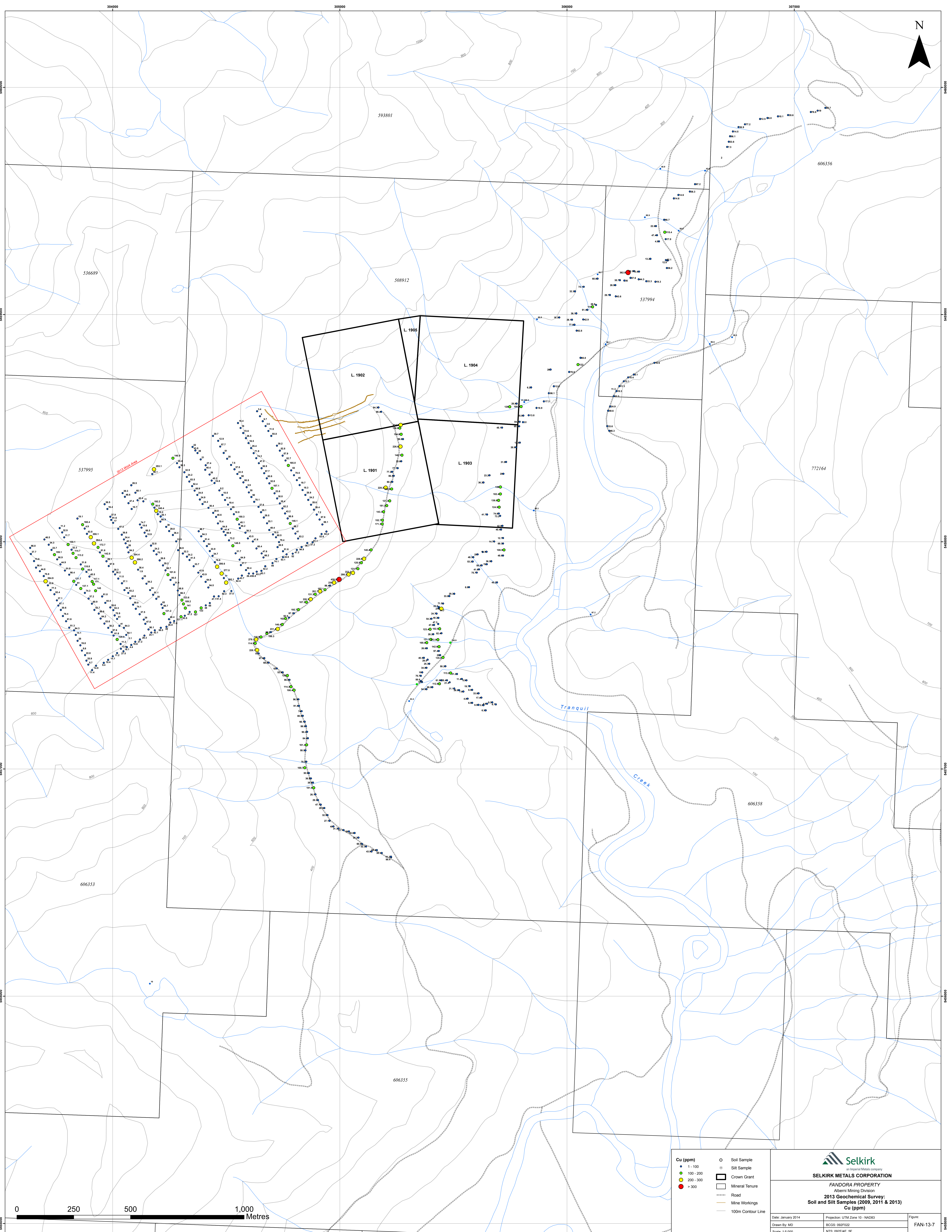


<p align="center"><b>SELKIRK METALS CORPORATION</b> an Imperial Metals company</p>			
<p align="center"><b>FANDORA PROPERTY</b> Alberni Mining Division</p>			
<p align="center"><b>2013 Geochemical Survey: Soil and Silt Samples (2009, 2011 &amp; 2013)</b></p>			
<p align="center"><b>Au (ppb)</b></p>			
Date: January 2014	Projection: UTM Zone 10 - NAD83	Figure:	
Drawn By: MD	BCGS: 092F022	FAN-13-5	
Scale: 1:5,000	NTS: 092E4E, SE		




As (ppm)	Symbol	Sample Type
0 - 50	Blue dot	Soil Sample
50 - 100	Green dot	Silt Sample
100 - 150	Yellow dot	Soil Sample
> 150	Red dot	Silt Sample

