

**2011
ASSESSMENT REPORT
ON THE
RUBY PROPERTY**

OMINECA MINING DIVISION, BRITISH COLUMBIA

**BCGS MAP 094C.025 AND 094C.015
LATITUDE 56.22478°N & LONGITUDE 125.09911°W
STATEMENT OF WORK EVENT #: 5150574**

PREPARED FOR:

BROCADE METALS CORP
1200-1100 MELVILLE STREET
VANCOUVER BC, V6E 4A6

PREPARED BY:

JOHN R. DEGRACE, PENG/PGEO
BETHANY JACOBSON, GIT
PLATEAU MINERALS CORP
#7 - 1750 S. QUINN STREET
V2N 1X3

February 21, 2012

Table of Contents

1	SUMMARY	1
2	INTRODUCTION	3
2.1	LOCATION AND ACCESS	3
2.2	PHYSIOGRAPHY AND CLIMATE.....	3
2.3	MINERAL TENURE OWNERSHIP AND STATUS.....	5
2.4	EXPLORATION HISTORY.....	5
3	REGIONAL GEOLOGY	9
4	REGIONAL GEOLOGY	11
5	MINERALIZATION AND GEOLOGICAL MODEL.....	12
5.1	MINERALIZATION	12
5.2	GEOLOGICAL MODEL	14
6	2011 EXPLORATION PROGRAM	14
7	SAMPLE PREPARATION, ANALYSES, QA/QC AND SECURITY	27
8	DATA VERIFICATION.....	28
9	RESULTS.....	28
10	INTERPRETATION AND CONCLUSIONS.....	30
11	RECOMMENDATIONS.....	30
12	ITEMIZED COST STATEMENT – RUBY PROPERTY	31
13	REFERENCES	33
14	STATEMENT OF QUALIFICATIONS.....	34

List of Figures

Figure 1:	Ruby Property – Location.....	4
Figure 2:	Ruby Property – Claim Map Showing Road Access.....	8
Figure 3:	Generalized Geology of the Ruby Property Area	10
Figure 4:	2011 Trench Examination – Main Showing Indicating Locations of Channel Samples.....	16
Figure 5:	2011 Expanded Trench Area – Aerial View	17
Figure 6:	F3 Folds in the Main Showing Trench, Modifying an S1/S2 Composite Fabric, with S2 Prominent	17
Figure 7:	Site of Channel Samples 3541 (markers left to centre) and 3542 (markers centre to right (see Table 2)	20
Figure 8:	2011 Regional Overburden Sample Locations Showing Au and Ag Results	22
Figure 9:	Precision GeoSurveys Airborne Geophysical Survey Areas	24
Figure 10:	Precision GeoSurveys Total Magnetic Intensity in the Ruby Property Area (2011)	25
Figure 11:	Total Magnetic Field Centred on the Main Showing	26

Figure 12: Precision GeoSurveys Total Count Radiometric Data in the Ruby Property Area (2011)..... 27

List of Tables

Table 1: Ruby Property – Mineral Claims..... 6

Table 2: 2011 Lithogeochemical Results from Channel Samples in Main Showing Trench..... 19

Table 3: 2011 Lithogeochemical Results from Duplicate Channel Samples in Main Showing Trench (see Table 2) 20

Table 4: 2011 Prospecting Lithogeochemical Results (see Figure 11 for sample locations) 20

Table 5: Subset of Samples from Table 4 Showing Weakly Anomalous Values..... 24

List of Appendices

Appendix A – Laboratory Certificate

1 Summary

The Ruby silver-gold property is located in the Omineca Mining Division of north-central British Columbia, approximately 320 km northwest of Prince George, British Columbia. The property covers 9424.4 hectares of prospective geology and straddles Jimmay Creek in the Tenakihi Range of the Central Plateau and Mountain physiographic region. The property is considered to be a grassroots exploration project, but one where historical exploration has outlined significant high-grade silver +/- gold vein mineralization.

Brocade Metals Corp. (Brocade) has an option to earn a 100% interest in the Ruby property subject to a net smelter return ("NSR") from CJL Enterprises Ltd. and Westley Luck. Brocade must fulfill certain obligations, including cash payments, share issuance and exploration expenditures to earn its interest in the property.

The Ruby property is located in the western part of the Cassiar Terrane near its contact with the Harper Ranch and Slide Mountain terranes. It is underlain primarily by impure quartzite and quartz-mica schist of the Upper Proterozoic Ingenika Group.

High-grade silver +/- gold vein mineralization was discovered along Jimmay Creek in 1944 by prospectors working for Cominco. The most significant development was the "No. 4 Cut," which opened up the initial discovery area along its north-easterly trend for almost 150 metres. Not all of the veins encountered were well mineralized, but channel samples of ruby silver, native silver and polymetallic sulphide-bearing quartz veins returned assays as high as 3240 g/t Ag and 2.74 g/t Au over 1.2 metres. Highly mineralized float was found to cover an area measuring 360 m by 150 m mainly upslope and upstream of the No. 4 Cut and assayed up to 13,049 g/t Ag silver.

In 2011 Cominco's approximate 8 km overgrown access road to its camp was rehabilitated and a seasonal field camp constructed at its original terminus. An additional access road from the camp to the Main showing, about 1 km distant, was constructed, and helicopter landing areas cleared at both the camp and Main showing. The original trench at the Main showing was re-opened into three "panels" within which bedrock mapping was undertaken and from which channel samples were collected for analysis. Work in the Main showing confirmed that mineralization is confined mostly to one of the three quartz vein sets present there. These veins are vertical to subvertical and strike approximately 030 degrees along the trend of the trench. In places, samples from these veins are strongly anomalous in gold and silver, and the entire trench area is high in gold compared to the surrounding area. Nothing is known of the subsurface extension of the showings in the trench area, however.

Overburden sampling (primarily soil) was conducted north and South of Jimmay Creek, following approximately the 1500m contour north of the Creek and the 1400m contour south of the Creek. Except for one weakly anomalous group of samples that merits follow-up, the results were unremarkable and reinforced the need to concentrate on the Main showing area. In addition, the area

of investigation was the subject of a helicopter-borne radiometric and magnetometer survey which defined an anomalous zone along the course of Jimmay creek downstream of the Main Showing.

Further evaluation of the Main showing veins by diamond drilling is recommended to seek extension of the surface mineralization at depth, as well as a modest geochemical sampling program in the weakly anomalous zone north of Jimmay Creek and downstream of the Main showing. Also included is detailed interpretation of the 2011 airborne geophysical results, supplemented by local ground-based spectrometrics. The estimated cost of this program is approximately \$475,000.

2 Introduction

This report summarizes results of an exploration program conducted on the Ruby property in August and September, 2011. The work included upgrading and modification of an overgrown access road, trenching the Main Showing area, detailed mapping and sampling of the Main Showing, contour soil sampling, stream sediment sampling, and an airborne geophysical survey.

Brocade Metals Corp (Brocade) contracted Plateau Minerals Corp to conduct the program on the Ruby property. This report was prepared by Qualified Person John R. DeGrace, PEng/PGeo and Bethany Jacobson, GIT.

2.1 LOCATION AND ACCESS

The Ruby property is located approximately 320 km northwest of Prince George in the Omineca Mining Division of north-central British Columbia (Figure 1). The property is centered at Latitude 56.22478° N and Longitude 125.09911° W. The nearest well-populated communities are Fort St James (pop. 4800), located approximately 210 km to the south, and Mackenzie (pop. 4500), located 160 km to the southeast.

Access to the edge of the property is provided by the Finlay Forest Service Road (FSR), a mainline logging and mine access road that leaves Highway 97 just west of the Parsnip River, 27 km south of Mackenzie. Driving distance along the Finlay FSR to the edge of the property, 6 km north of the Osilinka logging camp is approximately 225 km. At that point, an overgrown 1940s-era exploration road branches off from the Finlay FSR and extends eastward for 8 km to the centre of the property. Just off the Finlay FSR there is a parking area and the last 8 km of road is only accessible by quad.

The Ruby property is not encumbered by any provincial or national parks, or other protected areas.

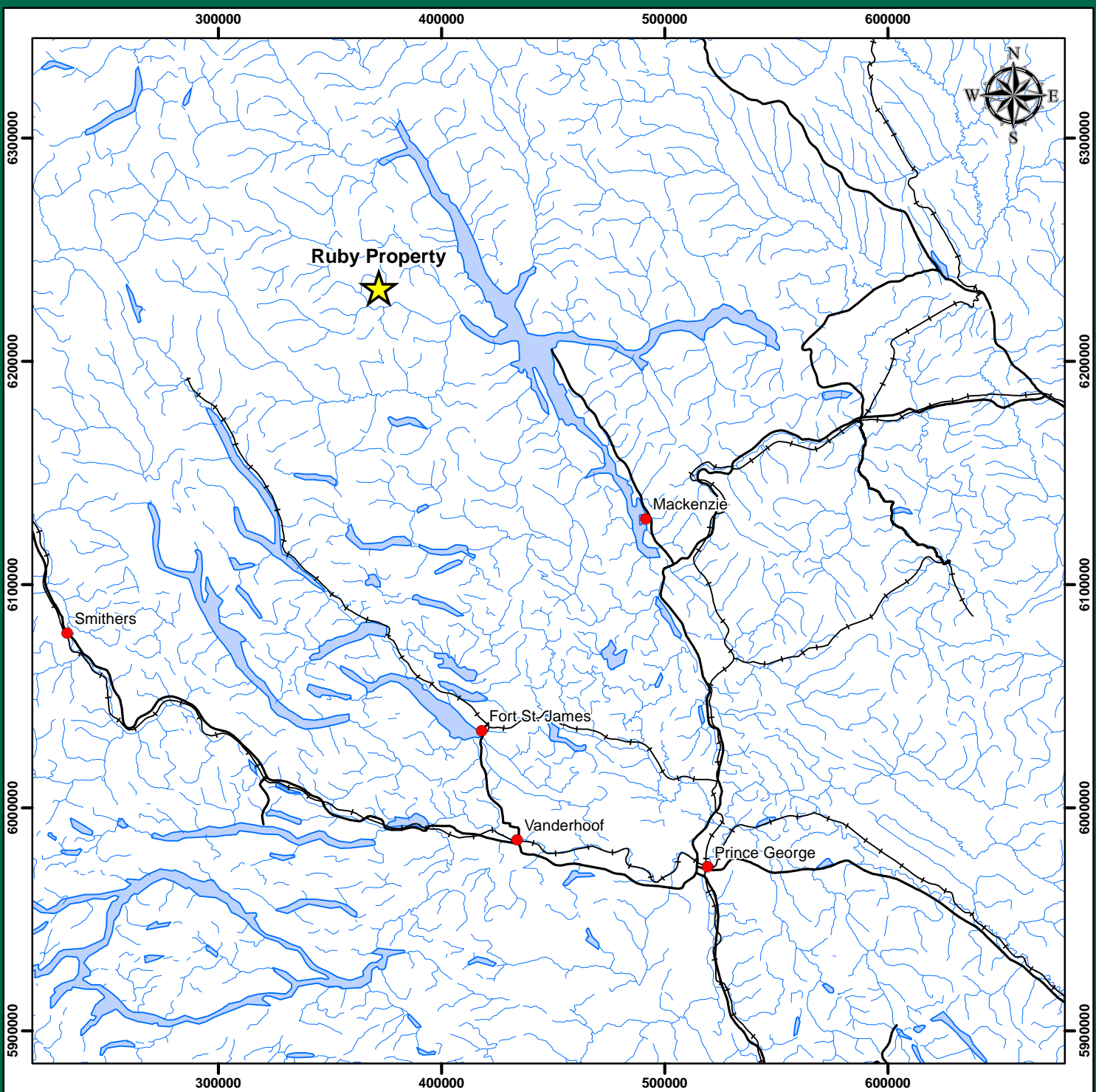
As of November 2011 the Ruby property comprised 27 mineral claims covering 9,424.4 ha in the Omineca Mining Division (Table 1 and Figure 2).

2.2 PHYSIOGRAPHY AND CLIMATE

The Ruby property straddles Jimmay Creek in the Tenakihi Range, a small subrange of the Swannell Ranges of the Omineca Mountains of the Central Plateau and Mountain physiographic region.

Topographic elevations within the claim group range from about 1200 to just over 2000 meters. The lower slopes are covered by open forest dominated by mature stands of spruce and pine. Higher elevations are covered by sparsely treed slopes, scree and talus. Bedrock is well-exposed on steeper slopes and along ridge crests.

The Omineca Mountains are known for severe, snowy winters and short, warm summers. Seasonal temperatures for the property are not available, but those for Fort St James average daily highs of about 20°C through the summer months and average daily lows of -14°C in the winter. Annual average rainfall is approximately 29 cm, while the average snowfall is about 200 cm.



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Ruby Property

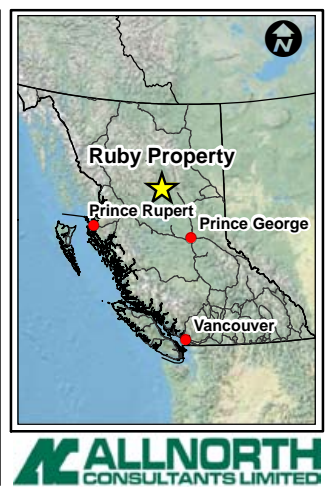
Figure 1

Location Map

Date: 11/2/2011
 Projection: NAD 1983 UTM Zone 10N
 Scale: 1:2,500,000
 Author: ainglis
 Last Modified By: tkwitkoski
 Checked By:
 Revision #:

Legend

- Location
- City or Town
- Road
- Railway
- River
- Lake



2.3 MINERAL TENURE OWNERSHIP AND STATUS

On June 1st 2010, Plateau Minerals Corp optioned the Ruby (or Jimmay) property, from CJL Enterprises Ltd. (CJL) and Westley Luck (Luck). The option agreement was subsequently reassigned to Brocade Minerals Corp on July 8th, 2010. The claims are held by CJL and Luck in accordance with an earn-in agreement whereby Brocade can earn a 100% interest in the claims (less a 2% NSR) if its meets the obligations of the 4-year agreement. The claims are not otherwise subject to any underlying interests. The Ruby property is not encumbered by any provincial or national parks, or other protected areas. Additional claims were staked by Brocade Director Bob Lane to extend the optioned ground. In total, the Ruby property consists of 27 Claims totaling 9,424.41 hectares in the Omineca Mining Division (Table 1 and Figure 2).

2.4 EXPLORATION HISTORY

The Ruby property has a limited and sporadic history of mineral exploration. Historic placer mining on Jimmay Creek (MINFILE 094C 026) in the periods 1881-1885 and 1936-1940, produced a recorded 88 ounces of gold (Holland, 1950). Prospectors working for Cominco in 1944 discovered high-grade silver vein mineralization several kilometers upstream of the placer workings. Eight claims were staked later that year to cover the discovery (MINFILE 094C 022) and what is now the central part of the Ruby property. Work completed by Cominco in 1944-46 consisted of road building, overburden stripping and dozer trenching (Roots, 1954). Trenching exposed well-mineralized veins in several areas, but the most significant development was the No. 4 Cut, which opened up the initial discovery area along its north-easterly trend for almost 150 metres. The work, which also included hydraulic stripping, exposed a structurally complex zone of folds, shears and quartz veins. Three types of veins were described. From earliest to latest: barren to weakly mineralized quartz tourmaline veins (Type A), gold-silver bearing arsenical quartz veins (Type B), and ruby silver+/-gold bearing quartz veins (Type C). Type A veins trend northwest, are sub-vertical and can reach widths in excess of 8 m. Type B and Type C veins were reported to trend from 020 to 030 degrees and dip approximately 50 degrees to the southeast. The early work was verified by government geologists E.F. Roots (in 1948) and J.W. McCammon (in 1952), both of whom later published their findings. The initial work was not followed up and Cominco allowed the claims to lapse in 1957.

In 1962, the area was re-staked as the “Ruby” claims by Emil Bronlund on behalf of the Mesilinka Syndicate. Reports by Bronlund (1962a, 1962b) briefly reference other silver-rich vein showings and prospective areas located well outside of the No. 4 Cut. His reports also recommended exploration programs, but it is not known if any of his suggestions were carried out.

In 1987, Skylark Resources staked the area as the “Cabin” claims and completed a brief assessment of the main showing area and the “Goats” prospect located approximately 6 km to the southeast (McAtee and Hopper, 1988). Skylark’s work included prospecting, rock chip sampling, mapping, and soil and silt sampling. The claims were later allowed to lapse.

Table 1: Ruby Property – Mineral Claims

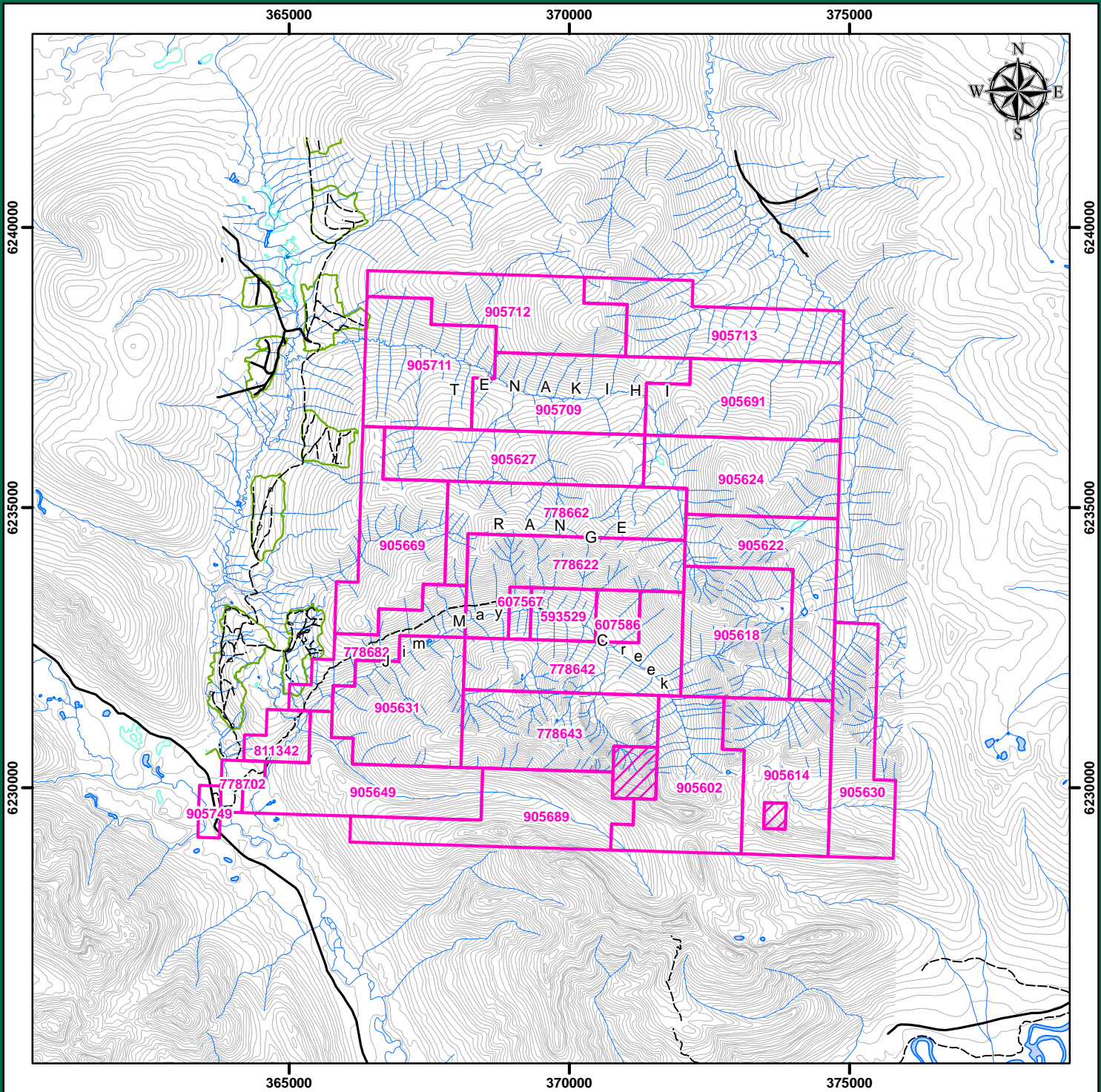
Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
593529	JIMMAY CREEK	1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2008/oct/28	2012/dec/31	GOOD	107.93
607586	GOLDDIGGER 3	1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2009/jul/10	2012/dec/31	GOOD	71.95
607567	GOLDDIGGER 2	1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2009/jul/10	2012/dec/31	GOOD	35.98
778702		1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2010/may/24	2011/dec/31	GOOD	54.01
811342		1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2010/jul/09	2011/dec/31	GOOD	89.99
778682		1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2010/may/24	2011/dec/31	GOOD	233.88
778662		1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2010/may/24	2011/dec/31	GOOD	431.53
778622		1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2010/may/24	2012/dec/31	GOOD	431.63
778642		1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2010/may/24	2011/dec/31	GOOD	431.78
778643		1413129 (50%) 215537 (50%)	Mineral	Claim	094C	2010/may/24	2011/dec/31	GOOD	449.91
905602	RUBY 01	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	450.00
905614	RUBY 02	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	449.97
905618	RUBY 03	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	449.71
905622	RUBY 04	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	431.63
905624	RUBY 05	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	449.43
905627	RUBY 06	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	431.43
905630	RUBY 07	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	377.94
905631	RUBY 08	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	449.88
905649	RUBY 09	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	432.03
905669	RUBY 10	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	431.59
905689	RUBY 11	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	450.07
905691	RUBY 12	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	449.29
905709	RUBY 13	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	449.29
905711	RUBY 14	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	449.25
905712	RUBY 15	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	449.14
905713	RUBY 16	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	449.16
905749	RUBY 17	115043 (100%)	Mineral	Claim	094C	2011/oct/06	2012/oct/06	GOOD	36.01
*Claims are owned by CJL Enterprises Ltd. (215537), Westley Luck (143129) and Robert Lane (115043)							27 Claims totaling 9,424.41 hectares		

In 1991, the area was staked by Lorne Warren as the Jimmay property. Claims have been maintained in good-standing over the core area of interest by him almost continuously since that time (Warren, personal communication to R. Lane).

In 2001, 'B' horizon soil geochemical samples were collected on 50 m centres over an 800 m x 400 m grid centered on the No. 4 Cut. The soils were only weakly anomalous in gold, silver and base metals, but a vague northeast-trending polymetallic pattern was apparent (Warren, 2002). In 2006, a limited channel sampling program was conducted on the No. 4 Cut area. The results supported earlier findings (Warren, personal communication).

On June 1st 2010, Plateau Minerals Corp. optioned the Ruby (or Jimmay) property, from CJL Enterprises Ltd. (CJL) and Westley Luck (Luck). The option agreement was reassigned to Brocade Minerals Corp. on July 8th, 2010. The 10 claims included in the agreement were held by CJL and Luck in accordance with an earn-in agreement whereby Brocade could earn a 100% interest in the claims (less a 2% NSR) if it meets the obligations of the 4-year agreement. The claims are not otherwise subject to any underlying interests.

In 2010 Brocade undertook a two-day prospecting evaluation of the claims, concentrating on the trenching at the Main showing. Inspection of the Main showing showed that, in addition to the stripped area north of Jimmay Creek, several veins were visible in the small cleared area south of the creek. Central to the Main showing a fault or shear zone was noted, that strikes about 020 degrees and dips moderately to the east. This through-going structure, as well as several smaller-scale sympathetic structures, was observed to truncate and therefore post-date the veins. Referring to the three vein sets described by Cominco geologists, it was noted that the 'A' veins were distinct from the other two veins based on mineralogy and orientation. 'B' and 'C' veins generally had a similar north north-northeast strike, often with fault or shear zones developed along one or both vein margins. Some 'C' veins appeared to have a more north-easterly strike than the 'B' veins. The 'C' veins were regarded as multistage, and as the most prospective for gold and silver.



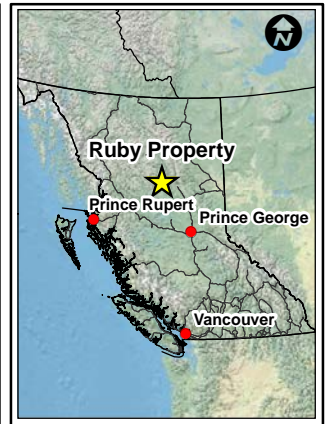
**BROCADE METALS
CORP.**

**Ruby Property
Figure 2
Claim Map**

20k Mapsheets: 94C025
Date: 11/2/2011
Projection: NAD 1983 UTM Zone 10N
Scale: 1:100,000
Author: tkwitkoski
Last Modified By: tkwitkoski
Checked By: BL
Revision #:
0 500 1,000 2,000 3,000
Metres

Legend

- Road
- - - Limited Use Road / Trail
- Cut Block
- Log Landing
- Lake
- Contour
- Wetland
- Lake
- Tenure
- Tenure Other Company



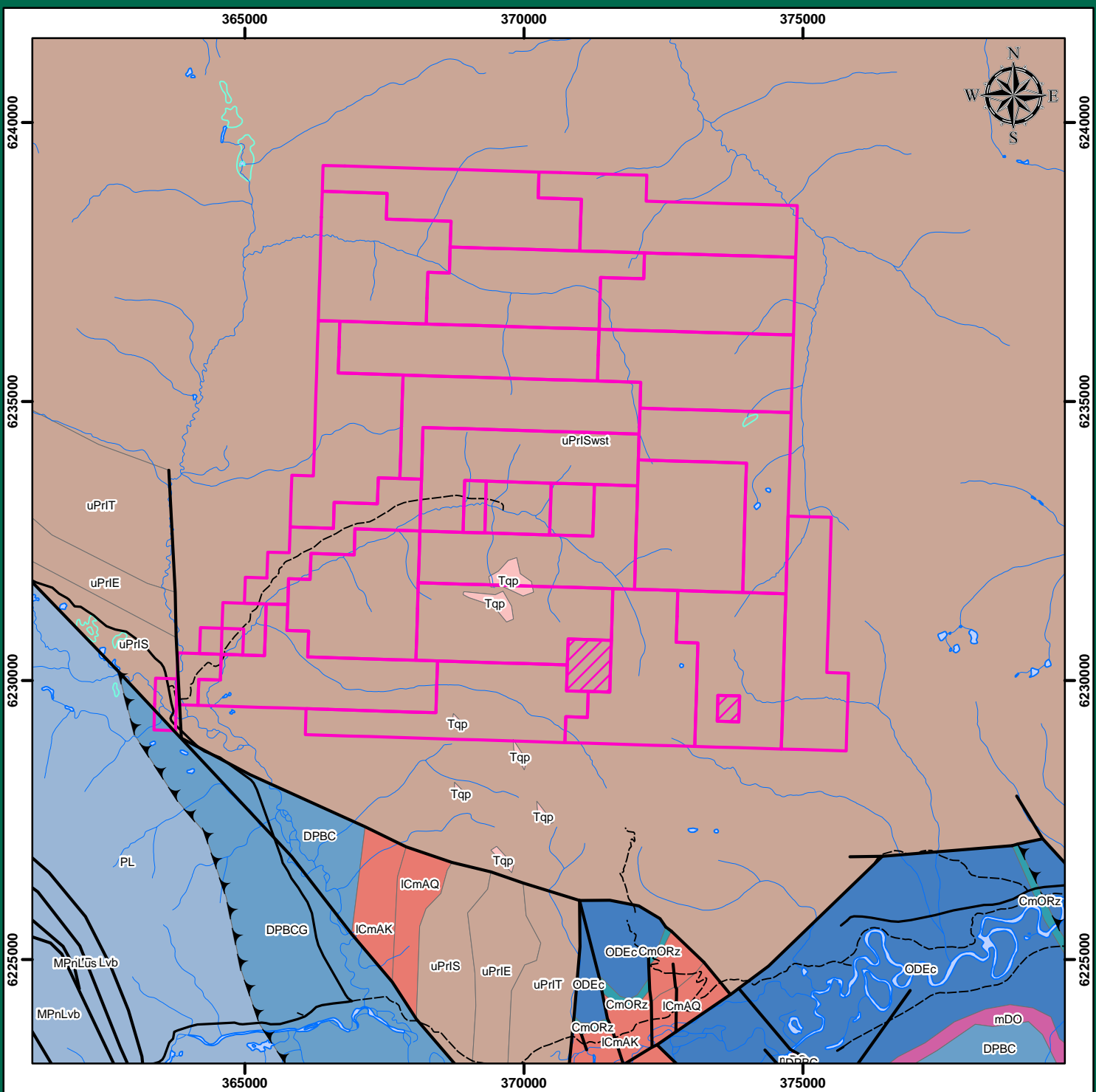
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CONSULTANTS LIMITED**

3 REGIONAL GEOLOGY

The Ruby property is located in the western part of the Cassiar Terrane near its contact with the Harper Ranch and Slide Mountain terranes. The terrane boundary between the Cassiar Terrane and Harper Ranch Terrane is a major northwest trending crustal break. The Cassiar Terrane is separated from the Slide Mountain Terrane by low angle structures. It includes strata of the Upper Proterozoic Ingenika Group through to the Devonian-Mississippian Big Creek Group. The lower parts of the Cassiar Terrane consist predominantly of clastic sedimentary rocks and the upper parts are dominated by carbonate rocks.

