



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: 2012 Geological and Geochemical Assessment Report on the FOREMORE PROPERTY**

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AUTHOR(S): Mike Middleton  
SIGNATURE(S):

A handwritten signature in black ink, appearing to read "Mike Middleton", enclosed in a light grey rectangular box.

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):  
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YEAR OF WORK: 2012

PROPERTY NAME: Foremore

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392632, 392641, 392642, 392643, 392644, 92645, 392646, 392647, 392648, 392649, 392650, 392651, 392652, 392655,  
392656, 392657, 392658, 392659, 392660, 393458, 393459, 393460, 393461, 393462, 393463, 393464, 393465, 393466,  
393467, 393468, 393469, 395889, 395890, 395891, 400284, 400285, 400286, 400287, 400288, 400294, 400295, 400296,  
400297, 400298, 400299, 400300, 406128, 406129, 406130, 537084, 537085, 537086, 537207, 537208, 540082, 540083,  
904240, 904242, 926657, 926658

COMMODITIES SOUGHT: Pb, Zn, Ag, Au, Cu.

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Liard Mining Division

NTS / BCGS: NTS 104G/2, 3; 104B/14, 15

LATITUDE: 57° 03'

LONGITUDE: 130° 55' (at centre of work)

UTM Zone: 9-U EASTING: UTM 383,785m E NORTHING: 6,326,997m N

OWNER(S): CJL Enterprises Ltd

MAILING ADDRESS: PO Box 662, 3176 Tatlow Road, Smithers, BC, V0J 2N0

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REPORT KEYWORDS Vein and stratiform lead-zinc-silver-gold mineralization. Sedex-shallow marine VMS deposits Trenching. Prospecting.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Barnes, D.R. (1989): Assessment Report Geological – Geochemical Report Foremore Group; British Columbia Ministry of Energy and Mines Assessment Report # 19,379.

Gunning, D.R. (1995): Report on the Antler Property; British Columbia Ministry of Energy and Mines Assessment Report # 24,076.

Holroyd, R.W. (1989): Foremore Property Assessment Report on Geophysical Surveys 1989; British Columbia Ministry of Energy and Mines Assessment Report # 19,380.

Holroyd, R.W. (1992): Foremore Property 1992 Assessment Report on Geophysical Surveys; British Columbia Ministry of Energy and Mines Assessment Report # 22,614.

BC Geological Survey  
Assessment Report  
34049

**2012 Geological and Geochemical Assessment Report  
on the  
FOREMORE PROPERTY**

More Creek Area  
Liard Mining Division  
NTS 104G/2, 3; 104B/14,15  
57° 03' N Latitude  
130° 55' W Longitude

Prepared by:

Mike Middleton

Operator:

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490-1122 Mainland Street  
Vancouver, BC, V6B 5L1

Owner:

L.B. Warren

December 2012

## SUMMARY

This report describes fieldwork carried out on the Foremore Property in 2012. The work focused on the More Creek Rhyolite horizon, located along the More Creek valley. The objective of the 2012 work program was to channel sample and analyse the mineralization for gold-rich volcanic hosted massive sulphide potential.

The Foremore property covers 155 km<sup>2</sup> in the Coast Range Mountains of north western British Columbia approximately 120 kilometres NNW of Stewart, B.C. The property is accessible by helicopter from the Bob Quinn airstrip, which lies 46 kilometres to the east along all-weather Highway 37.

Previously, exploration on the Foremore property consisted of geological mapping, rock, soil and stream sediment sampling, ground geophysics and diamond drilling programs. The property host numerous mineral deposit types, the most economically significant being gold-rich volcanic hosted massive sulphide (VHMS). Four of the more promising VHMS showings on the property were channel sampled for a total of 90 meters of samples.

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## **1.0 INTRODUCTION**

This report describes fieldwork carried out on the Foremore Property in late August through early September of 2012. The focus of this work was to re-examine the volcanic hosted massive sulphide potential along the More Creek Valley. Historic diamond drill hole data and known VMS deposits were compared with recent channel samples to help understand the relationship between the surface expression on the Foremore project and the hidden potential on the property.

## **2.0 PROPERTY DESCRIPTION AND LOCATION**

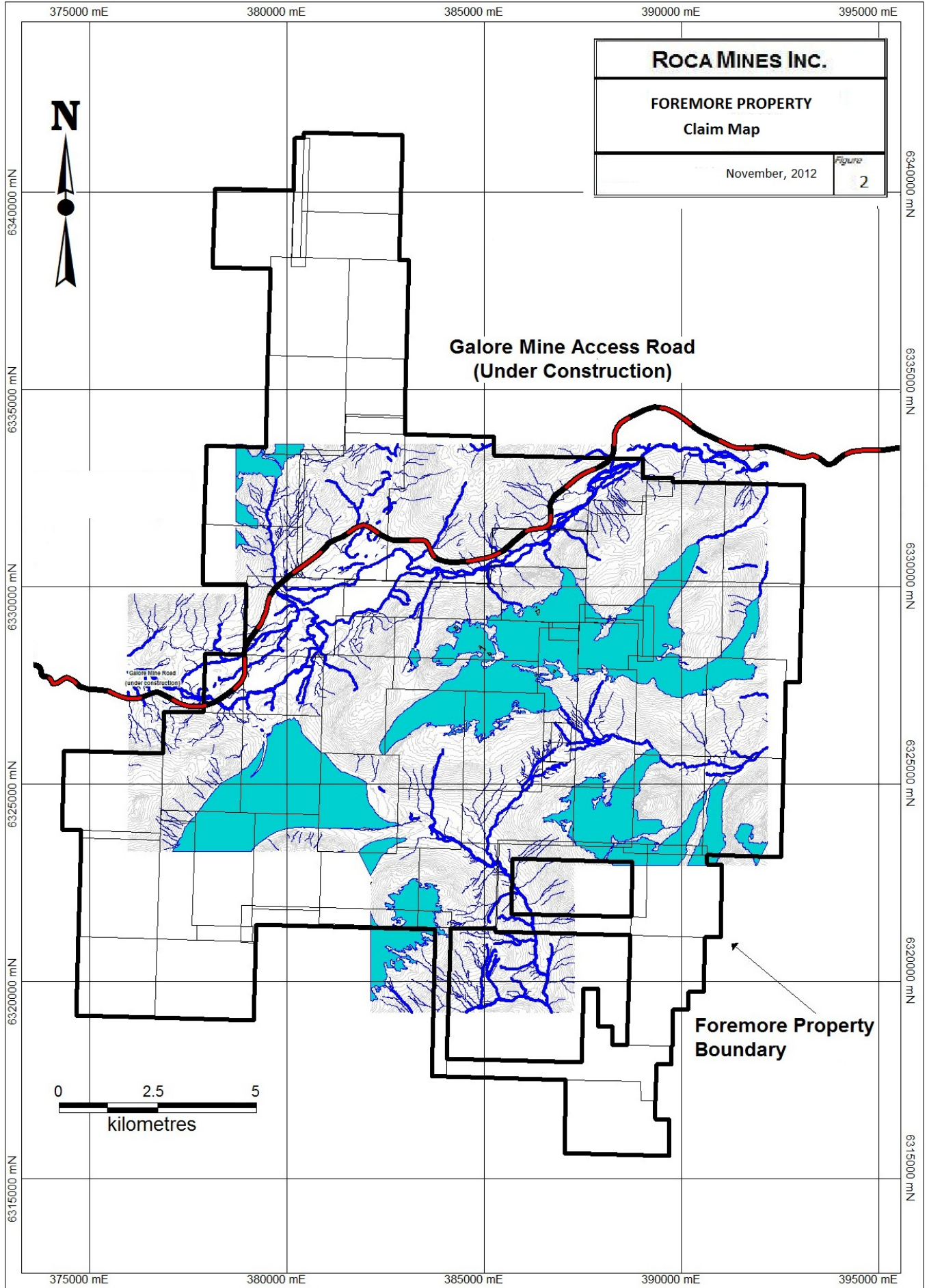
The Foremore property is accessible by helicopter from the Bob Quinn airstrip, located 46 kilometres east along Highway 37 and is suitable for fixed wing aircraft up to and including small passenger and cargo jets. The centre of the property is at 57°03' north latitude and 130° west longitude (Figure 1). The Bob Quinn airstrip lies approximately 410 kilometres by road north from Smithers, B.C., which has commercial jet airliners service daily from Vancouver. The Eskay Creek Mine access road lies approximately 55 kilometres to the southeast of the property.

The Foremore property is located in the headwaters of More Creek, is largely above treeline, and is approximately 50% covered by glaciers and permanent snowfields. Elevations range from 910 m on More Creek to 2,100 m at the western margin of the property.

Vegetation consists mainly of spruce and alder on the slopes of More Creek and in the lower reaches of the Hanging Valley, with alpine vegetation at higher altitudes. Non-vegetated glacial morainal material covers much of the property.

The property comprises of 73 contiguous mineral claims totalling 28,680 hectares in the Liard Mining Division (Figure 2). A list of claims is included in Appendix A.







### 3.0 PROPERTY HISTORY

The history of exploration work on the Foremore Property has been detailed by Harris (2002), and further by Sears (2004), and Sears and Watkins (2005). Significant in the early history of the property was the discovery, in 1987, by Cominco Ltd, of two sulphide-rich boulder fields in moraines of the More Glacier, the North and South boulder fields. Work by Cominco to locate the source of the mineralized boulders included ground geophysical surveys and 2,011 metres of drilling in 6 holes collared on ice of the More Glacier. Cominco allowed the mineral claims to revert back to the Crown. In 1999, Lorne Warren staked the initial Foremore Property mineral claims.

In 2002, Roca optioned the Foremore Property and staked additional mineral claims. Equity Engineering Ltd. of Vancouver was contracted to carry out a program of mapping, prospecting and geochemical sampling on the Property followed with a NI 43-101 compliant report (Harris, 2002).

In 2003, Roca cored 11 drill holes in 1,121 metres (Sears, 2004).

In 2004, Roca carried out property scale prospecting, ground geophysical surveys and cored 37 drill holes totalling 5,900 metres (Sears and Watkins, 2005).

In 2005, Roca cored 4 drill holes totalling 2,033 metres and completed geological mapping, rock and soil sampling surveys (Watkins and Melling, 2005). In August 2005, a 700 line kilometre helicopter supported airborne magnetometer and electromagnetic survey was flown over 50% of the Property (McPhar, 2005). The integration of new and historic data into the MapInfo platform was initiated.

In late August 2006, the Property was flown for orthophotography.

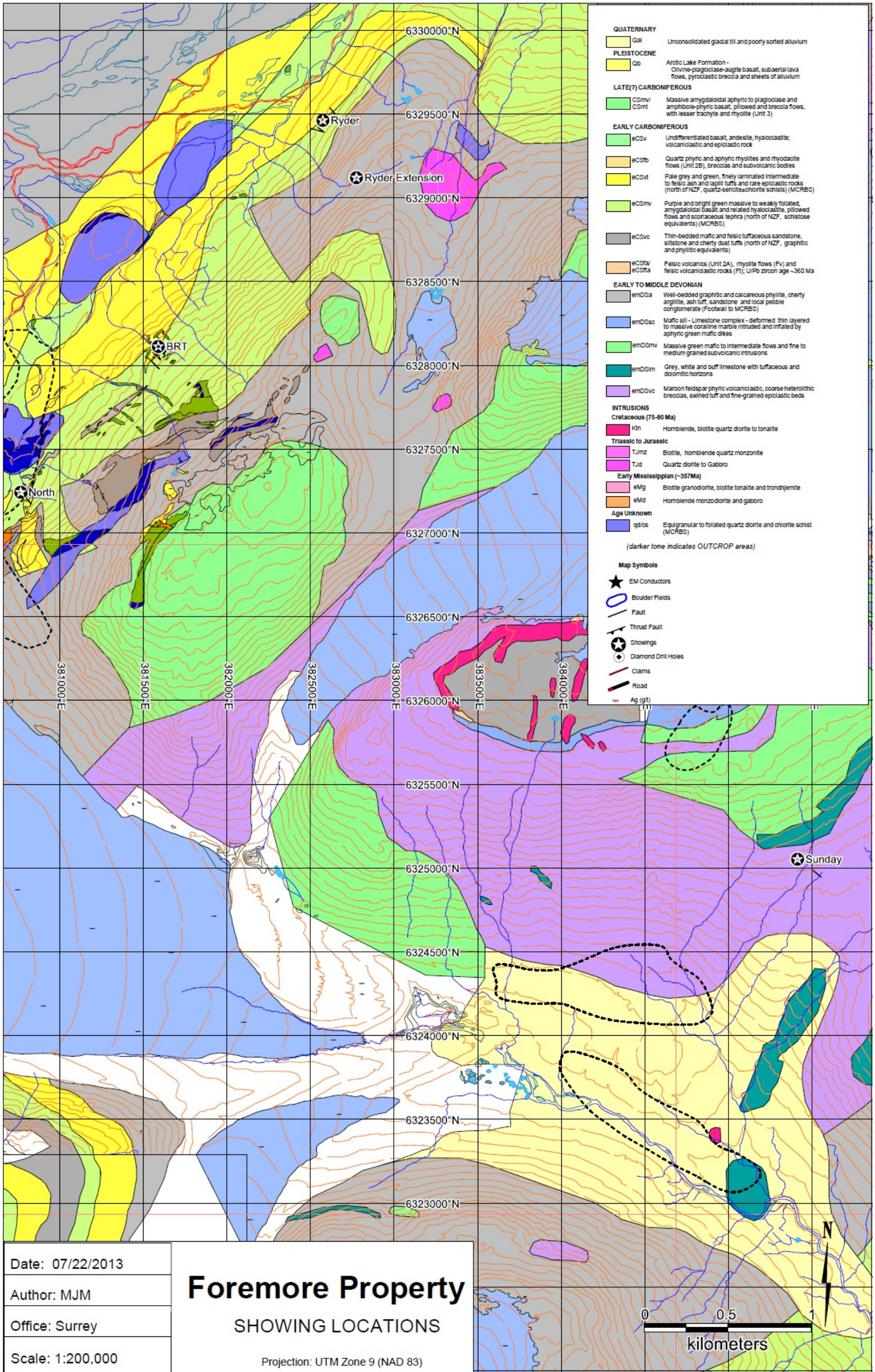
In 2007, Roca carried out a detailed mapping program in the Hanging Valley. A total of 149 rock and 231 soil samples were submitted for chemical analysis (Watkins and Melling, 2007).

## 4.0 PROPERTY GEOLOGY

The Property is underlain by Stikine Terrane rocks comprising Paleozoic and Mesozoic volcanic island arc successions. Like other exotic terranes that make up the Canadian Cordillera, the Stikine Terrane is believed to have originated offshore as a volcanic arc complex. The volcanic rocks that underlie much of the property likely represent the earliest stage of island arc formation. By Late Devonian time the arc was mature and thick enough to allow for the formation of plutons.

Exposed over much of the property (Figure 3) is a primitive calcalkaline suite of volcanic and sedimentary rocks that range in age from Early Devonian to mid Carboniferous. Intruding the stratified rocks along the southeast side the property is the More Creek Batholith. Unconformably overlying the Paleozoic rocks are remnants of Mesozoic volcanoclastic rocks.

At least three phases of deformation have affected the rocks on the property (Logan, 2002). The oldest deformation is characterized by isoclinal folds and thrust faults with a relatively flat-lying foliation that is axial planar to these early structures. The second deformation phase comprises folded bedding and the early foliation about open, northwest-trending and southeast plunging folds. The third phase structures are characterized by low amplitude east-trending folds that crenulate earlier foliations. The Paleozoic rocks underlying much of the property have been metamorphosed to the lower greenschist facies.



Date: 07/22/2013

Author: MJM

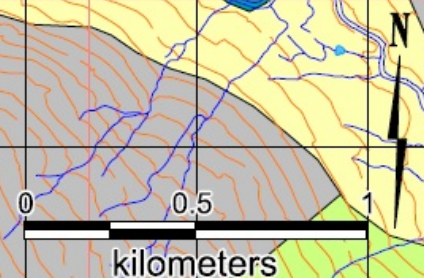
Office: Surrey

Scale: 1:200,000

# Foremore Property

## SHOWING LOCATIONS

Projection: UTM Zone 9 (NAD 83)



## 5.0 VMS ORE DEPOSIT POTENTIAL

Roca has identified two favorable stratigraphic intervals on the property that have the potential to host VMS ore deposits, as shown on Figure 3; both are rhyolitic and have associated polymetallic, sulphide-rich mineralization.

The most significant is the More Creek Rhyolite, shown in detail in Figure 11, identified in wide spaced and relatively deep, vertical diamond drill holes collared at the lower slopes on the southeast side of More Creek Flats. Overlying the rhyolite is a variably altered, and locally mineralized, unit of basalt that ranges in thickness from about 50 meters to greater than 200 meters. Conformably overlying the basalt is a thick sequence of intercalated black argillite and heterolithic, commonly thick bedded, fine to coarse wackes. It is interpreted that the More Creek Rhyolite is of the Early Devonian basement sequence.

The rhyolite has been followed for over 3.5 kilometers along strike and dips gently to the southeast. Its thickness exceeds 250 meters as seen in two drill holes, FM04-33 and -36.