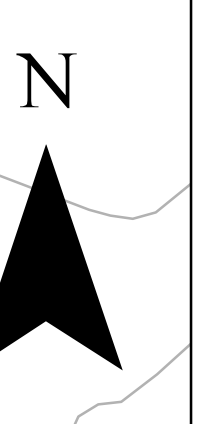
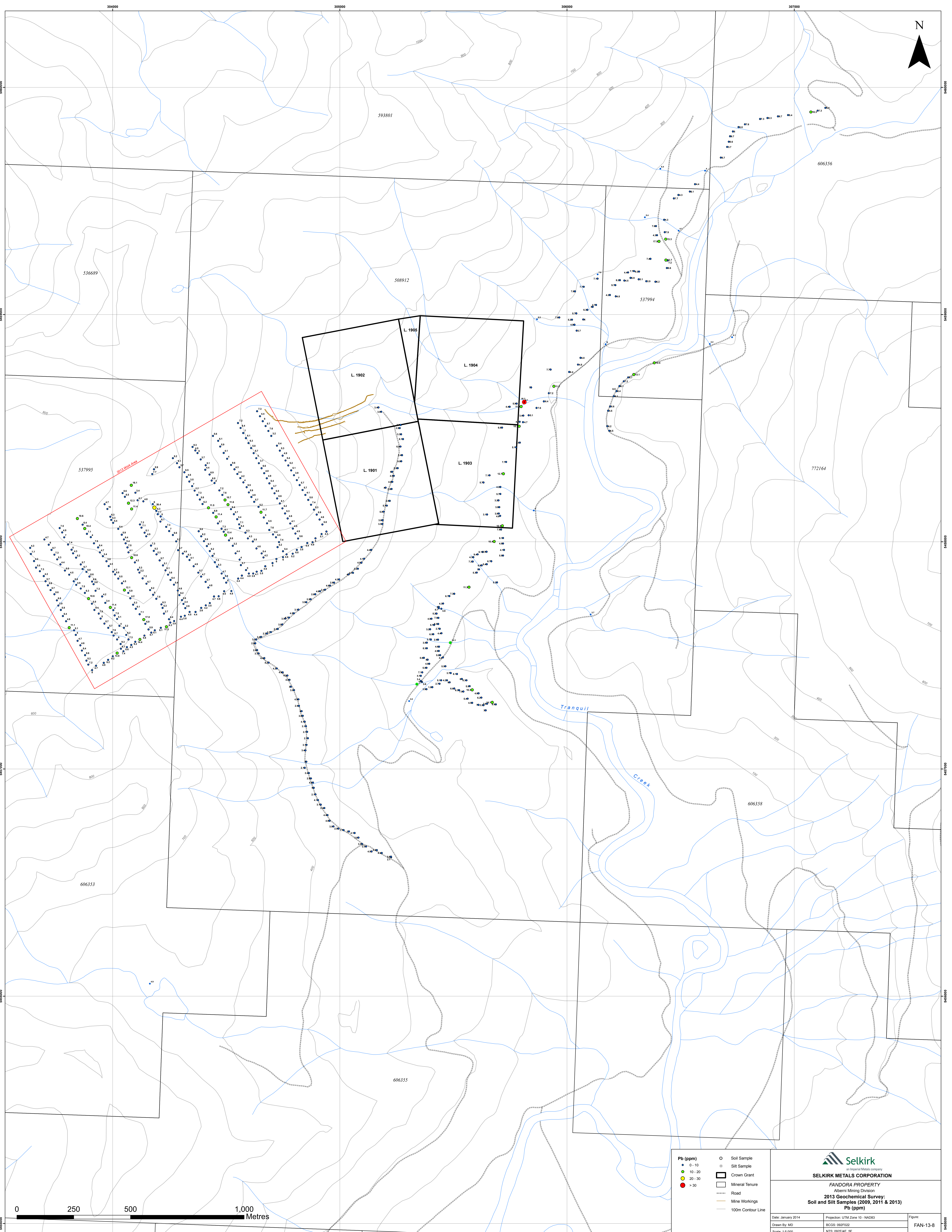
<p><b>Selkirk</b> an Imperial Metals company</p> <p><b>SELKIRK METALS CORPORATION</b></p> <p>FANDORA PROPERTY Alberni Mining Division</p> <p><b>2013 Geochemical Survey: Soil and Silt Samples (2009, 2011 &amp; 2013) As (ppm)</b></p>		<p>Date: January 2014 Drawn By: MD Scale: 1:5,000</p>	<p>Projection: UTM Zone 10 - NAD83 BCGS: 092F022 NTS: 092E4E, 5E</p>	<p>Figure: FAN-13-6</p>
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- Cu (ppm)**
- 1-100
  - 100-200
  - 200-300
  - >300
- Soil Sample
  - Silt Sample
  - ▭ Crown Grant
  - ▭ Mineral Tenure
  - Road
  - Mine Workings
  - 100m Contour Line

  
**SELKIRK METALS CORPORATION**  
 an Imperial Metals company  
**FANDORA PROPERTY**  
 Alberni Mining Division  
**2013 Geochemical Survey:  
 Soil and Silt Samples (2009, 2011 & 2013)  
 Cu (ppm)**

Date: January 2014	Projection: UTM Zone 10 - NAD83	Figure:
Drawn By: MD	BCGS: 092F022	FAN-13-7
Scale: 1:5,000	NTS: 092E4E, SE	



- Pb (ppm)**
- 0 - 10
- 10 - 20
- 20 - 30
- > 30
- Soil Sample
- ⊙ Silt Sample
- ▭ Crown Grant
- ▭ Mineral Tenure
- Road
- Mine Workings
- 100m Contour Line

 <b>SELKIRK METALS CORPORATION</b> an Imperial Metals company		<b>FANDORA PROPERTY</b> Alberni Mining Division <b>2013 Geochemical Survey:</b> <b>Soil and Silt Samples (2009, 2011 &amp; 2013)</b> <b>Pb (ppm)</b>
Date: January 2014 Drawn By: MD Scale: 1:5,000	Projection: UTM Zone 10 - NAD83 BCGS: 092F022 NTS: 092E4E, 5E	
		Figure: <b>FAN-13-8</b>