The Ruby property is underlain primarily by the rocks of the Upper Proterozoic Ingenika Group (Figure 3). In the area, the Ingenika Group has been subdivided into four formations which are, in ascending order, the Swannell, Tsaydiz, Espee and Stelkuz formations (Ferri et al., 1992). The Swannell Formation predominates and consists of a thick sequence of impure quartzite, sandstone, schist and garnet-mica schist. Its thickness is unknown, but it is estimated to be at least several kilometres thick (Ferri et al., 1992). These rocks have been described as forming the core of a major, northwest-trending anticline and are faulted against the upper parts of the Ingenika Group to the west and to the southwest. A succession of Paleozoic carbonate and clastic rocks overlies the Upper Proterozoic rocks in west and south dipping panels south of the property. The Paleozoic rocks include the Atan, Razorback, Echo Lake and Otter Lakes groups of Lower Cambrian to Middle Devonian age and the Big Creek Group of Upper Devonian to Lower Mississippian age.

Intrusive rocks are not common in the region, but a number of small quartz feldspar porphyry dykes, sills and plugs intrude the Swannell Formation on the claims and immediately south of the property. The stocks are thought to be Early Tertiary in age (Ferri et al, 1992). A large airborne magnetic high occurs several kilometers to the northwest of the property and is suggestive of a buried intrusion.



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Ruby Property

Figure 3

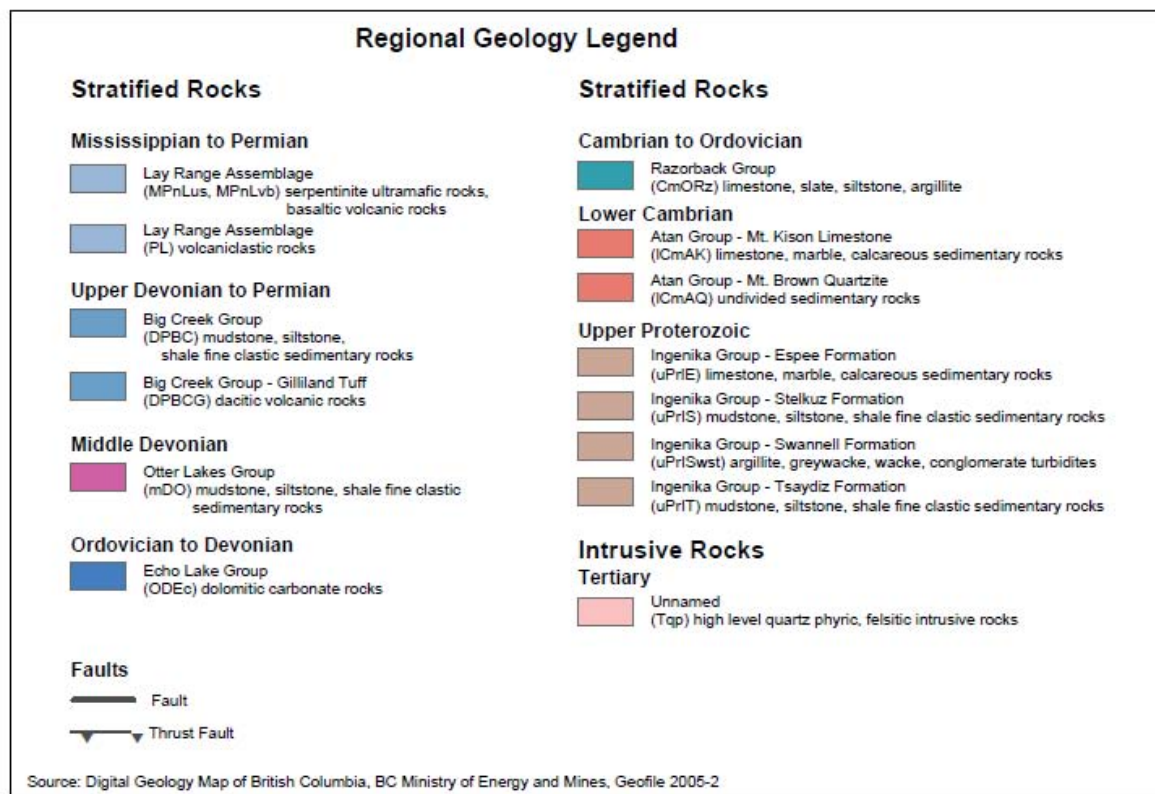
Regional Geology

20k Mapsheets: 94C025
 Date: 11/2/2011
 Projection: NAD 1983 UTM Zone 10N
 Scale: 1:100,000
 Author: tkwitkoski
 Last Modified By: tkwitkoski
 Checked By: BL
 Revision #:

Legend

Fault	Lake
Thrust Fault	Wetland
Road	Tenure
Limited Use Road/Trail	Tenure Other Company
Stream	

ALLNORTH CONSULTANTS LIMITED



4 REGIONAL GEOLOGY

The Ruby property itself is underlain primarily by deformed impure quartzite and quartz-mica schist of the Upper Proterozoic Swannell Formation. These rocks are tan and pale brown to pale grey-mauve in colour and the schists display a prominent phyllitic sheen. As noted above, they have been described as forming the core of a major northwest-trending anticline and are generally northwest-trending with gentle to moderate northeast dips. Near the core of minor folds the rocks are tightly folded to highly contorted, faulted and/or sheared, and cut by quartz veins. In fact, major questions remain to be answered. Physically high in the claim block area, the gross structures are open, low amplitude anticlines and synclines modifying a regional monocline. This stands in contrast to structures in physically low areas, where folds are much tighter and alteration more intense. Furthermore, while structures are consistent with regional compression in an easterly direction, and the presence of an S1 and S2 composite axial-planar fabric modified by F3 folding is pervasive; the structural style in terms of scale and orientation of folding appears to be significantly variable within the area examined. The major rock units including the Ruby property, as part of the Cassiar terrane, are fault-bounded on all sides. Given that these rocks are older than those outside the fault boundaries, the Ingenika Group in this area may be an allochthon analogous to the Sylvester allochthon in northwest BC.

This is a significant issue because whether a thrust sheet or an allochthon, the increasing intensity of deformation in physically lower locations suggests that a melange zone may not be far below. This is a possibility that should be kept in mind when evaluating drilling results.

Intrusive rocks are not common in the region, but a number of small quartz feldspar porphyry dykes, sills and plugs intrude the Swannell Formation on the claims and immediately south of the property. The stocks are thought to be Early Tertiary in age (Ferri et al, 1992). These may be related as cupolas of a larger intrusion at depth since, given their apparent relative youth, they may postdate emplacement of the allochthon. A large airborne magnetic high occurs several kilometers to the northwest of the property and is suggestive of a buried intrusion.

Northwest trending tabular dykes of highly-altered 'granophyre' and fresher quartz-feldspar porphyry were mapped along Jimmay Creek and at higher elevations to the northwest (Bronlund, 1962a). They range up to a few metres in width, cut the schistose fabric of the country rock and predate the development of the vein mineralization (Warren, 2002). The dykes may be genetically related to one of several small Early Tertiary stocks that crop out on the property approximately 800 m south of the Main showing.

The country rocks are locally cut and altered by quartz+/-sulphide veins. The veins range in width from less than a centimetre to more than 8 metres, and range in character from through-going tabular bodies to pygmatic structures. Silicification extends from a few centimetres to a metre or more into the wallrock. The altered wallrock is also locally bleached to a pinkish hue. There are several different episodes and orientations of veining and mineralization (described below).

5 MINERALIZATION AND GEOLOGICAL MODEL

5.1 Mineralization

The mineral zones explored at the Ruby property are best characterized as "Polymetallic Ag-Pb-Zn+/-Au Veins" or clastic metasediment-hosted Ag-Pb-Zn veins. These veins can occur in virtually all tectonic settings. They are emplaced along faults and fractures in sedimentary basins dominated by clastic rocks that have been deformed, metamorphosed and intruded by igneous rocks. Of the three vein sets, the earliest set was involved in deformation, and the other two postdate deformation and metamorphism.

The 2010 exploration program provisionally accepted the Cominco interpretation. 'A' veins were noted to be composed primarily of white, translucent to locally grey quartz, displaying a weak ribboned fabric with occasional traces of fine-grained pyrite, molybdenite, and a silver-grey metallic mineral. "The 'A' veins strike northwest, dip moderately to steeply to the south and reach widths of 8.2 metres. Previous workers have regarded 'A' veins to be weakly to non-mineralized, but significant values of Au and Ag were encountered in the 2010 program (see below).

'B' vein segments were observed generally to follow the strike of, and to be cut by, the main fault/shear zone. They are composed of pale-grey quartz, angular clasts of silicified wallrock, and trace to 1-2% fine-grained pyrite and arsenopyrite. 'B' veins reach up to 1.2 m in width and are commonly bound on one side by a fault or shear. Grey clay-gouge typically occurs along the vein-country rock contact.

'C' veins were regarded to be the high-grade ruby silver-bearing veins on the property and reach up to 1.4 m in width. Like 'B' veins, they are locally dissected by the main fault/shear zone, but also form discrete veins that strike northeast. 'C' veins are composed of white to pale grey zones of fine-grained silica that enclose abundant angular clasts of silicified wallrock. Later quartz-sulphide stringers occur within the 'C' veins underscoring their multi-stage nature. Pyrite, sphalerite, chalcopyrite, tetrahedrite and pyrargyrite (ruby silver) commonly occur in at least trace amounts. Several 'C' veins were sampled with a best 2010 assay of 1066 g/t Ag and 3.3 g/t Au.

The Cominco interpretation was revised by the writer during the 2011 program. In common with the Cominco interpretation, three sequentially-emplaced sets of quartz-rich veins were identified: sets 1, 2, and 3 in order of emplacement. Mineralization of economic interest is confined to the "set 2" suite.

The silver+/-gold enriched polymetallic veins ("set 2" veins) found on the Ruby property consist mainly of discrete quartz-dominated veins, commonly with crosscutting quartz-filled fractures and quartz-sulphide veinlets, and vein breccias composed of intensely silicified wall rock clasts. The veins also occur in structurally complex zones with abundant veining, faulting, and shearing. An early, barren or very weakly-mineralized (pyrite) set, here referred-to as "set 1" veins, are pre- or (more likely) syn-deformational in that in places they contain the fabric present in the surrounding rocks. Set 1 vein contacts do not necessarily parallel schistosity and, although involved in deformation, may be syndeformational "sweats" from the enclosing rocks. Set 1 and set 2 veins are roughly parallel to one another, steeply-dipping, and follow the local line of strike at about 030 degrees. Younger northwest trending tabular quartz veins ("set 3" veins) are commonly barren, but locally are weakly mineralized.

Pyrargyrite, or ruby silver, tetrahedrite and native silver appear to be the principal metallic minerals of interest in the set 2 veins. Associated sulphide minerals include pyrite, sphalerite, chalcopyrite, arsenopyrite, galena and molybdenite. Polybasite has also been reported. Metallic and/or sulphide mineral content is rarely seen to exceed 2%. Alteration generally consists of narrow envelopes of silicification and bleaching.

Both in the trench and elsewhere on the property, three distinct vein sets can be described. An early, barren or very weakly-mineralized set, here referred-to as "set 1" veins, are pre- or (more likely) syn-deformational in that in places they contain the fabric present in the surrounding rocks. Later "set 2" veins containing graphitic material in places, roughly parallel structural fabric and are mineralized by pyrite, arsenopyrite and (rarely) ruby silver. In places they brecciate the rocks that they intrude. Crosscutting quartz-filled fractures and quartz-sulphide veinlets, and vein breccias composed of intensely silicified wall rock clasts are common. This mineralization appears to be confined to the quartzite units where they are intersected by more-or-less vertical "set 2" post-deformation quartz veins that form a stockwork. Speculating, these ascending mineralized veins fractured the quartzite units upon intersecting them and deposited their contents in the now lower-pressure zones. "Set 3" veins are barren or nearly-barren "bull quartz," contain no fabric, and cross-cut both fabric and earlier vein sets.

5.2 Geological Model

The veins on the Ruby property share some similarities with those mined from the Keno Hill-Galena Hill mining camp in the Yukon. The latter deposits consist of mineralized vein faults that strike northeast and dip steeply southeast and cut the Keno Hill quartzite on the south flank of the McQuesten anticline. Ore shoots have the form of simple and sheeted veins and breccia zones with strike dimensions of 30 to 335 m and widths of 0.3 to 30 m. Mineralization consists of silver-rich galena, freibergite, and ruby silver along with sphalerite, pyrite and minor polybasite, stephanite, argentite and native silver. Siderite is the main gangue mineral. The Keno Hill-Galena Hill deposits produced 217.6 million ounces of silver, 273,622 tonnes of lead and 153,198 tonnes of zinc from the milling of 4.87 million tonnes of ore from 1921 to 1988.

Another possible analog is that of the Pogo deposit in Alaska. The following description is from Mining Weekly, 2007: "The Pogo claims are underlain by high-grade gneisses of the Yukon-Tanana terrane, which have been locally intruded by granitic rocks. Common rock types include biotite gneiss, augen gneiss, mafic schist and gneiss, pelitic schist, quartzite and quartzofeldspathic schist. The gold deposit occurs as two stacked shallow-dipping quartz vein systems. A third vein system has been encountered at depth, but requires additional drilling to determine its significance." The two earlier vein systems bear some similarities to Ruby: Mindat.org states that "the early veins are typified by white quartz containing arsenopyrite, chalcopyrite, pyrite, pyrrhotite and loellingite (FeAs₂) with secondary biotite in selvages up to 1 meter in width (Smith, 1998). The later veins are typified by gray quartz as stockwork veins and replacement selvages containing arsenopyrite and pyrite, along with secondary disseminated sericite and dolomite."

Alternatively, the Ruby veins may also have some similarities to 'quartz reef' or 'saddle reef' precious metal veins that occur in a variety of associated fault-controlled zones, but more typically are conformable to bedding and occupy zones of competency contrast in fold hinges (e.g. the turbidite hosted orogenic gold deposits of the Bendigo Goldfield, Australia).

A final possibility relates to the presence of two presumed-Tertiary intrusions located About 2 km south of the Main showing. If these two intrusions are cupolas related to a larger intrusion at depth, then the Main showing set 2 veins might be demonstrated to relate to this event. If so, the potential for more broadly-mineralized areas related to the major intrusion is significant. The large magnetic "high" in the northwest corner of the map area (Figure 10) may be caused by just such an intrusion (Shives, 2011).

6 2011 EXPLORATION PROGRAM

In 2011, Cominco's approximate 8 km overgrown access road to its camp was rehabilitated and a seasonal field camp constructed at its original terminus. An additional access road to the Main showing, about 1 km distant, was constructed, and helicopter landing areas cleared at both the camp and Main showing.

An exploration program was conducted on the Ruby property from August 19 to 29 and from September 6 to 22, 2011. Most of the work was done on foot, but helicopter support was needed for the more

remote areas of the property. The work was based out of Lorne Warren's Ruby camp, located 8 km from the Finlay FSR at 225 km.

The original trench at the Main showing was referenced by a physical grid on 2 m squares following the long dimension of the trench at 030 degrees. The grid formed the basis for detailed lithologic and structural mapping of the exposed area. Subsequently, the trench was re-opened into three "panels" within which bedrock mapping was undertaken and from which channel samples were collected for analysis. Overburden sampling (primarily soil) was conducted north and South of Jimmay Creek, following approximately the 1500 m contour north of the Creek and the 1400 m contour south of the Creek.

Various parts of the property were prospected, mostly with helicopter support; and, finally, much of the property was the subject of a helicopter-borne radiometric and magnetometer survey.

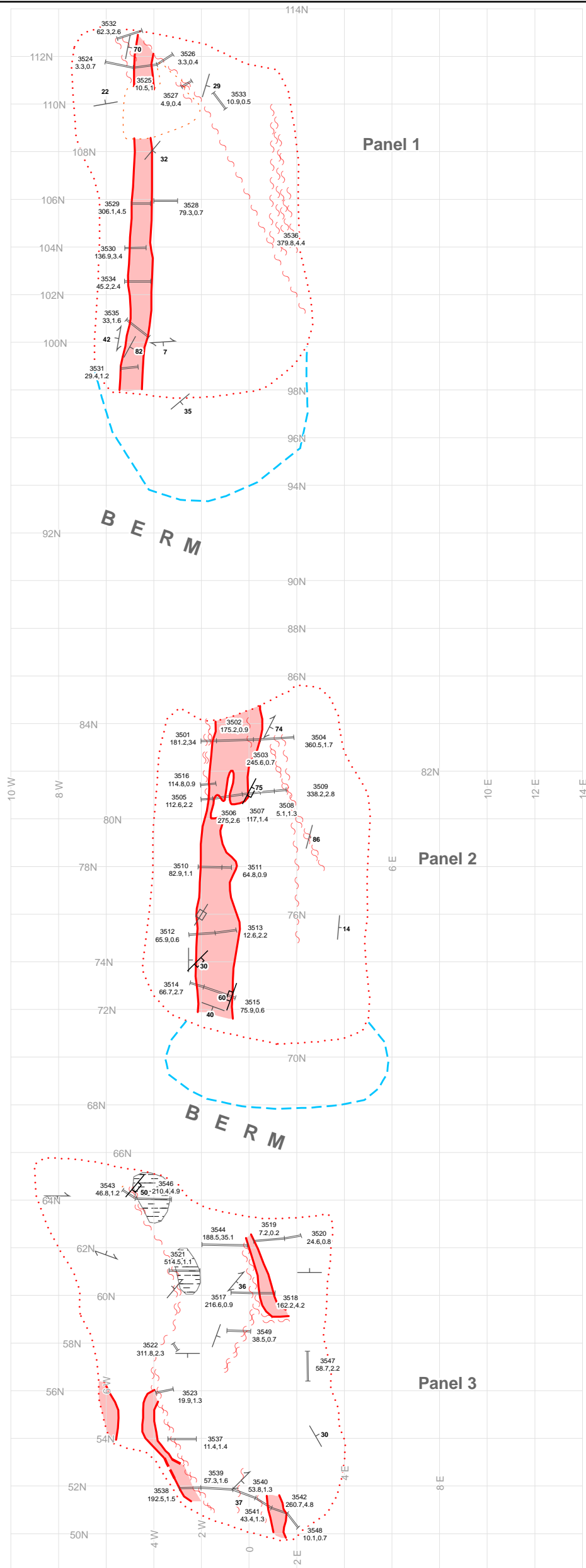
A total of 49 channel samples, 328 soil samples, 24 silts, 18 moss samples, and 41 rock (grab) samples were collected and submitted for analysis. Sample locations are shown in figures 4 and 8. Full analytical results are provided in Appendix A.

2011 MAIN SHOWING RESULTS

Figure 4 sets out the disposition of the three "panels" cleared as part of the 2011 exploration program, shows the locations of identified veins, the locations of channel samples, and the attitudes of bedding and foliation (S2, the most prominent).

Both in the trench and elsewhere on the property, three distinct vein sets can be described. An early, barren or very weakly-mineralized set, here referred-to as "set 1" veins, are pre- or (more likely) syn-deformational in that in places they contain the fabric present in the surrounding rocks. As suggested above, they may be syndeformational "sweats" from the enclosing rocks. Later "set 2" veins containing graphitic material in places, roughly parallel structural fabric and are mineralized by pyrite, arsenopyrite and (rarely) ruby silver. In places they brecciate the rocks that they intrude. "Set 3" veins are barren "bull quartz," contain no fabric, and cross-cut both fabric and earlier vein sets.

The rocks in the trench area have been intensely folded, and mapping of most of Panel 1 was undertaken on a 2m grid to unravel the local structures. The host rocks are a sedimentary pile consisting of massive to weakly foliated grey quartzite, interbedded with much softer metasedimentary rock expressed as quartz muscovite schist, commonly with associated limonite. The schist units are characterized by a composite fabric with S2 being the measurable attitude. S2 dips gently and strikes roughly along the centre line of the surveyed area, but attitudes are variable presumably because of refraction by the more resistant quartzite beds. The S2 fabric is modified by F3 crenulations and minor folds, seen only in the schistose beds and striking roughly east-west. Two small faults with minimal displacement were noted, striking roughly 030 degrees.



Brocade Metals Corp.
RUBY PROJECT
2011 Trench Results

20k Mapsheets:
 Date: 12/5/2011
 Projection: NAD 1983 UTM Zone 10N
 Scale: 1:200
 Author: tkwitkoski
 Last Modified By: tkwitkoski
 Checked By:
 Revision #:

- | | | | |
|-----|------------------|---------|---------------------------|
| — — | Bedding | | Limit of Bedrock Exposure |
| — — | Bedding Vertical | — | Sample |
| — — | F2 Foliation | ~ | Shear |
| — — | Jointing | - - - - | Sediment Pond |
| — — | Joint Vertical | — — | 2m Grid |
| | | — — | Stock Works |
| | | ■ | Vein |

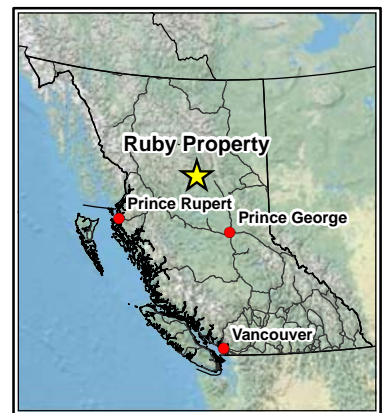




Figure 5: 2011 Expanded Trench Area – Aerial View



Figure 6: F3 Folds in the Main Showing Trench, Modifying an S1/S2 Composite Fabric, with S2 Prominent

One clear S2 cleavage/bedding intersection found in a set of quartzite/schist interbeds indicates that, at that location, the beds are on the upper limb of a recumbent fold of unknown scale or (more likely) an eastward closing rollover fold. The largest quartzite unit defines a parasitic fold related to the major fold. The unit is steeply-dipping to the east at about the 4W mark in Panel 1 (see Figure 7), flattening near the centre line, dipping more gently to the west around the 6E mark, flat-lying at about 8E, and dipping gently to the east at about 10E.

During the 2011 field program, a total of 44 “grab” rock samples were collected for analysis. In Addition, a total of 58 channel samples were collected. Figure 4 indicates the locations of the channel samples, the analytical results for which are shown in Table 2. John DeGrace, PEng/PGeo directly oversaw the collection of seven (7) samples to duplicate channel samples collected as part of the 2011 program. In addition, two (2) samples were taken to duplicate channels taken by earlier workers. (See Table 3.)

Gold concentrations ranged from 3.3 ppb to 514.5 ppb (average 119.7), and silver from 0.2 to 35.1 ppm (average 1.2). There is no clear linear correlation between gold and silver results, nor between gold and arsenic/lead/zinc results. There appears to be a positive correlation between silver and lead/zinc, and there may be a rough positive correlation between silver and arsenic. While Silver results were unspectacular, both silver and gold values in the trenched areas are distinctly anomalous compared to lithochemical outcomes from outside the Main showing area (see Table 3).

Table 2: 2011 Lithochemical Results from Channel Samples in Main Showing Trench

(see Figure 4)

Sample ID	Date Collected	Type	Location	Silver (ppm)	Gold (ppb)	Arsenic (ppm)	Lead (ppm)	Zinc (ppm)	Comments
ROCK SAMPLES									
3501	26-Aug-11	Rock	Panel 2, Row 1	34	181.2	2325	1037.1	207	dk gy clay gouge & qz stkw k in qzite adjacent to discrete qz (+ tr PY) vein (next sample)
3502	26-Aug-11	Rock	Panel 2, Row 1	0.9	175.2	1337.4	38.6	94	discrete quartz vei w grey bands of vfg pyrite & silver metallic mineral in narrow stockw orks
3503	26-Aug-11	Rock	Panel 2, Row 1	0.7	245.6	2237.1	89	408	quartz vein (or intensely silicified quartzite) w punky dull gey/silver metallic mineral & fg pyrite (1% total)
3504	26-Aug-11	Rock	Panel 2, Row 1	1.7	360.5	3010.4	31.7	170	mica schist interbedded w quartzite, minor quartz+/-pyrite veinlets
3505	26-Aug-11	Rock	Panel 2, Row 2	2.2	112.6	1270.9	69.2	118	"Upper" part of A(?) vein w HW material (consisting of dark grey clay gouge w up to 1% pyrite)
3506	26-Aug-11	Rock	Panel 2, Row 2	2.6	275	1936.6	179.6	575	quartz vein (continued from #3506) w 2-3% fracture-controlled pyrite
3507	26-Aug-11	Rock	Panel 2, Row 2	1.4	117	1307.4	38.7	184	w allrock; interbedded quartzite & mica schist
3508	26-Aug-11	Rock	Panel 2, Row 2	1.3	5.1	105.3	37.6	156	mica schist cut by numerous grey clay gouge zones
3509	26-Aug-11	Rock	Panel 2, Row 2	2.8	338.2	2868.6	31.7	127	quartzite w quartz stockw ork, tr pyrite, possible tr arsenopyrite
3510	26-Aug-11	Rock	Panel 2, Row 3	1.1	82.9	613.6	38	135	gouge (20 cm) fractured quartz vein (100 cm) w pyrite infillings (tr silver-grey metallic mineral)
3511	26-Aug-11	Rock	Panel 2, Row 3	0.9	64.8	344	20.8	42	quartz stockw ork w 1-2% fg pyrite cutting interbedded quartzite/mica schist
3512	26-Aug-11	Rock	Panel 2, Row 4	0.6	65.9	368.8	30.7	42	quartz vein w tr pyrite healing fractures
3513	26-Aug-11	Rock	Panel 2, Row 4	2.2	12.6	83.6	61.9	24	quartz vein; milky w hite quartz cut by <mm-scale stringers of pyrite
3514	26-Aug-11	Rock	Panel 2, Row 5	2.7	66.7	436	94.5	64	dark grey, brecciated quartz vein healed w pyrite (25 cm) in contact w ith milky w hite quartz vein (35 cm)
3515	26-Aug-11	Rock	Panel 2, Row 5	0.6	75.9	497.2	52.2	99	continuation of #3514; fractured quartz vein healed w fg pyrite
3516	27-Aug-11	Rock	Panel 2, Row 1A	0.9	114.8	857.4	59.1	178	pyrite-healed quartz vein w narrow seam of massive fg pyrite
3517	27-Aug-11	Rock	Panel 3, Row 3	0.9	216.6	1930.8	21.3	95	silicified schist cut by dark grey/black shears w tr - 1% vfg pyrite (fabric 040/36E)
3518	27-Aug-11	Rock	Panel 3, Row 3	4.2	162.2	941.6	171.8	120	breccia vein cutting quartzite
3519	27-Aug-11	Rock	Panel 3, Row 2	0.2	7.2	108.4	7	44	continuation of #3544; interbedded quartzite adn mica schist w narrow quartz stringers
3520	27-Aug-11	Rock	Panel 3, Row 2	0.8	24.6	252.8	11.3	56	dark grey shear zone w tr pyrite
3521	27-Aug-11	Rock	Panel 3, Row 3	1.1	514.5	3676	36.7	171	pale w hite to dark grey quartz w tr-0.5% fg pyrite, cutting quartzite
3522	27-Aug-11	Rock	Panel 3	2.3	311.8	2751.7	39.5	96	black silicified argillite(?) w narrow seams of vfg pyritic (3-5%)
3523	27-Aug-11	Rock	Panel 3	1.3	19.9	165.4	19.2	80	shear zone containing tr pyrite; cutting quartzite
3524	27-Aug-11	Rock	Panel 1, Row 1	0.7	3.3	104.8	17.7	117	pale grey green quartzite cut by narrow, sheeted quartz stringers
3525	27-Aug-11	Rock	Panel 1, Row 1	1	10.5	73.2	18.1	70	possible 'C' vein: junction of structures; banded grey & w hite quartz w 1-2% pyrite
3526	27-Aug-11	Rock	Panel 1, Row 1	0.4	3.3	68.5	84.6	314	w all rock to #3525; Fe-stained interbedded quartzite/schist w quartz stringers; tr pyrite
3527	27-Aug-11	Rock	Panel 1, Row 2	0.4	4.9	22.8	14	42	quartz stockw ork cutting silicified quartzite; tr - 1% pyrite
3528	27-Aug-11	Rock	Panel 1, Row 3	0.7	79.3	1319.5	94.4	313	eastern contact of structure sampled in #3529; mica schist w gouge & narrow quartz veins w tr pyrite
3529	27-Aug-11	Rock	Panel 1, Row 3	4.5	306.1	5399.9	551.4	479	crackled quartz vein; pyrite (0.5 - 1%) locally heals fractures
3530	27-Aug-11	Rock	Panel 1, Row 4	3.4	136.9	1218.8	105.3	432	as above, locally brecciated w tr pyrite & grey metallic mineral; clay gouge at both contacts
3531	27-Aug-11	Rock	Panel 1, Row 4	1.2	29.4	165.3	49.4	154	quartz vein w tr pyrite; sharp contacts (quartzite to east; schist to west)
3532	28-Aug-11	Rock	Panel 1	2.6	62.3	554.4	62	231	sheeted quartz veinlets & grey siliceous zones w tr pyrite and grey metallic mineral
3533	28-Aug-11	Rock	Panel 1	0.5	10.9	160	35	126	w eak quartz stockw ork cutting pale green (sericitized) quartzite; tr pyrite +/- tourmaline
3534	28-Aug-11	Rock	Panel 1	2.4	45.2	387.5	42.2	178	crackled quartz w fractured to sheared central zone
3535	28-Aug-11	Rock	Panel 1	1.6	33	502	227.1	196	crackled quartz (oriented 029/82E) vein w pyrite
3536	28-Aug-11	Rock	Panel 1	4.4	379.8	8584.8	739.7	4056	shear zone: flat-lying silicified and quartz veined black graphitic schist (tr pyrite)
3537	28-Aug-11	Rock	Panel 3	1.4	11.4	155.1	40.2	151	quartz stockw ork in sericitized quartzite; w eak Fe-oxide staining
3538	28-Aug-11	Rock	Panel 3, Row 4	1.5	192.5	3071.6	294.1	837	quartz vein w grey clay gouge
3539	28-Aug-11	Rock	Panel 3, Row 4	1.6	57.3	332.7	171.9	715	milky w hite quartz vein w local zones of pale grey entrained w allrock
3540	28-Aug-11	Rock	Panel 3, Row 4	1.3	53.8	688	105.3	539	oxidized quartzite/mica schist; vague SE dipping fabric w narrow black siliceous bands and pale grey clay gouge
3541	28-Aug-11	Rock	Panel 3, Row 4	1.3	43.4	494.4	10.9	69	zone of fractured quartzite/schist w dark grey siliceous band containing vfg pyrite
3542	28-Aug-11	Rock	Panel 3, Row 4	4.8	260.7	2036.8	193.5	344	discrete quartz vein, vague banding following 045/75E; tr pyrite
3543	28-Aug-11	Rock	Panel 3, Row 1	1.2	46.8	636	6.2	49	breccia vein w 1 cm HW selvage (oriented 040/50E) of vfg pyrite & tr arsenopyrite needles; cutting sericitized quartzite
3544	28-Aug-11	Rock	Panel 3, Row 2	35.1	188.5	1032.5	256.2	163	quartz stockw ork in sericitized quartzite; clots of vfg pyrite (tr - 0.5%), tr galena, tr ruby silver
3545	28-Aug-11	Rock	Panel 3, Row 3	0.4	37	234	13.8	76	continuation of #3521; ends at start of #3517; quartz stockw ork in sericitized quartzite, tr py
3546	28-Aug-11	Rock	Panel 3, Row 1	4.9	210.4	1124	72.7	191	continuation of # 3543; quartzite w quartz stockw ork - crackle breccia; aggregates of pyrite & traces of fine-grained silver-grey metallic mineral
3547	28-Aug-11	Rock	Panel 3	2.2	58.7	444.9	49.9	194	milky w hite quartz vein w vague grey bands near contact w host schist; vein is parallel to fabric in host rock
3548	28-Aug-11	Rock	Panel 3, Row 4	0.7	10.1	53.8	17.9	21	continuation of #3542; milky w hite quartz w vague dark grey banding
3549	28-Aug-11	Rock	Panel 3	0.7	38.5	417.1	13.4	70	clay gouge zone w ground qz vein material & clots of vfg pyrite in siliceous zones
				1.2	119.6898				