The mineralization in the More Creek Rhyolite occurs at two stratigraphic levels: One is related to the top contact of the rhyolite and includes the North, BRT and Ryder surface showings; the second is located at depth, within the rhyolite. The BRT showing occurs at the top of the More Creek Rhyolite unit in contact with overlying basalt. Mineralization consists of banded semi-massive to massive sphalerite, galena, pyrite and lesser chalcopyrite. Channel samples across the mineralized zone returned values of 2.19g/t Au, 71.35g/t Ag, 0.74% Zn, 0.55% Pb and 0.11% Cu over 8.0 meters.

The top contact of the More Creek Rhyolite in hole FM04-33 (for example) includes four semi-massive to massive sulphide intersections that represents a 2.35 meter thick, dyke intruded, sulphide-rich layer that averages 1.35% Cu, 0.19% Pb, 2.72% Zn, 59g/t Ag and 0.58g/t Au. In addition, hole FM-04 intersected 2.10m. of massive sulphide that averaged 0.25%Cu, 1.69% Pb, 7.59% Zn, 1561 g/t Ag and 22.19g/t Au.

At depth within the More Creek Rhyolite, wide zones of anomalous metal values have been intersected. For example, in hole FM04-32, wide intervals of anomalous base and precious metals occur throughout the hole that includes 0.80 m that assayed 2.22% Cu, 1.28% Pb, 8.64% Zn, 85g/t Ag and 26.5g/t Au.

A summary of selected assay results from various trenched, outcrop and drill intervals from the North, BRT and Ryder showings is provided in Tables 1 and 2.

It should be noted that the North Boulder Field lies in the vicinity of sub-cropping More Creek Rhyolite. The boulder field contains two types of sulphide mineralized boulders; twenty-nine sphalerite-rich samples have an averaged assay of 10.2% Zn,

3.5% Pb, 0.22% Cu, 96g/t Ag and 1.0g/t Au. Twelve chalcopyrite-rich samples averaged 2.3% Cu, 6.2% Zn, 0.5% Pb, 186g/t Ag and 1.5g/t Au. Roca believes the mineralized boulders originated from sulphide-rich lenses hosted somewhere in the nearby More Creek Rhyolite.

Comparisons to Myra Falls are compelling given that the upper deposits at Myra were known to be smaller and have significant precious metal values. As further illustration of its size and location, Figure 10 provides a 3D perspective view highlighting the three primary VMS showings and the footprint of the More Creek Rhyolite.

## **6.0 GEOLOGY OF THE MORE CREEK FLATS AREA**

The surface geology of the More Creek Flats area is shown on Figure 3. More Creek Flats is underlain by the oldest rocks in the district, probably Early Devonian, and primarily comprised of poly-deformed felsic and mafic volcanic schists and meta-sedimentary sequences intruded by subvolcanic diorite and gabbroic bodies. .

The mineralization in the More Creek Flats area is hosted by a 300 m thick sequence of rhyolite-rich volcanoclastic rocks and includes a number of intercalated basalt flows and sills. The geological interpretation is based primarily on nine widely spaced, deep, vertical drill holes collared on the hillside above More Creek Flats. Three of the holes, FM05-39, 40 and 41, were drilled in 2005, and six of the holes, FM04-28, 32, 33, 35, 36 and 37, were drilled in 2004. Recent channel sampling on the Ryder, BRT and North Showings is used to compliment the mineralized styles found in diamond drill core. Bedrock exposures on the valley floor are limited to scattered outcrops in the southwest part of the area shown in. Rare bedrock exposures exist on the valley floor in the northeast part of the mapped area and the interpreted geology here is taken primarily from a ground magnetometer survey (Visser 2004). This stratigraphy sequence strikes northeast for a distance of greater than 5 kilometers, dips fairly consistently at a shallow angle to the southeast and is interpreted to underlie all of More Creek Flats.

A pervasive northeast striking, shallow southeast dipping penetrative fabric (S1) has affected all the stratified rocks in the More Creek Flats area. This S1 fabric is, at least in part, conformable with the stratified rocks, however the possibility exists that the stratigraphic sequence is isoclinally folded and the shallow dipping fabric is axial planar to these early structures. This penetrative fabric is accentuated by the VMS-related alteration with the formation of strong schist zones. Chlorite, sericite and talc characterise the alteration mineralogy of the basalt; sericite and quartz, with lesser chlorite and talc, characterize the felsic volcanic rocks. Wide intervals of pyrite-rich quartz-sericite schists, with or without base and precious metal mineralization, are present within the rhyolite. Relatively small sericite-rich zones, in part carrying base and precious metal, are present in the basalt.

## **6.1. MORE CREEK RHYOLITE**

The More Creek Rhyolite is in the order of 300 m thick. It is not well exposed on surface, with outcrops restricted to the lower slopes above More Creek Flats, and as scattered outcrops located on the valley floor. The best exposures of the rhyolite are seen in a series of deep vertical drill holes collared above the Flats.

The More Creek Rhyolite is a poorly sorted sequence of volcanoclastic rocks primarily consisting of lapilli tuff, lapilli stone and coarse to fine grained tuff, which is heterolithic with felsic (rhyolite) clasts dominating and displaying different degrees of hydrothermal alteration. Other clast lithologies present include chlorite and talc altered basalt, pyrite-rich lapilli, and minor argillite.

In the More Creek Flats area there appears to be a gross, large scale grading of the volcanoclastic sequence within the More Creek Rhyolite. Coarser clastic, thick bedded and unsorted volcanoclastic rocks are more evident toward the northeast end of the Flats; and more tuffaceous, thinner bedded, with an increase in beds of argillite, appear to dominate toward the southwest end of the Flats. Massive rhyolite has been logged in drill hole FM04-28, collared at the northeast end of the area and less massive looking rhyolite in hole FM04-32. There may be a similar gross grading in the vertical sense with coarse volcanoclastic rocks more evident at the top of the sequence, and more bedded felsic tuff and argillite appearing at depth.

The More Creek Rhyolite sequence consists of numerous subaqueous pyroclastic flows formed by explosive volcanism with fragment size and bed thickness commonly, but not always, decreasing down flow. Massive rhyolite, perhaps dome related, is present in drill hole FM04-28, and generally would not be expected to extend far from the source vents. Within the More Creek Rhyolite there is a change in the clastic nature of the rhyolite with vent-proximal coarse clastic and massive rhyolite facies seen in the northeast sector of More Creek Flats, and grading to the finer grained, bedded tuffs with argillite, representing a more distal or basinal facies to the southwest.

## **6.2. MORE CREEK BASALT**

Basalt consisting of subaqueous flows is exposed continuously along the lower slopes above More Creek Flats and can be followed to the southwest to include a large outcrop area at the front of the More Glacier, and beyond. The same basalt is seen in most holes drilled on the hill side above the Flats. Other units of basalt are present within the More Creek Rhyolite sequence. Primary textures present in the basalt include amygdules, thick hyaloclastite-rich intervals, flow and pillow breccias, and pillowed lava. Thick massive basalt intervals are interpreted to be proximal to their eruptive source. Not uncommon in the basalt are intervals of massive and poorly bedded chert. Rare, thin, and fine bedded interflow sediments are present. The basalt, when strongly altered, can take on a strong penetrative fabric to form schist zones.

Intervals of talc schist, chlorite schist and sericite schist are found within the basalt units and may be reflecting primary VMS-related alteration.

An important feature seen in the basalt units hosted within the More Creek Rhyolite is their apparent marked changes in stratigraphic thickness. The thinning-thickening seen in the basalt units may indicate the presence of fault controlled topographic relief in the rhyolite sequence, that would have hindered the spread and deposition of the basalt flows.

Intersected in one drill hole, FM04-37, are a number of massive, fine to medium grained, magnetic, gabbroic bodies. These bodies, at least in part, are sill-like in form as seen in two low profile hills on the valley floor. They are interpreted to be synvolcanic intrusions and are probably related genetically to the basalt flows.

### **6.3. SEDIMENTS**

Overlying the More Creek rhyolite / basalt is a sequence of unknown total thickness consisting primarily of bedded and siliceous argillite, in places strongly graphitic. Present within this argillite sequence are thin to very thick beds of unsorted, heterolithic, coarse volcanoclastic tuff and lapilli stone that carry massive pyrite lapilli. These volcanoclastic beds are interpreted to be debris flows originating from a distant felsic and mineralized volcanic source area. The sedimentary unit is well exposed forming the steep cliff faces, along the lower slopes above More Creek Flats.

Holes drilled by Cominco, in 1990, near the toe of the More Glacier tested a number of electromagnetic (EM) anomalies that turned out to be graphite-rich beds hosted in an argillite-rich sequence. It is now apparent that these holes intersected the contact zone lying between the sediments and the first basalt at the top of the More Creek Rhyolite. If these holes had been drilled to greater depths they would have entered the More Creek Rhyolite.

### **6.4. VMS MINERALIZATION AND ASSOCIATED ALTERATION**

Sulphide mineralization at More Creek Flats is classified as volcanogenic massive sulphide (VMS), formed by processes directly connected with volcanism. Ores in VMS settings are primarily won from massive sulphide to semi-massive sulphide (MS-SMS) bodies that formed directly on the seafloor and/or as replacement bodies formed close to the seafloor. Nearby stringer, or stockwork mineralization, is commonly copper-rich and occupies parts of the hydrothermal conduit that leads to massive sulphide bodies. The initial shapes of the sulphide bodies can take any form, however with the strong penetrative S1 fabric that characterizes the altered volcanic rocks of More Creek Flats, a strong structural control on the shape and the distribution of significant mineralization is to be expected. Such bodies could be dismembered and pulled apart, or they could be remobilized into the hinges of folds and fault zones.

The sulphide mineralization seen in the More Creek Flats area is typical of many VMS deposit settings. Pyrite dominates with lesser sphalerite, chalcopyrite and galena, bornite is present, free gold and electrum are not uncommon. The pyrite has been recrystallized and is commonly set in a ground massive of quartz and sericite. In some massive sulphide intervals the pyrite is very fine grained and does not appear to have been recrystallized. Banding is present in massive and in semi-massive sulphide sections and could reflect primary depositional features seen in true exhalative ores.

The sulphide mineralization in the More Creek Flats area is hosted primarily in volcanoclastic rocks of the More Creek Rhyolite and, to a lesser extent, in basalt flows. The sulphide mineralization takes on a number of styles occurring as (1) wide sections of disseminated pyrite host in the More Creek Rhyolite, as (2) smaller zones of pyritic mineralization hosted in basalt, as (3) bodies of massive to semi-massive sulphides, and as (4) massive pyrite-rich clasts hosted in volcanoclastic rocks.

- (1) Within volcanoclastic rocks of the More Creek Rhyolite, wide sections of disseminated pyrite mineralization have been cut in drill holes. Hosted within these pyritic zones are wide intervals containing very anomalous and significant base and precious metal mineralization. The best example of a wide interval of pyrite-rich mineralization is seen in drill hole FM05-40 with nearly continuous pyrite mineralization for 260 m. If these large sulphide mineralized zones outcropped large gossans would have formed that would have attracted mine finders early in the mine exploration history of the district.
- (2) Smaller zones of pyritic mineralization hosted in basalt, with or without base and precious metal values, are hosted within the basalt flows of which the North showing is the best example. Mineralization at the North showing consists of thin foliation parallel disseminated and lenses of pyrite, sphalerite and galena. Basalt hosted mineralization is interpreted to be following permeable hyaloclastite-rich beds intercalated in the massive basalt flows.
- (3) Bodies of massive to semi-massive sulphides (MS-SMS) are present on surface and are intersected in a number of drill holes in the BRT showing area, near the Ryder showing area, in deep drill holes in the Ryder Extension area and occurring as boulders in the North Boulder Field.

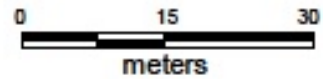
The **BRT showing** occurs at the top of the More Creek Rhyolite in contact with overlying basalt. Mineralization at the BRT showing consists of banded semi-massive to massive sphalerite, galena, pyrite and less chalcopyrite. Logan (2003) believes the sulphide bed has been significantly thickened in a shallow, southeast-plunging fold. 50 Channel samples (Figure 5) across the sulphide mineralization returned:

0.73% Cu, 0.94% Pb, 6.34% Zn, 190 g/t Ag and 2.75 g/t Au over 2.05 m,

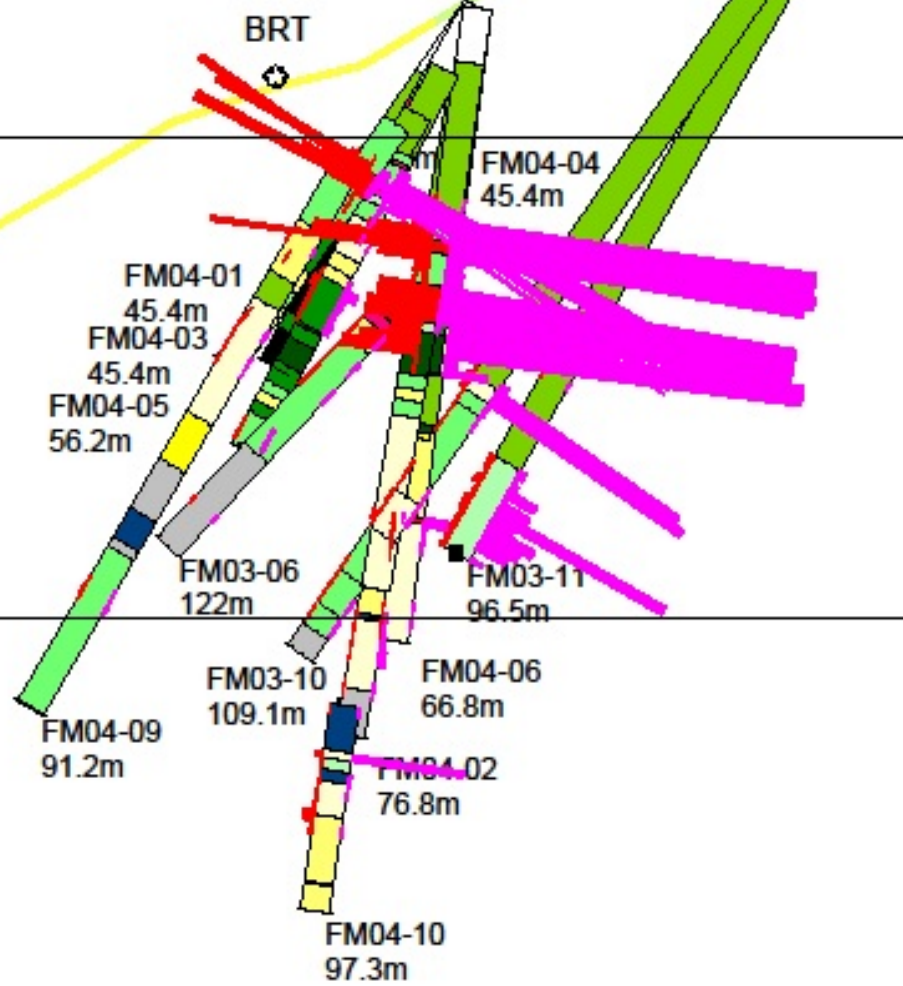


0.11% Cu, 4.27% Pb, 9.52% Zn, 162 g/t Ag and 2.03 g/t Au over 2.80 m, and  
0.41% Cu, 2.13% Pb, 1.33% Zn, 276 g/t Ag and 1.33 g/t Au over 4.30 m.

A number of drill holes have tested the BRT showing area (Sears, 2004). In the immediate area of the showing the basalt - rhyolite contact can be followed down dip and along strike in the drill holes (Figure 4).