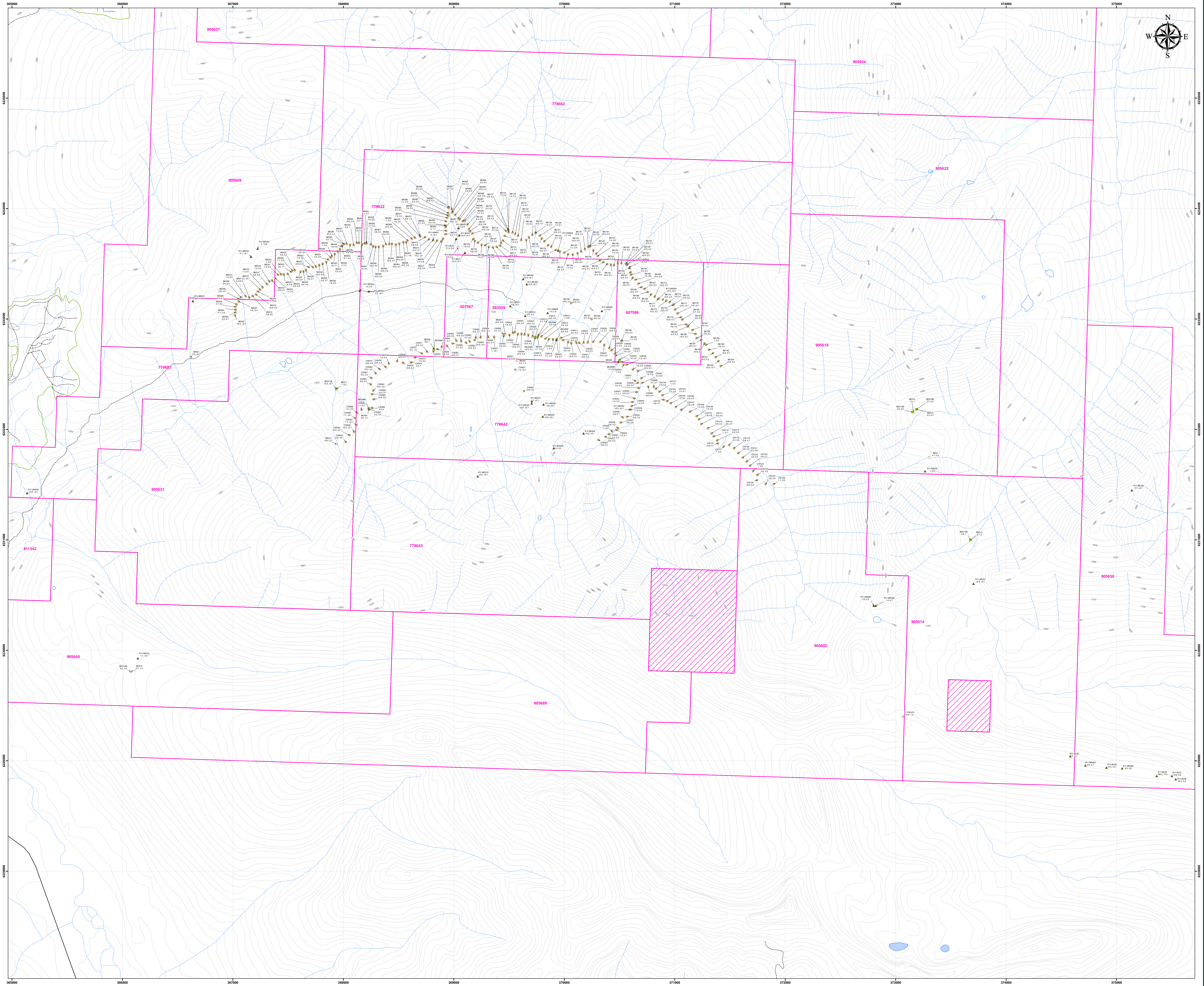
Table 3: 2011 Lithochemical Results from Duplicate Channel Samples in Main Showing Trench (see Table 2)

Sample ID	Date Collected	Type	Duplicate of of Table 4 Sample:	Silver ppm	Gold ppb	Arsenic ppm	Lead ppm	Zinc ppm
R11-5003	16 Sept. 2011	Rock	N/A	>100	3880	964	458	339
R11-5004	16 Sept. 2011	Rock	N/A	6.58	232	2030	17.5	24.6
JD 03507	16 Sept. 2011	Rock	3507	1.435	36.9	598	35.8	225
JD 03510	16 Sept. 2011	Rock	3510	1.29	166	1330	26.6	115.8
JD 03517	16 Sept. 2011	Rock	3517	2.48	144	1030	65.7	371
JD 03531	16 Sept. 2011	Rock	3531	1.305	30.2	194	55.4	126.5
JD 03532	16 Sept. 2011	Rock	3532	3.84	90.9	757	96.2	265
JD 03541	16 Sept. 2011	Rock	3541	1.535	58.2	700	20.7	92.8
JD 03542	16 Sept. 2011	Rock	3542	31.9	45.8	3480	444	511

**Figure 7: Site of Channel Samples 3541 (markers left to centre) and 3542 (markers centre to right (see Table 2)**

Table 4: 2011 Prospecting Lithochemical Results (see Figure 11 for sample locations)

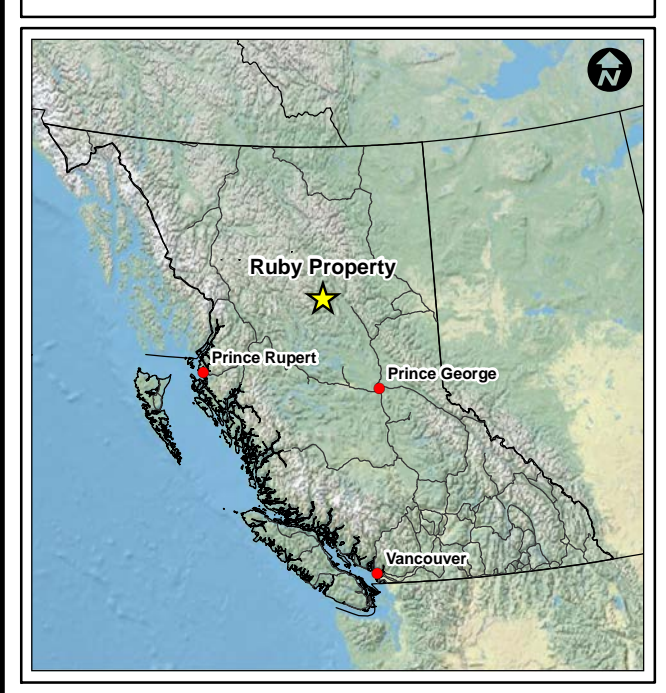
Sample ID	Date Collected	Type	Easting	Northing	Ag (pp)	Au (ppb)	Pb (ppm)	Zn (ppm)	As (ppm)	Comments
ROCK SAMPLES										
R11-BE001	22-Aug-11	Rock	369706	6232256	<0.1	1	3.7	3	<0.5	Qtz vein with mica
R11-BE002	22-Aug-11	Rock	369705	6232236	<0.1	<0.5	3.4	2	<0.5	Qtz vein
R11-BE003	24-Aug-11	Rock	370596	6232181	<0.1	<0.5	7.8	5	<0.5	Float, qtz vein w/ py and possible Aspy
R11-BE004	24-Aug-11	Rock	370174	6231964	<0.1	<0.5	1.5	<1	<0.5	Float, rosy coloured qtz (hematite stained)
R11-KM001		Rock	368813	6233716	<0.1	4	7.5	21	14.2	seems strongly hydrothermally altered & leached; dug out of soil pit BK-C
R11-KM002		Rock	369944	6233619	0.2	1.7	9.2	5	3.1	strongly brecciated, smoky black amorphous, minor Py & silver-colored f
R11-KM003		Rock	370592	6233471	0.2	1.4	10.3	83	2.6	taken from soil hole Bk-160
R11-KM004		Rock	370852	6233183	<0.1	<0.5	7.2	26	5.1	diss & bleby Py as inclusions & in qtz microstringers, hard, silicified, qtz is dark smoky grey-black, from soil pit Bk-171
R11-KM005		Rock	369850	6233055	1.5	7.5	63.5	2	20.3	25cm wide py-qtz stringer cross-cutting altered sericite schist; stringer Py & clotty Py sub-parallel to vein walls, tiny w ispy Sx in cracks at selvage of vein, large >1m long float in small pond
R11-KM006		Rock	370341	6233073	0.2	1.1	21.1	36	10.1	15cm wide stringer qtz vein sandwiched between upper Hw altered sericite schist & lower Fw well-indurated silicified quartzite. Vein is strongly gossanous, pitted, eroded, vuggy w/ diss & clotty Py (2-3% by vol). Intense MnO2 on outer rind. Qtz is white, opulent to xstalline to smoky grey-black. o/c is 3m long by 2m high and obscured by large tree root & OB. Considerable roll of vein over exposed length; may be bifurcated or anastomosing. Need to trench area and map veins if any results are returned. Also tight spaced soil sampling should be done. Fine diss Py and tiny stringer Py veinlets in wallrock.
R11-BE005	7-Sep-11	Rock	369661	6233315	<0.1	<0.5	1.4	7	0.7	Qtz vein in Qtzite close to o/c, micaceous
R11-BE015	8-Sep-11	Rock	366140	6229927	<0.1	1.1	0.9	<1	<0.5	Qtz vein, ~40cm wide in Qtzite 45/NE
R11-BE019	9-Sep-11	Rock	369216	6231575	<0.1	<0.5	1.5	8	<0.5	Qtz vein in Qtzite, mica and py
R11-BE030	10-Sep-11	Rock	375137	6231449	<0.1	0.7	0.9	1	0.7	smoky grey qtz vein in schist trending N-S
R11-BE031	10-Sep-11	Rock	373705	6230603	<0.1	<0.5	1.3	<1	<0.5	qtz vein in schist, S 170°
R11-BR003	21-Aug-11	Rock	368230	6233250	<0.1	0.7	4	6	1.2	5 - 8 cm wide qtz vein (at 30 degree to road)
R11-BR004	21-Aug-11	Rock	368148	6233256	0.3	1.4	1.9	2	9.9	quartz vein
R11-BR008	21-Aug-11	Rock	365137	6231423	<0.1	<0.5	1	3	<0.5	angular quartz vein float below vein in bedrock
R11-BR011	23-Aug-11	Rock	369511	6233117	<0.1	0.8	10.9	26	2.2	granitic rock (or quartzite)?
R11-BR014	23-Aug-11	Rock	369646	6233028	2.4	2.8	9.8	18	5.8	suboutcrop; quartzite
R11-BR026	23-Aug-11	Rock	369628	6233362	<0.1	<0.5	5.9	26	3.3	3m uphill in creek
R11-BR032	07-Sep-11	Rock	369812	6232226	<0.1	0.6	2.7	4	7.1	quartz vein striking 234 degrees, 14SE; w p 73
R11-BR033	07-Sep-11	Rock	369805	6232117	<0.1	<0.5	2.5	4	4	quartz vein in o/c trending 040; w p 75
R11-BR037	08-Sep-11	Rock	366638	6233161	0.5	507.1	13.5	6	5804.2	quartz vein w silver/pyrite running N60E
R11-BR040	08-Sep-11	Rock	367164	6233563	<0.1	2.1	9.8	29	57.1	quartzite, fractured w p 85
R11-BR042	08-Sep-11	Rock	367224	6233636	14.6	2	121.7	18	25	quartz vein zone running - 020 w p 87
R11-BR051	08-Sep-11	Rock	369041	6233823	0.3	0.7	20.9	129	11.9	quartz vein w silvery pyrite?
R11-BR058	09-Sep-11	Rock	369905	6231830	0.3	1.4	3.5	63	25.4	quartzite w mica schist; cut by quartz veinlets w grey metallic minerals
R11-BR060	10-Sep-11	Rock	375051	6228931	0.8	6.2	378.4	118	19.4	quartzite w p 168
R11-BR063	10-Sep-11	Rock	374718	6228957	0.1	0.6	10.5	7	2.2	talus of quartzite w aggregates of pyrite (5% locally)
R11-BR068	10-Sep-11	Rock	372801	6230404	0.3	3.9	63.7	31	<0.5	deformed mica schist
R11-BR069	10-Sep-11	Rock	372818	6230403	0.1	1.4	4.6	43	1.5	quartzite - mica schist
R11-BR076	10-Sep-11	Rock	373266	6231621	0.2	1	14.4	21	13.5	quartz w pyrite; w p 212
R11-BL01	08-Sep-11	Rock	369101	6233600	<0.1	<0.5	1.2	5	5	outcrop, composite chip sample of 2-2.5 m wide massive white quartz vein with thin films of iron oxide on fractures; vein includes silvers of silicified wallrock (quartzite)
R11-BL02	08-Sep-11	Rock	369049	6233758	<0.1	<0.5	0.9	2	2.8	Outcrop, composite chip sample of 0.4-0.55 m wide quartz vein with traces of iron oxide; oriented 170/84E; cutting interbedded quartzite and schist
R11-BL03	08-Sep-11	Rock	369021	6233726	0.4	71.2	16.4	34	670.8	Outcrop, composite chip sample of pyritic and iron oxide-stained quartzite cut by quartz stringers oriented 027/65E
R11-BL05	10-Sep-11	Rock	375363	6228861	15.2	708.2	1913.4	399	76	Float, composite chip sample from angular blocks: rusty w weathering, grey quartz vein/quartz stockwork with traces of py
R11-BL06	10-Sep-11	Rock	375536	6228832	0.3	24.1	13.9	95	44.1	Outcrop, grab sample from 0.5-0.6 m wide quartz stockwork zone with traces of pyrite cutting quartz-sericite altered quartzite; zone oriented 055/80S
R11-BL07	10-Sep-11	Rock	375501	6228862	0.6	10.8	81.2	75	23.2	Outcrop, composite chip sample of rusty w weathering quartz stockwork zone; bands of grey silica with traces of very f-gr py
R11-BL08	10-Sep-11	Rock	374908	6228937	<0.1	<0.5	1	3	<0.5	Outcrop, composite chip sample of quartz-sulphide stockwork zone, traces of disseminated aggregates of py+/sl+/gn
R11-BL09	10-Sep-11	Rock	374581	6229040	3.7	7	419.9	596	31.5	Outcrop, Composite chip sample of quartz vein and stockwork cutting silicified quartzite; area of old diggings



BROCADE METALS CORP.
RUBY PROPERTY
 2011 Sample Locations
 Gold, Silver Results

Legend

- ▲ Rock Au(ppb), Ag (ppm)
- Silt Au(ppb), Ag (ppm)
- Soil Au(ppb), Ag (ppm)
- Moss Au(ppb), Ag (ppm)
- Road
- - - Limited Use Road / Trail
- Cut Block
- Log Landing
- Lake
- Stream
- Swamp
- Contour
- Tenure
- ▨ Tenure - Other Company



20k Map sheets: 94C25
 Date: 11/27/2011
 Projection: NAD 1983 UTM Zone 10N
 Scale: 1:10,000
 Author: tkwiskowski
 Last Modified By: tkwiskowski
 Checked By: BL
 Revision #: 1



2011 REGIONAL EXPLORATION RESULTS

Extensive soil sampling (and some moss and silt sampling) were undertaken north and south of Jimmay Creek following approximately the 1500m contour north of the Creek and the 1400m contour south of the Creek (Figure 8, in map pocket). Figure 8 indicates as well the locations of rock samples collected for analysis outside the trench area. A total of 18 moss, 24 silt and 324 soil samples were collected.

Details of the prospecting lithogeochemical results are shown in Table 3 and of overburden sampling in Table 5 (map pocket).

Only two of these samples, R11-BR037 and R11-BL05, show exceptional concentrations of Au and Ag.

Although one weakly-anomalous zone was noted, the results were unspectacular and reinforced the need to concentrate on the Main showing area. The mean values across the entire set of samples were 0.4 ppm Ag, 2.8 ppb Au, 16.1 ppm Pb, 69 ppm Zn and 11.7 ppm As. At the 95th percentile the upper values were 1.2 ppm Ag, 8.5 ppm Au, 31.1 ppm Pb, 107.4 ppm Zn, and 32.2 ppm As. In that context, seven samples (see Table 4, below) that were collected consecutively following the 1520 m contour on the north side of Jimmay Creek, along the 1.1 km interval between eastings 368000 and 369100, stand out as being weakly anomalous, particularly in respect of gold. This area merits more careful prospecting.

Precision GeoSurveys Inc of Vancouver, British Columbia, was contracted by Brocade Metals Corp to conduct a multi-parameter airborne geophysical survey of the Ruby property. It carried out the survey from September 17 to September 22, 2011. The survey included the collection of high resolution magnetic and radiometric data over a 9.3 km by 9.7 km area covering the property. A total of 724 line kilometers were flown which was broken up into three main areas and a Spacing Infill area. Survey lines for area 1 and 3 were flown at 200 m spacings with a heading of 090°/270° and tie lines were flown at 1 km spacings with a heading of 000°/180°. Area 2 survey lines were flown at 100 m spacings at 090°/270° heading, with tie lines at 1 km spacings with a heading of 000°/180°. The 50 m spacing infill area survey lines were flown at 100 m spacings at 090°/270° heading within Area 2 to give 50 m spacing infill. Precision's completed grid patterns are shown in Figure 9.

Shives (2011) offered a preliminary review of the results, and suggested at a more-in-depth review and interpretation were necessary. In particular, Shives suggested that "To confirm existence of a possible radioactive element signature associated with the known vein systems or other mineralization in the area, brief ground spectrometric surveying is recommended on bedrock containing known occurrences and on various geological units." He and the writer were of the view that there are no clear radiometric or magnetic anomalies over the Main showing, although Shives thought that "Small magnetic offsets, best viewed on the calculated derivative of the magnetic total field, can be interpreted locally".

Total magnetic intensity results indicated a prominent magnetic "high" in the northeast portion of the property (Figure 10). The reason for this is unknown, but the scale suggests an igneous intrusion at depth. The area containing the Main showing is outlined in black, and is part of an arcuate magnetically high zone that appears to parallel the main magnetic high in the northwest. This may outline a zone of related magmatic activity which in turn may be the source of the Ruby mineralization. Figure 11 offers a

more detailed view of total field centred on the Main showing. Transecting the arc, possibly offsetting it slightly, and extending in a NW/SE direction through the Main showing, is a subtle linear feature that might refer to an unknown structural control.

Table 5: Subset of Samples from Table 4 Showing Weakly Anomalous Values

Sample ID	Type	Easting	Northing	Ag (ppm)	Au (ppb)	Pb (ppm)	Zn (ppm)	As (ppm)
BK046	soil	368005	6233677	1.2	81.8	17.3	49	16.2
BK050	soil	368122	6233689	0.4	19.5	19.6	69	25.8
BK061	soil	368387	6233677	9.1	2.8	139.5	60	14.4
BK075	soil	368813	6233716	1.9	14.2	35.3	103	135.9
BK081	soil	368925	6233831	1.2	16.8	27.5	95	43.6
BK090	soil	368953	6234005	0.2	15.8	15.1	79	8.2
BK098	soil	369098	6233890	1.7	15.9	19.6	74	21.6

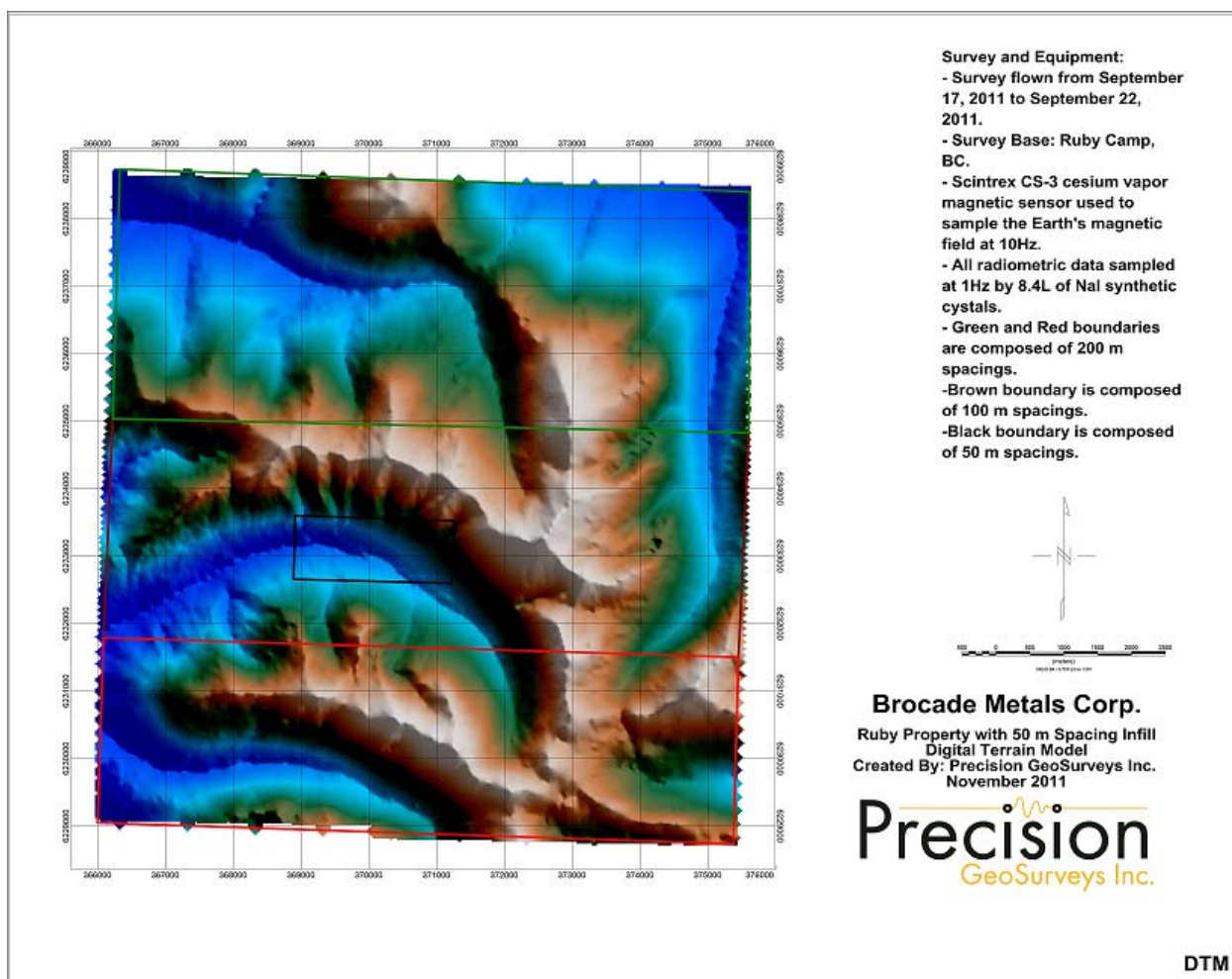


Figure 9: Precision GeoSurveys Airborne Geophysical Survey Areas

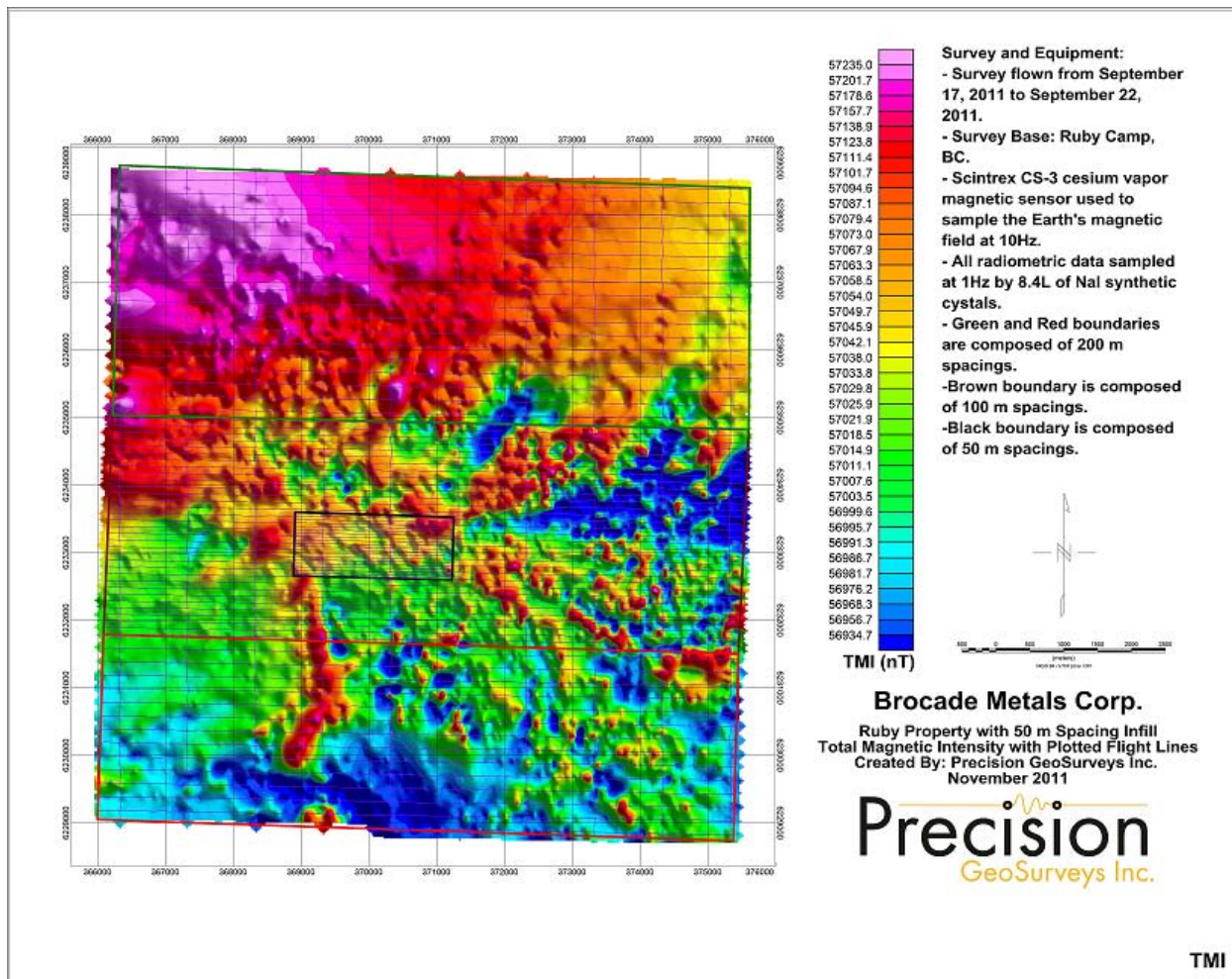


Figure 10: Precision GeoSurveys Total Magnetic Intensity in the Ruby Property Area (2011)

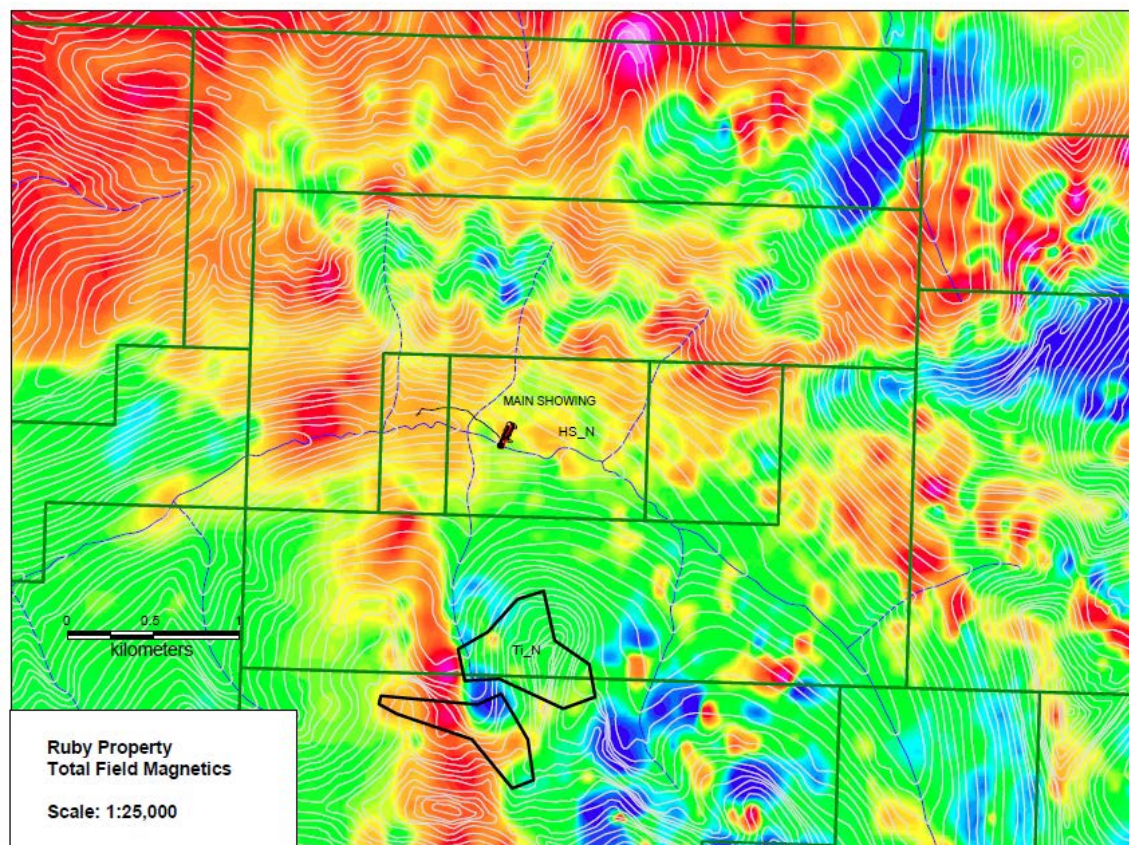


Figure 11: Total Magnetic Field Centred on the Main Showing

Figure 12 (total count) is typical of the radiometric results, all of which show a very distinct “low” in the area of the Main showing along the line of Jimmay Creek. Radiometric “highs” correspond closely to geographic highs. This may simply be a reflection of less vegetative cover on high ground (see Figure 9 for comparison). Nevertheless, radiometric values are decidedly high along the downstream extension of Jimmay creek, which is topographically low and follows the arcuate magnetic high referred-to above. This suggests that a closer look downstream of the Main showing would be warranted. Waste from old placer workings downstream of the Main showing might also have contributed to the radiometric high in that area.

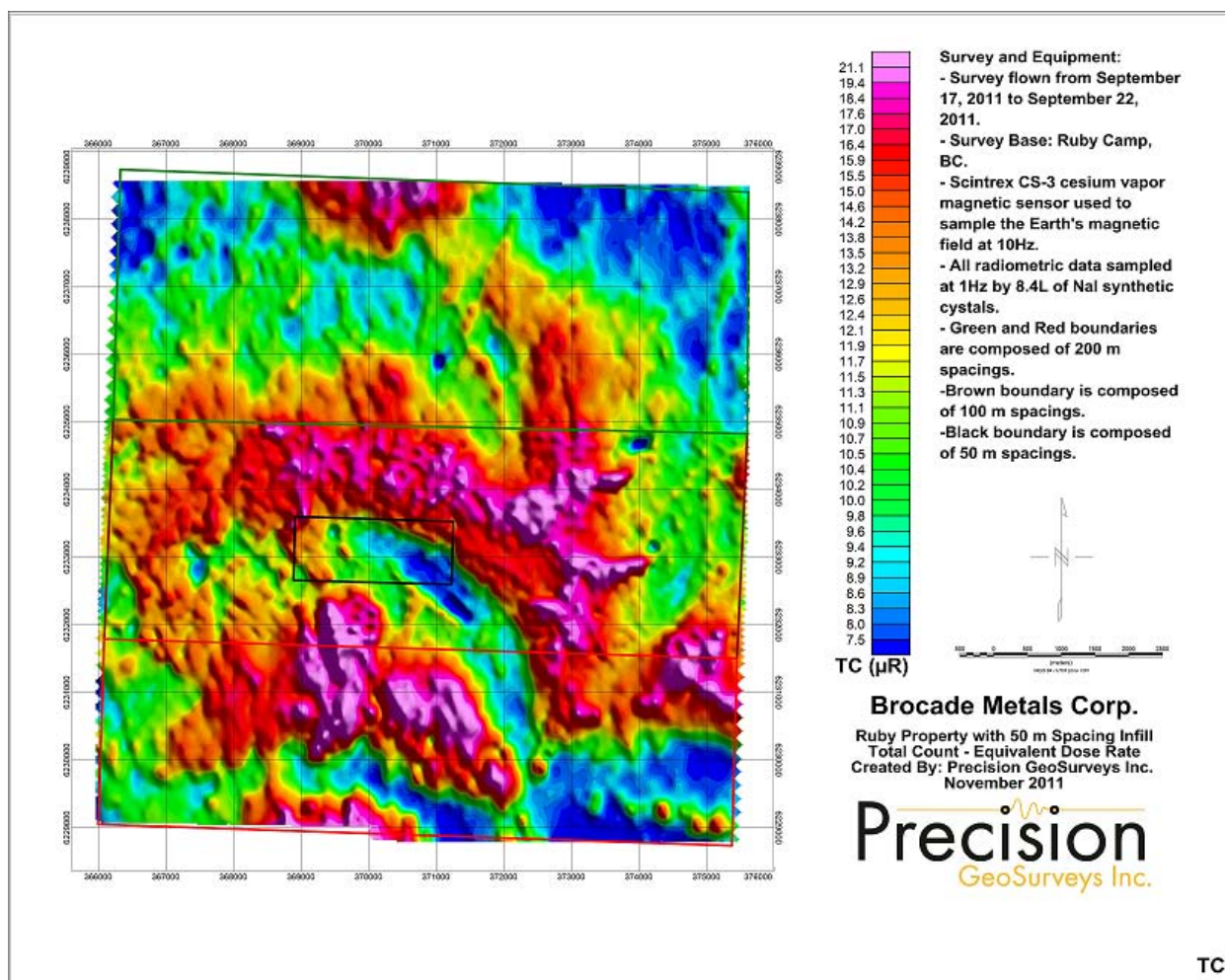


Figure 12: Precision GeoSurveys Total Count Radiometric Data in the Ruby Property Area (2011)

7 Sample Preparation, Analyses, QA/QC and Security

All of the rock, soil, and silt samples collected during the 2011 field season were sealed in labelled poly or kraft sample bags and packed into heavy woven nylon 'rice' bags for shipment. Samples were subsequently delivered to Acme Analytical Laboratories in Vancouver, BC, by commercial carrier. A representative hand sample for each rock outcrop sample submitted for analysis was retained for future reference.

All samples were crushed and pulverized and the resulting sample pulps were analyzed. Rocks collected during the initial property visit, primarily from the Main showing, were analyzed using Acme's Assay2 exploration package, which consists of a multi-element assay by ICP-ES and a gold and silver fire assay with gravimetric finish for over-limits. All other samples were analyzed using the Acme's 1DX3 geochemical package, a 1:1:1 Aqua Regia Digestion with an ICP-MS finish. The website <http://www.acmelab.com> provides a more detailed account of these analytical procedures.

Acme used its standard protocol for quality assurance/quality control. Briefly, the first sample in the analyzed sequence incorporates a granite or quartz sample-prep blank(s) which then is carried through all stages of preparation and analysis. In addition, in the 2011 channel samples (Table 2), samples 3500, 3525A and 3550 were checks inserted by the project proponent. Checks were also included among soil and silt samples submitted for analysis.

Duplicate samples collected by the principal author (see below) were sent to ALS Minerals (ALS) laboratory in Vancouver, BC for analysis using protocols similar to Acme's.

8 DATA VERIFICATION

The writer directly oversaw the collection of seven (7) samples to duplicate channel samples collected as part of the 2011 program. In addition, two (2) samples were taken to duplicate channels taken by earlier workers (see Table 3, above).

Gold determinations by the assayer, ALS, were regarded as semi-quantitative. The results are broadly consistent with those set out in Table 4. Noteworthy, however, are JD 03507, 03510, 03517, and 03542, in which gold values are much lower than in the original samples; and JD 03532 and 03541, in which gold values may be significantly higher. Because all of these values are very low, and the ALS results for gold are regarded as semi-quantitative, there may be no statistical significance to these differences.

9 RESULTS

Main Showing

An assessment of the Main showing (Cominco's No. 4 Cut) encountered a complex series of crosscutting veins and faults. The veins range in width from 15 cm to 8.2 m.

The Main showing area was re-excavated and a grid was set up extending to 26 metres south of Jimmay Creek and 112 metres north. Central to the Main showing is a fault or shear zone that strikes about 020 degrees and dips moderately to the east. This through-going structure, as well as several smaller-scale sympathetic structures, truncate and therefore post-date the veins. Three sets of veins were described historically. 'A' veins are distinct from the other two veins based on mineralogy and orientation. 'B' and 'C' veins generally have a similar north north-northeast strike, often with fault or shear zones developed along one or both vein margins. Some 'C' veins appear to have a more north-easterly strike than the 'B' veins.

DeGrace (2011) revised the vein set interpretation during the 2011 exploration program. Early, barren or weakly mineralized veins were called "set 1" veins; the silver+/-gold enriched polymetallic veins were referred to as "set 2" veins; and the younger northwest-trending, commonly barren, locally weakly mineralized veins were referred to as "set 3" veins.

A total of 49 channel samples were collected using a rock saw in the three excavated panels of the Main showing. Sample 3501 was a dark grey clay gouge with quartz stockwork and graded 34 g/t Ag, 0.181 g/t Au, and 2325 g/t As over 0.5 m. Sample 3544, also including quartz stockwork, displayed traces of ruby silver; and graded 35.1 g/t Ag, 0.189 g/t Au and 1032.5 ppm As over 2 m. Sample 3521 comprised pale white to dark grey quartz with traces of pyrite, graded 0.515 g/t Au over 1 m. Finally, sample 3536, collected across a shear zone graded 0.379 g/t Au, 8585 g/t As, 739.7 ppm Pb and 4056 ppm Zn over approximately 1 m.

Notwithstanding the presence of ruby silver, silver values generally were low in the Main showing averaging 3.06 ppm. Only two samples, 3501 with 34 ppm Ag, and 3544, with 35.1 ppm Ag, were standouts, and with these two excluded the average of the remaining samples was significantly less at 1.75 ppm. Gold values were more impressive in the Main showing area, at an average of 119.7 ppm with ten samples grading over 200 ppb.

Prospecting and Rock Sampling

Rock samples were collected northwest and south of the Main showing, with the addition of a few in the southeast corner of the property and others in the southwest. A total of 41 rock samples were submitted for analysis (see Table 5, above)..

Most of the rock samples collected from areas outside of the Main showing returned poor results, but there were a few exceptions. Sample R11-BL05 was taken in the southeast corner of the property and contained 15 g/t Ag, 0.708 g/t Au, and 1913 ppm Pb. Sample R11-BR037 was taken to the northwest of the Main showing and returned results with 0.507 g/t Au and 5804 ppm As.

Contour Soil Sampling

A total of 314 soil samples were collected along two contour lines. North of Jimmay creek 186 samples were collected on a line length of 4.8 km close to the 1520 m contour. South of Jimmay Creek 128 samples were collected along 3.9 km close to the 1400 m contour (Figure 8).

Soil samples in general returned unspectacular results with averages of 0.4 ppm Ag, 2.8 ppb Au, 16.1 ppm Pb, 69.0 ppm Zn and 11.7 ppm As. As noted above, a set of seven samples collected along the approximate 1520m contour on the north side of Jimmay Creek, along the 1.1 km interval between eastings 368000 and 369100 is locally, if weakly, anomalous in silver, gold, lead and zinc and merits more careful prospecting.

Stream Sediment Sampling

Stream sediment and moss mat samples were collected primarily from streams that crossed the soil lines, as well as a from few other streams southwest of the main showing. A total of 42 of these samples were collected. Other than a few lead-zinc anomalies the stream sediment samples did not return impressive results. The averages were; 0.6 ppm Ag, 1.7 ppb Au, 17.1 ppm Pb, 88.0 ppm Zn and 5.6 ppm As. Maximum values for lead, zinc and arsenic were 147.1 ppm (collected near E373005/N6229500), 211 ppm (near E373200/N6232200), and 21.6 (near E369600/N6232700) respectively (see Figure 8).

10 INTERPRETATION AND CONCLUSIONS

Rocks of the Swannell Group in the Ruby Property area have been polydeformed and show the effects of eastward-directed compression and thrusting. These tectonic elements reflect the emplacement history of the Cassiar terrane of which they are a part. Small post-emplacement acidic intrusions may be cupolas that connect to a larger batholith at depth, which may be the source of the post-emplacement (set 2) mineralized veins.

Within the Main showing the rocks have been intruded by three steeply-dipping vein sets. Set 1 and 2 veins roughly parallel the strike of bedding and foliation. Set 3 veins transect foliation. Set 1 veins are weakly mineralized in places and are involved in deformation. Sets 2 and 3 are post-deformation. Set 2 veins contain gold and silver mineralization concentrated in intrusion-brecciated quartzite beds. Pyrrargyrite, or ruby silver, tetrahedrite and native silver appear to be the principal metallic minerals of interest. Associated sulphide minerals include pyrite, sphalerite, chalcopyrite, arsenopyrite, galena and molybdenite. Polybasite has also been reported. Metallic and/or sulphide mineral content is rarely seen to exceed 2%. Set 3 veins are of barren or nearly barren “bull” quartz. Apart from certain highly mineralized grab samples, and locally mineralized channel samples, the entire Main showing trench area is anomalous in respect of gold compared to its surroundings.

Set 2 veins in the Main showing area should be evaluated at depth by diamond drilling, with boreholes plunging across strike spotted from each side of the vein set in the Main showing area (see “Recommendations” below).

Geochemical results were generally disappointing but a zone, weakly anomalous for gold, extending for about 1.1 km along the 1500 contour along Jimmay Creek merits further examination by soil sampling along contours above and below the anomalous zone.

Taken together, the airborne magnetic and radiometric results point to an anomalous zone in the area of the Jimmay watercourse downstream of the Main showing for a distance of roughly 2 km.

11 RECOMMENDATIONS

Notwithstanding the mixed results of the 2011 exploration program, the locally high silver +/- gold grades encountered in the Main showing, the high (compared to local background) gold values in the Main showing trench generally, and the exceptionally high-grade silver float occurrences need a thorough assessment and follow-up. In addition, further prospecting is warranted along a 1.1 km extent of soil sampling along the 1500m contour north of Jimmay Creek. Lacking outcrop, this necessarily would be by sampling along at least one contour above and below the anomalous zone. Finally, based on the geophysical results, a geochemical program of soil and silt sampling for about 2 km downstream of the Main showing on Jimmay Creek is warranted.

In order to determine whether the Main showing continues at depth a modest drilling program will be necessary. At surface, the mineralized veins are subvertical to steeply east-dipping, and to determine

their extension at depth a minimum program of six boreholes from three sites is recommended – four, from two sites, directed at a plunge of about 60 degrees towards the downward extension of the vein set from one side; and two, from one site, similarly-directed from the other side. The writer concurs with the recommendation of Shives (2011), that a detailed interpretation of the airborne geophysical survey is warranted, supported by a brief ground spectrometric survey on bedrock in the main showing areas and other geological units for comparison purposes.

The existing access road and temporary exploration camp site may be used for the purpose. Prospecting and, if warranted as the season progresses, trenching to follow-up on the several weakly anomalous soil samples collected along the 1500m contour north of Jimmy Creek will require helicopter support.

12 Itemized Cost Statement – Ruby Property

RUBY - 2011 Exploration Expenditures					
Office Studies					
B Lane, PGeo	Project Preparation	2.25	\$700.00	\$1,575.00	
K MacDonald, PGeo	Project Preparation	3.5	\$700.00	\$2,450.00	
				\$4,025.00	\$4,025.00
Personnel / Position	Field / Travel Days	Days / Units	Rate	Subtotal	
B Lane, PGeo	Aug.20-29, Sep 6, 8-10, 16	13.5	\$700.00	\$9,450.00	
K MacDonald, PGeo	Aug.19-29	10	\$700.00	\$7,000.00	
J DeGrace, PEng/PGeo	Aug.19-22	4	\$600.00	\$2,400.00	
B Jacobson, GIT	Aug.19-29, Sep 6-10, 12	15	\$350.00	\$5,250.00	
B Johnson, Prospector	Aug.20-29, Sep 6-10, 12	14	\$400.00	\$5,600.00	
B Kornichuk, Technician	Aug.19-29	10	\$275.00	\$2,750.00	
C Wintemute, Assistant	Aug.19-29, Sep 6-10, 12	15	\$225.00	\$3,375.00	
B Shea, Assistant	Sep 6-10, 12	5	\$225.00	\$1,125.00	
				\$36,950.00	\$36,950.00
Helicopter		Hrs	Rate	Subtotal	
Interior Helicopters	Reconnaissance	5.2	6396	6,396.00	
				6,396.00	\$6,396.00
Geochemical Surveying	Type	No.	Rate	Subtotal	
Acme Analytical	Rock, soil & silt samples	469		\$9,543.56	
Bandstra	Sample Shipping	1	110.51	\$110.51	
				\$9,654.07	\$9,654.07
Airborne Geophysics		Line-km	Rate	Subtotal	
Report Writing					
Plateau Minerals Corp.	Report Preparation	3.5	700.00	\$2,450.00	
Allnoth Consultants Ltd	Maps for Reports	1	1,530.00	\$1,530.00	
				\$3,980.00	\$3,980.00

Transportation		Units	Rate	Subtotal	
Kilometre Charges – Vehicles	Four 4x4 Pickups	6,430	\$0.65	\$4,179.50	
				\$4,179.50	\$4,179.50
Camp Costs		Units	Rate	Subtotal	
CJL Ventures, Ridgeview, Plateau	Camp: transportation, construction, operation, expediting & food	1	\$68,000.51	\$68,000.51	
	Site fuel	1	\$498.42	\$498.42	
				\$68,498.93	\$68,498.93
Road Access		Units	Rate	Subtotal	
Blackwater Construction	Road Rehabilitation	1	\$70,375.00	\$70,375.00	
				\$70,375.00	\$70,375.00
Trenching		Units	Rate	Subtotal	
Blackwater Construction	Excavating & Recontouring	1	\$19,625.00	\$19,625.00	
				\$19,625.00	\$19,625.00
Equipment Rental		Units	Rate	Subtotal	
Forestgem, Ridgeview, Bowmac	Side-by-Side, Quad & Trailer Rentals	4	\$7,835.00	\$7,835.00	
Ridgeview	Generator	11	\$20.00	\$220.00	
Plateau Minerals	Iridium Phone & VHF radios	1	\$935.00	\$935.00	
Tower Communications	Camp Satellite System	1	\$2,642.00	\$2,642.00	
				\$11,632.00	\$11,632.00
Equipment & Supplies		Units	Rate	Subtotal	
IRL, Ridgeview, Plateau	Misc sampling gear (hammers, Chisels, bags, etc), PPE, FA, camp equipment (bunks, foamies, tarps, etc)	1	\$6,812.22	\$6,812.22	
				\$6,812.22	\$6,812.22
<i>TOTAL Expenditures</i>					\$242,127.72

13 References

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14 Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, John R. DeGrace, PEng/PGeo, residing in Prince George, B.C., do hereby certify that:

I am currently employed as a consulting geologist by Plateau Minerals Corp, located at #7 – 1750 S. Quinn Street, Prince George, British Columbia, Canada, V2N 1X3.

I obtained a Bachelor of Science in Engineering (Geological) from Queen's University at Kingston, Ontario, in 1969; and a Master of Science degree in Geology in 1971 from Memorial University of Newfoundland.

I have worked as a geologist for more than 20 years since my graduation from university.

I am a Professional Engineer (PEng) and a Professional Geoscientist (PGeo) registered with the Association of Professional Engineers and Geoscientists of British Columbia, Registration #31528, and have been a member in good standing since 2007.

I participated in the exploration program that took place on the Ruby property in August and September 2011. This report presents, summarizes and interprets the data acquired during the 2011 field season.

I am a co-author of this report entitled "2011 Assessment Report on the Ruby Property," dated February 21, 2012

Dated this 24th day of February, 2012, at Prince George, British Columbia.

John R. DeGrace, PEng/PGeo



STATEMENT OF QUALIFICATIONS

I, Bethany Jacobson, GIT, residing in Prince George, B.C., do hereby certify that:

I am currently employed as a consulting geologist by Plateau Minerals Corp, located at #7-1750 S. Quinn Street, Prince George, British Columbia, V2N 1X3

I have worked as a geologist for 3 years.

I am a Geologist in Training (GIT) registered with the Association of Professional Engineers and Geoscientists of British Columbia, license #151525.

I participated in the 2011 exploration program that took place on the Ruby property in August and September 2011. This report presents and summarizes the data acquired during the 2011 field season.

I am a co-author of this report entitled “2011 Assessment Report on the Ruby Property” dated February 21, 2012.

Dated this 21st day of February, 2012, at Prince George, British Columbia.

Bethany Jacobson, GIT

Appendix A
Laboratory Certificate



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Brocade Metals Corp.**
620 - 1100 Melville St.
Vancouver BC V6E 4S3 Canada

Submitted By: Bob Lane
Receiving Lab: Canada-Vancouver
Received: August 31, 2011
Report Date: October 03, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN11004367.1

CLIENT JOB INFORMATION

Project: RUBY
Shipment ID: RU-1
P.O. Number
Number of Samples: 64

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	59	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1DX2	64	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: Brocade Metals Corp.
620 - 1100 Melville St.
Vancouver BC V6E 4S3
Canada

CC: Ken MacDonald



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 2 of 4 Part 1

CERTIFICATE OF ANALYSIS

VAN11004367.1

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	
03500	Rock Pulp	0.11	2.8	22.0	2.4	33	0.4	18.7	8.0	288	1.77	2.7	0.9	1.0	30	0.2	0.4	<0.1	44	0.69	0.043
03501	Rock	3.06	76.6	15.3	1037	207	34.0	14.1	6.6	85	2.06	2325	181.2	3.0	13	1.2	31.0	63.0	3	0.09	0.005
03502	Rock	5.22	7.3	3.8	38.6	94	0.9	5.0	1.8	60	1.05	1337	175.2	1.1	3	0.6	14.7	0.7	<2	0.02	0.001
03503	Rock	2.20	0.5	7.0	89.0	408	0.7	9.6	4.3	307	1.26	2237	245.6	3.7	17	2.3	19.0	0.3	2	0.21	0.003
03504	Rock	5.81	0.5	18.2	31.7	170	1.7	20.1	8.9	412	2.58	3010	360.5	6.7	7	1.0	21.2	0.4	3	0.11	0.015
03505	Rock	2.46	2.3	8.8	69.2	118	2.2	9.7	5.1	69	3.61	1271	112.6	2.5	12	0.8	23.1	0.6	3	0.09	0.003
03506	Rock	3.47	8.0	16.4	179.6	575	2.6	12.2	6.4	189	1.76	1937	275.0	3.7	2	3.3	17.3	2.6	<2	0.01	0.003
03507	Rock	1.95	0.7	28.7	38.7	184	1.4	30.1	13.4	899	2.72	1307	117.0	9.2	6	0.7	10.6	0.2	3	0.07	0.012
03508	Rock	1.77	1.0	64.1	37.6	156	1.3	46.5	21.8	1320	4.28	105.3	5.1	14.7	45	0.5	3.5	0.4	7	0.38	0.030
03509	Rock	1.72	0.4	13.8	31.7	127	2.8	17.7	7.3	85	1.72	2869	338.2	3.2	3	0.7	25.3	0.3	2	0.02	0.002
03510	Rock	3.94	0.8	11.0	38.0	135	1.1	10.6	5.4	156	2.60	613.6	82.9	4.0	3	0.8	8.5	0.4	3	0.03	0.006
03511	Rock	2.18	0.4	23.9	20.8	42	0.9	11.4	5.8	41	0.96	344.0	64.8	4.2	3	0.3	3.9	0.5	2	0.02	0.007
03512	Rock	3.44	1.9	3.6	30.7	42	0.6	2.2	1.1	86	0.87	368.8	65.9	0.3	12	0.3	4.2	0.5	<2	0.11	<0.001
03513	Rock	2.99	0.3	5.6	61.9	24	2.2	1.6	1.2	42	0.52	83.6	12.6	0.1	<1	0.1	0.9	2.8	<2	<0.01	<0.001
03514	Rock	2.65	0.3	3.3	94.5	64	2.7	2.7	1.4	82	0.87	436.0	66.7	0.6	7	0.4	4.5	4.9	<2	0.06	<0.001
03515	Rock	4.08	3.6	4.0	52.2	99	0.6	2.7	1.6	67	1.13	497.2	75.9	0.2	4	0.6	4.7	0.8	<2	0.03	<0.001
03516	Rock	2.18	1.6	13.5	59.1	178	0.9	9.1	4.4	186	1.57	857.4	114.8	2.2	15	1.0	10.5	0.4	<2	0.12	0.005
03517	Rock	2.85	0.6	12.7	21.3	95	0.9	14.2	7.3	282	2.79	1931	216.6	4.3	3	0.4	19.7	0.3	3	0.02	0.002
03518	Rock	1.77	0.2	18.7	171.8	120	4.2	3.1	1.4	54	0.77	941.6	162.2	0.8	1	0.6	14.6	0.1	<2	<0.01	<0.001
03519	Rock	6.27	0.3	7.6	7.0	44	0.2	16.3	8.1	655	1.72	108.4	7.2	6.6	4	<0.1	2.5	<0.1	3	0.06	0.014
03520	Rock	2.99	0.3	14.4	11.3	56	0.8	19.3	8.7	362	1.84	252.8	24.6	6.2	5	0.3	4.4	0.1	3	0.05	0.010
03521	Rock	2.55	0.5	29.5	36.7	171	1.1	14.6	10.7	131	1.62	3676	514.5	6.5	4	1.0	22.9	0.3	4	0.02	0.010
03522	Rock	2.31	0.5	10.5	39.5	96	2.3	15.4	8.0	33	4.72	2752	311.8	4.1	4	0.5	21.4	0.4	2	0.03	0.008
03523	Rock	4.36	0.6	15.0	19.2	80	1.3	20.7	9.1	147	9.17	165.4	19.9	4.0	5	0.4	12.9	0.1	4	0.04	0.011
03524	Rock	3.24	0.1	10.3	17.7	117	0.7	13.0	6.1	583	1.56	104.8	3.3	7.0	3	0.6	2.4	<0.1	3	0.04	0.010
03525	Rock	3.95	0.7	19.9	18.1	70	1.0	13.8	9.1	184	5.04	73.2	10.5	6.0	5	0.4	6.7	0.1	5	0.04	0.013
03525A	Rock Pulp	0.12	48.4	>10000	>10000	>10000	>100	28.8	19.7	5337	9.16	2215	2595	1.3	25	61.9	1588	21.9	23	0.72	0.026
03526	Rock	2.25	0.3	17.6	84.6	314	0.4	11.1	5.0	191	1.32	68.5	3.3	5.6	4	1.9	2.3	<0.1	3	0.05	0.019
03527	Rock	1.98	0.4	13.9	14.0	42	0.4	10.0	5.8	82	4.27	22.8	4.9	6.1	4	0.4	3.8	<0.1	3	0.04	0.013
03528	Rock	3.60	0.3	18.8	94.4	313	0.7	17.4	8.5	679	2.09	1319	79.3	5.8	5	1.6	9.9	0.1	3	0.06	0.018

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.