1,200mRL



1,100mRL

Date: 07/22/2013

Author: MJM

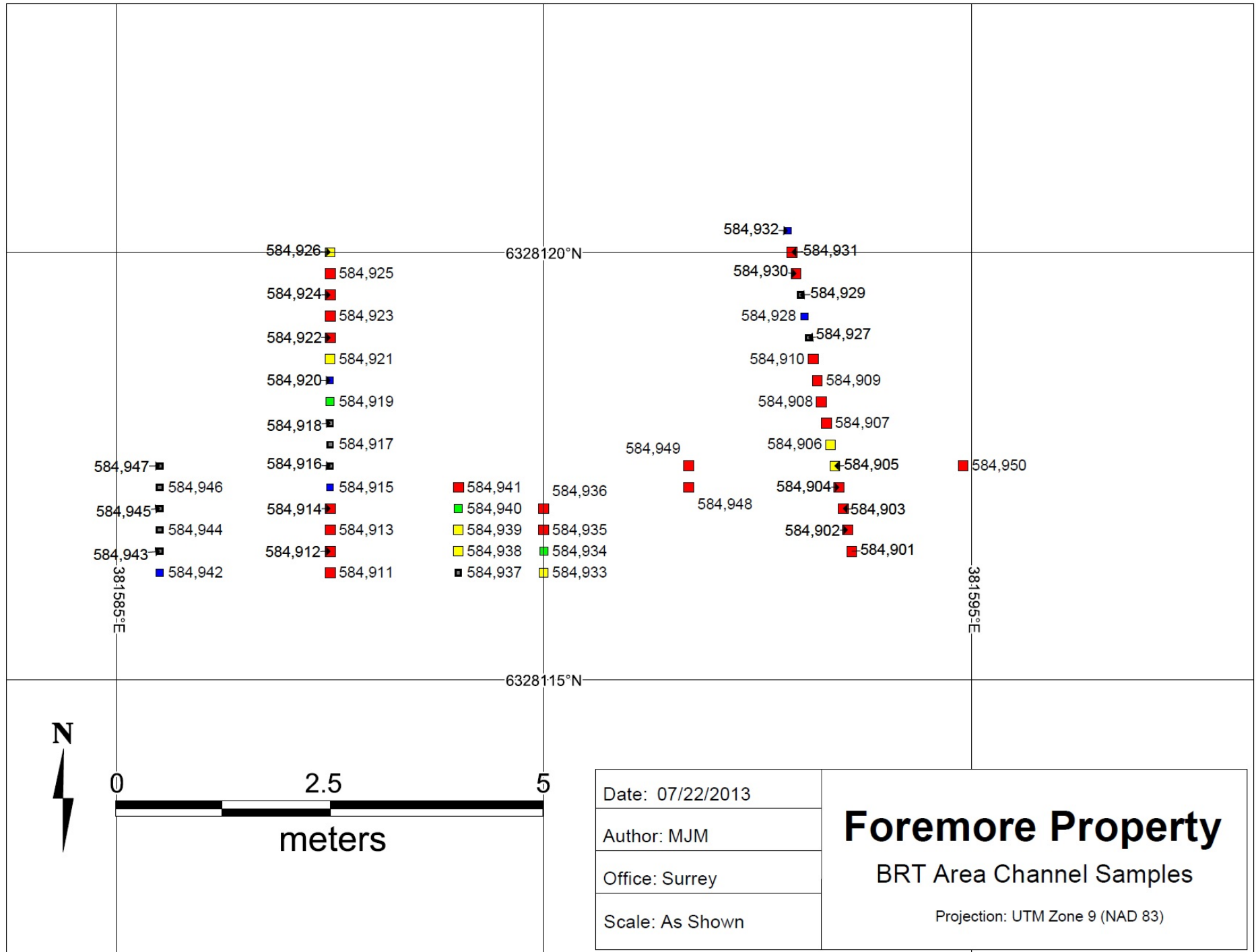
Office: Surrey

Scale: As Shown

## Foremore Property

BRT Area Drill Holes

Projection: UTM Zone 9 (NAD 83)



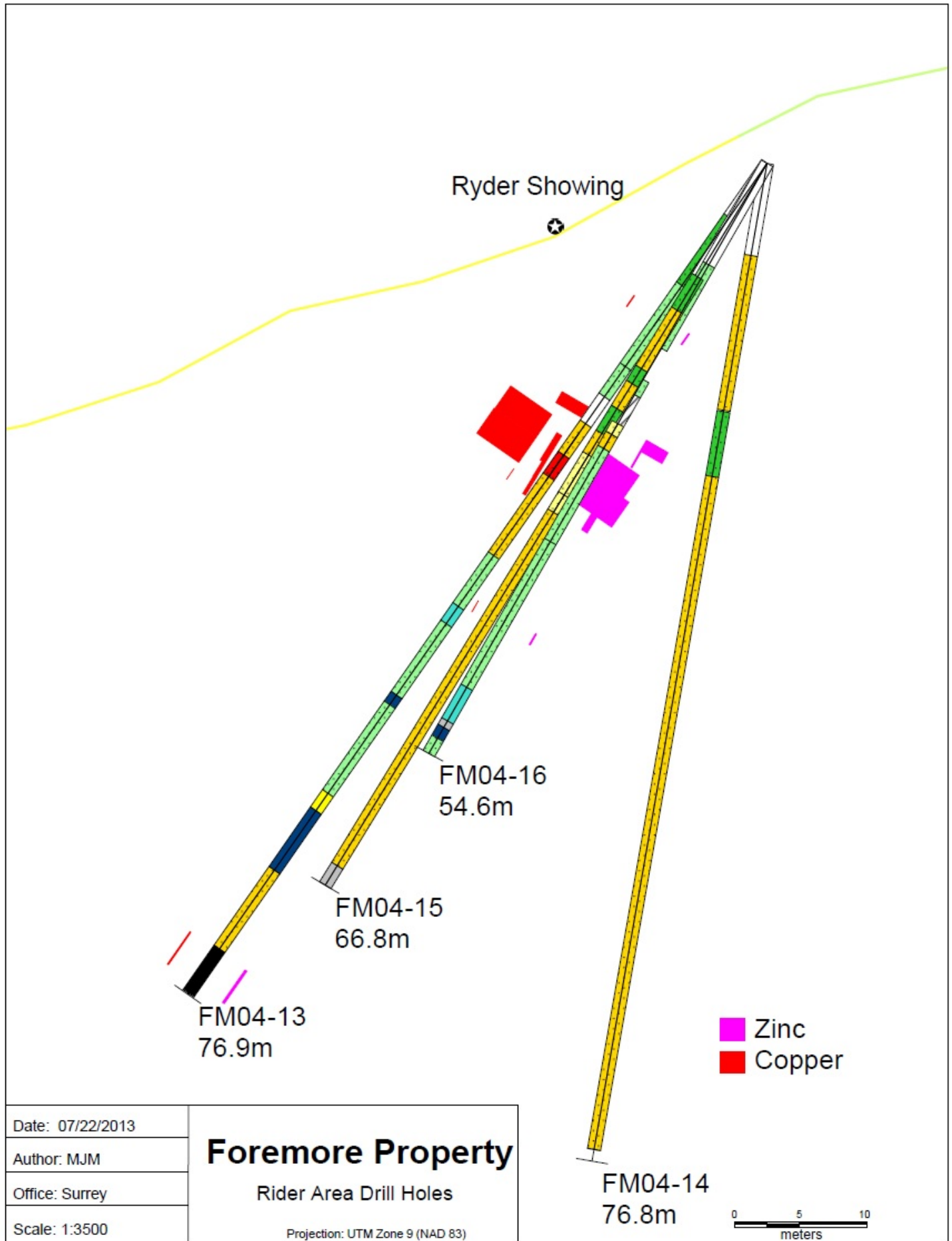
Historic Drill Hole Highlights BRT Zone										
DrillHole	From (m)	To (m)	Width (m)	Au (g/t)		Ag (g/t)		Cu %	Pb %	Zn %
				30gr FA	metallics	30gr FA	Metallics			
FM04-01	20.4	21.1	0.7	8.05	8.08	781	811	0.64	4.17	7.59
FM04-01	21.1	21.6	0.5	0.5	0.55	26	24	0.05	0.02	0.04
FM04-01	21.6	21.8	0.2	2.51	2.19	316	296	0.18	5.05	3.11
FM04-02	24.5	25.8	1.3	1.53	1.41	172	169	0.38	4.02	12.23
FM04-02	29.2	31.2	2	0.28	0.29	33	35	0.12	0.15	6.21
FM04-02	31.2	33.1	1.9	0.32	0.31	47	46	0.15	0.08	4.45
FM04-03	20.7	21.4	0.7	0.87	0.85	97	97	0.62	0.64	9.11
FM04-03	21.4	21.9	0.5	0.48	0.42	61	63	0.04	0.54	1.96
FM04-03	21.9	22.7	0.8	3.71	3.12	204	214	0.18	3.9	10.13
FM04-04	22.4	23.4	1	0.68	0.69	57	56	0.07	0.16	4.46
FM04-04	23.4	24.8	1.4	19.26	28.93	2215	2149	0.22	1.77	10.93
FM04-04	24.8	25.5	0.7	25.01	10.69	425	385	0.32	1.54	0.9
FM04-04	25.5	26	0.5	0.14	0.18	69	80	0.77	0.05	0.06
FM04-05	22.9	23.9	1	11.13	6.33	222	215	0.68	2.82	7.86
FM04-06	23	24.5	1.5	49.02	27.03	468	330	0.02	<.01	0.1
FM04-06	24.5	25.5	1	0.47	0.62	27	29	0.05	0.02	1.99
FM04-06	25.5	26.8	1.3	0.58	0.54	59	62	0.18	0.36	2.89
FM04-06	31.9	33.2	1.3	0.43	0.61	31	31	0.11	0.64	1.27
FM04-06	33.2	34.7	1.5	0.3	0.28	27	25	0.10	0.11	1.19
FM04-06	34.7	35.6	0.9	0.49	0.44	50	53	0.21	0.12	5.01
FM04-06	35.6	36.8	1.2	0.32	0.29	38	39	0.27	0.05	8.37
FM04-08	88.6	90.4	1.8	0.38		24		0.01	0.06	0.11
FM04-08	91.3	93	1.7	0.27		18		0.01	0.01	0.02
FM04-08	102.3	103.1	0.8	0.1		7		0.03	0.27	0.37
FM04-10	30.4	31.2	0.8	0.4		49		0.05	0.26	0.59
FM04-10	31.2	31.9	0.7	0.43		118		0.08	3.58	4.97
FM04-10	80.6	81.3	0.7	0.16		16		0.03	0.56	0.79
FM04-11	14.7	15.1	0.4	0.12		15		0.06	0.21	0.14
FM04-11	15.1	16.9	1.8	0.2		24		0.04	0.23	1.58
FM04-11	16.9	18.7	1.8	0.51		42		0.06	0.72	2.19
FM04-11	18.7	20.1	1.4	0.45		33		0.08	0.26	0.94
FM04-12	28.2	30	1.8		0.24		9	0.02	0.01	0.05
FM04-12	30	31.5	1.5		0.35		10	0.01	0.03	0.34
FM04-12	31.5	32.6	1.1		0.14		8	0.02	0.06	0.49

Sample	Easting	Northing	Showing	Au (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
584901	381593.60	6328116.50	BRT	1.474	1387.4	3883.9	>10000	>100
584902	381593.55	6328116.75	BRT	0.911	1422.6	>10000	>10000	>100
584903	381593.50	6328117.00	BRT	5.139	1091.4	>10000	>10000	>100
584904	381593.45	6328117.25	BRT	2.312	2732.6	>10000	>10000	>100
584905	381593.40	6328117.50	BRT	0.472	1375.9	7470.9	>10000	39.1
584906	381593.35	6328117.75	BRT	0.586	542.4	>10000	>10000	81.1
584907	381593.30	6328118.00	BRT	1.568	431.3	>10000	>10000	>100
584908	381593.25	6328118.25	BRT	2.018	400.9	>10000	>10000	>100
584909	381593.20	6328118.50	BRT	4.833	565.1	5199.1	>10000	>100
584910	381593.15	6328118.75	BRT	1.492	2087.1	5827.4	>10000	>100
584911	381587.50	6328116.25	BRT	4.232	1227.1	8079.4	>10000	>100
584912	381587.50	6328116.50	BRT	3.564	741.8	3643.8	>10000	>100
584913	381587.50	6328116.75	BRT	3.921	468.8	1273.4	>10000	>100
584914	381587.50	6328117.00	BRT	6.786	276.2	2096.3	>10000	>100
584915	381587.50	6328117.25	BRT	0.162	216.6	53.6	740	6.1
584916	381587.50	6328117.50	BRT	0.034	8.6	17.4	286	1.1
584917	381587.50	6328117.75	BRT	0.048	10.4	14.0	373	1.6
584918	381587.50	6328118.00	BRT	0.032	30.3	16.1	787	0.7
584919	381587.50	6328118.25	BRT	0.158	109.7	30.5	626	21.0
584920	381587.50	6328118.50	BRT	0.200	652.2	89.2	616	9.1
584921	381587.50	6328118.75	BRT	0.284	>10000	29.4	371	39.6
584922	381587.50	6328119.00	BRT	2.507	>10000	4316.6	>10000	>100
584923	381587.50	6328119.25	BRT	4.253	1865.9	4686.3	>10000	>100
584924	381587.50	6328119.50	BRT	4.009	3537.5	4778.0	>10000	>100
584925	381587.50	6328119.75	BRT	1.443	1520.8	>10000	>10000	>100
584926	381587.50	6328120.00	BRT	1.295	1993.5	>10000	>10000	88.2
584927	381593.10	6328119.00	BRT	0.029	98.8	585.1	716	2.0
584928	381593.05	6328119.25	BRT	0.178	512.8	227.9	275	7.9
584929	381593.00	6328119.50	BRT	0.057	23.8	40.8	513	2.2
584930	381592.95	6328119.75	BRT	3.804	3076.4	814.2	2929	>100
584931	381592.90	6328120.00	BRT	10.000	2429.5	3658.6	>10000	>100
584932	381592.85	6328120.25	BRT	0.101	69.1	123.4	3977	9.3
584933	381590.00	6328116.25	BRT	1.142	112.1	116.7	>10000	39.5
584934	381590.00	6328116.50	BRT	0.645	191.9	152.1	>10000	21.2
584935	381590.00	6328116.75	BRT	1.164	3780.4	4880.4	>10000	>100
584936	381590.00	6328117.00	BRT	3.406	651.1	>10000	>10000	>100
584937	381589.00	6328116.25	BRT	0.053	133.9	172.7	780	2.9
584938	381589.00	6328116.50	BRT	1.194	2108.2	4404.5	>10000	54.0
584939	381589.00	6328116.75	BRT	1.842	1852.6	>10000	>10000	77.2
584940	381589.00	6328117.00	BRT	5.893	975.6	449.3	1128	18.3
584941	381589.00	6328117.25	BRT	1.833	1432.1	4397.4	>10000	>100
584942	381585.50	6328116.25	BRT	0.236	116.1	60.6	670	6.1
584943	381585.50	6328116.50	BRT	0.119	11.9	89.5	488	1.4
584944	381585.50	6328116.75	BRT	0.005	9.1	9.7	513	0.3
584945	381585.50	6328117.00	BRT	0.027	6.9	11.7	309	0.2
584946	381585.50	6328117.25	BRT	0.081	5.5	10.2	274	0.1
584947	381585.50	6328117.50	BRT	0.023	15.3	8.7	449	0.8
584948	381591.70	6328117.25	BRT	3.753	2651.0	8859.6	>10000	>100
584949	381591.70	6328117.50	BRT	1.372	4891.6	>10000	>10000	98.2
584950	381594.90	6328117.50	BRT	2.369	>10000	>10000	>10000	>100

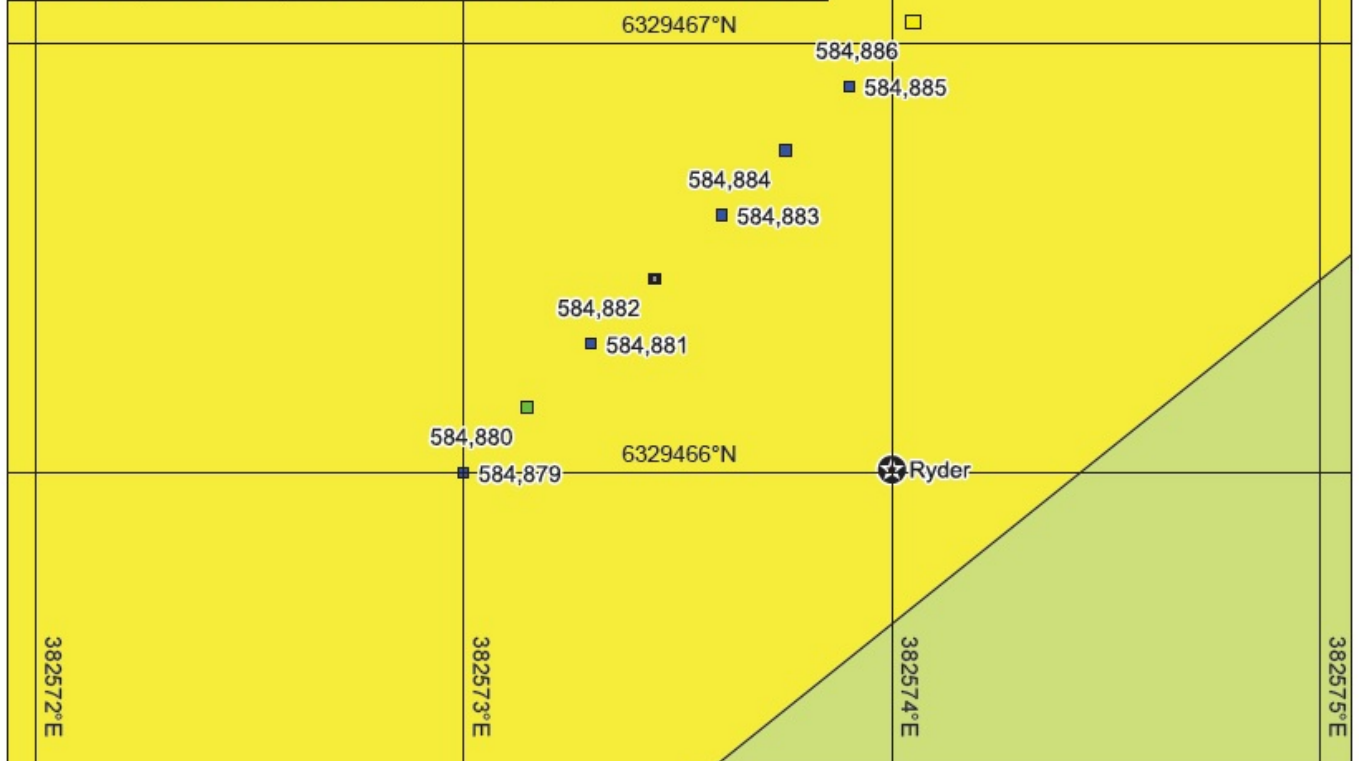
At the **Ryder showing** weak, narrow and discontinuous MS-SMS mineralization is exposed on surface and intersected in three of eight short holes drilled (Sears and Watkins, 2005). The best drill hole intersection came from a poorly recovered semi-massive sulphides over a 4.40 m interval in hole FM04-13. A total of twelve 50 cm channel samples were obtained from the showing on surface, the results are tabulated in Table 2.