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: **Brocade Metals Corp.**
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 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 2 of 4 Part 2

CERTIFICATE OF ANALYSIS

VAN11004367.1

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	0.01	0.01	0.01	0.05	1	0.5	0.2	
03500	Rock Pulp	5	26	0.48	77	0.107	2	1.07	0.063	0.07	12.5	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
03501	Rock	6	4	0.07	13	0.001	1	0.22	0.003	0.15	0.4	<0.01	0.7	0.4	1.80	<1	2.8	4.9
03502	Rock	3	9	0.03	8	0.002	<1	0.10	0.003	0.05	0.1	<0.01	0.3	<0.1	0.51	<1	<0.5	<0.2
03503	Rock	9	3	0.14	9	<0.001	<1	0.16	0.003	0.12	<0.1	0.04	0.9	0.1	0.51	<1	<0.5	<0.2
03504	Rock	15	5	0.21	13	0.001	3	0.27	0.004	0.18	0.2	0.06	1.4	0.2	0.93	<1	<0.5	<0.2
03505	Rock	6	5	0.08	14	0.002	<1	0.18	0.002	0.12	0.2	0.03	0.7	0.9	3.66	<1	<0.5	<0.2
03506	Rock	8	6	0.05	9	0.001	1	0.15	0.002	0.12	0.1	0.07	0.5	0.2	1.26	<1	<0.5	0.3
03507	Rock	23	5	0.35	16	0.001	<1	0.28	0.005	0.22	0.1	0.06	1.5	0.3	0.83	<1	<0.5	<0.2
03508	Rock	34	6	0.89	25	0.002	1	0.44	0.007	0.29	<0.1	0.02	2.3	0.2	0.62	1	<0.5	<0.2
03509	Rock	8	9	0.04	12	0.001	<1	0.17	0.003	0.12	0.1	0.06	0.6	0.2	1.36	<1	0.8	<0.2
03510	Rock	8	5	0.06	10	0.001	<1	0.16	0.002	0.11	0.1	0.05	0.8	0.5	2.41	<1	<0.5	<0.2
03511	Rock	8	8	0.02	11	<0.001	<1	0.16	0.002	0.13	<0.1	0.04	0.7	0.2	0.69	<1	<0.5	<0.2
03512	Rock	<1	8	0.04	4	<0.001	<1	0.02	<0.001	0.02	<0.1	<0.01	0.2	<0.1	0.39	<1	<0.5	<0.2
03513	Rock	<1	21	<0.01	1	<0.001	<1	0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.16	<1	<0.5	0.3
03514	Rock	1	7	0.04	8	<0.001	<1	0.08	0.001	0.06	<0.1	0.01	0.3	<0.1	0.39	<1	<0.5	0.3
03515	Rock	<1	21	0.02	6	<0.001	<1	0.04	0.003	0.03	<0.1	<0.01	0.1	<0.1	0.72	<1	<0.5	<0.2
03516	Rock	6	8	0.11	10	0.001	<1	0.13	0.004	0.09	0.1	0.03	0.6	0.1	0.82	<1	<0.5	<0.2
03517	Rock	11	12	0.11	14	<0.001	<1	0.18	0.004	0.14	0.2	0.13	1.0	0.6	2.14	<1	<0.5	<0.2
03518	Rock	2	7	0.01	4	<0.001	<1	0.06	0.002	0.04	0.1	0.03	0.2	<0.1	0.32	<1	<0.5	<0.2
03519	Rock	16	11	0.26	11	<0.001	1	0.23	0.002	0.16	<0.1	0.03	1.6	0.1	<0.05	<1	<0.5	<0.2
03520	Rock	16	5	0.16	14	0.002	<1	0.28	0.004	0.19	<0.1	0.07	1.4	0.3	0.93	<1	<0.5	<0.2
03521	Rock	17	13	0.07	17	0.002	1	0.27	0.004	0.20	0.1	0.05	1.0	0.2	0.81	<1	1.1	<0.2
03522	Rock	9	4	0.03	10	<0.001	<1	0.20	0.003	0.14	<0.1	0.09	0.9	1.3	5.09	<1	0.9	<0.2
03523	Rock	8	5	0.07	13	0.001	1	0.23	0.004	0.17	<0.1	0.11	1.0	2.8	9.39	<1	0.7	<0.2
03524	Rock	16	7	0.21	14	0.001	2	0.24	0.004	0.15	0.2	0.05	1.0	0.1	<0.05	<1	<0.5	<0.2
03525	Rock	13	7	0.11	24	0.003	<1	0.38	0.005	0.21	0.1	0.09	1.1	1.8	4.96	1	<0.5	<0.2
03525A	Rock Pulp	3	23	0.52	46	0.043	1	0.69	0.043	0.08	0.2	4.69	2.2	0.7	2.86	3	2.5	0.6
03526	Rock	15	5	0.07	17	0.003	<1	0.28	0.003	0.16	0.5	0.19	0.9	0.2	0.33	<1	<0.5	<0.2
03527	Rock	11	8	0.07	16	0.003	<1	0.27	0.003	0.18	0.2	0.65	0.7	1.1	4.43	<1	<0.5	<0.2
03528	Rock	14	6	0.28	14	<0.001	<1	0.21	0.003	0.15	0.2	0.03	1.2	0.3	0.50	<1	<0.5	<0.2



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

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Client: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 3 of 4 Part 1

CERTIFICATE OF ANALYSIS

VAN11004367.1

Method Analyte	Unit	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
03529	Rock	3.66	0.4	24.8	551.4	479	4.5	16.2	11.1	345	3.19	5400	306.1	5.5	5	3.4	35.3	0.2	2	0.03	0.011
03530	Rock	3.48	0.5	31.6	105.3	432	3.4	16.9	10.2	745	2.37	1219	136.9	4.7	5	2.4	10.1	0.1	3	0.05	0.010
03531	Rock	3.83	0.6	12.7	49.4	154	1.2	10.7	5.5	104	4.30	165.3	29.4	5.0	4	0.7	6.5	0.3	4	0.02	0.010
03532	Rock	5.20	0.5	20.4	62.0	231	2.6	13.6	7.1	237	1.97	554.4	62.3	5.6	4	1.4	7.0	0.2	4	0.03	0.013
03533	Rock	4.07	0.2	12.2	35.0	126	0.5	10.6	6.8	56	1.76	160.0	10.9	5.6	4	0.9	3.8	<0.1	3	0.05	0.019
03534	Rock	4.50	0.5	21.0	42.2	178	2.4	15.7	8.5	390	1.91	387.5	45.2	5.7	3	1.5	4.4	0.2	3	0.04	0.009
03535	Rock	4.82	0.4	16.8	227.1	196	1.6	13.2	7.5	205	2.77	502.0	33.0	5.0	4	1.2	7.5	0.2	3	0.03	0.012
03536	Rock	2.86	1.1	46.8	739.7	4056	4.4	28.0	14.8	1650	6.39	8585	379.8	7.5	5	26.4	59.5	1.8	6	0.05	0.006
03537	Rock	4.63	0.5	22.6	40.2	151	1.4	18.8	8.8	488	4.37	155.1	11.4	5.4	13	0.7	6.8	0.3	4	0.14	0.019
03538	Rock	4.41	0.2	14.2	294.1	837	1.5	8.7	4.8	302	1.60	3072	192.5	2.6	42	6.0	19.7	0.4	2	0.30	0.006
03539	Rock	3.72	0.3	30.5	171.9	715	1.6	19.6	8.9	367	1.86	332.7	57.3	2.5	9	4.2	4.8	0.3	3	0.17	0.013
03540	Rock	2.43	0.4	29.9	105.3	539	1.3	17.9	10.3	324	2.17	688.0	53.8	5.3	4	3.0	6.7	0.3	3	0.05	0.020
03541	Rock	2.37	0.4	37.8	10.9	69	1.3	25.6	14.4	509	3.07	494.4	43.4	7.8	6	0.2	7.0	0.3	4	0.09	0.027
03542	Rock	1.86	0.2	17.8	193.5	344	4.8	5.5	2.9	303	1.32	2037	260.7	1.5	34	2.0	22.0	0.3	2	0.33	0.001
03543	Rock	2.21	0.4	7.7	6.2	49	1.2	11.1	5.4	113	3.14	636.0	46.8	4.2	3	0.2	8.7	<0.1	3	0.02	0.005
03544	Rock	5.34	0.4	59.9	256.2	163	35.1	16.5	8.4	310	3.44	1033	188.5	5.3	4	1.0	28.5	0.3	4	0.04	0.009
03545	Rock	4.06	0.2	12.4	13.8	76	0.4	13.3	7.6	482	1.73	234.0	37.0	5.5	4	0.3	2.9	<0.1	3	0.04	0.011
03546	Rock	7.10	0.4	25.9	72.7	191	4.9	14.9	7.9	391	1.62	1124	210.4	5.0	4	1.1	10.8	0.2	3	0.03	0.007
03547	Rock	4.47	0.3	30.3	49.9	194	2.2	23.1	10.3	183	1.68	444.9	58.7	0.6	1	1.1	6.5	0.2	<2	<0.01	0.001
03548	Rock	3.55	0.2	7.0	17.9	21	0.7	5.0	2.1	113	0.74	53.8	10.1	0.5	1	<0.1	1.1	0.9	<2	0.01	0.002
03549	Rock	3.54	0.3	14.8	13.4	70	0.7	15.9	7.7	589	1.96	417.1	38.5	5.9	8	0.3	4.8	0.3	3	0.08	0.008
03550	Rock Pulp	0.11	36.0	>10000	>10000	9770	>100	24.4	17.4	5011	9.12	1916	1757	1.0	20	53.8	1274	15.9	24	0.63	0.027
R11-BE000	Rock Pulp	0.11	2.7	33.7	50.6	37	0.9	15.1	6.8	242	1.59	4.3	3.1	0.7	26	0.2	1.7	<0.1	39	0.58	0.040
R11-BE001	Rock	2.16	0.1	8.4	3.7	3	<0.1	3.0	1.0	46	0.42	<0.5	1.0	<0.1	<1	<0.1	0.2	<0.1	<2	<0.01	<0.001
R11-BE002	Rock	2.53	0.1	1.6	3.4	2	<0.1	0.8	0.2	49	0.42	<0.5	<0.5	<0.1	<1	<0.1	0.2	<0.1	<2	<0.01	<0.001
R11-BE003	Rock	1.13	0.2	5.9	7.8	5	<0.1	4.9	2.4	48	0.83	<0.5	<0.5	0.2	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
R11-BE004	Rock	1.45	0.1	1.1	1.5	<1	<0.1	0.5	0.1	30	0.32	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
R11-KM001	Rock	1.90	1.3	6.4	7.5	21	<0.1	1.7	0.7	41	0.88	14.2	4.0	10.0	12	<0.1	0.7	<0.1	2	0.02	0.025
R11-KM002	Rock	2.42	0.2	5.4	9.2	5	0.2	2.1	1.4	54	0.86	3.1	1.7	0.2	<1	<0.1	0.8	0.1	<2	<0.01	0.002
R11-KM003	Rock	2.28	0.3	38.1	10.3	83	0.2	32.0	10.7	371	4.24	2.6	1.4	6.3	6	0.2	0.3	0.2	8	0.13	0.035

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

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Page: 3 of 4 Part 2

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
03529	Rock	12	8	0.09	16	<0.001	<1	0.22	0.003	0.15	0.1	0.07	0.9	0.8	2.24	<1	1.5	<0.2
03530	Rock	12	8	0.15	19	<0.001	<1	0.24	0.005	0.15	0.2	0.03	0.9	0.4	1.17	<1	<0.5	<0.2
03531	Rock	11	7	0.08	20	0.003	2	0.28	0.004	0.18	0.2	0.49	1.0	1.3	3.79	<1	0.8	<0.2
03532	Rock	13	6	0.10	19	0.002	2	0.26	0.006	0.17	0.1	0.10	1.3	0.2	0.77	<1	<0.5	<0.2
03533	Rock	11	6	0.05	19	0.002	3	0.28	0.005	0.18	0.2	0.35	0.8	0.4	1.53	<1	<0.5	<0.2
03534	Rock	16	4	0.15	19	0.001	1	0.19	0.003	0.16	0.2	0.07	1.0	0.2	0.50	<1	<0.5	<0.2
03535	Rock	11	6	0.09	17	0.002	2	0.24	0.004	0.16	0.2	0.08	1.1	0.5	1.94	<1	<0.5	<0.2
03536	Rock	13	6	0.65	26	0.003	2	0.33	0.005	0.22	0.1	0.13	1.8	0.3	3.17	1	2.3	0.3
03537	Rock	11	7	0.32	16	0.002	1	0.27	0.004	0.18	0.1	0.05	1.4	0.8	3.21	<1	<0.5	<0.2
03538	Rock	7	7	0.21	10	0.001	<1	0.17	0.003	0.12	<0.1	0.03	0.9	<0.1	0.73	<1	0.8	<0.2
03539	Rock	5	8	0.18	12	0.002	1	0.20	0.002	0.12	<0.1	0.03	0.7	<0.1	1.02	<1	0.7	<0.2
03540	Rock	11	6	0.10	13	0.001	2	0.24	0.003	0.15	<0.1	0.13	1.0	0.2	1.36	<1	0.5	<0.2
03541	Rock	17	7	0.28	20	0.002	2	0.33	0.005	0.23	<0.1	0.08	1.4	0.4	1.79	1	<0.5	<0.2
03542	Rock	4	6	0.19	8	<0.001	<1	0.11	0.003	0.08	<0.1	0.06	0.8	<0.1	0.41	<1	<0.5	<0.2
03543	Rock	9	6	0.04	12	<0.001	2	0.16	0.003	0.13	<0.1	0.06	0.8	0.4	2.82	<1	<0.5	<0.2
03544	Rock	13	6	0.19	21	0.003	2	0.26	0.005	0.18	0.1	0.20	1.0	0.6	2.43	<1	1.1	<0.2
03545	Rock	14	6	0.26	16	0.001	2	0.21	0.003	0.16	<0.1	0.05	1.2	<0.1	0.18	<1	<0.5	<0.2
03546	Rock	12	7	0.14	23	0.001	1	0.22	0.004	0.16	0.1	0.08	1.0	<0.1	0.36	<1	<0.5	<0.2
03547	Rock	1	8	0.05	4	<0.001	2	0.05	0.002	0.04	<0.1	<0.01	0.2	<0.1	1.13	<1	<0.5	<0.2
03548	Rock	2	8	0.04	6	0.002	<1	0.07	0.002	0.04	<0.1	<0.01	0.2	<0.1	0.22	<1	<0.5	<0.2
03549	Rock	14	5	0.23	13	0.001	<1	0.19	0.004	0.14	0.1	0.05	1.7	<0.1	0.51	<1	<0.5	<0.2
03550	Rock Pulp	2	23	0.51	41	0.038	2	0.64	0.039	0.07	0.2	3.63	2.2	0.5	2.88	2	2.8	0.5
R11-BE000	Rock Pulp	4	23	0.42	69	0.080	1	0.90	0.051	0.06	11.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
R11-BE001	Rock	<1	7	<0.01	1	<0.001	<1	0.02	0.002	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
R11-BE002	Rock	<1	7	<0.01	2	<0.001	<1	0.02	0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
R11-BE003	Rock	<1	9	<0.01	3	<0.001	<1	0.02	0.002	<0.01	<0.1	<0.01	<0.1	<0.1	0.34	<1	<0.5	<0.2
R11-BE004	Rock	<1	7	<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
R11-KM001	Rock	30	2	0.03	64	<0.001	1	0.46	0.006	0.24	<0.1	0.03	0.7	0.2	0.06	1	<0.5	<0.2
R11-KM002	Rock	<1	8	<0.01	2	<0.001	4	0.02	0.001	0.01	<0.1	<0.01	0.1	<0.1	0.12	<1	<0.5	<0.2
R11-KM003	Rock	13	16	0.92	19	0.002	2	0.72	0.010	0.22	<0.1	<0.01	1.6	<0.1	0.44	2	<0.5	<0.2

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



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 4 of 4 Part 1

CERTIFICATE OF ANALYSIS

VAN11004367.1

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	
R11-KM004	Rock	1.36	0.2	7.2	7.2	26	<0.1	12.1	5.5	449	1.35	5.1	<0.5	7.8	11	0.1	0.1	<0.1	6	0.37	0.025
R11-KM005	Rock	4.04	0.3	13.7	63.5	2	1.5	18.1	18.3	206	3.66	20.3	7.5	0.3	10	<0.1	0.1	6.2	<2	0.26	<0.001
R11-KM006	Rock	2.08	0.3	9.1	21.1	36	0.2	14.8	7.1	311	2.48	10.1	1.1	5.6	14	0.1	0.2	0.7	6	0.28	0.019
R11-KM007	Rock Pulp	0.11	42.9	>10000	>10000	>10000	>100	28.1	18.0	5251	9.44	2264	2054	1.0	21	57.6	1452	16.3	26	0.71	0.024



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

www.acmelab.com

Client: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

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Page: 4 of 4 Part 2

CERTIFICATE OF ANALYSIS

VAN11004367.1

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	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	
R11-KM004	Rock	13	11	0.10	25	0.003	1	0.26	0.028	0.07	13.9	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2
R11-KM005	Rock	<1	8	0.13	3	<0.001	<1	0.03	0.004	0.01	7.2	<0.01	0.6	<0.1	3.13	<1	0.7	0.7
R11-KM006	Rock	9	11	0.24	31	0.009	<1	0.34	0.033	0.18	0.2	<0.01	1.3	<0.1	1.48	1	<0.5	<0.2
R11-KM007	Rock Pulp	2	23	0.54	42	0.040	2	0.69	0.043	0.08	0.2	3.84	2.2	0.6	2.90	2	2.6	0.5



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

www.acmelab.com

Client: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

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Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004367.1

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																					
03502	Rock	5.22	7.3	3.8	38.6	94	0.9	5.0	1.8	60	1.05	1337	175.2	1.1	3	0.6	14.7	0.7	<2	0.02	0.001
REP 03502	QC		7.4	3.5	39.2	99	0.8	5.1	2.1	62	1.05	1335	190.2	1.1	4	0.9	14.9	0.6	<2	0.02	0.001
03530	Rock	3.48	0.5	31.6	105.3	432	3.4	16.9	10.2	745	2.37	1219	136.9	4.7	5	2.4	10.1	0.1	3	0.05	0.010
REP 03530	QC		0.3	22.9	106.2	432	3.1	16.3	10.7	796	2.44	1269	135.4	4.8	5	2.5	9.8	0.1	3	0.05	0.009
03531	Rock	3.83	0.6	12.7	49.4	154	1.2	10.7	5.5	104	4.30	165.3	29.4	5.0	4	0.7	6.5	0.3	4	0.02	0.010
REP 03531	QC		0.8	13.2	52.9	162	1.2	11.7	5.8	113	4.13	177.0	31.7	5.3	4	0.9	7.0	0.2	4	0.02	0.010
03549	Rock	3.54	0.3	14.8	13.4	70	0.7	15.9	7.7	589	1.96	417.1	38.5	5.9	8	0.3	4.8	0.3	3	0.08	0.008
REP 03549	QC		0.4	16.0	13.9	69	0.7	16.6	7.9	598	1.93	421.9	37.2	6.0	7	0.3	4.8	0.3	3	0.08	0.008
R11-KM001	Rock	1.90	1.3	6.4	7.5	21	<0.1	1.7	0.7	41	0.88	14.2	4.0	10.0	12	<0.1	0.7	<0.1	2	0.02	0.025
REP R11-KM001	QC		1.4	6.1	7.4	21	<0.1	1.8	0.8	40	0.85	14.3	3.2	10.0	12	<0.1	0.6	<0.1	2	0.01	0.024
R11-KM004	Rock	1.36	0.2	7.2	7.2	26	<0.1	12.1	5.5	449	1.35	5.1	<0.5	7.8	11	0.1	0.1	<0.1	6	0.37	0.025
REP R11-KM004	QC		0.2	8.1	7.5	29	<0.1	13.7	5.9	480	1.41	5.3	1.3	8.1	13	0.2	0.1	<0.1	6	0.37	0.027
Core Reject Duplicates																					
03512	Rock	3.44	1.9	3.6	30.7	42	0.6	2.2	1.1	86	0.87	368.8	65.9	0.3	12	0.3	4.2	0.5	<2	0.11	<0.001
DUP 03512	QC		2.0	3.2	32.9	42	0.7	2.6	1.1	85	0.90	395.1	60.9	0.3	12	0.3	4.5	0.7	<2	0.10	<0.001
03546	Rock	7.10	0.4	25.9	72.7	191	4.9	14.9	7.9	391	1.62	1124	210.4	5.0	4	1.1	10.8	0.2	3	0.03	0.007
DUP 03546	QC		0.5	22.7	64.5	182	5.0	15.1	8.0	376	1.60	1101	188.5	5.0	4	1.1	11.2	0.2	3	0.03	0.007
Reference Materials																					
STD DS8	Standard		14.3	114.5	131.6	321	1.8	39.3	7.7	631	2.52	26.4	116.0	7.5	69	2.3	5.8	6.9	42	0.73	0.079
STD DS8	Standard		11.6	104.0	113.5	304	1.7	33.8	7.1	580	2.36	25.8	121.5	6.2	61	2.4	5.4	6.3	41	0.68	0.077
STD DS8	Standard		12.9	107.9	121.4	318	1.7	38.3	7.4	609	2.53	23.9	102.5	6.4	65	2.3	5.3	6.2	43	0.71	0.077
STD DS8	Standard		13.7	114.4	126.7	319	1.7	38.4	7.9	612	2.55	25.6	113.4	6.6	60	2.3	5.6	6.2	42	0.75	0.078
STD DS8	Standard		14.6	124.1	128.0	318	1.9	38.4	7.9	614	2.48	26.7	113.4	6.8	60	2.3	5.4	6.2	43	0.73	0.076
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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: **Brocade Metals Corp.**
620 - 1100 Melville St.
Vancouver BC V6E 4S3 Canada

Project: RUBY
Report Date: October 03, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004367.1

Method	Analyte	Unit	MDL	1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
Pulp Duplicates																				
03502	Rock			3	9	0.03	8	0.002	<1	0.10	0.003	0.05	0.1	<0.01	0.3	<0.1	0.51	<1	<0.5	<0.2
REP 03502	QC			3	9	0.03	8	0.002	<1	0.10	0.003	0.06	0.1	<0.01	0.3	<0.1	0.48	<1	<0.5	<0.2
03530	Rock			12	8	0.15	19	<0.001	<1	0.24	0.005	0.15	0.2	0.03	0.9	0.4	1.17	<1	<0.5	<0.2
REP 03530	QC			12	8	0.14	18	0.001	<1	0.24	0.005	0.16	0.1	0.03	1.0	0.4	1.19	<1	<0.5	<0.2
03531	Rock			11	7	0.08	20	0.003	2	0.28	0.004	0.18	0.2	0.49	1.0	1.3	3.79	<1	0.8	<0.2
REP 03531	QC			12	7	0.09	21	0.004	2	0.30	0.004	0.18	0.2	0.48	1.1	1.5	3.68	<1	1.2	<0.2
03549	Rock			14	5	0.23	13	0.001	<1	0.19	0.004	0.14	0.1	0.05	1.7	<0.1	0.51	<1	<0.5	<0.2
REP 03549	QC			14	5	0.22	12	<0.001	<1	0.20	0.004	0.14	<0.1	0.05	1.8	<0.1	0.50	<1	<0.5	<0.2
R11-KM001	Rock			30	2	0.03	64	<0.001	1	0.46	0.006	0.24	<0.1	0.03	0.7	0.2	0.06	1	<0.5	<0.2
REP R11-KM001	QC			28	2	0.03	63	<0.001	1	0.46	0.006	0.23	<0.1	0.03	0.7	0.2	0.07	1	<0.5	<0.2
R11-KM004	Rock			13	11	0.10	25	0.003	1	0.26	0.028	0.07	13.9	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2
REP R11-KM004	QC			14	12	0.10	27	0.004	1	0.27	0.029	0.08	13.8	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2
Core Reject Duplicates																				
03512	Rock			<1	8	0.04	4	<0.001	<1	0.02	<0.001	0.02	<0.1	<0.01	0.2	<0.1	0.39	<1	<0.5	<0.2
DUP 03512	QC			<1	9	0.04	5	<0.001	<1	0.03	<0.001	0.02	<0.1	<0.01	0.2	<0.1	0.43	<1	<0.5	<0.2
03546	Rock			12	7	0.14	23	0.001	1	0.22	0.004	0.16	0.1	0.08	1.0	<0.1	0.36	<1	<0.5	<0.2
DUP 03546	QC			12	7	0.14	20	0.001	2	0.19	0.004	0.15	<0.1	0.07	1.0	<0.1	0.36	<1	0.6	<0.2
Reference Materials																				
STD DS8	Standard			16	119	0.63	275	0.121	1	1.00	0.109	0.45	3.0	0.18	2.2	5.5	0.16	5	5.8	5.1
STD DS8	Standard			14	108	0.58	264	0.104	1	0.85	0.079	0.39	2.8	0.19	1.9	4.7	0.16	5	5.1	5.1
STD DS8	Standard			14	121	0.61	264	0.116	4	0.91	0.086	0.43	3.0	0.18	2.2	5.3	0.17	5	5.1	5.0
STD DS8	Standard			15	120	0.62	276	0.118	2	0.94	0.089	0.43	3.1	0.21	2.2	5.1	0.16	5	5.1	4.8
STD DS8	Standard			15	118	0.63	283	0.106	2	1.03	0.114	0.45	3.0	0.21	2.0	5.6	0.17	5	5.2	4.8
STD DS8 Expected				14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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

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Client: Brocade Metals Corp.
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 Vancouver BC V6E 4S3 Canada

Project: RUBY
Report Date: October 03, 2011

Page: 2 of 2 **Part** 1

QUALITY CONTROL REPORT

VAN11004367.1

		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank	<0.01	0.3	2.0	3.1	46	<0.1	3.0	4.0	545	1.95	<0.5	<0.5	5.5	56	<0.1	<0.1	<0.1	35	0.41	0.070
G1	Prep Blank	<0.01	0.2	2.2	3.3	48	<0.1	3.3	4.5	596	2.07	<0.5	<0.5	5.7	63	<0.1	<0.1	<0.1	37	0.52	0.076



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Phone (604) 253-3158 Fax (604) 253-1716

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Project: RUBY

Report Date: October 03, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004367.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
	Prep Wash																	
G1	Prep Blank	10	8	0.54	193	0.124	<1	1.00	0.098	0.48	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	11	8	0.59	205	0.126	2	1.07	0.106	0.52	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2



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Submitted By: Bob Lane
Receiving Lab: Canada-Vancouver
Received: August 31, 2011
Report Date: October 03, 2011
Page: 1 of 10

CERTIFICATE OF ANALYSIS

VAN11004368.1

CLIENT JOB INFORMATION

Project: RUBY
Shipment ID: RU-1
P.O. Number
Number of Samples: 252

SAMPLE DISPOSAL

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

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

Invoice To: Brocade Metals Corp.
620 - 1100 Melville St.
Vancouver BC V6E 4S3
Canada

CC: Ken MacDonald

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

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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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Project: RUBY
 Report Date: October 03, 2011

Page: 2 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004368.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
BE000	Rock Pulp	2.4	17.5	1.7	29	0.4	14.7	6.4	244	1.55	2.5	4.2	0.6	21	0.2	0.2	<0.1	35	0.43	0.040	3
BE001	Soil	1.7	34.8	16.3	97	0.8	46.1	13.1	443	3.24	21.6	2.9	12.4	33	0.3	0.7	0.5	22	0.68	0.167	90
BE002	Soil	1.8	67.4	13.5	90	1.4	70.9	19.4	862	3.02	4.2	2.5	9.5	73	0.2	0.6	0.5	21	1.28	0.067	235
BE004	Soil	0.7	17.2	9.6	61	0.3	17.9	7.9	233	2.30	2.7	2.1	5.1	31	0.1	0.3	0.4	18	0.57	0.089	38
BE005	Soil	1.1	22.9	19.9	68	0.3	24.2	12.9	335	2.52	5.0	0.9	7.0	20	0.2	0.4	0.9	23	0.32	0.065	33
BE006	Soil	0.5	16.4	11.2	56	0.2	16.5	8.6	326	2.48	4.5	0.9	4.3	8	0.2	0.3	0.4	16	0.20	0.060	17
BE007	Soil	0.9	15.6	7.4	55	0.4	20.7	7.5	277	2.06	7.3	<0.5	4.4	21	<0.1	0.3	0.2	13	0.49	0.090	38
BE008	Soil	0.5	21.5	7.2	63	1.0	24.1	7.6	348	2.30	4.7	0.8	3.0	37	0.2	0.5	0.2	15	0.56	0.076	48
BE009	Soil	0.6	30.8	8.3	67	1.4	33.6	11.0	353	2.71	9.3	3.8	3.1	45	0.1	0.8	0.2	9	0.98	0.093	52
BE010	Soil	0.6	72.9	4.4	27	0.7	33.9	10.8	720	1.29	0.9	<0.5	0.9	49	0.3	0.5	0.1	8	1.19	0.091	148
BE011	Soil	0.4	12.9	7.9	53	0.2	18.5	8.3	253	2.32	9.2	1.0	4.7	16	0.1	0.5	0.2	12	0.23	0.039	22
BE003M	Soil	0.9	20.0	7.9	60	0.4	19.9	7.9	444	2.26	2.4	<0.5	2.7	41	0.2	0.2	0.3	16	0.95	0.078	43
BE004M	Soil	0.8	21.3	8.3	60	0.5	19.7	7.7	304	2.26	2.9	2.3	2.7	39	0.2	0.3	0.3	16	0.88	0.080	38
BE005M	Soil	1.2	24.5	19.9	78	0.6	32.1	16.7	410	3.10	5.6	0.8	5.4	21	0.2	0.3	0.8	24	0.37	0.054	31
BE006M	Soil	0.7	18.5	11.9	64	0.3	20.3	9.7	394	2.54	4.3	1.4	4.3	12	0.3	0.3	0.4	17	0.23	0.057	21
BE007M	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.
BE008M	Soil	0.5	21.4	7.6	63	0.9	25.4	7.8	339	2.18	4.7	<0.5	2.7	41	0.3	0.5	0.2	14	0.58	0.069	49
BE009M	Soil	0.5	27.7	6.2	56	1.0	28.9	10.1	502	1.88	5.3	2.3	2.5	58	0.3	0.8	0.1	6	1.27	0.091	50
BE010M	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.
BE011M	Soil	<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	5	<0.01	<0.001	<1
BE012M	Rock Pulp	52.7	7505	11.0	57	2.9	23.7	7.8	338	2.73	9.3	555.6	0.6	26	0.7	4.5	0.8	42	0.54	0.049	3
BK000	Rock Pulp	2.5	19.0	1.9	31	0.4	15.0	6.9	251	1.64	2.6	1.9	0.6	21	0.2	0.2	<0.1	36	0.48	0.045	3
BK001	Soil	0.6	23.6	5.1	52	<0.1	25.8	9.0	100	2.77	3.2	2.5	6.8	2	<0.1	1.1	0.2	14	0.01	0.029	16
BK002	Soil	0.9	35.6	9.4	58	<0.1	33.0	12.1	97	3.29	7.2	<0.5	11.8	11	<0.1	2.4	0.3	18	<0.01	0.032	28
BK003	Soil	0.7	15.2	6.7	43	0.1	18.9	6.7	66	2.83	28.6	2.2	7.2	5	<0.1	1.1	0.2	22	0.03	0.050	18
BK004	Soil	0.7	22.4	5.6	49	0.2	23.4	7.8	80	2.68	15.6	17.1	8.3	3	<0.1	1.2	0.2	14	0.02	0.032	17
BK005	Soil	0.7	22.0	7.1	52	0.5	25.5	9.1	65	3.02	22.4	2.7	8.8	5	<0.1	1.2	0.3	18	0.02	0.042	19
BK006	Soil	0.8	23.3	8.1	56	0.1	28.8	9.8	86	3.10	36.6	3.2	9.2	3	<0.1	2.4	0.2	15	0.01	0.051	19
BK007	Soil	0.7	30.1	8.1	60	<0.1	37.0	11.4	102	3.21	16.3	7.9	10.7	3	<0.1	2.1	0.2	15	<0.01	0.026	22
BK008	Soil	0.7	23.3	6.0	56	<0.1	31.1	9.9	69	3.14	7.8	0.6	9.4	3	<0.1	1.2	0.2	18	<0.01	0.042	21

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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: **Brocade Metals Corp.**
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 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 2 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11004368.1

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	
BE000	Rock Pulp	21	0.39	69	0.045	3	0.77	0.046	0.06	11.1	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
BE001	Soil	27	0.73	54	0.079	2	1.67	0.008	0.50	<0.1	0.04	4.0	0.3	<0.05	4	2.2	<0.2
BE002	Soil	28	0.69	80	0.061	2	1.70	0.008	0.41	0.1	0.06	3.7	0.3	<0.05	5	4.4	<0.2
BE004	Soil	20	0.60	55	0.068	1	1.22	0.005	0.31	<0.1	0.02	2.2	0.2	<0.05	4	0.5	<0.2
BE005	Soil	21	0.67	81	0.090	<1	1.36	0.006	0.44	<0.1	0.02	2.4	0.3	<0.05	4	<0.5	<0.2
BE006	Soil	12	0.42	54	0.036	<1	0.93	0.002	0.19	0.1	<0.01	1.0	0.2	<0.05	3	<0.5	<0.2
BE007	Soil	14	0.45	39	0.034	1	1.04	0.003	0.24	<0.1	0.02	1.4	0.2	<0.05	3	0.7	<0.2
BE008	Soil	16	0.52	63	0.027	2	1.01	0.003	0.28	<0.1	0.03	1.4	0.2	<0.05	3	<0.5	<0.2
BE009	Soil	15	0.52	43	0.013	3	0.85	0.004	0.19	<0.1	0.05	2.0	0.2	0.08	2	3.3	<0.2
BE010	Soil	17	0.39	43	0.012	3	0.76	0.004	0.11	<0.1	0.06	1.0	0.3	0.12	2	5.3	<0.2
BE011	Soil	12	0.40	24	0.023	<1	0.74	0.002	0.13	<0.1	<0.01	1.1	0.1	<0.05	2	<0.5	<0.2
BE003M	Soil	18	0.57	57	0.037	3	1.14	0.005	0.30	<0.1	0.05	1.3	0.2	0.05	3	2.6	<0.2
BE004M	Soil	18	0.58	64	0.037	2	1.24	0.006	0.34	<0.1	0.05	1.4	0.2	0.07	3	2.2	<0.2
BE005M	Soil	22	0.79	99	0.065	1	1.57	0.005	0.51	<0.1	0.03	1.8	0.4	<0.05	5	<0.5	<0.2
BE006M	Soil	13	0.45	60	0.036	<1	1.02	0.003	0.22	<0.1	0.01	1.1	0.2	<0.05	3	0.7	<0.2
BE007M	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.
BE008M	Soil	15	0.56	64	0.030	3	1.04	0.006	0.30	<0.1	0.04	1.5	0.2	0.05	3	<0.5	<0.2
BE009M	Soil	13	0.47	42	0.016	7	0.73	0.008	0.20	<0.1	0.06	1.6	0.2	0.11	2	5.4	<0.2
BE010M	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.
BE011M	Soil	<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
BE012M	Rock Pulp	32	0.64	76	0.060	2	1.25	0.073	0.11	2.1	0.05	3.0	<0.1	0.57	4	1.4	0.2
BK000	Rock Pulp	21	0.45	68	0.050	2	0.85	0.050	0.06	11.8	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
BK001	Soil	12	0.33	23	0.010	<1	0.80	0.001	0.10	<0.1	0.01	1.6	0.2	<0.05	2	<0.5	<0.2
BK002	Soil	17	0.60	36	0.025	<1	1.18	0.003	0.26	<0.1	<0.01	1.8	0.3	<0.05	3	<0.5	<0.2
BK003	Soil	13	0.27	27	0.011	<1	0.87	0.002	0.08	<0.1	0.03	1.2	0.1	<0.05	3	<0.5	<0.2
BK004	Soil	14	0.43	24	0.010	<1	1.02	0.002	0.09	<0.1	0.02	1.5	0.1	<0.05	2	<0.5	<0.2
BK005	Soil	19	0.51	35	0.018	<1	1.33	0.002	0.14	<0.1	0.03	1.9	0.2	<0.05	3	<0.5	<0.2
BK006	Soil	14	0.38	24	0.008	<1	0.99	0.002	0.11	<0.1	0.01	1.8	0.1	<0.05	2	<0.5	<0.2
BK007	Soil	16	0.49	26	0.015	<1	1.02	0.002	0.14	<0.1	0.01	2.0	0.2	<0.05	3	<0.5	<0.2
BK008	Soil	18	0.56	32	0.020	<1	1.22	0.002	0.17	<0.1	<0.01	2.2	0.2	<0.05	4	<0.5	<0.2

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Project: RUBY
 Report Date: October 03, 2011

Page: 3 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004368.1

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	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
BK009	Soil		0.3	7.8	5.5	30	0.4	11.4	4.5	26	1.69	5.2	2.6	5.6	3	<0.1	0.4	0.2	14	0.02	0.034	19
BK010	Soil		1.0	15.0	12.1	36	0.4	28.8	11.3	289	2.47	6.1	1.4	9.3	10	<0.1	1.1	0.3	12	0.18	0.033	36
BK011	Soil		0.8	20.9	6.1	57	0.3	28.5	9.5	65	3.22	6.1	2.2	7.7	6	<0.1	1.2	0.2	18	0.08	0.045	21
BK012	Soil		1.3	25.1	9.8	61	0.5	26.1	8.7	61	3.78	6.8	0.8	9.8	6	<0.1	0.8	0.5	23	0.04	0.100	26
BK013	Soil		0.5	15.9	6.8	51	0.4	27.1	9.4	86	2.61	9.9	<0.5	7.4	4	<0.1	1.2	0.2	18	0.03	0.036	18
BK014	Soil		0.5	18.1	9.3	66	0.2	35.5	11.1	119	3.07	8.6	7.7	10.7	3	<0.1	2.0	0.3	7	0.01	0.059	24
BK015	Soil		0.7	30.7	7.9	67	<0.1	39.0	13.3	216	3.25	11.7	2.2	11.3	4	<0.1	2.0	0.4	16	0.03	0.025	38
BK016	Soil		0.9	34.4	9.9	82	0.1	51.7	15.4	184	4.22	4.7	1.3	16.9	6	<0.1	2.5	0.3	18	0.02	0.025	44
BK017	Soil		1.0	13.6	8.2	29	0.8	9.1	3.2	33	2.51	2.5	0.6	6.8	6	<0.1	0.4	0.3	20	0.01	0.035	32
BK018	Soil		0.8	24.0	9.2	67	0.4	35.1	11.7	159	3.66	25.1	1.3	12.4	4	<0.1	2.9	0.3	17	0.01	0.037	35
BK019	Soil		0.6	35.4	12.1	63	0.1	34.5	13.3	117	3.34	1.5	<0.5	11.1	4	<0.1	3.8	0.3	24	0.04	0.023	33
BK020	Soil		0.6	18.2	9.7	58	0.4	27.3	10.4	145	3.33	37.1	1.7	6.0	4	<0.1	4.1	0.3	15	0.03	0.059	29
BK021	Soil		0.6	13.6	6.6	43	0.5	18.8	6.5	91	2.91	11.6	1.4	8.0	4	<0.1	1.5	0.2	18	0.02	0.030	27
BK022	Soil		0.7	16.0	8.0	52	0.4	22.2	8.1	107	3.35	12.0	1.0	9.7	4	<0.1	2.0	0.3	19	0.02	0.073	30
BK023	Soil		0.7	16.6	7.3	52	0.4	20.9	7.4	85	3.19	15.6	1.5	10.0	4	<0.1	1.6	0.3	18	0.02	0.057	31
BK024	Soil		0.5	11.8	7.7	50	0.8	17.0	5.9	85	2.74	7.3	0.5	9.9	4	<0.1	1.3	0.3	17	0.02	0.067	33
BK025	Soil		0.7	19.1	10.4	59	1.1	24.4	8.6	101	3.13	12.3	2.6	10.7	4	<0.1	1.9	0.4	17	0.01	0.073	33
BK026	Soil		0.7	22.0	8.7	64	0.5	28.6	9.5	134	3.05	14.5	1.1	11.2	4	<0.1	2.3	0.3	15	0.02	0.048	35
BK027	Soil		1.1	43.8	11.9	107	0.2	67.2	20.4	235	5.22	7.5	0.8	17.4	4	<0.1	2.4	0.3	14	<0.01	0.042	45
BK028	Soil		0.9	28.6	9.8	74	0.4	39.0	13.2	152	3.67	11.5	0.6	13.2	4	<0.1	2.0	0.3	17	0.01	0.063	36
BK029	Soil		1.5	58.5	13.9	79	0.4	36.6	11.1	173	5.49	14.6	0.6	18.3	21	<0.1	2.3	0.5	19	0.02	0.099	49
BK030	Soil		1.4	46.7	15.1	97	0.1	58.3	24.1	741	4.82	29.6	3.6	16.4	11	<0.1	4.9	0.5	17	0.03	0.043	55
BK031	Soil		1.0	49.6	10.9	94	0.2	55.1	18.3	217	5.35	97.8	<0.5	22.9	7	<0.1	2.1	0.3	16	0.03	0.061	51
BK032	Soil		1.0	30.7	13.6	69	0.2	32.5	11.5	158	4.09	32.2	1.4	14.4	8	<0.1	2.4	0.4	23	0.02	0.067	36
BK033	Soil		1.0	41.1	11.6	88	<0.1	46.3	16.4	221	4.01	17.7	2.6	17.2	7	<0.1	1.8	0.3	19	0.01	0.036	51
BK034	Soil		2.5	36.8	10.9	65	0.2	19.2	7.8	120	4.82	1.6	<0.5	18.0	11	<0.1	0.4	0.4	27	0.01	0.044	38
BK035	Soil		0.8	15.8	11.6	42	0.7	19.6	7.2	94	3.12	11.8	0.8	9.1	6	<0.1	1.6	0.3	21	0.03	0.041	28
BK036	Soil		1.3	33.2	13.1	58	0.3	24.0	7.7	126	3.82	4.8	1.6	12.9	12	<0.1	0.5	0.4	23	0.03	0.036	36
BK037	Soil		0.8	22.5	9.9	54	0.4	29.1	9.7	107	3.10	8.6	2.4	11.1	6	<0.1	1.2	0.3	18	0.03	0.025	30
BK038	Soil		1.9	48.1	12.9	72	0.2	27.2	8.7	116	5.08	3.9	0.7	17.4	18	<0.1	0.6	0.4	22	0.02	0.059	53

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 3 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11004368.1

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	
BK009	Soil	12	0.26	29	0.006	<1	1.11	0.002	0.07	<0.1	0.03	1.3	0.1	<0.05	3	<0.5	<0.2
BK010	Soil	11	0.26	32	0.004	<1	0.87	0.002	0.10	<0.1	0.02	2.3	0.2	<0.05	2	<0.5	<0.2
BK011	Soil	17	0.57	26	0.024	<1	1.11	0.002	0.14	<0.1	0.02	1.8	0.2	<0.05	4	<0.5	<0.2
BK012	Soil	19	0.57	39	0.019	<1	1.38	0.003	0.19	<0.1	0.03	2.0	0.2	<0.05	4	<0.5	<0.2
BK013	Soil	14	0.38	21	0.018	<1	0.84	0.002	0.14	<0.1	0.02	1.6	0.2	<0.05	3	<0.5	<0.2
BK014	Soil	7	0.18	15	0.003	<1	0.61	0.001	0.07	<0.1	0.02	1.6	0.1	<0.05	2	<0.5	<0.2
BK015	Soil	18	0.57	26	0.023	1	1.14	0.002	0.16	<0.1	<0.01	1.9	0.2	<0.05	3	<0.5	<0.2
BK016	Soil	20	0.66	22	0.014	1	1.31	0.002	0.14	<0.1	<0.01	2.4	0.2	<0.05	4	<0.5	<0.2
BK017	Soil	17	0.36	56	0.035	<1	0.94	0.004	0.18	<0.1	0.01	1.0	0.2	<0.05	4	<0.5	<0.2
BK018	Soil	18	0.48	23	0.014	1	1.21	0.002	0.14	<0.1	0.02	1.9	0.2	<0.05	3	<0.5	<0.2
BK019	Soil	28	0.57	34	0.030	1	1.12	0.004	0.21	<0.1	<0.01	2.3	0.2	<0.05	4	<0.5	<0.2
BK020	Soil	13	0.33	14	0.012	1	0.80	0.002	0.10	<0.1	<0.01	1.4	0.2	<0.05	3	<0.5	<0.2
BK021	Soil	17	0.39	24	0.014	<1	1.09	0.002	0.13	<0.1	0.01	1.2	0.2	<0.05	3	<0.5	<0.2
BK022	Soil	15	0.31	23	0.012	<1	1.01	0.002	0.10	<0.1	0.01	1.5	0.2	<0.05	3	<0.5	<0.2
BK023	Soil	20	0.46	28	0.014	<1	1.25	0.003	0.12	<0.1	0.03	1.5	0.2	<0.05	3	<0.5	<0.2
BK024	Soil	14	0.29	25	0.009	<1	1.08	0.002	0.09	<0.1	0.02	1.3	0.2	<0.05	3	<0.5	<0.2
BK025	Soil	18	0.41	34	0.011	<1	1.30	0.002	0.13	<0.1	0.03	2.0	0.2	<0.05	3	<0.5	<0.2
BK026	Soil	13	0.31	24	0.011	<1	0.85	0.002	0.10	<0.1	0.01	1.7	0.2	<0.05	3	<0.5	<0.2
BK027	Soil	14	0.38	20	0.004	<1	0.95	0.002	0.10	<0.1	<0.01	2.9	0.2	<0.05	3	<0.5	<0.2
BK028	Soil	16	0.44	28	0.012	<1	1.14	0.002	0.15	<0.1	0.01	1.8	0.2	<0.05	3	<0.5	<0.2
BK029	Soil	20	0.52	61	0.034	<1	1.25	0.004	0.39	<0.1	<0.01	2.1	0.4	0.18	4	<0.5	<0.2
BK030	Soil	22	0.56	57	0.027	<1	1.20	0.004	0.28	<0.1	<0.01	2.8	0.4	<0.05	4	<0.5	<0.2
BK031	Soil	19	0.63	23	0.007	<1	1.45	0.004	0.14	<0.1	<0.01	3.0	0.3	<0.05	4	<0.5	<0.2
BK032	Soil	21	0.50	39	0.015	<1	1.41	0.003	0.17	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2
BK033	Soil	20	0.73	41	0.035	<1	1.36	0.004	0.25	<0.1	<0.01	2.8	0.4	<0.05	4	<0.5	<0.2
BK034	Soil	29	0.82	55	0.053	<1	1.81	0.009	0.45	<0.1	<0.01	2.2	0.4	0.26	5	<0.5	<0.2
BK035	Soil	16	0.32	24	0.012	<1	1.10	0.003	0.11	<0.1	0.02	1.3	0.2	<0.05	3	<0.5	<0.2
BK036	Soil	24	0.72	43	0.032	<1	1.55	0.004	0.26	<0.1	<0.01	2.0	0.3	0.08	4	<0.5	<0.2
BK037	Soil	19	0.51	26	0.025	<1	1.27	0.003	0.18	<0.1	0.02	1.9	0.2	<0.05	3	<0.5	<0.2
BK038	Soil	23	0.65	56	0.035	<1	1.37	0.005	0.34	<0.1	<0.01	2.7	0.4	0.17	4	<0.5	<0.2

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 4 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004368.1

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
BK039	Soil			0.9	22.3	13.2	49	0.5	20.9	7.3	122	3.61	8.2	1.0	9.7	6	<0.1	1.5	0.4	19	0.02	0.027	32
BK040	Soil			1.0	28.1	10.3	60	0.1	24.6	8.6	126	3.55	6.5	1.6	13.0	6	<0.1	1.3	0.3	20	0.02	0.029	36
BK041	Soil			0.9	26.0	11.9	63	0.3	22.1	8.6	132	4.07	19.6	2.5	10.9	6	<0.1	1.8	0.3	21	0.04	0.025	40
BK042	Soil			1.2	24.6	16.3	44	1.2	14.8	5.1	84	3.42	6.9	2.0	10.8	6	<0.1	1.0	0.4	22	<0.01	0.029	32
BK043	Soil			0.9	23.0	38.9	81	0.4	26.0	10.5	210	3.50	7.3	9.1	8.2	11	0.3	1.2	0.5	17	0.16	0.039	41
BK044	Soil			0.9	25.0	39.8	87	0.6	27.3	10.6	238	3.62	7.4	1.6	7.4	13	0.4	1.1	0.5	18	0.22	0.051	38
BK045	Soil			0.6	17.4	15.7	46	1.2	27.9	8.3	186	2.28	13.8	4.5	5.4	13	0.2	1.9	0.6	9	0.27	0.054	34
BK046	Soil			0.7	17.8	17.3	49	1.2	27.3	9.1	207	2.61	16.2	81.8	6.2	12	0.2	2.2	0.6	10	0.22	0.048	35
BK047	Soil			1.0	28.6	17.6	64	0.2	31.6	10.7	150	4.37	19.7	1.3	12.0	5	<0.1	3.4	0.5	17	0.02	0.039	32
BK048	Soil			2.2	35.5	17.0	76	0.8	32.5	10.4	157	4.82	7.5	0.9	14.3	6	<0.1	1.0	0.5	20	0.01	0.047	36
BK049	Soil			0.8	22.6	14.5	61	1.0	26.8	9.1	138	3.46	14.6	2.3	10.9	5	<0.1	2.5	0.5	17	0.02	0.029	35
BK050	Soil			1.0	32.4	19.6	69	0.4	34.1	13.1	263	3.83	25.8	19.5	11.8	7	<0.1	2.3	0.6	18	0.10	0.030	43
BK051	Soil			0.9	20.0	12.8	52	0.3	21.7	7.5	104	3.16	22.2	1.8	6.3	7	<0.1	2.0	0.5	18	0.09	0.026	24
BK052	Soil			0.6	23.6	68.0	78	2.9	25.7	9.3	124	3.19	155.4	5.5	8.6	5	0.2	5.8	3.6	9	<0.01	0.033	21
BK053	Soil			0.6	24.0	39.8	57	1.5	22.4	8.1	107	3.12	58.5	3.2	8.9	5	<0.1	2.7	2.1	12	<0.01	0.029	23
BK054	Soil			0.7	21.5	15.3	59	0.7	29.7	8.7	165	2.89	29.1	5.1	5.2	9	<0.1	1.5	0.5	11	0.12	0.034	24
BK055	Soil			0.8	23.1	17.0	66	0.9	32.9	8.7	205	3.08	31.4	7.9	5.0	12	0.1	1.4	0.5	11	0.18	0.045	26
BK056	Soil			0.8	31.3	14.4	78	0.2	37.3	14.2	205	3.92	43.9	2.1	9.6	3	<0.1	10.1	0.5	9	0.02	0.038	23
BK057	Soil			0.5	12.0	14.0	37	0.4	13.0	4.9	89	2.46	6.4	2.8	6.7	5	<0.1	0.7	0.6	17	0.01	0.037	22
BK058	Soil			0.4	10.9	7.4	50	0.2	15.5	6.4	145	2.57	4.6	<0.5	5.6	6	<0.1	0.6	0.3	16	0.04	0.048	18
BK059	Soil			0.9	26.6	22.4	70	0.4	29.4	11.4	144	3.75	22.1	<0.5	9.2	4	<0.1	3.4	1.1	16	0.01	0.049	22
BK060	Soil			0.8	23.0	11.9	60	0.4	28.6	11.0	203	3.58	12.3	<0.5	8.1	7	0.1	1.4	0.6	18	0.05	0.038	19
BK061	Soil			1.1	23.9	139.5	60	9.1	25.5	11.0	276	3.50	14.4	2.8	6.4	10	0.2	1.7	19.4	17	0.08	0.053	20
BK062	Soil			1.1	22.6	14.1	65	0.3	30.7	10.8	197	3.53	15.0	0.9	10.7	5	0.2	2.1	0.7	17	0.02	0.040	30
BK063	Soil			0.8	17.7	11.1	57	0.7	20.7	8.0	162	3.01	16.6	<0.5	8.8	6	0.1	3.8	0.5	17	0.03	0.037	28
BK064	Soil			0.5	19.4	12.1	63	0.7	24.7	8.4	143	3.27	14.2	<0.5	10.0	7	0.2	2.4	0.5	19	0.04	0.075	30
BK065	Soil			0.9	27.9	15.0	81	0.6	35.5	12.1	190	3.91	20.1	8.9	11.7	5	<0.1	3.0	0.7	15	0.01	0.039	29
BK066	Soil			0.5	20.5	11.0	85	0.2	27.4	11.6	180	3.56	7.2	<0.5	7.1	4	0.2	0.8	0.5	21	0.02	0.051	19
BK067	Soil			0.9	27.5	16.6	65	1.8	31.0	11.7	200	3.64	16.3	1.1	9.6	4	<0.1	1.6	0.6	16	0.01	0.034	25
BK068	Soil			0.7	13.4	8.4	44	0.8	18.8	7.5	95	3.13	6.3	<0.5	6.6	4	<0.1	0.6	0.4	19	0.02	0.035	23

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

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Page: 4 of 10 Part 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
		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	
BK039	Soil	21	0.50	27	0.021	<1	1.24	0.003	0.17	<0.1	0.02	1.7	0.3	<0.05	4	<0.5	<0.2
BK040	Soil	23	0.67	31	0.024	<1	1.41	0.003	0.20	<0.1	<0.01	2.0	0.3	<0.05	4	<0.5	<0.2
BK041	Soil	23	0.64	30	0.024	<1	1.37	0.003	0.21	<0.1	<0.01	2.0	0.3	<0.05	4	<0.5	<0.2
BK042	Soil	21	0.53	32	0.015	<1	1.47	0.003	0.18	<0.1	0.03	1.6	0.3	<0.05	5	<0.5	<0.2
BK043	Soil	18	0.66	32	0.025	<1	1.18	0.003	0.18	<0.1	0.01	1.8	0.3	<0.05	4	<0.5	<0.2
BK044	Soil	20	0.77	37	0.019	<1	1.35	0.003	0.20	<0.1	0.02	2.0	0.3	<0.05	4	<0.5	<0.2
BK045	Soil	9	0.30	26	0.007	<1	0.62	0.003	0.10	<0.1	0.02	1.3	0.1	0.06	2	0.8	<0.2
BK046	Soil	10	0.29	25	0.007	<1	0.65	0.002	0.09	<0.1	0.02	1.4	0.2	<0.05	2	0.7	<0.2
BK047	Soil	16	0.36	20	0.011	<1	1.03	0.002	0.11	<0.1	0.02	1.7	0.2	<0.05	3	<0.5	<0.2
BK048	Soil	20	0.58	29	0.012	<1	1.47	0.002	0.16	<0.1	0.01	1.9	0.2	<0.05	4	<0.5	<0.2
BK049	Soil	16	0.43	23	0.013	<1	1.08	0.003	0.14	<0.1	0.01	1.6	0.2	<0.05	3	<0.5	<0.2
BK050	Soil	17	0.56	26	0.021	<1	1.07	0.003	0.18	<0.1	0.02	2.3	0.3	<0.05	3	<0.5	<0.2
BK051	Soil	15	0.47	27	0.014	2	0.92	0.003	0.14	<0.1	0.02	1.5	0.2	<0.05	3	<0.5	<0.2
BK052	Soil	10	0.22	17	0.008	2	0.66	0.002	0.10	<0.1	0.03	1.4	0.2	<0.05	2	<0.5	0.3
BK053	Soil	11	0.28	22	0.007	1	0.90	0.002	0.09	0.1	0.02	1.4	0.2	<0.05	3	<0.5	<0.2
BK054	Soil	10	0.30	24	0.008	2	0.67	0.002	0.10	<0.1	0.02	1.4	0.2	<0.05	2	<0.5	<0.2
BK055	Soil	11	0.36	29	0.009	1	0.78	0.002	0.12	0.1	0.02	1.5	0.2	<0.05	2	0.7	<0.2
BK056	Soil	9	0.17	20	0.003	1	0.62	0.002	0.08	<0.1	0.02	1.8	<0.1	<0.05	2	<0.5	<0.2
BK057	Soil	13	0.28	31	0.015	<1	0.96	0.002	0.16	<0.1	0.02	1.3	0.2	<0.05	4	<0.5	<0.2
BK058	Soil	12	0.27	28	0.009	<1	0.87	0.002	0.12	0.2	0.02	1.2	0.1	<0.05	3	<0.5	<0.2
BK059	Soil	13	0.30	23	0.011	<1	0.80	0.002	0.11	0.1	0.01	1.5	0.2	<0.05	3	<0.5	<0.2
BK060	Soil	15	0.37	18	0.014	<1	0.92	0.002	0.12	0.4	0.01	1.6	0.1	<0.05	4	<0.5	<0.2
BK061	Soil	14	0.40	50	0.023	<1	0.91	0.003	0.20	4.7	0.03	1.4	0.3	<0.05	3	<0.5	1.6
BK062	Soil	17	0.47	28	0.026	<1	1.04	0.002	0.21	0.3	0.05	1.8	0.3	<0.05	4	1.4	<0.2
BK063	Soil	10	0.19	23	0.015	<1	0.60	0.002	0.11	0.2	0.03	1.1	0.2	<0.05	4	0.9	<0.2
BK064	Soil	14	0.28	34	0.009	<1	0.90	0.002	0.12	0.2	0.04	1.6	0.2	<0.05	4	<0.5	<0.2
BK065	Soil	15	0.38	28	0.007	<1	0.95	0.002	0.14	0.3	0.02	1.9	0.2	<0.05	3	<0.5	<0.2
BK066	Soil	20	0.52	35	0.022	<1	1.41	0.003	0.25	<0.1	0.02	2.2	0.3	<0.05	4	<0.5	<0.2
BK067	Soil	17	0.51	35	0.017	<1	1.32	0.002	0.23	0.2	0.04	2.2	0.3	<0.05	3	<0.5	<0.2
BK068	Soil	17	0.43	30	0.019	<1	1.19	0.002	0.23	0.2	0.02	1.6	0.3	<0.05	5	<0.5	<0.2