Seen throughout the More Creek Flats area are fine grained, massive pyrite-rich clasts hosted in volcanoclastic rocks, in the order of 2 to 3 mm in diameter. The clasts were probably derived from a massive sulphide body present near the source of the pyroclastic flow. Such flows can probably transport small clasts for substantial distance (kilometres). Transport distance of large clasts (>10 cm) are likely to be much less. The clasts provide clear evidence of the presence of a massive sulphide deposit; however the direction and distance to the source generally cannot be accurately determined.

To quantify the VMS-related hydrothermal alteration a number of criteria have been compiled. These are: total sulphide as pyrite, the Ishikawa Alteration Index (AI), and % sodium as Na<sub>2</sub>O. Total sulphides, given here as % pyrite and calculated using sulphur analysis, should outline the gross 3D geometry of the hydrothermal systems now being identified within the More Creek Rhyolite. Pyrite values greater than 1% are considered significant and are highlighted in the tables. The Ishikawa Alteration Index,  $AI = 100(K_2O + MgO) / (K_2O + MgO + Na_2O + CaO)$ , was defined to quantify the intensity of sericite and chlorite alteration that occurs in the footwall volcanic rocks of Japanese VMS deposits. The alteration index is particularly useful by providing an estimate of the intensity of VMS-related alteration, increasing to maximum values in the hydrothermal vent zone leading to MS-SMS mineralization. In the More Creek Flats area an Alteration Index of 70 or greater is considered significant. A good measure of the alteration grade is also indicated by sodium content. Unaltered rhyolite normally contains Na<sub>2</sub>O values in the range of 3 to 4%. Sodium values less than 1% Na<sub>2</sub>O are considered significant, less than 0.1% very significant. Barium is also included as there is a strong correlation between mineralization and very low Ba values.



Sample	Au (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
584879	0.210	291.5	98.5	212	6.4
584880	0.247	491.7	131.1	933	9.0
584881	0.165	790.5	84.7	238	7.9
584882	0.169	1459.5	37.5	84	8.6
584883	0.776	7066.9	51.8	250	20.0
584884	0.162	274.5	116.8	119	12.2
584885	0.160	478.6	109.9	337	18.8
584886	0.531	1300.9	306.5	1208	43.1
584887	1.264	>10000	2905.6	6294	67.5
584888	1.411	>10000	738.8	5367	63.0
584889	0.474	3071.0	2546.0	>10000	40.6
584890	0.068	2581.2	2875.5	1841	10.1



**EARLY CARBONIFEROUS**

- eCSv Undifferentiated basalt, andesite, hyaloclastite; volcanoclastic and epiclastic rock
- eCSfb Quartz phryic and aphyric rhyolites and rhyodacite flows (Unit 2B), breccias and subvolcanic bodies
- eCSvt Pale grey and green, finely laminated intermediate to felsic ash and lapilli tuffs and rare epiclastic rocks (north of NZF, quartz-sericite±chlorite schists) (MCRBS)
- eCSmv Purple and bright green massive to weakly foliated, amygdaloidal basalt and related hyaloclastite, pillowe flows and scoriaceous tephra (north of NZF, schistose equivalents) (MCRBS)
- eCSvc Thin-bedded mafic and felsic tuffaceous sandstone, siltstone and cherty dust tuffs (north of NZF, graphitic and phyllitic equivalents)
- eCSfa/  
eCSfta Felsic volcanics (Unit 2A), rhyolite flows (Fv) and felsic volcanoclastic rocks (Ft); U/Pb zircon age ~360

Date: 07/22/2013  
 Author: MJM  
 Office: Surrey  
 Scale: As Shown

**Foremore Property**  
 Rider Area Channel Samples

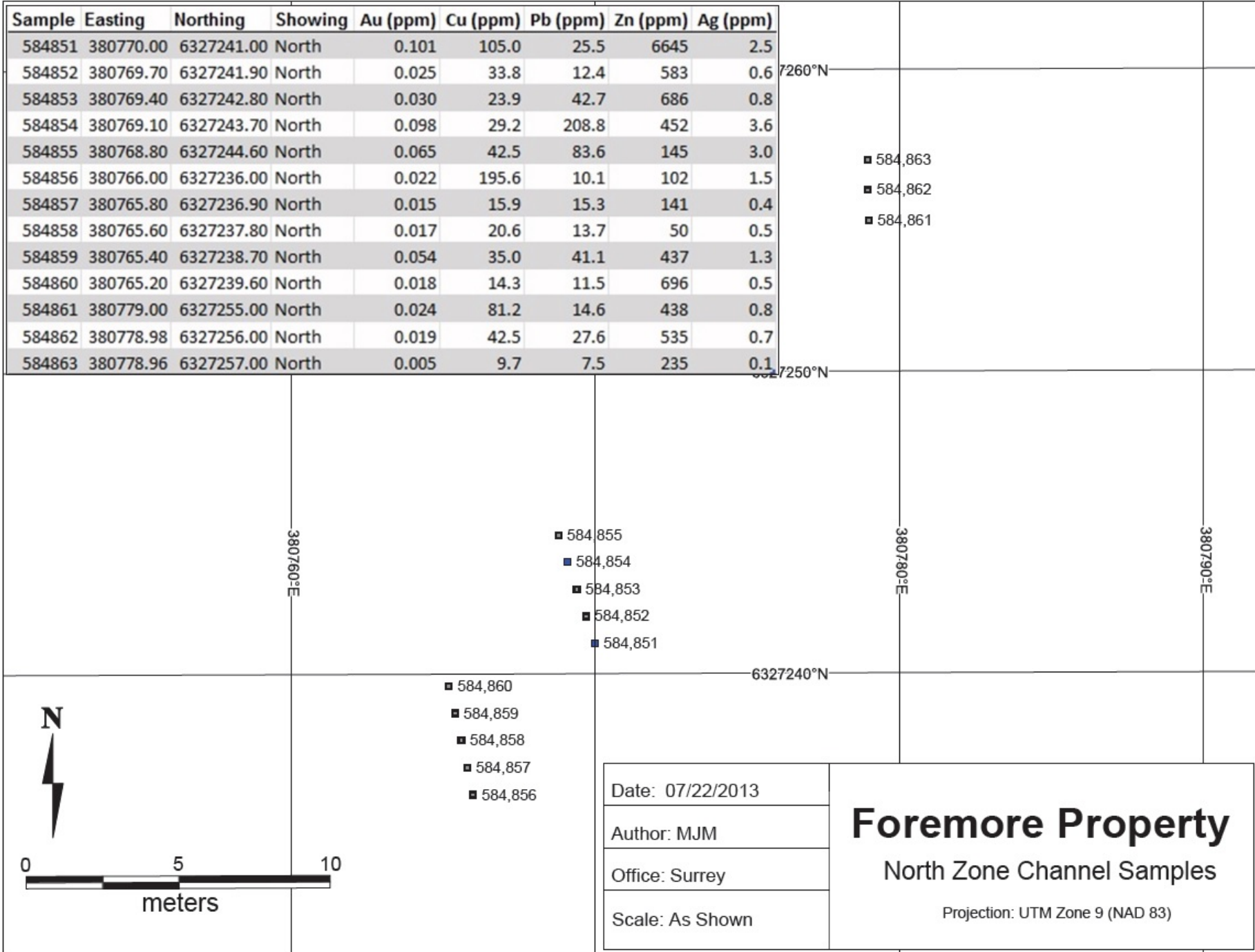
Projection: UTM Zone 9 (NAD 83)



Historic Drill Hole Highlights Ryder Zone									
Drill Hole	Sample #	From (m)	To (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu %	Pb %	Zn %
					30gr assay	30gr assay			
FM04-13	169932	25	27.1	2.1	0.17	6	0.399	0.06	0.3
FM04-13	169933	27.1	29.4	2.3	0.14	8	0.385	0.01	0.36
FM04-15	169929	26.8	29.3	2.5	0.12	<2	0.043	0.01	0.12
FM04-15	169930	29.3	30.7	1.4	0.04	<2	0.026	<.01	0.06
FM04-15	169931	30.7	32.3	1.6	0.1	2	0.024	0.03	0.05
FM04-16	169937	24.1	25.1	1	0.26	10	0.237	0.04	0.19
2012 Channel Sampling Results									
Trench Location	Sample #	Easting	Northing	Width (m)	Au (g/t)	Ag (g/t)	Cu %	Pb %	Zn %
Ryder	584879	382573	6329466	1	0.210	6.4	291.5	98.5	212
Ryder	584880	382573	6329466	1	0.247	9.0	491.7	131.1	933
Ryder	584881	382573	6329466	1	0.165	7.9	790.5	84.7	238
Ryder	584882	382573	6329466	1	0.169	8.6	1459.5	37.5	84
Ryder	584883	382574	6329467	1	0.776	20.0	7066.9	51.8	250
Ryder	584884	382574	6329467	1	0.162	12.2	274.5	116.8	119
Ryder	584885	382574	6329467	1	0.160	18.8	478.6	109.9	337
Ryder	584886	382574	6329467	1	0.531	43.1	1300.9	306.5	1208
Ryder	584887	382574	6329467	1	1.264	67.5	>10000	2905.6	6294
Ryder	584888	382574	6329467	1	1.411	63.0	>10000	738.8	5367
Ryder	584889	382575	6329468	1	0.474	40.6	3071.0	2546.0	>10000
Ryder	584890	382575	6329468	1	0.068	10.1	2581.2	2875.5	1841

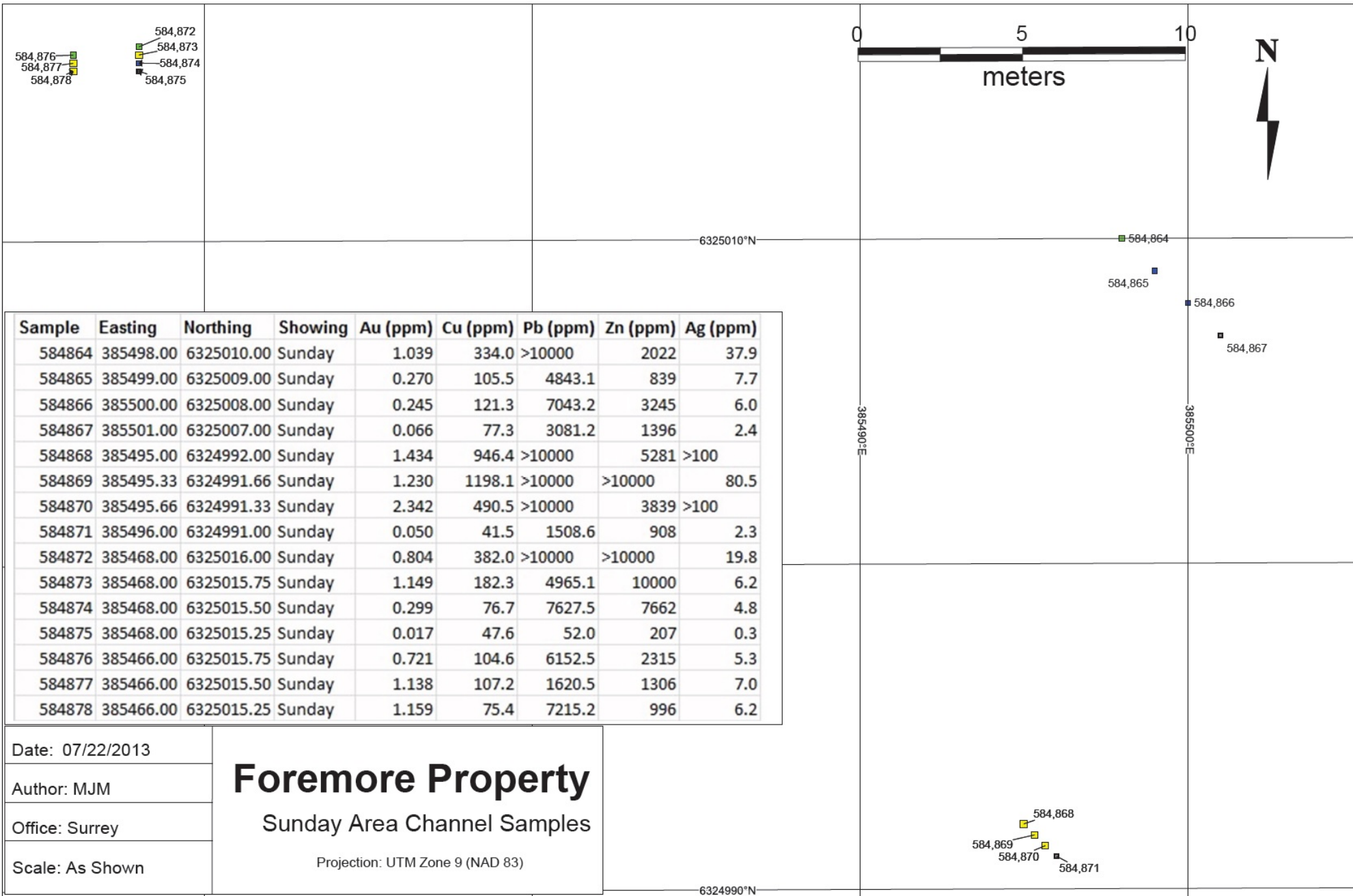
## **6.5. NORTH SHOWING**

Two holes, FM04-22 and -23, totalling 274 m and drilled from the same setup tested under the North Showing. The holes intersected a top section of weakly deformed purple and green mafic volcanic tuffs overlying a more strongly deformed quartz sericite schist. Within the quartz sericite schist is a moderately foliated chlorite hematite schist. A 2.0 m section of quartz sericite pyritic schist was intersected in FM04-22 from 104.4 to 106.4 m that assayed 0.23% Zn and 0.12 g/t Au over 1.0 m. It is unclear if this weakly mineralized interval is an extension of the mineralization seen on surface. Complicating the geological setting of the mineralization at the North Showing is a southeast dipping thrust fault.



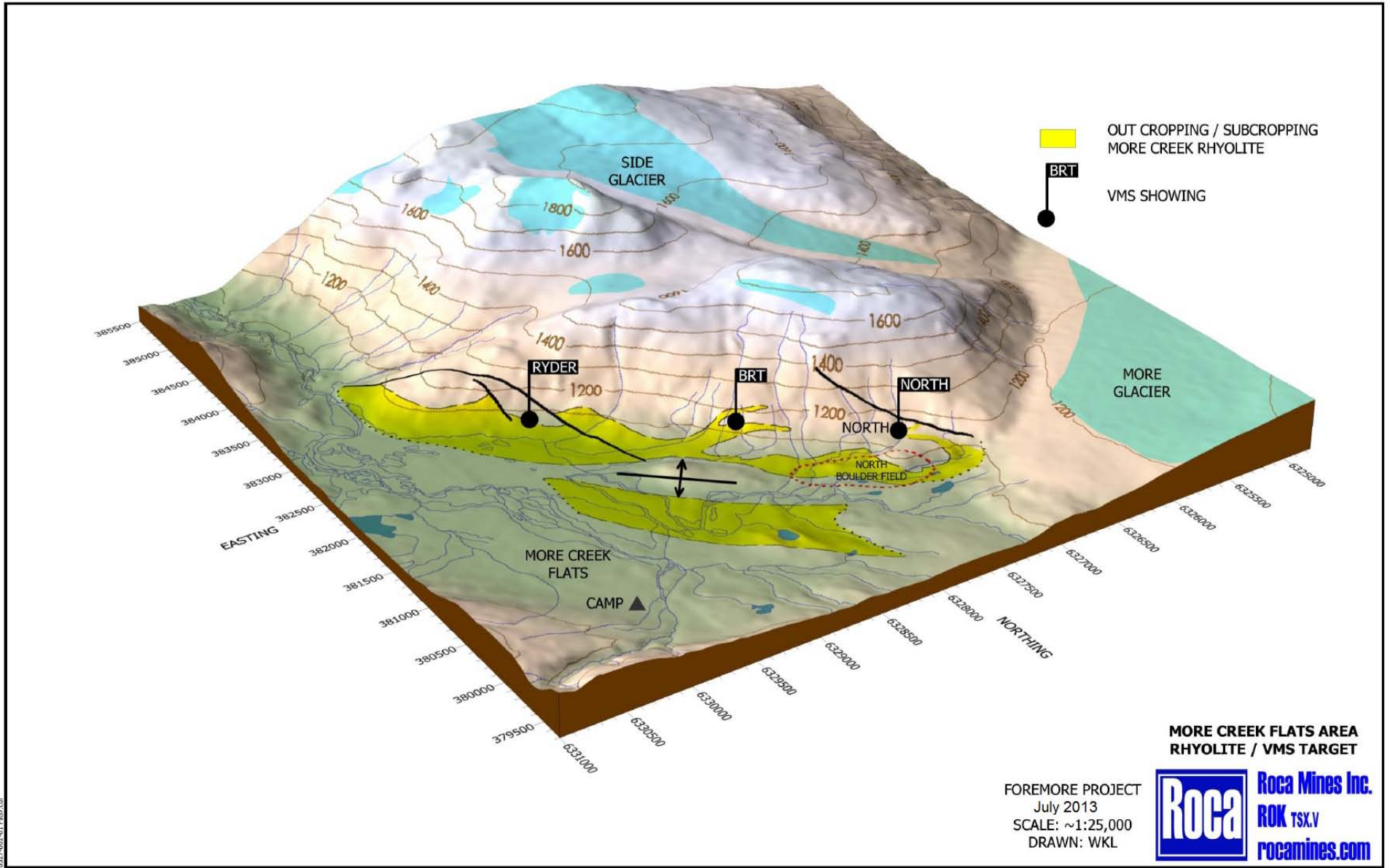
## 6.6. SUNDAY

The Sunday Prospect is described by Sears (2004) and is located 1,100 m south-southeast of the SG Showing (Figure 3). The mineralization occurs in a number of parallel veins of disseminated to massive arsenopyrite, galena, sphalerite and pyrite with good precious metal values. Best analytical results from outcrop include 8.0 g/t Au, 16.9 g/t Ag, 3.96% Pb, and 1.2% Zn over 0.12m.; and 3.06 g/t Au, 20.9 g/t Ag, 1.65% Zn, 0.6% Pb and 6.17% As. Another trench on a parallel vein assayed 2.21 g/t Au, 119.2 g/t Ag, 1.08% Zn, 8.07% Pb and 2.46% As over 1.0m. Mineralization is hosted in parallel vein systems cutting stratigraphy at 030<sup>0</sup> and dipping shallow to moderately southeast and followed in one vein system for 120 m. The mineralization may be related to a felsic / mafic volcanic with nearby limestone. The prospect was tested with one cored drill hole in 2004).