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 5 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004368.1

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	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
BK069	Soil		0.9	26.0	17.5	69	0.3	29.2	10.9	158	3.42	14.1	1.0	8.9	4	<0.1	1.8	0.8	15	0.01	0.028	22
BK070	Soil		0.9	23.6	14.1	79	0.5	27.1	9.9	152	3.62	24.7	1.6	8.0	4	0.2	2.1	0.5	16	0.02	0.039	21
BK071	Soil		1.6	32.9	17.8	136	0.3	34.7	12.6	205	4.30	23.5	1.5	9.6	6	0.2	1.9	0.7	16	0.02	0.032	23
BK072	Soil		1.0	39.7	23.0	88	1.3	46.9	11.5	414	3.22	13.3	4.6	3.9	43	0.6	2.0	0.6	10	0.71	0.069	19
BK073	Soil		1.1	29.6	17.1	72	0.6	33.2	11.7	207	3.72	20.3	2.8	8.9	6	<0.1	1.7	0.6	12	0.05	0.020	24
BK074	Soil		1.5	23.1	11.5	86	1.2	23.3	8.2	140	3.47	27.4	4.3	7.2	8	0.1	1.1	0.3	22	0.04	0.044	18
BK075	Soil		4.3	41.9	35.3	103	1.9	24.4	11.1	200	5.22	135.9	14.2	8.4	30	0.1	4.4	0.7	13	0.02	0.080	18
BK076	Soil		1.7	28.7	13.1	76	0.6	25.4	9.7	126	3.62	56.8	5.7	8.3	8	<0.1	2.7	0.6	11	<0.01	0.039	18
BK077	Soil		1.6	33.9	30.7	82	0.4	26.8	10.7	176	3.36	32.2	<0.5	7.7	7	0.1	2.1	0.9	12	0.02	0.055	16
BK078	Soil		1.7	36.2	15.8	81	0.6	25.1	9.8	135	3.20	26.6	1.8	8.1	7	0.2	2.0	0.5	11	0.01	0.053	15
BK079	Soil		0.9	37.0	14.6	96	1.4	31.1	11.5	180	3.83	40.4	2.5	9.8	5	0.1	3.0	0.5	12	0.01	0.041	24
BK080	Soil		1.6	33.1	16.0	76	1.1	22.5	8.5	122	2.97	29.9	3.0	7.9	3	<0.1	2.1	0.7	14	<0.01	0.031	23
BK081	Soil		0.8	34.5	27.5	95	1.2	37.5	13.1	543	3.58	43.6	16.8	10.0	13	0.3	3.2	0.6	10	0.09	0.038	24
BK082	Soil		0.8	49.0	18.2	126	0.4	63.0	23.0	1033	5.13	28.6	3.7	12.8	10	0.4	1.9	0.4	18	0.18	0.082	34
BK083	Soil		0.7	40.1	20.9	124	0.4	61.5	19.5	1131	4.40	33.3	6.3	9.9	19	0.5	1.9	0.4	17	0.26	0.063	31
BK084	Soil		0.7	41.4	54.5	110	0.5	46.9	18.4	585	4.84	47.0	4.1	10.3	9	0.2	2.3	0.8	15	0.06	0.044	24
BK085	Soil		0.6	38.1	23.5	121	0.4	49.2	18.3	423	4.69	34.9	7.6	11.7	7	0.2	2.4	0.5	14	0.10	0.057	29
BK086	Soil		0.8	38.3	21.0	98	0.3	37.6	16.0	336	3.81	15.2	1.1	10.7	9	0.2	1.5	0.6	13	0.04	0.044	25
BK087	Soil		0.9	35.2	20.4	91	0.2	35.3	14.6	307	3.45	12.6	2.5	10.1	8	0.1	1.4	0.5	13	0.04	0.036	21
BK088	Soil		0.9	43.3	17.2	104	0.2	62.3	23.9	463	4.62	21.5	2.9	18.9	9	0.2	1.5	0.5	18	0.10	0.069	41
BK089	Soil		0.8	33.0	14.3	78	0.2	46.8	14.7	327	3.46	7.4	2.5	7.9	14	0.2	1.3	0.5	14	0.26	0.054	39
BK090	Soil		0.8	36.0	15.1	79	0.2	52.6	16.9	364	3.80	8.2	15.8	9.4	11	0.2	1.4	0.5	15	0.19	0.048	39
BK091	Soil		1.0	43.6	11.1	89	0.2	49.7	18.7	284	4.74	3.6	3.1	15.2	9	<0.1	1.6	0.5	14	0.12	0.037	39
BK092	Soil		0.8	44.0	12.5	104	0.2	68.4	21.9	218	4.18	5.2	2.6	14.9	16	0.1	2.1	0.5	11	0.21	0.049	34
BK093	Soil		0.9	47.4	13.3	107	0.2	69.3	21.7	232	4.52	5.8	4.3	15.1	17	0.1	2.1	0.5	12	0.22	0.052	33
BK094	Soil		1.2	38.8	17.8	90	0.4	46.7	16.8	331	4.28	11.0	4.5	11.2	17	0.1	1.8	0.4	14	0.22	0.053	44
BK095	Soil		0.5	29.6	10.1	85	0.3	42.7	12.1	224	4.43	7.4	<0.5	9.7	5	<0.1	0.9	0.5	20	<0.01	0.042	14
BK096	Soil		0.5	36.9	22.2	106	0.3	49.1	17.7	286	6.47	13.8	<0.5	9.2	4	0.1	1.5	0.3	15	<0.01	0.046	25
BK097	Soil		0.8	23.1	14.8	72	0.6	25.4	10.6	200	4.14	25.8	9.7	11.0	8	<0.1	5.6	0.3	17	<0.01	0.040	29
BK098	Soil		1.1	51.1	19.6	74	1.7	82.5	11.6	525	3.11	21.6	15.9	4.6	49	1.0	3.0	0.4	9	0.73	0.109	58

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 5 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11004368.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	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	
BK069	Soil			15	0.45	28	0.013	1	1.10	0.002	0.17	0.3	0.02	2.0	0.2	<0.05	3	<0.5	<0.2
BK070	Soil			13	0.31	29	0.009	<1	0.95	0.003	0.15	0.2	0.02	1.6	0.2	<0.05	3	<0.5	<0.2
BK071	Soil			14	0.37	22	0.009	<1	0.92	0.003	0.13	<0.1	0.02	2.1	0.3	<0.05	3	0.5	<0.2
BK072	Soil			11	0.43	33	0.006	3	0.78	0.005	0.25	<0.1	0.05	1.6	0.2	0.10	2	1.9	<0.2
BK073	Soil			12	0.40	38	0.004	1	0.99	0.003	0.10	0.3	<0.01	2.0	0.2	<0.05	3	<0.5	<0.2
BK074	Soil			14	0.26	48	0.005	<1	1.04	0.003	0.10	0.2	0.02	1.4	0.2	<0.05	4	<0.5	<0.2
BK075	Soil			10	0.23	199	0.004	<1	1.08	0.007	0.27	0.2	0.05	1.8	0.6	0.36	3	0.6	<0.2
BK076	Soil			12	0.25	41	0.005	<1	0.97	0.002	0.12	<0.1	0.04	1.5	0.4	0.05	2	0.6	<0.2
BK077	Soil			9	0.19	30	0.005	<1	0.68	0.002	0.09	0.1	0.02	1.7	0.2	<0.05	2	<0.5	<0.2
BK078	Soil			10	0.20	55	0.004	<1	0.91	0.003	0.13	0.1	0.05	1.6	0.3	0.08	2	<0.5	<0.2
BK079	Soil			12	0.25	32	0.004	<1	0.97	0.002	0.11	<0.1	0.05	1.6	0.3	<0.05	3	<0.5	<0.2
BK080	Soil			8	0.15	27	0.005	<1	0.73	0.002	0.08	<0.1	0.03	1.3	0.2	<0.05	2	<0.5	<0.2
BK081	Soil			8	0.23	36	0.004	<1	0.60	0.003	0.10	<0.1	0.02	1.8	0.4	<0.05	2	0.5	<0.2
BK082	Soil			17	0.59	36	0.020	<1	1.01	0.003	0.18	<0.1	0.02	3.3	0.3	<0.05	3	<0.5	<0.2
BK083	Soil			16	0.56	50	0.018	3	0.96	0.004	0.24	<0.1	0.02	3.1	0.3	<0.05	3	1.7	<0.2
BK084	Soil			15	0.46	40	0.013	<1	0.88	0.004	0.18	<0.1	0.02	3.0	0.3	<0.05	3	<0.5	<0.2
BK085	Soil			13	0.43	24	0.013	<1	0.79	0.004	0.15	<0.1	0.03	2.8	0.2	<0.05	2	0.6	<0.2
BK086	Soil			13	0.42	33	0.013	<1	0.82	0.004	0.15	<0.1	<0.01	1.9	0.3	0.05	3	<0.5	<0.2
BK087	Soil			14	0.42	33	0.013	<1	0.81	0.004	0.14	<0.1	0.01	1.5	0.2	<0.05	3	<0.5	<0.2
BK088	Soil			20	0.55	41	0.020	<1	1.06	0.004	0.22	<0.1	0.01	2.3	0.4	<0.05	3	<0.5	<0.2
BK089	Soil			16	0.52	34	0.012	1	0.91	0.003	0.15	<0.1	0.02	1.6	0.2	<0.05	3	<0.5	<0.2
BK090	Soil			16	0.51	33	0.016	1	0.92	0.003	0.11	<0.1	0.02	1.8	0.2	<0.05	3	0.5	<0.2
BK091	Soil			16	0.53	26	0.007	<1	0.95	0.002	0.09	<0.1	0.01	2.4	0.2	<0.05	3	<0.5	<0.2
BK092	Soil			15	0.59	22	0.004	1	0.98	0.002	0.08	<0.1	0.01	1.8	0.1	<0.05	3	<0.5	<0.2
BK093	Soil			16	0.65	24	0.004	<1	1.07	0.002	0.08	<0.1	0.02	2.0	0.1	<0.05	3	<0.5	<0.2
BK094	Soil			14	0.42	33	0.006	<1	0.86	0.002	0.12	<0.1	0.02	2.1	0.2	<0.05	3	0.5	<0.2
BK095	Soil			16	0.36	38	0.013	<1	1.09	0.002	0.19	<0.1	0.03	2.0	0.3	<0.05	4	<0.5	<0.2
BK096	Soil			18	0.47	23	0.006	<1	1.12	0.002	0.13	<0.1	0.03	3.0	0.2	<0.05	3	<0.5	<0.2
BK097	Soil			14	0.30	43	0.008	<1	0.84	0.002	0.15	<0.1	0.03	1.8	0.5	<0.05	3	<0.5	<0.2
BK098	Soil			12	0.39	43	0.005	3	0.77	0.006	0.14	<0.1	0.08	1.6	0.3	0.14	2	2.6	<0.2

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 6 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004368.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
BK099	Soil	0.5	47.0	18.4	107	0.7	48.4	17.9	308	5.72	29.4	1.7	14.8	7	0.2	2.2	0.4	15	0.01	0.038	34
BK100	Soil	0.4	38.5	27.5	132	0.5	40.7	15.4	295	4.55	58.5	5.3	13.0	15	0.2	4.7	0.4	14	0.02	0.041	36
BK101	Soil	0.4	32.8	12.1	113	0.9	54.3	22.0	493	5.61	19.8	<0.5	9.2	7	0.1	1.7	0.4	22	0.02	0.059	24
BK102	Soil	0.4	15.7	16.2	65	0.2	22.1	9.0	189	3.91	12.1	<0.5	8.4	7	<0.1	1.2	0.4	32	0.03	0.033	24
BK103	Soil	0.5	29.4	15.5	70	0.2	24.1	11.4	328	3.88	8.2	1.9	11.1	9	<0.1	1.0	0.6	18	0.03	0.020	29
BK104	Soil	0.5	30.8	11.9	83	0.2	29.8	11.3	221	4.09	21.4	0.8	10.7	4	<0.1	2.5	0.5	19	0.01	0.037	25
BK105	Soil	0.6	31.6	14.4	97	0.3	34.5	14.4	284	4.78	21.5	<0.5	10.6	5	<0.1	3.6	0.5	21	0.02	0.048	29
BK106	Soil	0.6	37.0	17.5	96	0.1	34.9	13.1	359	4.72	13.7	1.4	13.2	6	<0.1	1.8	0.5	24	0.05	0.024	26
BK107	Soil	0.9	28.9	13.8	85	0.2	21.5	10.3	346	5.03	5.7	0.8	10.9	6	<0.1	0.7	0.5	26	0.04	0.040	19
BK108	Soil	0.5	22.7	24.0	75	0.4	31.6	11.9	235	4.01	20.1	3.8	8.1	6	<0.1	1.2	0.5	31	0.03	0.018	24
BK109	Soil	0.7	29.0	12.7	99	0.2	30.9	12.8	264	4.65	9.2	0.8	10.5	5	<0.1	0.9	0.4	32	0.03	0.040	22
BK110	Soil	0.9	30.0	18.0	93	0.2	35.1	13.9	319	4.79	16.1	0.8	10.2	10	0.1	1.0	0.7	29	0.09	0.040	29
BK111	Soil	0.8	28.2	14.4	79	0.2	32.8	12.5	186	4.25	16.5	<0.5	10.6	6	<0.1	2.9	0.5	19	0.04	0.047	29
BK112	Soil	0.7	29.1	17.8	99	0.4	34.3	13.9	292	4.79	9.9	0.7	10.7	4	0.1	1.0	0.8	24	0.03	0.029	24
BK113	Soil	0.8	24.9	16.1	77	0.5	29.5	10.3	162	4.13	18.5	1.8	10.6	6	0.1	2.2	0.5	20	0.03	0.083	26
BK114	Soil	0.5	23.8	17.5	70	0.2	29.3	10.5	179	4.22	21.0	1.5	8.5	5	<0.1	3.6	0.3	30	0.01	0.038	20
BK115	Soil	1.0	23.8	14.1	60	0.3	26.7	9.6	139	4.02	9.4	0.8	10.7	4	<0.1	1.6	0.4	15	<0.01	0.043	27
BK116	Soil	0.7	26.9	12.6	71	0.3	37.9	12.7	266	3.29	4.5	5.2	9.2	17	0.1	1.5	0.5	14	0.28	0.051	42
BK117	Soil	0.9	29.3	13.9	76	0.2	42.6	15.1	304	3.90	5.2	0.8	11.1	13	0.1	1.7	0.6	16	0.20	0.043	40
BK118	Soil	0.8	29.2	13.8	75	0.2	40.7	15.0	327	3.82	5.1	1.1	9.9	14	0.1	1.7	0.4	16	0.22	0.042	40
BK119	Soil	0.8	28.3	12.7	71	0.3	39.8	13.1	278	3.40	4.9	1.2	11.1	16	0.1	1.7	0.4	14	0.26	0.055	47
BK120	Soil	0.8	20.0	8.9	58	0.3	23.1	8.7	113	3.72	11.2	0.6	9.9	4	<0.1	2.4	0.3	16	0.02	0.034	32
BK121	Soil	1.3	35.5	19.7	107	0.4	53.2	20.3	241	4.47	17.4	1.3	16.7	6	0.1	3.3	0.3	11	0.03	0.030	49
BK122	Soil	1.3	40.4	13.1	95	0.4	43.4	14.2	164	4.99	16.4	<0.5	16.3	6	<0.1	1.0	0.3	19	<0.01	0.053	34
BK123	Soil	0.8	28.4	8.6	82	0.1	38.2	14.3	204	4.70	11.1	1.0	8.0	4	<0.1	1.3	0.3	23	<0.01	0.042	24
BK124	Soil	1.1	24.4	10.0	77	0.7	19.9	7.2	99	4.32	9.5	0.8	12.4	5	<0.1	0.9	0.3	23	0.01	0.066	31
BK125	Soil	1.3	31.0	12.1	88	0.7	36.3	14.1	191	5.25	12.6	1.3	13.1	4	<0.1	0.9	0.4	21	<0.01	0.061	28
BK126	Soil	1.2	22.5	10.1	46	0.2	16.2	6.7	99	3.89	6.9	1.6	10.0	6	<0.1	1.0	0.5	24	0.01	0.042	30
BK127	Soil	0.8	33.8	10.9	78	0.1	45.1	15.2	316	3.81	1.2	<0.5	9.4	18	0.1	0.4	0.4	17	0.34	0.052	39
BK128	Soil	0.9	38.8	12.0	86	0.1	51.0	17.0	348	4.39	2.0	1.5	10.4	15	0.2	0.4	0.4	19	0.25	0.052	43

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 6 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11004368.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	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	
BK099	Soil			17	0.43	26	0.004	<1	1.15	0.002	0.10	<0.1	0.03	2.1	0.3	<0.05	3	<0.5	<0.2
BK100	Soil			16	0.34	30	0.004	<1	1.08	0.003	0.11	0.1	0.04	1.9	0.3	<0.05	3	<0.5	<0.2
BK101	Soil			19	0.34	29	0.008	<1	1.20	0.002	0.15	<0.1	0.04	1.9	0.3	<0.05	5	<0.5	<0.2
BK102	Soil			27	0.56	40	0.067	<1	1.39	0.003	0.23	0.2	0.04	1.6	0.3	<0.05	6	<0.5	<0.2
BK103	Soil			20	0.63	42	0.042	<1	1.24	0.003	0.23	0.2	0.02	1.7	0.3	<0.05	4	<0.5	<0.2
BK104	Soil			16	0.33	26	0.018	<1	0.96	0.002	0.13	<0.1	0.02	1.5	0.2	<0.05	4	<0.5	<0.2
BK105	Soil			19	0.41	35	0.020	<1	1.08	0.002	0.18	0.1	0.02	1.9	0.2	<0.05	4	<0.5	<0.2
BK106	Soil			30	0.80	26	0.029	<1	1.62	0.003	0.20	0.4	0.02	2.5	0.3	<0.05	5	<0.5	<0.2
BK107	Soil			29	0.80	32	0.053	<1	1.89	0.003	0.35	0.1	0.04	2.5	0.4	<0.05	5	<0.5	<0.2
BK108	Soil			36	0.77	30	0.042	<1	1.71	0.003	0.24	<0.1	0.03	2.5	0.3	<0.05	6	<0.5	<0.2
BK109	Soil			29	0.71	24	0.066	<1	1.75	0.003	0.31	<0.1	0.03	2.4	0.4	<0.05	6	<0.5	<0.2
BK110	Soil			36	0.85	48	0.054	<1	1.87	0.003	0.26	<0.1	0.03	2.6	0.3	<0.05	5	<0.5	<0.2
BK111	Soil			17	0.36	27	0.022	<1	0.92	0.003	0.14	<0.1	0.02	1.6	0.2	<0.05	3	<0.5	<0.2
BK112	Soil			30	0.77	33	0.051	<1	1.95	0.003	0.28	<0.1	0.04	2.4	0.3	<0.05	5	<0.5	<0.2
BK113	Soil			16	0.33	36	0.009	<1	1.17	0.003	0.14	<0.1	0.02	1.9	0.2	<0.05	4	<0.5	<0.2
BK114	Soil			32	0.66	41	0.073	<1	1.62	0.003	0.27	<0.1	0.03	2.6	0.3	<0.05	5	<0.5	<0.2
BK115	Soil			15	0.34	17	0.008	<1	1.00	0.002	0.10	<0.1	0.02	1.5	0.1	<0.05	3	<0.5	<0.2
BK116	Soil			15	0.48	27	0.010	<1	0.88	0.003	0.14	<0.1	0.02	1.7	0.1	<0.05	3	<0.5	<0.2
BK117	Soil			17	0.55	31	0.015	<1	0.99	0.004	0.12	<0.1	0.01	2.0	0.2	<0.05	3	<0.5	<0.2
BK118	Soil			17	0.53	31	0.014	<1	0.97	0.003	0.12	<0.1	0.02	1.9	0.2	<0.05	3	<0.5	<0.2
BK119	Soil			14	0.47	28	0.012	<1	0.84	0.003	0.16	<0.1	0.03	1.7	0.1	<0.05	3	<0.5	<0.2
BK120	Soil			18	0.39	26	0.007	<1	1.11	0.003	0.12	<0.1	0.03	1.6	0.2	<0.05	3	<0.5	<0.2
BK121	Soil			12	0.32	32	0.003	<1	0.89	0.003	0.11	<0.1	0.03	2.2	0.3	<0.05	2	<0.5	<0.2
BK122	Soil			21	0.51	37	0.006	<1	1.36	0.005	0.13	0.1	0.04	1.8	0.2	<0.05	4	<0.5	<0.2
BK123	Soil			27	0.70	40	0.020	<1	1.68	0.004	0.23	<0.1	0.02	2.3	0.3	<0.05	5	<0.5	<0.2
BK124	Soil			28	0.54	51	0.010	2	1.85	0.004	0.17	<0.1	0.05	2.3	0.3	<0.05	5	<0.5	<0.2
BK125	Soil			21	0.46	30	0.005	1	1.57	0.002	0.12	<0.1	0.02	2.2	0.2	<0.05	4	<0.5	<0.2
BK126	Soil			22	0.54	28	0.019	<1	1.22	0.003	0.16	<0.1	0.01	1.8	0.2	<0.05	4	<0.5	<0.2
BK127	Soil			19	0.68	30	0.013	1	1.16	0.003	0.12	<0.1	0.02	1.9	0.2	0.07	4	0.8	<0.2
BK128	Soil			20	0.72	32	0.018	2	1.18	0.004	0.13	<0.1	<0.01	2.0	0.2	<0.05	4	<0.5	<0.2

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 7 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004368.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
BK129 Soil	1.7	29.8	13.3	81	0.1	29.7	11.0	172	4.63	3.6	1.2	9.7	15	0.1	0.6	0.4	31	0.19	0.043	31	
BK130 Soil	2.5	37.4	25.3	78	0.3	26.2	9.0	176	4.98	0.8	<0.5	15.7	13	0.1	0.2	0.6	23	0.02	0.031	41	
BK131 Soil	3.6	61.9	36.3	115	0.3	54.0	18.6	226	7.19	1.4	0.8	19.0	11	0.1	0.4	0.7	28	0.02	0.046	33	
BK132 Soil	2.1	39.9	16.6	85	0.4	30.1	10.0	164	5.48	3.5	0.9	13.6	4	0.1	0.4	0.6	21	<0.01	0.032	29	
BK133 Soil	1.5	21.9	9.8	61	0.2	17.6	6.2	122	3.99	1.5	0.7	9.7	7	<0.1	0.6	0.4	25	0.02	0.029	33	
BK134 Soil	1.0	23.3	10.0	60	0.1	24.0	9.2	206	3.87	2.0	<0.5	9.1	7	<0.1	0.6	0.3	19	0.09	0.026	32	
BK135 Soil	0.8	24.6	9.6	61	<0.1	26.9	12.9	212	3.73	2.1	<0.5	9.9	7	<0.1	0.4	0.3	21	0.09	0.025	31	
BK136 Soil	1.1	18.6	8.4	47	0.4	17.2	6.2	95	3.58	4.9	2.1	9.3	4	<0.1	0.8	0.3	21	0.01	0.029	30	
BK137 Soil	1.4	32.0	8.0	64	0.2	28.1	9.8	126	4.22	4.1	0.6	13.4	4	<0.1	0.4	0.3	24	0.01	0.033	30	
BK138 Soil	1.1	38.3	14.9	80	0.2	32.7	10.2	129	5.29	3.5	1.2	13.8	4	<0.1	0.3	0.3	25	0.02	0.049	32	
BK139 Soil	1.8	41.0	9.4	83	0.4	32.9	11.8	184	5.96	4.7	<0.5	13.3	8	<0.1	0.6	0.4	31	0.04	0.059	29	
BK140 Soil	1.2	35.3	7.8	66	0.5	23.9	7.6	117	4.54	2.0	<0.5	11.6	4	<0.1	0.3	0.3	25	0.01	0.044	25	
BK141 Soil	1.5	40.1	12.2	73	0.2	31.9	9.6	116	4.90	2.7	<0.5	13.1	7	<0.1	0.4	0.3	24	<0.01	0.044	27	
BK142 Soil	0.8	25.9	10.0	58	<0.1	25.2	8.8	137	3.45	3.8	1.5	10.1	5	<0.1	0.6	0.4	18	0.02	0.030	28	
BK143 Moss	0.8	32.3	10.5	74	0.5	55.1	13.5	361	3.20	1.4	0.5	4.1	23	0.2	0.2	0.4	16	0.50	0.072	42	
BK144 Moss	0.7	30.3	9.4	69	0.4	53.2	12.5	333	2.87	1.1	<0.5	3.5	21	0.2	0.2	0.3	15	0.49	0.079	44	
BK145 Silt	0.8	28.4	10.6	71	0.5	40.3	10.2	208	3.42	1.6	<0.5	4.3	18	0.2	0.3	0.4	18	0.34	0.064	38	
BK146 Soil	1.1	23.4	8.4	52	0.1	15.1	6.0	103	4.10	6.8	<0.5	10.3	4	<0.1	0.3	0.4	20	<0.01	0.025	31	
BK147 Soil	1.4	45.9	25.3	92	0.8	45.7	12.5	304	4.72	5.9	1.4	11.1	13	0.4	1.9	0.5	19	0.18	0.060	67	
BK148 Soil	1.2	21.7	11.8	61	0.7	20.9	7.3	111	4.31	4.0	<0.5	10.2	4	0.1	0.6	0.3	22	0.02	0.039	32	
BK149 Soil	1.4	29.8	12.4	69	0.3	25.0	9.9	147	4.54	3.2	<0.5	11.2	8	0.1	1.1	0.3	21	0.06	0.033	33	
BK150 Soil	1.0	27.5	43.6	92	0.7	18.1	6.3	82	3.83	4.4	<0.5	8.4	2	0.3	1.0	0.6	16	0.01	0.032	27	
BK151 Soil	1.0	30.9	36.1	105	0.5	25.2	9.7	136	4.11	4.3	<0.5	11.0	5	0.3	0.7	0.3	21	0.02	0.031	22	
BK152 Soil	1.6	24.5	19.2	68	0.4	14.3	5.3	100	4.85	2.7	<0.5	8.9	5	0.1	0.3	0.4	29	0.02	0.049	23	
BK153 Soil	2.1	41.3	16.1	97	0.4	24.9	10.1	145	4.93	3.2	<0.5	12.2	4	0.2	0.9	0.4	23	0.01	0.047	24	
BK154 Soil	1.0	27.4	19.2	78	0.4	17.3	6.8	105	4.34	3.5	1.4	11.2	5	0.1	0.5	0.3	21	<0.01	0.055	23	
BK155 Soil	1.0	26.6	10.8	65	0.5	24.7	9.6	164	4.55	3.5	3.9	9.9	6	<0.1	0.6	0.3	32	0.03	0.059	22	
BK156 Moss	0.7	31.3	9.9	86	0.1	46.1	12.8	247	3.30	0.7	0.7	7.9	12	0.2	0.2	0.3	18	0.22	0.053	42	
BK157 Silt	0.7	33.6	10.1	87	0.1	47.6	13.8	264	3.40	0.9	<0.5	7.9	12	0.1	0.2	0.3	20	0.21	0.050	40	
BK158 Silt	0.6	37.3	10.6	98	0.2	63.3	14.7	334	3.31	0.8	<0.5	6.3	16	0.3	0.2	0.3	17	0.32	0.066	50	