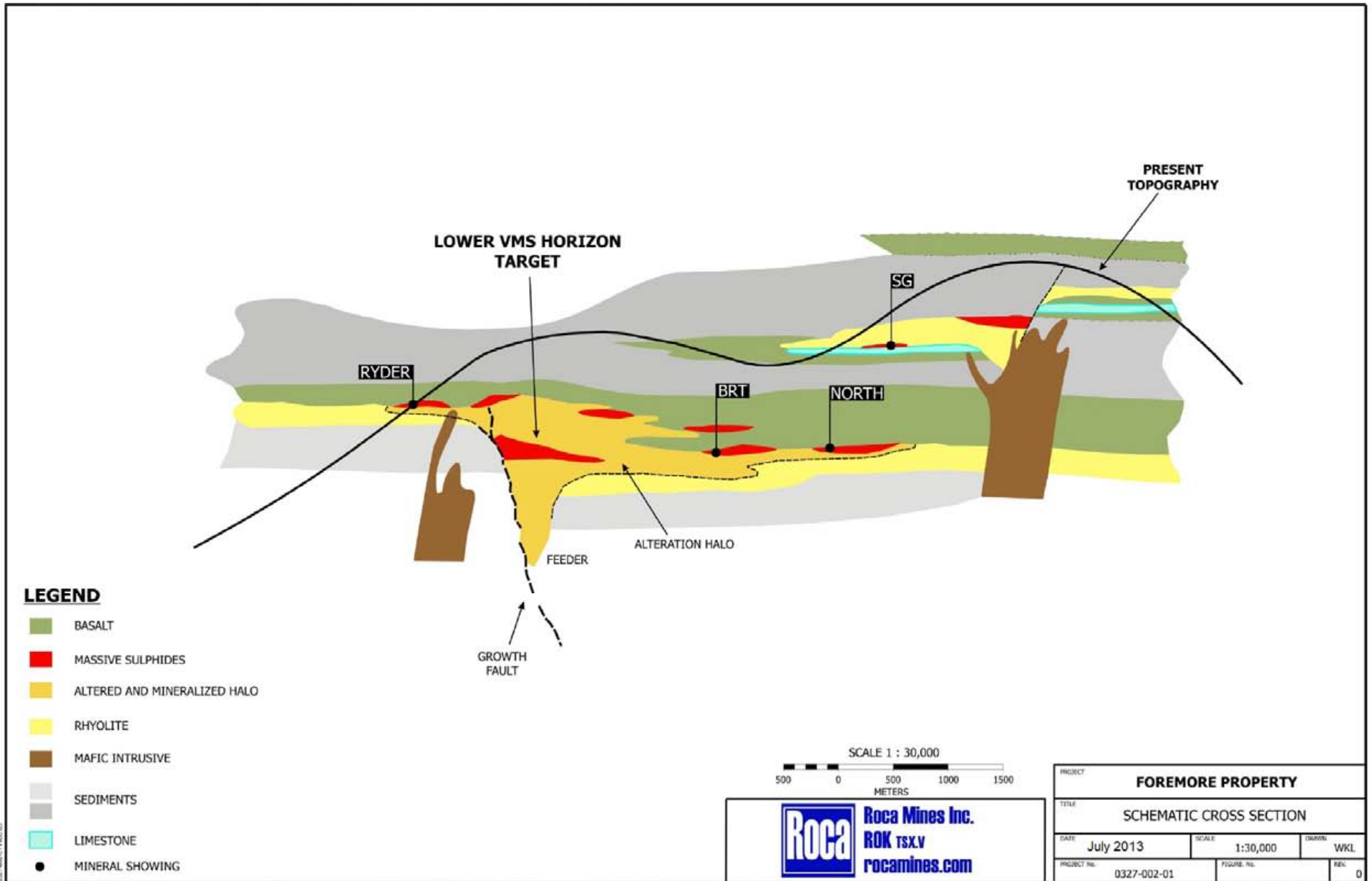


A number of criteria demonstrate a VMS deposit setting exists in the More Creek Flats area on the Foremore Property.

- The presence of numerous massive sulphide showings on surface and intersected in drill holes.
- The recognition of a bimodal rhyolite – basalt volcanic sequence at More Creek Flats is a key criteria and is a critical component in many of the great VMS district of the world.
- The presence of sediments within the bimodal rhyolite – basalt volcanic sequence indicates breaks occurred in the volcanic activity. Pauses in the extrusive volcanism are needed for the accumulation of large massive sulphide bodies on the sea floor.
- The rhyolite – basalt sequence hosting the sulphide mineralization is in the order of hundreds of meters thick and has been followed along strike for greater than five kilometres and remains open in all directions. This area is largely un-explored.
- Within this relatively thick sequence of rhyolite – basalt, sulphide mineralization appears to be stacked. The mineralization is present at more than one stratigraphic position. This aspect characterises many of the great VMS districts worldwide.
- The association of synvolcanic intrusive bodies within the More Creek Flats stratigraphic sequence is a characteristic of other VMS districts. These intrusive bodies are interpreted to act as the “heat engine” that drives the VMS system.
- There is evidence of the presence of syn-volcanic faults in the More Creek Flats rhyolite – basalt sequence. Syn-volcanic faults act as the conduits for discharging hydrothermal fluid onto the sea floor and they create sediment and massive sulphide traps.
- The presence of precious metals in the sulphide mineralized intervals adds to the economic viability in the More Creek Flats VMS setting. Precious metal credits are a common feature of many VMS camps and their presence greatly enhances overall economic viability.
- VMS related alteration, in particular strong sericite, with and without associated pyrite, and to a lesser degree chlorite, talc and carbonate, with strong and wide intervals of sodium depletion and potassium enrichment are similar to many VMS camps worldwide.



00274001-011.FIG2.dwg





## **7.0 2012 EXPLORATION PROGRAM**

The 2012 field season involved channel sampling a total of 90 meters from four promising mineral showings. The channel sampling results indicate that the surface expression of VMS mineralization is very promising. The historic drilling shows that mineralization continues to depth.

## **8.0 CONCLUSIONS AND RECOMMENDATIONS**

The Foremore property hosts at least 12 precious and base metal-bearing mineral occurrences of many different styles ranging from structurally controlled quartz sulphide veining to syngenetic volcanic hosted massive sulphide deposition. The property as a whole needs further prospecting, mapping and sampling to further understand the mineral potential and mineralized styles. Further drilling on the property should be focused on the Rider and BRT showings to further understand the structural controls for the mineralization. Down hole geophysics would greatly influence the location of further drill holes by showing the mineralized trends.

Respectfully submitted,

Mike Middleton  
Roca Mines Inc.  
Vancouver, BC, December 2012

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**APPENDIX A**  
**Mineral Claims**

Tenure Number	Claim Name	Map Number	Good To Date	Area (ha)
374763	FORE 1	104G006	2011/dec/16	500.0
374764	FORE 2	104G006	2011/dec/16	500.0
374765	FORE 3	104G006	2011/dec/16	300.0
374766	MORE 1	104G006	2011/dec/16	300.0
374767	MORE 2	104G006	2011/dec/16	500.0
374768	MORE 3	104G006	2011/dec/16	500.0
374769	MORE 4	104G006	2011/dec/16	450.0
374770	MORE 5	104G006	2011/dec/16	500.0
380863	FM 1	104G006	2011/dec/16	25.0
380864	FM 2	104G006	2011/dec/16	25.0
380865	FM 3	104G006	2011/dec/16	25.0
380866	FM 4	104G006	2011/dec/16	25.0
392631	FORE 4	104G006	2011/dec/16	450.0
392632	FORE 5	104G006	2011/dec/16	225.0
392641	FORE 6	104G006	2011/dec/16	400.0
392642	FORE 7	104G006	2011/dec/16	450.0
392643	FORE 8	104G006	2011/dec/16	150.0
392644	FORE 10	104G006	2011/dec/16	500.0
392645	FORE 9	104G006	2011/dec/16	400.0
392646	FORE 11	104G006	2011/dec/16	400.0
392647	FORE 12	104G006	2011/dec/16	500.0
392648	FORE 13	104G006	2011/dec/16	500.0
392649	EBF1	104G006	2011/dec/16	500.0
392650	EBF2	104G006	2011/dec/16	500.0
392651	EBF3	104G006	2011/dec/16	500.0
392652	EBF4	104G006	2011/dec/16	500.0
392655	MORE 6	104G006	2011/dec/16	500.0
392656	MORE 7	104G005	2011/dec/16	500.0
392657	MORE 8	104G005	2011/dec/16	300.0
392658	MORE 9	104G005	2011/dec/16	400.0
392659	MORE 10	104G005	2011/dec/16	500.0
392660	MORE 11	104G005	2011/dec/16	500.0
393458	ANT 1	104G017	2011/dec/16	500.0
393459	ANT 2	104G017	2011/dec/16	500.0
393460	ANT 3	104G017	2011/dec/16	500.0
393461	ANT 4	104G017	2011/dec/16	500.0
393462	NEW 1	104B086	2019/dec/01	500.0
393463	NEW 2	104B086	2019/dec/01	500.0
393464	NEW 3	104B086	2019/dec/01	500.0
393465	NEW 4	104B086	2019/dec/01	500.0

Tenure Number	Claim Name	Map Number	Good To Date	Area (ha)
393466	MONT 1	104B086	2019/dec/01	500.0
393467	MONT 2	104B086	2019/dec/01	500.0
393468	MONT 3	104B086	2019/dec/01	500.0
393469	MONT 4	104B086	2019/dec/01	500.0
395889	MOR 1	104G005	2011/dec/16	100.0
395890	MOR 2	104G005	2011/dec/16	50.0
395891	MOR 3	104G005	2011/dec/16	75.0
400284	ROKS 1	104G006	2011/dec/16	150.0
400285	ROKS 2	104G006	2012/sep/30	500.0
400286	ROKS 3	104G006	2012/sep/30	400.0
400287	ROKS 4	104G016	2012/sep/30	375.0
400288	ROKS 5	104G016	2012/sep/30	450.0
400294	ROC 8	104G016	2012/sep/30	500.0
400295	ROC 9	104G016	2012/sep/30	375.0
400296	ROC 10	104G016	2012/sep/30	375.0
400297	ROC 11	104G016	2012/sep/30	500.0
400298	ROC 12	104G016	2012/sep/30	500.0
400299	ROC 13	104G016	2012/sep/30	225.0
400300	ROC 14	104G016	2012/sep/30	400.0
406128	DICE 1	104G016	2012/sep/30	500.0
406129	DICE 2	104G016	2012/sep/30	375.0
406130	RHINO	104G016	2012/oct/18	250.0
537084	ROCATOWN	104B	2011/dec/16	405.2
537085	ROCATOWN	104G	2011/dec/16	440.2
537086	ROCATOWN	104B	2011/dec/16	440.7
537207	ROCATOWN	104G	2011/dec/16	122.8
537208	ROCATOWN	104G	2012/sep/30	70.2
540082	ROCA FLATS #1	104G	2012/sep/30	843.4
540083	ROCA FLATS #2	104G	2012/sep/30	1616.4
904240	ROCK	104G	2012/oct/01	140.7
904242	ROCK 1	104G	2012/oct/01	52.8
926657	ROCA TOWN	104G	2012/oct/31	70.3
926658	ROCA TOWN	104G	2012/oct/31	52.7

**APPENDIX B**  
**Statement of Qualification**

Statement of Qualifications:

Michael J. Middleton  
14948 90th Ave  
Surrey, B.C.  
V3B 2P5  
Telephone (604) 585-0954.  
Email [middleton.geoscience@gmail.com](mailto:middleton.geoscience@gmail.com)

I, Michael J. Middleton, do hereby certify that:

1. I am currently employed as a Consulting Mining and Geological Technician by Roca Mines Inc.
2. I have practiced my profession of prospecting since 1990.
3. I am a graduate of British Columbia Institute of Technology with a diploma of Technology in Mining and Mineral Exploration, obtained in 2004. I have been practicing my profession continuously in Canada since graduation.
4. My input into this report is based mainly upon conducting the 2012 sampling program on the Foremore Property, supplemented by a review of past work on the property and its geological setting as well as compilation of previous geological maps into the Mapinfo program.
5. I have no interest in the property reported on herein, and nor do I expect to receive any.

Dated at Surrey, British Columbia, this eighteenth day of November, 2012.

November 18, 2012  
Surrey, B.C.

M.J.Middleton  
Consulting Technician

**APPENDIX C**  
**Itemized Cost Statement**





EXPLORATION WORK TYPE	COMMENT	DAYS			TOTALS
Complex resistivity					
Seismic reflection					
Seismic refraction					
Well logging	Define by total length				
Geophysical interpretation					
Petrophysics					
Other (specify)					
				<b>\$0.00</b>	<b>\$0.00</b>
<b>Geochemical Surveying</b>	<b>Number of Samples</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Drill (cuttings, core, etc.)			\$0.00	\$0.00	
Stream sediment			\$0.00	\$0.00	
Soil	<i>note: This is for assays or</i>		\$0.00	\$0.00	
Rock	<i>laboratory costs</i>	95	\$0.00	\$4300.07	
Water			\$0.00	\$0.00	
Biogeochemistry			\$0.00	\$0.00	
Whole rock			\$0.00	\$0.00	
Petrology			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				<b>\$4300.07</b>	<b>\$4300.07</b>
<b>Drilling</b>	<b>No. of Holes, Size of Core and Metres</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Diamond			\$0.00	\$0.00	
Reverse circulation (RC)			\$0.00	\$0.00	
Rotary air blast (RAB)			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				<b>\$0.00</b>	<b>\$0.00</b>
<b>Other Operations</b>	<b>Clarify</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Trenching			\$0.00	\$0.00	
Bulk sampling			\$0.00	\$0.00	
Underground development			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				<b>\$0.00</b>	<b>\$0.00</b>
<b>Reclamation</b>	<b>Clarify</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
After drilling			\$0.00	\$0.00	
Monitoring			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				<b>\$0.00</b>	<b>\$0.00</b>
<b>Transportation</b>		<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Airfare			\$0.00	\$0.00	
Taxi			\$0.00	\$0.00	
truck rental			\$0.00	\$2,932.00	
kilometers			\$0.00	\$0.00	
ATV			\$0.00	\$0.00	
fuel			\$0.00	\$1,077.27	
Helicopter (hours)			\$0.00	\$47,850	
Fuel (litres/hour)			\$0.00	\$0.00	
Other				\$400.00	
				<b>\$52,259.27</b>	<b>\$52,259.27</b>
<b>Accommodation &amp; Food</b>	<b>Rates per day</b>				
Hotel			\$0.00	\$567.72	
Camp			\$0.00	\$1700.00	
Meals	day rate or actual costs-specify		\$0.00	\$1002.33	

EXPLORATION WORK TYPE	COMMENT	DAYS		TOTALS	
				<b>\$3,270.05</b>	<b>\$3,270.05</b>
<b>Miscellaneous</b>					
Telephone	Sat Phone	17	\$50	\$850.00	
Other (Specify)					
				<b>\$850.00</b>	<b>\$850.00</b>
<b>Equipment Rentals</b>					
Field Gear (Specify)	Channel saw, chain saw, etc...		\$0.00	\$1700.00	
Other (Specify)					
				<b>\$1700.00</b>	<b>\$1700.00</b>
<b>Freight, rock samples</b>					
			\$0.00	\$499.95	
			\$0.00	\$0.00	
				<b>\$499.95</b>	<b>\$499.95</b>
<b><i>TOTAL Expenditures</i></b>					<b><i>\$82,279.34</i></b>

**APPENDIX D**  
**Assay Certificates**

Client: **CJL Enterprises Ltd.**  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0 CANADA

Submitted By: Chris Warren  
Receiving Lab: Canada-Smithers  
Received: October 22, 2012  
Report Date: November 19, 2012  
Page: 1 of 5

**CERTIFICATE OF ANALYSIS**

**SMI12000501.1**

**CLIENT JOB INFORMATION**

Project: Foremore  
Shipment ID:  
P.O. Number: 2  
Number of Samples: 95

**SAMPLE DISPOSAL**

RTRN-PLP Return  
RTRN-RJT Return

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

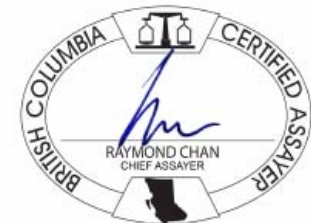
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	95	Crush, split and pulverize 500 g rock to 200 mesh			VAN
G601	95	Fire Assay Fusion Au - AAS Finish	30	Completed	VAN
1DX1	95	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
G6Gr	1	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN

**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: CJL Enterprises Ltd.  
P.O. Box 662  
3176 Tatlow Rd.  
Smithers BC V0J 2N0  
CANADA

CC: Lorne Warren



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



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

www.acmelab.com

Client: C.JL Enterprises Ltd.  
 P.O. Box 662  
 3176 Tabow Rd.  
 Smithers BC V0J 2N0 CANADA

Project: Foremore  
 Report Date: November 19, 2012

Page: 2 of 5

Part: 1 of 1

CERTIFICATE OF ANALYSIS

SMI12000501.1

Method	WGHT	G8	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.6	0.6	0.1	1	0.1	0.1	0.1	2	0.01	
G1-SMI	Prep Blank	<0.01	<0.005	0.1	3.0	7.1	55	<0.1	4.6	4.2	582	2.05	1.1	<0.5	5.1	48	<0.1	<0.1	<0.1	35	0.49
G1-SMI	Prep Blank	<0.01	0.014	<0.1	2.4	9.0	52	<0.1	3.9	4.4	580	2.03	10.4	11.9	5.0	57	<0.1	<0.1	<0.1	36	0.47
584851	Rock	8.35	0.101	4.0	105.0	25.5	6645	2.5	23.7	14.7	1500	4.44	61.3	99.2	0.5	31	32.9	1.4	<0.1	<2	1.29
584852	Rock	9.22	0.025	1.9	33.8	12.4	583	0.6	3.9	4.1	845	1.88	28.6	23.1	0.5	20	3.2	0.5	<0.1	<2	0.66
584853	Rock	6.80	0.030	2.0	23.9	42.7	686	0.8	1.7	1.5	52	1.75	39.3	27.8	0.6	7	3.6	0.5	<0.1	<2	0.09
584854	Rock	5.03	0.098	5.2	29.2	208.8	452	3.6	7.1	5.7	65	2.27	71.4	93.0	0.6	9	2.7	0.9	<0.1	<2	0.08
584855	Rock	5.43	0.065	4.9	42.5	83.6	145	3.0	8.9	6.9	1358	2.94	49.9	51.7	0.5	28	0.9	0.9	0.2	<2	1.10
584856	Rock	6.41	0.022	1.4	195.6	10.1	102	1.5	3.3	3.5	1901	2.69	24.7	21.4	0.5	33	0.7	0.4	<0.1	<2	1.36
584857	Rock	6.76	0.015	1.2	15.9	15.3	141	0.4	1.7	1.7	1617	2.08	19.8	16.8	0.4	68	1.8	0.3	<0.1	<2	1.83
584858	Rock	6.95	0.017	2.3	20.6	13.7	50	0.5	2.5	1.3	169	1.25	22.7	16.5	0.6	8	0.2	0.3	<0.1	<2	0.15
584859	Rock	7.58	0.054	2.3	35.0	41.1	437	1.3	5.3	4.9	1479	3.40	53.1	45.6	0.4	37	4.2	0.9	0.1	<2	1.23
584860	Rock	7.49	0.018	2.1	14.3	11.5	696	0.5	87.7	34.0	1592	5.19	17.9	14.7	0.4	52	2.1	0.3	<0.1	29	1.06
584861	Rock	5.52	0.024	1.8	81.2	14.6	438	0.8	1.1	0.9	674	2.10	17.5	19.2	0.4	20	2.3	0.3	<0.1	<2	0.75
584862	Rock	5.97	0.019	2.4	42.5	27.6	535	0.7	4.1	1.8	631	1.85	26.5	16.6	0.5	56	3.2	0.4	<0.1	<2	1.31
584863	Rock	6.61	0.005	0.3	9.7	7.5	235	<0.1	6.6	4.3	801	1.65	3.0	2.3	1.4	84	0.9	<0.1	<0.1	4	2.76
584864	Rock	7.68	1.039	2.9	334.0	>10000	2022	37.9	8.8	14.0	872	7.09	>10000	1012	0.5	19	7.7	17.6	2.7	61	0.74
584865	Rock	8.65	0.270	0.7	105.5	4843	839	7.7	0.7	3.2	436	2.79	3004	247.0	0.6	5	5.3	2.4	1.5	11	0.20
584866	Rock	6.88	0.245	1.1	121.3	7043	3245	6.0	1.5	6.3	1439	4.62	489.3	241.2	0.3	10	18.8	1.3	0.3	29	0.66
584867	Rock	9.45	0.066	0.8	77.3	3081	1396	2.4	1.4	3.7	1624	4.81	506.3	40.6	0.4	15	7.3	1.0	0.2	28	0.88
584868	Rock	4.12	1.434	0.6	946.4	>10000	5281	>100	1.1	6.6	626	6.91	>10000	1287	0.9	4	29.0	59.0	5.3	5	0.16
584869	Rock	4.77	1.230	0.8	1198	>10000	>10000	80.5	4.0	8.0	80	6.22	>10000	1229	0.3	6	216.1	42.8	3.7	<2	0.03
584870	Rock	4.05	2.342	3.6	490.5	>10000	3839	>100	4.9	8.2	207	8.25	>10000	2385	0.7	4	14.7	68.3	4.8	4	0.10
584871	Rock	4.54	0.050	0.9	41.5	1509	908	2.3	2.5	5.3	1313	4.25	213.1	31.1	1.9	9	2.0	0.9	<0.1	8	0.33
584872	Rock	5.92	0.804	1.0	382.0	>10000	>10000	19.8	5.6	13.3	503	9.06	900.7	775.6	0.6	14	317.5	4.5	7.6	22	0.62
584873	Rock	3.52	1.149	0.7	182.3	4965	>10000	6.2	1.6	6.4	249	8.07	1228	1134	1.1	9	64.8	1.8	2.1	2	0.28
584874	Rock	2.98	0.299	0.6	76.7	7627	7662	4.8	1.8	6.6	611	5.39	356.4	300.4	1.2	13	42.4	0.8	2.4	9	0.73
584875	Rock	3.77	0.017	0.4	47.6	52.0	207	0.3	2.1	5.5	707	3.38	42.8	31.9	1.7	15	0.6	0.2	0.1	12	0.79
584876	Rock	4.47	0.721	1.8	104.6	6153	2315	5.3	3.0	5.0	245	5.83	974.2	656.1	1.1	8	12.5	1.6	0.7	19	0.14
584877	Rock	4.18	1.138	4.1	107.2	1620	1306	7.0	1.1	3.5	212	7.26	1169	1112	1.1	8	6.4	2.0	1.4	7	0.17
584878	Rock	3.47	1.159	2.0	75.4	7215	996	6.2	1.3	1.2	130	6.10	961.8	1165	1.2	10	5.7	1.9	1.6	5	0.14

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: Foremore  
Report Date: November 19, 2012

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Part: 2 of 1

## CERTIFICATE OF ANALYSIS

SMI12000501.1

Method	Analyte	Unit	MDL	1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX So ppm	1DX Tl ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm	Geo Au gmt
G1-SMI	Prep Blank		0.001	0.077	8	9	0.63	233	0.118	<20	0.93	0.079	0.48	<0.1	0.01	2.2	0.3	<0.05	5	<0.5	<0.2	0.8
G1-SMI	Prep Blank		0.001	0.078	9	8	0.59	239	0.123	<20	1.02	0.110	0.51	<0.1	0.01	2.2	0.3	<0.05	5	<0.5	<0.2	0.8
584851	Rock		0.001	0.017	1	3	0.53	39	<0.001	<20	0.17	0.006	0.14	<0.1	11.92	0.5	0.4	4.50	<1	0.8	0.5	
584852	Rock		0.001	0.024	2	2	0.26	68	<0.001	<20	0.20	0.004	0.15	<0.1	1.14	0.4	0.1	1.65	<1	<0.5	<0.2	
584853	Rock		0.001	0.023	3	2	0.03	37	<0.001	<20	0.18	0.004	0.14	<0.1	2.95	0.3	<0.1	1.40	<1	<0.5	<0.2	
584854	Rock		0.001	0.015	2	2	0.03	46	<0.001	<20	0.17	0.005	0.14	<0.1	1.88	0.2	0.6	2.15	<1	<0.5	<0.2	
584855	Rock		0.001	0.018	1	2	0.47	35	<0.001	<20	0.15	0.005	0.13	<0.1	0.41	0.4	0.5	2.65	<1	<0.5	<0.2	
584856	Rock		0.001	0.020	1	1	0.62	32	<0.001	<20	0.24	0.005	0.14	<0.1	0.19	0.6	0.1	2.06	<1	<0.5	0.3	
584857	Rock		0.001	0.022	2	2	1.02	64	<0.001	<20	0.39	0.004	0.13	<0.1	0.20	0.5	<0.1	0.97	<1	<0.5	<0.2	
584858	Rock		0.001	0.014	3	1	0.13	41	<0.001	<20	0.24	0.004	0.14	<0.1	0.13	0.2	<0.1	0.77	<1	<0.5	0.2	
584859	Rock		0.001	0.022	1	1	0.66	78	<0.001	<20	0.35	0.005	0.13	<0.1	1.80	0.3	0.5	2.24	<1	<0.5	0.6	
584860	Rock		0.001	0.035	3	60	1.87	249	0.007	<20	2.89	0.003	0.24	<0.1	0.70	4.0	0.3	0.40	6	<0.5	<0.2	
584861	Rock		0.001	0.015	2	2	0.27	42	<0.001	<20	0.19	0.005	0.12	<0.1	1.71	0.4	<0.1	1.50	<1	<0.5	0.2	
584862	Rock		0.001	0.023	2	4	0.39	192	<0.001	<20	0.41	0.007	0.13	<0.1	2.66	0.6	0.2	0.65	<1	<0.5	<0.2	
584863	Rock		0.001	0.045	5	2	0.90	144	0.002	<20	0.90	0.009	0.22	<0.1	0.22	0.8	<0.1	0.09	2	<0.5	<0.2	
584864	Rock		0.001	0.067	4	13	1.36	69	0.002	<20	2.03	0.022	0.21	<0.1	1.32	4.9	<0.1	1.08	5	11.5	<0.2	
584865	Rock		0.001	0.088	5	<1	0.35	44	0.001	<20	0.88	0.004	0.29	<0.1	0.14	1.5	<0.1	0.41	3	1.5	<0.2	
584866	Rock		0.001	0.078	5	1	0.96	43	0.002	<20	2.04	0.004	0.36	<0.1	0.09	3.0	<0.1	0.37	6	1.3	<0.2	
584867	Rock		0.001	0.093	6	1	1.06	39	0.002	<20	2.26	0.030	0.34	<0.1	0.03	2.8	<0.1	0.10	7	<0.5	<0.2	
584868	Rock		0.001	0.084	5	<1	0.56	44	0.001	<20	1.24	0.003	0.26	<0.1	1.58	1.2	<0.1	4.08	3	20.8	0.2	
584869	Rock		0.001	0.026	2	4	0.07	16	<0.001	<20	0.20	0.001	0.11	<0.1	1.32	0.3	<0.1	6.79	<1	26.7	0.4	
584870	Rock		0.001	0.054	3	3	0.27	45	0.001	<20	0.72	0.004	0.16	<0.1	2.58	0.8	<0.1	2.35	2	31.2	0.5	
584871	Rock		0.001	0.149	13	2	1.16	56	0.002	<20	2.60	0.012	0.40	<0.1	0.06	1.6	<0.1	0.17	5	0.6	<0.2	
584872	Rock		0.001	0.055	2	8	0.56	28	0.002	<20	1.22	0.011	0.24	<0.1	1.62	2.6	<0.1	9.03	3	15.6	0.5	
584873	Rock		0.001	0.079	5	3	0.35	39	0.002	<20	0.93	0.003	0.30	<0.1	0.34	0.8	<0.1	7.40	2	6.8	0.3	
584874	Rock		0.001	0.103	11	3	0.86	83	0.004	<20	1.74	0.011	0.38	<0.1	0.24	1.5	<0.1	3.39	3	6.0	0.3	
584875	Rock		0.001	0.143	17	3	1.13	147	0.002	<20	1.92	0.012	0.43	<0.1	0.02	1.9	<0.1	0.57	4	<0.5	<0.2	
584876	Rock		0.001	0.103	4	7	0.40	57	0.002	<20	0.92	0.007	0.27	<0.1	0.29	2.0	<0.1	2.25	3	3.3	0.5	
584877	Rock		0.001	0.087	5	6	0.28	51	0.004	<20	0.73	0.003	0.25	0.1	1.08	1.0	<0.1	3.00	3	3.6	1.2	
584878	Rock		0.001	0.091	4	2	0.22	48	0.002	<20	0.56	0.005	0.25	<0.1	0.77	0.8	<0.1	2.17	2	3.9	0.6	

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Project: Foremore  
Report Date: November 19, 2012

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Part: 1 of 1

CERTIFICATE OF ANALYSIS

SMI12000501.1

Method	WGHT	G8	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.006	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.6	0.6	0.1	1	0.1	0.1	0.1	2	0.01	
584879	Rock	4.12	0.210	12.8	291.5	96.5	212	6.4	1.4	1.8	32	18.27	46.4	208.1	0.1	2	0.8	2.7	4.4	<2	<0.01
584880	Rock	4.89	0.247	18.1	491.7	131.1	933	9.0	2.5	2.2	30	11.78	27.5	269.4	0.2	4	3.9	1.5	5.8	<2	<0.01
584881	Rock	4.12	0.165	17.6	790.5	84.7	238	7.9	1.6	1.3	34	9.35	24.2	178.5	0.2	4	0.8	2.9	4.9	<2	<0.01
584882	Rock	3.48	0.169	10.4	1459	37.5	84	8.6	2.0	0.9	30	13.62	35.6	156.4	0.1	3	0.2	8.4	6.0	<2	<0.01
584883	Rock	3.65	0.776	7.5	7067	51.8	250	20.0	1.4	0.4	34	18.82	100.6	853.0	<0.1	35	1.1	71.6	4.9	<2	<0.01
584884	Rock	3.51	0.162	18.6	274.5	116.8	119	12.2	4.1	0.8	30	17.47	20.8	158.3	0.1	3	0.4	6.7	6.9	<2	<0.01
584885	Rock	2.71	0.160	38.2	478.6	109.9	337	18.8	19.8	2.5	88	19.40	67.2	145.6	0.2	5	1.2	3.1	4.1	6	0.02
584886	Rock	2.61	0.531	28.7	1301	306.5	1208	43.1	5.7	1.3	37	11.93	138.1	511.5	0.2	35	4.5	57.4	8.1	5	0.01
584887	Rock	2.87	1.264	23.5	>10000	2906	6294	67.5	9.6	1.7	41	12.79	228.8	612.1	<0.1	82	60.9	322.6	8.7	5	<0.01
584888	Rock	3.26	1.411	54.2	>10000	738.8	5367	63.0	4.3	1.0	27	11.07	248.8	1086	<0.1	64	84.9	412.8	18.5	3	<0.01
584889	Rock	4.61	0.474	26.0	3071	2546	>10000	40.6	31.3	3.0	47	27.78	161.6	498.5	0.4	77	44.9	186.1	11.1	7	<0.01
584890	Rock	3.57	0.068	12.9	2581	2876	1841	10.1	8.0	4.8	125	18.15	243.9	75.2	1.2	138	4.8	16.8	3.2	31	0.03
584901	Rock	3.04	1.474	6.2	1387	3884	>10000	>100	80.2	30.9	403	31.28	16.8	973.9	0.2	<1	252.0	12.7	0.5	<2	0.24
584902	Rock	4.12	0.911	9.8	1423	>10000	>10000	>100	57.7	19.4	1364	18.41	38.1	786.5	0.4	54	595.2	119.0	0.3	<2	1.30
584903	Rock	5.80	5.139	13.2	1091	>10000	>10000	>100	55.8	17.8	1260	18.48	36.1	3268	<0.1	36	575.8	118.1	<0.1	<2	1.71
584904	Rock	5.23	2.312	19.6	2733	>10000	>10000	>100	82.5	9.8	931	22.59	40.4	3152	<0.1	19	350.0	93.0	<0.1	<2	1.03
584905	Rock	4.03	0.472	3.1	1376	7471	>10000	39.1	80.9	17.9	3210	6.15	11.2	316.8	0.7	156	34.8	7.4	0.4	17	2.60
584906	Rock	4.83	0.586	4.9	542.4	>10000	>10000	81.1	96.1	30.4	2309	9.42	41.4	438.8	0.6	85	134.5	28.5	0.4	29	1.71
584907	Rock	6.95	1.568	10.6	431.3	>10000	>10000	>100	39.4	4.5	708	20.60	128.8	1600	<0.1	16	533.1	181.1	<0.1	<2	0.34
584908	Rock	7.03	2.018	16.8	400.9	>10000	>10000	>100	47.9	3.1	793	21.74	114.7	2322	<0.1	25	543.0	110.4	<0.1	<2	0.48
584909	Rock	3.65	4.833	24.4	565.1	5199	>10000	>100	60.1	19.6	681	29.80	126.9	4406	<0.1	11	794.0	60.1	1.0	<2	0.40
584910	Rock	4.68	1.492	28.2	2087	5827	>10000	>100	61.7	31.4	292	30.63	152.8	1481	0.2	7	692.9	31.1	0.4	<2	0.07
584911	Rock	3.12	4.232	17.5	1227	8079	>10000	>100	97.1	28.5	1291	25.92	28.8	2582	0.1	16	331.4	6.0	0.3	<2	0.69
584912	Rock	5.33	3.564	27.1	741.8	3644	>10000	>100	91.6	24.0	134	25.27	161.4	3302	<0.1	72	294.3	34.9	<0.1	<2	0.02
584913	Rock	4.10	3.921	18.2	468.8	1273	>10000	>100	75.0	27.0	112	24.51	161.6	4039	<0.1	39	389.8	25.7	<0.1	<2	<0.01
584914	Rock	5.21	6.786	10.7	276.2	2096	>10000	>100	62.9	15.2	367	16.47	77.0	6097	2.0	34	159.7	4.9	0.3	2	0.31
584915	Rock	3.94	0.162	0.3	216.6	53.6	740	6.1	56.7	11.0	3587	6.19	1.4	153.4	1.6	99	1.9	0.5	0.2	45	2.80
584916	Rock	3.68	0.034	0.2	8.6	17.4	286	1.1	51.2	11.2	2593	3.62	<0.5	32.0	2.3	100	0.4	<0.1	<0.1	13	2.57
584917	Rock	4.02	0.048	<0.1	10.4	14.0	373	1.6	59.1	15.6	3275	4.27	<0.5	34.5	1.2	183	0.7	0.1	<0.1	18	3.87
584918	Rock	3.08	0.032	0.2	30.3	16.1	787	0.7	101.2	23.3	2773	4.78	<0.5	20.1	1.7	144	3.5	0.1	<0.1	27	2.75

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CERTIFICATE OF ANALYSIS

SMI12000501.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	Geo
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	So	Tl	S	Ga	Se	Te	Au	Gr
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	gm/t
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.06	1	0.6	0.2	0.9	0.9
584879	Rock	<0.001	<1	4	<0.01	9	<0.001	<20	0.12	0.015	0.06	<0.1	0.60	0.1	1.8	>10	<1	7.2	1.6	
584880	Rock	<0.001	<1	4	<0.01	9	<0.001	<20	0.14	0.015	0.06	<0.1	1.15	0.3	1.4	>10	<1	5.6	4.0	
584881	Rock	<0.001	<1	3	<0.01	9	<0.001	<20	0.14	0.014	0.06	<0.1	0.46	0.2	0.8	8.85	<1	3.3	2.3	
584882	Rock	<0.001	<1	3	<0.01	5	<0.001	<20	0.12	0.014	0.05	<0.1	0.43	<0.1	0.8	>10	<1	5.4	2.5	
584883	Rock	<0.001	<1	4	<0.01	2	<0.001	<20	0.09	0.014	0.06	<0.1	1.78	<0.1	0.2	>10	<1	6.2	4.6	
584884	Rock	0.001	<1	3	<0.01	2	<0.001	<20	0.11	0.018	0.04	<0.1	0.47	0.2	0.5	>10	<1	4.5	4.3	
584885	Rock	0.009	<1	12	0.32	2	0.001	<20	0.36	0.023	0.05	<0.1	1.18	0.9	2.5	>10	<1	6.8	3.9	
584886	Rock	0.007	<1	4	0.02	6	0.003	<20	0.19	0.014	0.06	0.3	8.81	0.4	5.1	6.37	<1	6.0	5.5	
584887	Rock	0.004	<1	6	0.07	4	0.001	<20	0.14	0.005	0.04	0.4	16.92	0.3	3.3	>10	1	6.3	4.0	
584888	Rock	<0.001	<1	4	<0.01	3	<0.001	<20	0.10	0.008	0.05	0.7	15.64	0.2	0.6	>10	1	3.4	5.5	
584889	Rock	0.005	<1	4	0.02	1	0.002	<20	0.10	0.007	0.04	0.5	18.34	0.3	1.5	>10	1	12.6	6.3	
584890	Rock	0.199	2	15	0.47	128	0.013	<20	0.96	0.014	0.10	0.1	1.78	1.8	0.7	0.47	5	2.7	5.0	
584901	Rock	0.016	<1	3	0.17	<1	0.001	<20	0.19	<0.001	0.05	<0.1	77.75	1.4	0.2	>10	<1	0.7	18.6	
584902	Rock	<0.001	<1	5	0.49	<1	<0.001	<20	0.06	<0.001	0.04	<0.1	>100	0.7	0.4	>10	1	25.3	15.0	
584903	Rock	<0.001	<1	5	0.74	<1	<0.001	<20	0.07	<0.001	0.01	<0.1	>100	0.4	0.7	>10	4	20.5	35.6	
584904	Rock	0.003	<1	6	0.38	<1	<0.001	<20	0.02	<0.001	<0.01	0.1	>100	0.4	0.9	>10	<1	12.2	18.1	
584905	Rock	0.028	1	19	1.10	27	0.003	<20	1.56	0.004	0.12	<0.1	15.58	4.3	0.5	3.07	5	0.9	0.8	
584906	Rock	0.079	1	44	1.17	29	0.004	<20	1.92	0.003	0.18	<0.1	35.32	3.9	1.3	6.61	5	7.3	2.1	
584907	Rock	<0.001	<1	5	0.08	<1	<0.001	<20	<0.01	<0.001	<0.01	0.1	>100	0.7	4.2	>10	3	12.0	7.6	
584908	Rock	<0.001	<1	6	0.18	<1	<0.001	<20	0.04	<0.001	0.01	<0.1	>100	<0.1	1.5	>10	4	8.8	9.8	
584909	Rock	<0.001	<1	3	0.20	<1	<0.001	<20	0.03	<0.001	<0.01	0.1	>100	0.6	1.5	>10	6	35.2	37.8	
584910	Rock	<0.001	<1	5	0.04	<1	<0.001	<20	0.06	<0.001	0.03	<0.1	>100	<0.1	2.7	>10	4	23.1	27.8	
584911	Rock	0.030	<1	37	0.83	<1	0.002	<20	1.09	<0.001	0.09	0.1	79.79	3.0	0.6	>10	6	9.1	19.8	
584912	Rock	<0.001	<1	8	0.02	2	<0.001	<20	0.06	<0.001	<0.01	<0.1	64.22	<0.1	6.8	>10	3	13.9	23.7	
584913	Rock	<0.001	<1	6	<0.01	<1	<0.001	<20	0.03	<0.001	<0.01	<0.1	89.07	0.8	3.9	>10	1	16.9	33.0	
584914	Rock	0.006	<1	5	0.13	2	<0.001	<20	0.23	0.004	0.11	<0.1	42.67	0.2	2.2	>10	1	15.7	41.3	
584915	Rock	0.018	2	7	1.53	199	0.009	<20	2.02	0.001	0.07	<0.1	0.64	4.0	<0.1	0.11	6	<0.5	1.4	
584916	Rock	0.031	3	12	1.02	235	0.002	<20	1.30	0.005	0.14	<0.1	0.24	3.0	0.1	<0.05	3	<0.5	0.2	
584917	Rock	0.040	3	16	1.34	152	0.003	<20	1.59	0.004	0.15	<0.1	0.20	4.2	<0.1	<0.05	4	<0.5	0.5	
584918	Rock	0.036	2	39	1.33	170	0.004	<20	2.15	0.004	0.19	<0.1	0.24	4.8	0.1	<0.05	5	<0.5	<0.2	

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Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.006	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.6	0.6	0.1	1	0.1	0.1	0.1	2	0.01	
584919	Rock	3.74	0.158	0.4	109.7	30.5	626	21.0	122.4	36.5	3761	6.61	13.2	183.9	1.3	62	0.7	1.2	0.4	38	2.53
584920	Rock	3.43	0.200	0.2	652.2	89.2	616	9.1	43.9	19.4	2608	5.75	1.7	127.2	1.7	109	1.0	0.3	0.5	32	2.39
584921	Rock	4.41	0.284	0.2	>10000	29.4	371	39.6	5.2	2.0	771	4.25	2.0	85.5	<0.1	50	2.8	1.4	<0.1	3	1.48
584922	Rock	5.30	2.507	10.6	>10000	4317	>10000	>100	90.4	58.1	937	25.24	50.0	1310	<0.1	77	350.2	11.7	0.9	<2	1.20
584923	Rock	6.31	4.253	14.2	1866	4686	>10000	>100	142.0	38.5	973	28.31	62.2	3182	1.5	31	500.6	6.4	0.2	<2	0.89
584924	Rock	5.86	4.009	13.6	3538	4778	>10000	>100	91.4	26.9	1502	32.07	54.2	1654	<0.1	34	745.2	19.5	0.2	<2	1.30
584925	Rock	5.73	1.443	12.3	1521	>10000	>10000	>100	93.7	20.4	1863	19.26	84.2	1057	1.4	94	709.8	13.6	0.1	<2	2.63
584926	Rock	8.42	1.295	12.6	1993	>10000	>10000	88.2	96.6	24.1	1290	16.91	88.7	972.5	2.1	65	470.1	11.8	0.4	<2	1.77
584927	Rock	4.51	0.029	<0.1	98.8	585.1	716	2.0	45.4	10.4	2710	2.11	0.8	17.5	4.1	59	3.0	0.2	0.1	4	2.46
584928	Rock	5.16	0.178	<0.1	512.8	227.9	275	7.9	16.2	6.3	1729	1.00	7.1	114.5	4.1	49	1.0	0.3	0.9	3	1.97
584929	Rock	3.28	0.057	0.1	23.8	40.8	513	2.2	100.1	18.4	5483	5.19	1.0	46.5	2.6	100	1.0	0.1	<0.1	12	3.99
584930	Rock	4.49	3.804	15.3	3076	814.2	2929	>100	103.4	31.9	1902	23.19	159.8	965.3	1.4	33	14.7	2.5	0.2	2	1.53
584931	Rock	5.07	>10	20.1	2430	3659	>10000	>100	84.3	27.6	1253	32.77	107.6	4812	0.1	33	441.9	18.6	0.3	<2	1.74
584932	Rock	2.59	0.101	0.5	69.1	123.4	3977	9.3	122.2	38.8	2622	7.55	2.6	74.0	0.4	70	15.7	0.2	<0.1	51	2.30
584933	Rock	6.33	1.142	2.3	112.1	116.7	>10000	39.5	145.9	96.7	801	19.44	30.7	1218	0.2	11	375.4	1.1	<0.1	16	0.55
584934	Rock	4.22	0.645	1.9	191.9	152.1	>10000	21.2	147.9	43.4	1065	10.93	24.9	598.0	0.4	33	67.1	0.7	<0.1	27	0.86
584935	Rock	4.69	1.164	23.5	3780	4880	>10000	>100	176.0	65.5	896	28.11	53.8	1245	0.1	19	276.9	5.4	0.1	13	0.59
584936	Rock	4.51	3.406	26.1	651.1	>10000	>10000	>100	143.0	32.4	1760	20.95	19.1	589.8	0.6	33	159.0	5.5	0.5	16	1.13
584937	Rock	3.95	0.053	0.4	133.9	172.7	780	2.9	41.0	7.3	3393	3.97	1.9	40.8	0.3	231	2.1	0.3	<0.1	25	5.15
584938	Rock	5.11	1.194	8.1	2108	4404	>10000	54.0	97.8	28.4	2543	14.50	22.4	1056	0.2	197	142.6	4.0	0.1	19	3.95
584939	Rock	3.35	1.842	20.4	1853	>10000	>10000	77.2	138.7	48.8	1676	21.47	27.4	1590	0.6	21	242.1	9.1	0.9	39	0.94
584940	Rock	4.89	5.893	0.5	975.6	449.3	1128	18.3	110.4	27.8	3706	8.14	15.8	1442	0.5	245	1.7	1.5	1.3	66	3.43
584941	Rock	4.58	1.833	34.4	1432	4397	>10000	>100	172.5	38.6	1249	28.75	154.1	3931	0.3	19	190.8	16.2	0.7	9	0.86
584942	Rock	3.18	0.236	0.1	116.1	60.6	670	6.1	53.4	11.3	1756	7.90	1.0	167.0	1.5	45	0.6	0.3	0.9	73	1.09
584943	Rock	3.41	0.119	0.3	11.9	89.5	488	1.4	55.3	15.0	3502	3.42	<0.5	93.8	0.8	256	1.7	0.2	<0.1	18	5.09
584944	Rock	2.98	0.005	0.1	9.1	9.7	513	0.3	90.0	27.5	3494	5.15	<0.5	12.5	0.5	142	0.7	0.2	<0.1	37	3.72
584945	Rock	4.82	0.027	0.3	6.9	11.7	309	0.2	68.4	30.7	>10000	4.57	<0.5	5.7	0.4	282	0.4	0.1	<0.1	46	9.37
584946	Rock	3.82	0.081	0.2	5.5	10.2	274	0.1	42.4	21.5	5369	3.96	0.6	2.8	0.2	260	0.6	0.1	<0.1	22	6.50
584947	Rock	5.31	0.023	0.2	15.3	8.7	449	0.8	92.4	22.4	3657	4.87	<0.5	13.5	1.3	167	0.8	0.1	<0.1	27	4.04
584948	Rock	3.77	3.753	9.8	2651	8860	>10000	>100	117.5	22.3	1621	16.55	24.9	26530	0.4	59	129.9	4.6	0.2	28	1.37

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Project: Foremore  
Report Date: November 19, 2012

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CERTIFICATE OF ANALYSIS

SMI12000501.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	GeGr
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	So	Tl	S	Ga	Se	Te	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	gm/t
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.06	1	0.6	0.2	0.9	
584919	Rock	0.047	2	36	2.21	150	0.004	<20	2.74	0.003	0.19	<0.1	0.34	8.3	0.2	0.71	7	0.6	0.4	
584920	Rock	0.020	2	11	1.48	63	0.005	<20	2.23	0.005	0.06	<0.1	0.69	3.4	<0.1	0.09	6	<0.5	0.8	
584921	Rock	0.007	<1	14	0.10	18	<0.001	<20	0.09	0.007	<0.01	<0.1	1.28	0.9	<0.1	1.96	<1	2.5	<0.2	
584922	Rock	0.007	<1	6	0.22	1	<0.001	<20	0.16	<0.001	0.02	<0.1	51.39	1.4	1.1	>10	1	13.5	25.6	
584923	Rock	0.003	<1	3	0.33	<1	<0.001	<20	0.19	<0.001	0.10	<0.1	92.66	<0.1	1.8	>10	3	20.5	51.2	
584924	Rock	<0.001	<1	3	0.46	<1	<0.001	<20	0.10	<0.001	0.02	<0.1	>100	0.3	1.0	>10	4	10.2	39.7	
584925	Rock	<0.001	<1	4	1.09	1	<0.001	<20	0.37	<0.001	0.10	<0.1	>100	0.3	1.2	>10	6	12.8	17.8	
584926	Rock	0.004	<1	4	0.73	<1	<0.001	<20	0.20	<0.001	0.13	<0.1	>100	0.2	1.4	>10	3	16.0	15.3	
584927	Rock	0.018	5	1	1.29	169	<0.001	<20	0.78	0.007	0.19	<0.1	0.35	0.8	0.2	0.09	2	<0.5	<0.2	
584928	Rock	0.012	3	1	0.75	141	<0.001	<20	0.25	0.007	0.18	<0.1	0.43	0.6	0.2	0.16	<1	2.1	0.6	
584929	Rock	0.044	6	6	2.34	205	0.003	<20	2.10	<0.001	0.14	<0.1	0.19	4.0	<0.1	<0.05	4	<0.5	0.5	
584930	Rock	0.016	<1	3	0.76	2	0.001	<20	0.68	0.003	0.11	<0.1	5.54	1.8	1.7	>10	3	16.8	15.9	
584931	Rock	<0.001	<1	3	0.63	4	<0.001	<20	0.07	<0.001	0.02	<0.1	86.90	1.1	1.9	>10	4	32.2	76.9	7.9
584932	Rock	0.139	1	69	2.10	116	0.005	<20	2.96	0.001	0.19	<0.1	3.12	5.9	0.1	1.31	6	<0.5	1.1	
584933	Rock	0.056	<1	67	1.03	11	0.002	<20	1.32	<0.001	0.14	<0.1	92.91	3.1	0.2	>10	3	6.9	5.8	
584934	Rock	0.066	1	71	1.35	14	0.003	<20	1.93	<0.001	0.19	<0.1	16.40	3.4	0.3	8.81	4	2.0	3.3	
584935	Rock	0.022	<1	57	0.77	1	0.002	<20	1.07	<0.001	0.10	<0.1	64.58	2.7	1.2	>10	3	27.0	6.6	
584936	Rock	0.019	<1	10	1.04	1	0.003	<20	1.48	0.002	0.09	<0.1	40.23	2.3	0.7	>10	4	22.7	5.1	
584937	Rock	0.027	2	11	1.48	67	0.003	<20	1.65	0.001	0.04	<0.1	0.98	5.2	<0.1	0.14	4	<0.5	0.4	
584938	Rock	0.029	<1	23	1.17	5	0.002	<20	1.40	0.002	0.08	<0.1	31.46	3.2	0.6	>10	3	9.0	6.1	
584939	Rock	0.014	<1	32	1.17	<1	0.007	<20	1.78	<0.001	0.08	<0.1	69.26	3.7	0.5	>10	7	21.6	9.7	
584940	Rock	0.032	2	8	1.89	36	0.016	<20	2.84	<0.001	0.01	<0.1	1.02	6.7	0.2	1.09	11	0.8	2.0	
584941	Rock	0.021	<1	12	0.41	<1	0.002	<20	0.43	0.003	0.06	<0.1	38.60	1.5	4.9	>10	3	20.5	17.2	
584942	Rock	0.031	3	8	1.45	226	0.021	<20	2.55	<0.001	0.08	0.1	0.44	4.6	<0.1	<0.05	7	0.5	0.9	
584943	Rock	0.026	1	22	1.09	191	0.002	<20	1.21	0.004	0.10	<0.1	0.43	5.6	<0.1	0.07	3	<0.5	<0.2	
584944	Rock	0.161	2	48	1.71	211	0.004	<20	2.12	0.004	0.17	<0.1	0.37	6.4	0.1	<0.05	5	<0.5	<0.2	
584945	Rock	0.097	3	46	3.51	128	0.003	<20	1.63	0.004	0.11	<0.1	0.15	7.3	<0.1	<0.05	4	<0.5	<0.2	
584946	Rock	0.084	2	26	1.96	191	0.002	<20	1.21	0.006	0.12	<0.1	0.19	6.3	<0.1	<0.05	3	<0.5	<0.2	
584947	Rock	0.050	2	12	1.50	160	0.003	<20	1.84	0.004	0.12	<0.1	0.29	5.1	<0.1	<0.05	5	<0.5	<0.2	
584948	Rock	0.024	1	11	1.58	5	0.004	<20	2.12	0.002	0.08	<0.1	46.09	3.5	0.3	>10	8	7.9	8.9	

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**CERTIFICATE OF ANALYSIS**

**SMI12000501.1**

Method	WGHT	G8	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.006	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.6	0.6	0.1	1	0.1	0.1	0.1	2	0.01	
584949	Rock	4.43	1.372	11.9	4892	>10000	>10000	98.2	142.1	63.8	1530	20.72	43.6	984.3	0.4	36	344.4	8.9	<0.1	27	1.07
584950	Rock	4.25	2.369	16.8	>10000	>10000	>10000	>100	73.2	40.7	820	23.93	20.3	3209	0.4	29	344.2	37.0	0.2	<2	0.59
1132301	Rock	2.25	0.127	6.8	294.4	86.5	270	4.5	18.4	23.9	659	5.54	142.0	122.2	0.6	31	0.9	3.3	0.2	45	2.24
1132302	Rock	2.50	0.015	1.9	94.0	95.9	176	1.4	4.8	12.5	1194	6.26	214.5	18.8	0.2	174	1.0	6.2	<0.1	10	7.22
1132325	Rock	3.51	0.157	0.2	106.5	26.9	124	0.6	10.2	22.0	1454	5.83	32.4	137.5	0.2	231	0.3	<0.1	0.4	57	4.13
1132326	Rock	3.14	0.008	2.2	19.4	12.9	54	0.2	8.2	2.3	2081	1.12	20.3	16.7	0.4	513	0.3	0.3	<0.1	16	31.34
1132327	Rock	2.86	0.012	3.6	71.4	109.7	126	1.4	3.4	9.3	269	4.42	175.6	11.6	0.3	75	2.3	3.0	<0.1	10	1.48

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CERTIFICATE OF ANALYSIS

SMI12000501.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	GeGr
Analyte	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	So	Tl	S	Ga	Se	Te	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.06	1	0.6	0.2	0.8	
584949	Rock	0.024	<1	70	1.62	25	0.003	<20	2.15	<0.001	0.10	<0.1	77.32	4.4	0.2	>10	8	9.9	7.3	
584950	Rock	0.018	<1	<1	0.19	<1	<0.001	<20	0.10	0.011	0.04	<0.1	>100	2.9	0.2	>10	<1	14.0	14.6	
1132301	Rock	0.219	4	3	0.81	27	0.358	<20	1.06	0.005	0.19	1.0	0.53	4.1	0.4	3.90	3	2.5	0.5	
1132302	Rock	0.093	4	2	0.36	10	0.002	<20	0.81	0.002	0.23	<0.1	0.28	2.8	2.7	5.20	2	<0.5	<0.2	
1132325	Rock	0.090	3	7	1.95	14	0.003	<20	2.04	0.017	0.12	<0.1	0.15	4.9	<0.1	3.36	6	0.6	0.4	
1132326	Rock	0.032	4	4	0.28	64	0.008	<20	0.37	0.001	0.04	<0.1	0.05	1.2	<0.1	0.14	1	<0.5	<0.2	
1132327	Rock	0.108	4	1	0.03	29	0.023	<20	0.21	0.041	0.12	<0.1	0.31	2.5	0.3	1.96	<1	<0.5	<0.2	

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## QUALITY CONTROL REPORT

SMI12000501.1

Method	WGHT	G8	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.006	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.6	0.6	0.1	1	0.1	0.1	0.1	2	0.01	
<b>Pulp Duplicates</b>																					
584875	Rock	3.77	0.017	0.4	47.6	52.0	207	0.3	2.1	5.5	707	3.38	42.8	31.9	1.7	15	0.6	0.2	0.1	12	0.79
REP 584875	QC		0.016	0.4	47.4	57.7	219	0.2	2.3	5.2	709	3.40	42.8	20.9	1.7	15	0.5	0.2	0.1	12	0.79
584876	Rock	4.47	0.721	1.8	104.6	6153	2315	5.3	3.0	5.0	245	5.83	974.2	656.1	1.1	8	12.5	1.6	0.7	19	0.14
REP 584876	QC			1.8	104.0	6105	2308	5.2	3.3	5.0	243	5.84	973.3	686.7	1.1	8	13.0	1.5	0.8	19	0.12
584920	Rock	3.43	0.200	0.2	652.2	89.2	616	9.1	43.9	19.4	2608	5.75	1.7	127.2	1.7	109	1.0	0.3	0.5	32	2.39
REP 584920	QC			0.2	645.7	90.8	614	9.0	45.1	19.5	2589	5.67	1.8	152.2	1.8	108	0.8	0.3	0.5	32	2.40
1132326	Rock	3.14	0.008	2.2	19.4	12.9	54	0.2	8.2	2.3	2081	1.12	20.3	16.7	0.4	513	0.3	0.3	<0.1	16	31.34
REP 1132326	QC			2.4	18.8	11.5	49	0.2	6.3	2.3	2117	1.14	19.6	7.5	0.4	532	0.4	0.3	<0.1	16	31.69
<b>Core Reject Duplicates</b>																					
584881	Rock	4.12	0.166	17.6	790.5	84.7	238	7.9	1.6	1.3	34	9.36	24.2	178.5	0.2	4	0.8	2.9	4.9	<2	<0.01
DUP 584881	QC	N.A.	0.162	18.0	770.6	84.0	245	7.8	1.8	1.5	31	9.70	22.6	179.0	0.2	4	0.7	2.8	5.0	<2	<0.01
584925	Rock	5.73	1.443	12.3	1521	>10000	>10000	>100	93.7	20.4	1863	19.26	84.2	1057	1.4	94	709.8	13.6	0.1	<2	2.63
DUP 584925	QC	N.A.	1.566	12.0	1347	>10000	>10000	>100	87.0	17.5	1728	17.80	76.5	6366	1.1	80	652.7	12.8	0.4	<2	2.44
<b>Reference Materials</b>																					
STD AGPROOF	Standard																				
STD D69	Standard			11.7	110.8	137.6	316	2.0	41.5	7.7	575	2.28	24.2	93.8	6.2	75	2.6	5.0	6.8	37	0.71
STD D69	Standard			12.5	107.7	129.5	306	1.6	39.3	7.4	568	2.27	25.1	106.3	5.9	67	2.5	4.2	6.1	36	0.70
STD D69	Standard			11.4	117.8	122.3	301	1.8	37.6	7.2	552	2.28	25.4	85.1	6.7	80	2.3	3.1	6.4	37	0.70
STD OREAS45EA	Standard			1.4	671.2	16.6	33	0.3	372.1	52.6	401	24.36	10.9	54.7	10.8	3	<0.1	0.2	0.2	293	0.04
STD OREAS45EA	Standard			1.1	659.4	18.7	43	0.3	361.6	49.6	409	20.08	7.2	59.3	10.1	4	<0.1	0.2	0.3	294	0.03
STD OREAS45EA	Standard			1.2	656.1	14.1	26	0.3	360.2	49.6	386	20.38	8.0	48.8	9.7	3	<0.1	0.2	0.2	288	0.03
STD OREAS45EA	Standard			1.3	660.6	16.2	38	0.3	378.0	50.6	393	21.71	7.6	53.7	10.9	3	<0.1	0.1	0.2	308	0.05
STD OXG99	Standard		0.958																		
STD OXG99	Standard		0.976																		
STD OXG99	Standard		0.976																		
STD OXG99	Standard		0.963																		
STD OXG99	Standard		0.953																		
STD OXG99	Standard		0.844																		



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## QUALITY CONTROL REPORT

SMI12000501.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G80r
Analyte	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	So	Tl	S	Ga	Se	Te	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	gm/t
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.06	1	0.6	0.2	0.6	
<b>Pulp Duplicates</b>																				
584875	Rock	0.143	17	3	1.13	147	0.002	<20	1.92	0.012	0.43	<0.1	0.02	1.9	<0.1	0.57	4	<0.5	<0.2	
REP 584875	QC	0.146	17	3	1.15	151	0.002	<20	1.95	0.014	0.44	<0.1	<0.01	1.9	<0.1	0.58	4	0.7	<0.2	
584876	Rock	0.103	4	7	0.40	57	0.002	<20	0.92	0.007	0.27	<0.1	0.29	2.0	<0.1	2.25	3	3.3	0.5	
REP 584876	QC	0.096	4	7	0.40	58	0.002	<20	0.93	0.007	0.28	<0.1	0.32	2.1	<0.1	2.26	3	3.2	0.5	
584920	Rock	0.020	2	11	1.48	63	0.005	<20	2.23	0.005	0.06	<0.1	0.69	3.4	<0.1	0.09	6	<0.5	0.8	
REP 584920	QC	0.020	2	11	1.48	63	0.005	<20	2.25	0.005	0.06	<0.1	0.64	3.6	<0.1	0.09	7	<0.5	0.8	
1132326	Rock	0.032	4	4	0.28	64	0.008	<20	0.37	0.001	0.04	<0.1	0.05	1.2	<0.1	0.14	1	<0.5	<0.2	
REP 1132326	QC	0.032	4	4	0.29	64	0.008	<20	0.39	<0.001	0.04	<0.1	0.03	1.1	<0.1	0.14	1	<0.5	<0.2	
<b>Core Reject Duplicates</b>																				
584881	Rock	<0.001	<1	3	<0.01	9	<0.001	<20	0.14	0.014	0.06	<0.1	0.46	0.2	0.8	8.85	<1	3.3	2.3	
DUP 584881	QC	<0.001	<1	3	<0.01	10	<0.001	<20	0.14	0.015	0.06	<0.1	0.47	<0.1	0.7	9.24	<1	3.7	2.7	
584925	Rock	<0.001	<1	4	1.09	1	<0.001	<20	0.37	<0.001	0.10	<0.1	>100	0.3	1.2	>10	6	12.8	17.8	
DUP 584925	QC	<0.001	<1	<1	1.03	<1	<0.001	<20	0.32	<0.001	0.09	0.2	>100	0.4	1.4	>10	5	13.7	15.6	
<b>Reference Materials</b>																				
STD AGPROOF	Standard																			<0.9
STD D69	Standard	0.080	12	118	0.62	323	0.110	<20	0.95	0.078	0.40	2.8	0.25	2.3	5.4	0.17	4	5.6	5.2	
STD D69	Standard	0.079	11	117	0.60	313	0.104	<20	0.92	0.081	0.39	2.4	0.22	2.2	5.0	0.16	4	6.8	4.9	
STD D69	Standard	0.081	13	110	0.60	315	0.105	<20	0.93	0.081	0.39	2.8	0.20	2.6	5.0	0.16	5	5.0	5.1	
STD OREAS45EA	Standard	0.028	7	897	0.10	150	0.094	<20	3.17	0.023	0.06	<0.1	0.02	79.6	<0.1	<0.05	13	0.7	<0.2	
STD OREAS45EA	Standard	0.027	7	753	0.10	155	0.089	<20	3.00	0.018	0.05	<0.1	0.02	72.0	<0.1	<0.05	12	<0.5	<0.2	
STD OREAS45EA	Standard	0.027	6	805	0.09	141	0.086	<20	2.93	0.018	0.05	<0.1	0.02	70.0	<0.1	<0.05	11	0.7	0.2	
STD OREAS45EA	Standard	0.030	7	848	0.10	161	0.095	<20	3.07	0.016	0.05	<0.1	0.03	79.9	<0.1	<0.05	13	<0.5	<0.2	
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
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Project: Foremore  
 Report Date: November 19, 2012

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QUALITY CONTROL REPORT

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		WGHT	G8	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.006	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	0.1	2	0.01
STD OXK94	Standard		3.739																			
STD OXK94	Standard		3.681																			
STD OXK94	Standard		3.645																			
STD OXK94	Standard		3.727																			
STD OXK94	Standard		3.320																			
STD OXK94	Standard		3.518																			
STD SP49	Standard																					
STD OXG99 Expected			0.932																			
STD OXK94 Expected			3.562																			
STD SP49 Expected																						
STD AGPROOF Expected																						
STD OREAS45EA Expected				1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	53	10.7	4.05	0.03	0.64	0.26	295	0.032	
STD D69 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		0.006																			
BLK	Blank		<0.005																			
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	
BLK	Blank		<0.005																			
BLK	Blank			<0.1	<0.1	0.6	4	<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	
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	
BLK	Blank																					

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		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G8Or	
		P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	So	Tl	S	Ga	Se	Te	Au	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.06	1	0.6	0.2	0.6	
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD SP49	Standard																				18.5
STD OXG99 Expected																					
STD OXK94 Expected																					
STD SP49 Expected																					18.34
STD AGPROOF Expected																					0
STD OREAS45EA Expected		0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7	2.09	0.11		
STD D69 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02		
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.06	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																				<0.9

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		WGHT	G8	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.006	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.6	0.6	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank																				
BLK	Blank			<0.1	0.8	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1-SMI	Prep Blank	<0.01	<0.005	0.1	3.0	7.1	55	<0.1	4.6	4.2	582	2.05	1.1	<0.5	5.1	48	<0.1	<0.1	<0.1	35	0.49
G1-SMI	Prep Blank	<0.01	0.014	<0.1	2.4	9.0	52	<0.1	3.9	4.4	580	2.03	10.4	11.9	5.0	57	<0.1	<0.1	<0.1	36	0.47



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		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G8Or
		P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	So	Tl	S	Ga	Se	Te	Au
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.06	1	0.6	0.2	0.6
BLK	Blank																			<0.9
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1-SMI	Prep Blank	0.077	8	9	0.63	233	0.118	<20	0.93	0.079	0.48	<0.1	0.01	2.2	0.3	<0.05	5	<0.5	<0.2	
G1-SMI	Prep Blank	0.078	9	8	0.59	239	0.123	<20	1.02	0.110	0.51	<0.1	0.01	2.2	0.3	<0.05	5	<0.5	<0.2	

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