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

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Page: 7 of 10 Part 2

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	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	
BK129	Soil			23	0.59	40	0.029	1	1.32	0.004	0.13	0.1	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
BK130	Soil			22	0.69	31	0.009	1	1.55	0.004	0.11	<0.1	0.01	2.1	0.2	<0.05	5	<0.5	<0.2
BK131	Soil			29	0.77	51	0.014	<1	2.28	0.005	0.19	<0.1	0.03	2.5	0.3	0.07	5	0.5	<0.2
BK132	Soil			22	0.66	24	0.003	<1	1.67	0.002	0.08	<0.1	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
BK133	Soil			19	0.46	33	0.014	<1	1.29	0.003	0.13	0.1	0.03	1.7	0.2	<0.05	5	<0.5	<0.2
BK134	Soil			21	0.72	23	0.017	1	1.23	0.003	0.13	<0.1	0.01	1.9	0.2	<0.05	4	<0.5	<0.2
BK135	Soil			22	0.71	30	0.022	<1	1.28	0.003	0.13	<0.1	<0.01	2.0	0.2	<0.05	4	<0.5	<0.2
BK136	Soil			18	0.45	24	0.010	<1	1.25	0.003	0.12	<0.1	0.02	1.6	0.2	<0.05	4	<0.5	<0.2
BK137	Soil			26	0.67	34	0.019	1	1.69	0.004	0.17	<0.1	0.03	2.5	0.3	<0.05	5	<0.5	<0.2
BK138	Soil			24	0.63	27	0.024	<1	1.57	0.003	0.13	<0.1	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
BK139	Soil			32	0.82	42	0.025	1	1.91	0.004	0.19	<0.1	0.02	2.6	0.3	<0.05	6	<0.5	<0.2
BK140	Soil			24	0.59	26	0.008	<1	1.55	0.003	0.10	<0.1	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
BK141	Soil			28	0.70	32	0.013	<1	1.82	0.003	0.16	<0.1	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
BK142	Soil			20	0.62	31	0.017	<1	1.27	0.005	0.15	<0.1	0.02	1.9	0.2	<0.05	4	<0.5	<0.2
BK143	Moss			20	0.65	35	0.012	2	1.18	0.004	0.12	<0.1	0.04	1.7	0.2	0.09	4	2.1	<0.2
BK144	Moss			17	0.59	32	0.011	1	1.02	0.008	0.44	0.1	0.03	1.3	0.1	0.10	3	2.5	<0.2
BK145	Silt			20	0.70	37	0.011	<1	1.31	0.004	0.11	<0.1	0.03	1.5	0.2	0.05	4	1.1	<0.2
BK146	Soil			21	0.62	20	0.010	<1	1.29	0.002	0.09	<0.1	0.02	1.5	0.2	<0.05	4	<0.5	<0.2
BK147	Soil			18	0.54	39	0.010	<1	1.29	0.004	0.15	<0.1	0.04	2.8	0.3	0.08	4	1.5	<0.2
BK148	Soil			16	0.31	19	0.004	<1	1.26	0.003	0.08	<0.1	0.03	1.5	0.2	<0.05	5	<0.5	<0.2
BK149	Soil			20	0.65	29	0.014	<1	1.29	0.003	0.15	<0.1	0.01	2.0	0.2	<0.05	4	<0.5	<0.2
BK150	Soil			16	0.38	21	0.004	<1	1.16	0.003	0.08	<0.1	0.01	1.4	0.1	<0.05	3	<0.5	<0.2
BK151	Soil			23	0.68	30	0.012	<1	1.67	0.003	0.14	<0.1	0.03	2.0	0.2	<0.05	4	<0.5	<0.2
BK152	Soil			24	0.54	29	0.006	<1	1.57	0.002	0.07	<0.1	0.03	1.5	0.1	<0.05	6	<0.5	<0.2
BK153	Soil			23	0.59	31	0.009	<1	1.60	0.003	0.13	<0.1	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
BK154	Soil			25	0.66	46	0.014	<1	1.79	0.003	0.17	<0.1	0.05	1.8	0.2	0.06	4	<0.5	<0.2
BK155	Soil			28	0.56	32	0.020	<1	1.68	0.006	0.11	0.2	0.04	2.4	0.2	<0.05	5	<0.5	<0.2
BK156	Moss			19	0.70	33	0.026	<1	1.16	0.003	0.18	<0.1	0.02	1.6	0.2	0.06	4	<0.5	<0.2
BK157	Silt			21	0.77	36	0.028	<1	1.27	0.003	0.15	<0.1	0.01	1.7	0.2	<0.05	4	<0.5	<0.2
BK158	Silt			20	0.73	39	0.019	<1	1.26	0.004	0.13	<0.1	0.03	1.8	0.2	0.06	4	0.9	<0.2

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 8 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004368.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		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	2	0.01	0.001	1	
BK159	Moss	0.8	40.1	11.9	101	0.2	69.0	16.0	340	3.31	0.9	<0.5	7.4	18	0.3	0.2	0.5	16	0.34	0.067	54
BK160	Soil	1.2	54.5	192.6	201	1.3	62.1	12.2	263	4.56	17.0	8.4	10.9	14	0.8	3.8	0.6	10	0.20	0.063	41
BK161	Soil	2.3	35.2	66.7	105	0.4	21.8	7.2	150	4.72	7.3	0.9	12.2	9	0.3	1.0	0.4	19	0.08	0.042	23
BK162	Soil	1.5	22.9	36.7	64	0.3	13.2	4.1	84	4.29	6.9	2.4	11.1	5	0.3	0.8	0.4	33	0.02	0.046	25
BK163	Soil	0.9	11.0	9.9	32	0.3	6.9	2.8	64	2.87	2.3	0.6	7.0	5	<0.1	0.5	0.3	22	0.02	0.043	22
BK164	Soil	1.2	23.7	10.6	76	0.6	25.5	8.9	139	4.43	8.3	1.5	13.2	3	0.2	1.0	0.3	18	<0.01	0.034	26
BK165	Soil	0.7	10.2	12.3	43	0.3	14.6	4.9	89	2.54	2.0	<0.5	8.1	5	<0.1	0.4	0.3	21	0.02	0.017	26
BK166	Soil	1.1	32.0	19.1	87	0.3	25.7	9.7	141	5.59	5.0	<0.5	10.1	4	0.1	0.6	0.4	28	0.04	0.062	20
BK167	Soil	0.7	22.0	14.1	66	0.2	22.0	10.5	173	3.43	3.4	<0.5	7.2	6	0.1	0.6	0.3	28	0.06	0.035	21
BK168	Soil	0.8	21.3	12.2	68	0.2	23.6	9.4	155	3.32	3.5	<0.5	5.8	6	0.2	0.4	0.3	25	0.07	0.022	19
BK169	Soil	0.9	19.4	14.0	61	0.2	15.5	6.1	105	3.82	4.9	<0.5	8.2	5	<0.1	0.8	0.4	32	0.04	0.058	20
BK170	Soil	0.8	11.2	13.5	44	0.3	11.4	4.6	109	2.57	2.7	<0.5	6.6	10	0.1	0.5	0.3	41	0.07	0.040	20
BK171	Soil	1.2	27.5	14.5	101	0.4	30.4	11.2	175	5.04	5.4	2.0	8.7	7	0.2	0.5	0.3	30	0.06	0.063	19
BK172	Soil	0.8	22.4	15.7	69	0.4	18.1	6.2	118	4.45	5.3	<0.5	7.2	5	0.1	0.6	0.3	28	0.03	0.079	17
BK173	Soil	0.7	18.3	13.7	59	0.2	16.5	6.3	117	4.71	6.4	<0.5	7.7	4	0.1	0.6	0.4	29	0.02	0.069	15
BK174	Soil	0.6	20.8	15.0	56	0.1	20.8	8.5	163	3.35	5.1	0.9	8.3	7	0.1	0.8	0.4	28	0.04	0.043	19
BK175	Silt	0.5	24.6	9.9	88	0.2	44.4	10.7	275	2.86	1.5	<0.5	6.9	13	0.2	0.2	0.3	17	0.26	0.057	37
BK176	Moss	0.4	23.8	9.9	92	0.2	48.2	11.3	259	2.75	1.6	<0.5	7.3	13	0.4	0.3	0.3	16	0.26	0.062	41
BK177	Soil	0.4	8.6	7.7	42	<0.1	13.3	4.9	91	2.21	2.2	<0.5	3.4	6	<0.1	0.2	0.2	20	0.08	0.016	20
BK178	Soil	0.3	10.1	7.1	56	<0.1	15.7	7.6	176	2.54	2.1	0.8	6.8	7	<0.1	0.1	0.2	23	0.13	0.025	20
BK179	Soil	0.5	23.5	12.5	90	0.1	29.5	13.3	455	3.98	3.5	<0.5	13.3	14	0.2	0.2	0.4	32	0.19	0.037	44
BK180	Soil	0.5	22.1	11.8	79	0.2	26.7	10.3	435	3.43	2.6	0.7	6.7	21	0.1	0.2	0.4	28	0.31	0.043	42
BK181	Soil	0.5	22.3	10.9	87	0.2	26.1	11.6	348	3.54	3.6	0.9	6.0	22	<0.1	0.3	0.4	27	0.34	0.052	29
BK182	Silt	0.3	16.7	7.6	61	0.2	25.2	9.4	348	2.61	2.1	0.5	4.4	20	0.1	0.3	0.2	17	0.37	0.051	29
BK183	Moss	0.5	27.4	8.4	64	0.4	35.0	10.4	549	2.35	1.7	0.6	2.7	42	0.3	0.5	0.2	18	0.86	0.067	44
BK184	Soil	0.4	20.5	11.3	69	0.2	26.5	14.9	277	3.45	2.7	<0.5	9.3	11	0.2	0.3	0.3	28	0.14	0.031	28
BK185	Soil	0.5	20.2	11.2	70	0.2	29.2	12.1	265	3.43	2.6	<0.5	7.1	17	<0.1	0.2	0.3	27	0.25	0.035	32
BK186	Soil	0.5	20.2	12.1	71	0.2	27.0	12.4	391	3.24	3.3	0.6	9.3	13	0.1	0.4	0.3	25	0.18	0.037	39
BK187	Soil	0.5	19.8	7.9	63	0.1	25.3	10.4	233	3.06	2.6	<0.5	6.6	10	0.1	0.3	0.2	23	0.12	0.025	24
BK188	Soil	0.4	16.2	9.7	60	0.2	24.2	10.4	174	2.89	1.4	<0.5	6.6	10	0.1	0.2	0.2	23	0.13	0.019	29

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 8 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11004368.1

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	
BK159	Moss	20	0.69	38	0.015	2	1.23	0.004	0.11	<0.1	0.03	1.7	0.2	0.05	3	1.5	<0.2
BK160	Soil	12	0.27	34	0.002	<1	0.96	0.003	0.09	<0.1	0.05	2.9	0.2	<0.05	2	0.8	<0.2
BK161	Soil	23	0.80	26	0.004	1	1.55	0.003	0.08	<0.1	<0.01	1.4	0.1	<0.05	5	<0.5	<0.2
BK162	Soil	18	0.31	32	0.006	1	1.37	0.003	0.08	<0.1	0.02	1.5	0.2	<0.05	6	<0.5	<0.2
BK163	Soil	11	0.19	27	0.010	<1	0.90	0.003	0.06	<0.1	0.01	0.9	0.2	<0.05	5	<0.5	<0.2
BK164	Soil	23	0.68	26	0.011	1	1.85	0.002	0.12	<0.1	0.02	2.1	0.3	<0.05	4	<0.5	<0.2
BK165	Soil	18	0.56	34	0.030	<1	1.27	0.003	0.10	<0.1	0.02	1.6	0.2	<0.05	5	<0.5	<0.2
BK166	Soil	29	0.69	34	0.032	2	1.81	0.003	0.13	0.2	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
BK167	Soil	21	0.63	46	0.032	<1	1.42	0.003	0.09	<0.1	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
BK168	Soil	26	0.81	37	0.041	<1	1.64	0.003	0.20	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
BK169	Soil	17	0.33	47	0.044	<1	0.91	0.002	0.10	0.2	0.01	1.4	0.1	<0.05	5	<0.5	<0.2
BK170	Soil	13	0.21	33	0.055	<1	0.71	0.003	0.08	0.1	0.01	1.2	0.1	<0.05	6	0.7	<0.2
BK171	Soil	30	0.74	41	0.045	1	1.69	0.003	0.15	0.2	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
BK172	Soil	23	0.52	32	0.016	<1	1.57	0.002	0.11	<0.1	0.04	1.7	0.2	<0.05	5	<0.5	<0.2
BK173	Soil	23	0.37	27	0.027	<1	1.41	0.003	0.10	0.2	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
BK174	Soil	20	0.40	35	0.021	<1	1.24	0.004	0.10	0.1	<0.01	1.9	0.1	<0.05	5	<0.5	<0.2
BK175	Silt	19	0.60	35	0.023	1	1.15	0.003	0.12	<0.1	0.02	1.5	0.2	<0.05	4	<0.5	<0.2
BK176	Moss	19	0.55	35	0.024	<1	1.12	0.003	0.14	<0.1	0.02	1.7	0.2	<0.05	4	<0.5	<0.2
BK177	Soil	18	0.58	24	0.033	1	1.04	0.003	0.13	<0.1	<0.01	1.3	0.1	<0.05	4	<0.5	<0.2
BK178	Soil	23	0.77	34	0.060	<1	1.34	0.003	0.22	<0.1	<0.01	2.0	0.2	<0.05	5	<0.5	<0.2
BK179	Soil	28	0.86	58	0.064	<1	1.77	0.003	0.22	0.1	0.01	3.5	0.3	<0.05	6	0.6	<0.2
BK180	Soil	24	0.80	72	0.036	<1	1.67	0.004	0.21	<0.1	0.03	2.7	0.2	<0.05	6	<0.5	<0.2
BK181	Soil	27	0.81	51	0.037	<1	1.63	0.004	0.26	<0.1	0.02	2.5	0.2	<0.05	5	0.5	<0.2
BK182	Silt	18	0.60	32	0.040	<1	1.05	0.003	0.22	<0.1	0.03	1.6	0.2	<0.05	3	<0.5	<0.2
BK183	Moss	19	0.66	43	0.030	3	1.11	0.006	0.24	<0.1	0.06	1.5	0.2	0.10	3	0.9	<0.2
BK184	Soil	26	0.80	54	0.050	1	1.61	0.003	0.22	<0.1	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
BK185	Soil	26	0.88	57	0.047	<1	1.66	0.005	0.26	<0.1	0.01	2.1	0.2	<0.05	5	<0.5	<0.2
BK186	Soil	24	0.71	47	0.039	2	1.54	0.003	0.21	0.1	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
BK187	Soil	23	0.75	40	0.046	<1	1.31	0.004	0.27	0.3	<0.01	1.9	0.3	<0.05	4	<0.5	<0.2
BK188	Soil	24	0.81	43	0.053	<1	1.52	0.003	0.24	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 9 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004368.1

Method Analyte	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	%	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	
BK189	Soil	0.6	24.1	12.6	68	0.3	28.1	12.3	331	3.59	2.3	1.0	6.0	12	0.1	0.3	0.5	27	0.18	0.048	38
BK190	Soil	0.7	18.7	15.5	67	0.2	22.3	13.3	509	3.13	1.8	1.9	4.3	15	0.2	0.3	0.4	28	0.23	0.042	34
BK191	Soil	0.7	15.2	13.3	45	0.3	15.7	6.9	170	2.64	1.9	<0.5	5.7	11	0.1	0.2	0.4	28	0.12	0.024	39
BK192	Soil	0.7	31.9	17.0	108	0.7	31.3	13.2	336	3.96	2.7	<0.5	5.4	23	0.4	0.3	0.5	35	0.35	0.062	61
BK193	Soil	0.4	12.6	12.2	40	<0.1	11.7	4.0	94	2.43	2.3	<0.5	4.5	8	<0.1	0.3	0.3	25	0.08	0.018	24
BK194	Soil	0.4	14.5	18.3	85	0.4	22.5	8.3	222	2.99	2.5	<0.5	4.0	15	0.2	0.3	0.3	31	0.25	0.036	28
BK195	Moss	0.6	25.1	9.7	70	0.2	50.1	14.3	577	2.98	1.5	1.1	5.3	18	0.4	0.3	0.3	17	0.37	0.052	32
BK196	Silt	0.6	28.1	10.1	72	0.2	59.8	15.7	792	3.18	1.6	<0.5	5.1	20	0.4	0.3	0.4	18	0.41	0.056	36
BK197	Moss	0.7	38.6	13.1	81	0.2	65.9	13.0	333	2.90	1.4	0.7	7.6	20	0.4	0.3	0.4	16	0.37	0.067	44
BK198	Silt	0.6	33.1	11.6	78	0.2	53.3	12.0	254	2.79	1.1	0.9	7.2	15	0.3	0.3	0.3	17	0.25	0.052	33
BK199	Soil	0.5	19.7	8.6	56	0.3	37.3	8.3	222	2.26	1.3	<0.5	3.7	22	0.2	0.3	0.4	14	0.40	0.050	27
BK200	Soil	0.5	18.7	8.9	53	0.3	34.6	8.6	242	2.39	1.4	<0.5	4.0	20	0.1	0.2	0.3	16	0.39	0.041	26
BK201	Rock Pulp	61.5	8146	12.0	64	2.9	28.1	9.6	390	3.00	10.6	627.9	0.8	34	0.7	5.6	1.0	55	0.64	0.051	3
CW000	Rock Pulp	3.0	24.3	2.2	33	0.5	19.2	8.0	269	1.74	3.0	2.2	0.8	26	0.2	0.3	<0.1	43	0.56	0.046	4
CW001	Soil	0.2	2.4	5.3	3	<0.1	0.7	0.3	31	0.10	<0.5	1.4	0.6	4	<0.1	<0.1	0.3	6	0.03	0.010	22
CW002	Soil	0.3	9.8	6.6	19	0.1	7.3	2.6	87	1.09	2.1	<0.5	1.7	3	<0.1	0.4	0.3	23	<0.01	0.021	25
CW003	Soil	2.0	23.4	15.1	99	0.7	30.7	15.3	913	4.40	11.8	1.8	9.6	26	0.2	0.4	0.5	29	0.36	0.059	35
CW004	Soil	0.8	20.4	13.6	51	0.2	16.0	6.7	126	3.49	9.4	<0.5	7.0	2	<0.1	0.6	0.5	24	0.02	0.034	18
CW005	Soil	0.8	16.9	14.8	36	0.7	11.9	5.3	99	2.86	6.9	<0.5	8.2	2	<0.1	0.6	0.5	24	<0.01	0.032	21
CW006	Soil	0.7	11.9	10.3	44	0.2	14.5	6.0	116	2.60	5.7	<0.5	5.3	3	<0.1	0.4	0.3	23	0.06	0.048	17
CW007	Soil	0.9	12.6	9.4	31	0.2	12.0	4.9	114	1.89	7.2	<0.5	5.9	3	<0.1	0.8	0.6	34	0.02	0.050	21
CW008	Soil	0.6	5.8	8.1	19	0.2	5.2	2.4	66	1.04	2.7	<0.5	1.5	4	<0.1	0.3	0.4	22	0.02	0.018	19
CW009	Soil	1.1	15.9	11.7	62	0.2	17.7	12.3	292	2.80	4.5	<0.5	5.2	14	0.1	0.3	0.4	25	0.29	0.060	21
CW010	Soil	1.0	24.1	11.5	68	0.4	23.7	11.8	311	3.19	5.3	0.7	7.3	19	0.2	0.4	0.5	27	0.40	0.081	35
CW011	Soil	1.0	22.5	12.0	65	0.3	22.3	10.5	286	2.92	4.8	<0.5	6.1	27	0.1	0.3	0.5	27	0.54	0.067	30
CW012	Soil	1.0	28.0	18.1	65	0.9	27.6	13.8	501	2.91	9.1	1.0	4.6	40	0.2	0.4	0.7	25	0.63	0.065	55
CW013	Soil	0.7	25.0	28.1	86	0.4	35.1	12.7	333	2.80	6.6	0.9	8.1	7	0.2	0.4	0.5	22	0.18	0.072	29
CW014	Soil	0.6	22.4	12.5	77	0.3	27.6	10.3	213	3.17	5.8	<0.5	8.1	13	0.1	0.4	0.6	28	0.24	0.050	39
CW015	Soil	0.6	23.7	14.1	77	0.3	27.0	11.8	274	3.13	4.4	1.0	8.8	16	0.1	0.3	0.6	26	0.28	0.062	40
CW016	Soil	1.5	20.5	17.9	59	0.4	19.9	9.2	217	2.97	6.1	0.7	6.8	8	<0.1	0.4	0.9	28	0.13	0.046	24

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.



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 9 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11004368.1

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	
BK189	Soil		28	0.86	59	0.058	<1	1.72	0.004	0.30	<0.1	0.03	2.8	0.3	<0.05	6	0.5	<0.2
BK190	Soil		22	0.63	64	0.031	<1	1.55	0.004	0.18	<0.1	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
BK191	Soil		19	0.51	47	0.038	<1	1.24	0.003	0.11	0.1	<0.01	1.8	0.2	<0.05	6	<0.5	<0.2
BK192	Soil		30	0.94	90	0.054	<1	2.04	0.004	0.23	0.3	0.05	3.0	0.2	<0.05	7	0.5	<0.2
BK193	Soil		15	0.35	39	0.022	1	1.07	0.004	0.12	0.1	<0.01	1.4	0.2	<0.05	5	<0.5	<0.2
BK194	Soil		26	0.89	66	0.059	<1	1.71	0.005	0.25	<0.1	0.02	2.5	0.3	<0.05	6	<0.5	<0.2
BK195	Moss		19	0.59	52	0.028	2	1.02	0.004	0.22	<0.1	0.02	1.6	0.2	<0.05	3	0.9	<0.2
BK196	Silt		19	0.59	57	0.024	2	1.07	0.004	0.12	<0.1	0.03	1.6	0.2	<0.05	3	1.1	<0.2
BK197	Moss		19	0.59	39	0.029	2	1.07	0.006	0.22	<0.1	0.02	1.9	0.3	<0.05	3	2.2	<0.2
BK198	Silt		18	0.59	34	0.029	1	1.01	0.003	0.14	<0.1	0.02	1.6	0.2	<0.05	3	0.9	<0.2
BK199	Soil		15	0.49	39	0.018	2	0.94	0.003	0.11	<0.1	0.02	1.3	0.1	<0.05	3	0.9	<0.2
BK200	Soil		15	0.49	36	0.021	<1	0.89	0.002	0.09	<0.1	0.03	1.3	0.2	<0.05	3	0.9	<0.2
BK201	Rock Pulp		41	0.70	78	0.094	2	1.36	0.077	0.12	2.1	0.07	3.6	<0.1	0.71	5	1.9	0.3
CW000	Rock Pulp		25	0.46	75	0.078	3	0.93	0.052	0.06	12.8	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
CW001	Soil		2	0.03	17	0.026	1	0.25	0.002	0.03	<0.1	0.02	0.3	<0.1	<0.05	6	<0.5	<0.2
CW002	Soil		7	0.07	18	0.016	<1	0.62	0.002	0.05	<0.1	<0.01	0.6	0.1	<0.05	5	<0.5	<0.2
CW003	Soil		26	0.72	101	0.077	1	1.71	0.004	0.32	<0.1	0.04	2.6	0.3	<0.05	5	<0.5	<0.2
CW004	Soil		22	0.55	44	0.059	<1	1.47	0.004	0.26	<0.1	0.02	1.7	0.2	<0.05	4	<0.5	<0.2
CW005	Soil		16	0.34	26	0.046	<1	1.13	0.003	0.14	<0.1	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
CW006	Soil		20	0.53	36	0.057	<1	1.35	0.003	0.25	<0.1	0.01	1.7	0.2	<0.05	4	<0.5	<0.2
CW007	Soil		8	0.17	25	0.044	<1	0.72	0.002	0.11	0.1	<0.01	1.1	0.1	<0.05	5	<0.5	<0.2
CW008	Soil		8	0.17	33	0.029	<1	0.62	0.002	0.10	0.1	0.01	0.8	0.1	<0.05	4	<0.5	<0.2
CW009	Soil		23	0.64	52	0.069	1	1.31	0.003	0.31	<0.1	0.01	2.1	0.3	<0.05	4	<0.5	<0.2
CW010	Soil		26	0.78	57	0.074	1	1.53	0.004	0.41	<0.1	0.03	2.5	0.3	<0.05	5	<0.5	<0.2
CW011	Soil		24	0.75	65	0.074	1	1.38	0.005	0.39	<0.1	0.02	2.2	0.3	<0.05	5	0.5	<0.2
CW012	Soil		22	0.66	90	0.058	1	1.44	0.005	0.31	<0.1	0.05	2.2	0.3	0.05	5	0.7	<0.2
CW013	Soil		20	0.65	62	0.070	<1	1.31	0.004	0.38	<0.1	0.02	2.1	0.3	<0.05	4	<0.5	<0.2
CW014	Soil		26	0.79	74	0.084	<1	1.55	0.005	0.41	<0.1	0.01	2.4	0.3	<0.05	5	<0.5	<0.2
CW015	Soil		26	0.77	67	0.089	<1	1.52	0.004	0.39	<0.1	0.01	2.5	0.3	<0.05	5	<0.5	<0.2
CW016	Soil		25	0.74	60	0.088	<1	1.50	0.004	0.42	<0.1	0.02	2.1	0.4	<0.05	5	<0.5	<0.2



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 10 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004368.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		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	2	0.01	0.001	1	
CW017	Soil	0.8	23.6	14.8	84	0.3	27.8	13.1	292	3.33	4.4	0.5	9.4	13	0.2	0.3	0.6	29	0.23	0.060	32
CW018	Soil	1.0	32.4	22.1	87	0.7	31.5	15.0	408	3.46	5.2	<0.5	8.9	19	0.1	0.4	1.0	30	0.28	0.052	48
CW019	Soil	1.2	26.0	18.2	75	0.2	27.2	19.5	469	4.09	5.7	0.6	8.5	8	<0.1	0.5	0.9	36	0.08	0.046	33
CW020	Soil	0.6	19.0	12.1	53	0.1	17.9	10.4	208	2.56	3.7	<0.5	6.9	5	0.1	0.3	0.4	22	0.09	0.037	21
CW021	Soil	1.0	17.2	12.7	43	0.3	15.3	6.2	147	3.70	8.5	<0.5	6.5	3	<0.1	0.8	0.6	34	0.01	0.032	18
CW022	Soil	0.6	11.3	11.8	49	0.1	14.2	7.7	162	2.15	2.9	<0.5	5.1	10	0.1	0.2	0.5	23	0.13	0.037	23
CW023	Soil	0.7	23.3	15.7	85	0.4	27.1	12.8	293	3.30	4.4	0.5	8.0	18	0.2	0.3	0.8	30	0.23	0.046	48
CW024	Soil	1.0	16.7	12.7	48	0.1	15.2	6.2	117	3.29	10.5	0.7	6.3	3	<0.1	1.0	0.8	32	0.04	0.034	18
CW025	Soil	0.8	17.8	13.0	53	0.1	18.0	9.6	200	2.79	5.3	1.1	7.1	8	<0.1	0.3	0.6	24	0.13	0.042	24
CW026	Soil	1.0	22.7	13.9	92	0.5	23.5	9.8	558	3.63	6.3	<0.5	5.8	23	0.2	0.3	0.7	30	0.37	0.062	32
CW027	Soil	0.9	20.8	13.6	47	0.2	15.9	6.6	116	2.79	9.1	<0.5	5.8	4	<0.1	0.8	0.5	19	0.10	0.063	15
CW028	Soil	0.7	23.0	15.6	73	0.3	22.2	13.2	305	3.01	7.0	<0.5	9.9	11	0.2	0.4	0.6	22	0.18	0.044	33



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

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Page: 10 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11004368.1

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	0.1	0.05	1	0.5	0.2
CW017	Soil	28	0.80	82	0.100	<1	1.59	0.004	0.46	<0.1	<0.01	2.4	0.4	<0.05	5	<0.5	<0.2
CW018	Soil	27	0.80	108	0.084	1	1.73	0.005	0.44	0.1	0.03	2.6	0.4	<0.05	6	<0.5	<0.2
CW019	Soil	31	0.81	92	0.106	<1	1.72	0.004	0.38	0.1	0.01	2.7	0.3	<0.05	7	<0.5	<0.2
CW020	Soil	21	0.64	47	0.078	<1	1.23	0.005	0.35	0.2	<0.01	1.8	0.3	<0.05	4	<0.5	<0.2
CW021	Soil	16	0.29	23	0.060	<1	0.98	0.002	0.11	0.2	0.02	1.4	0.1	<0.05	6	<0.5	<0.2
CW022	Soil	19	0.56	51	0.069	<1	1.20	0.004	0.23	<0.1	0.01	1.6	0.2	<0.05	5	<0.5	<0.2
CW023	Soil	25	0.70	105	0.061	<1	1.75	0.004	0.20	0.1	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
CW024	Soil	15	0.32	25	0.054	<1	0.84	0.002	0.13	0.3	<0.01	1.3	0.2	<0.05	5	<0.5	<0.2
CW025	Soil	22	0.66	44	0.074	<1	1.31	0.003	0.25	<0.1	0.02	1.9	0.3	<0.05	5	<0.5	<0.2
CW026	Soil	26	0.80	112	0.062	1	1.75	0.005	0.34	0.1	0.03	2.3	0.3	<0.05	6	<0.5	<0.2
CW027	Soil	14	0.31	29	0.036	<1	0.77	0.002	0.12	0.1	0.01	1.2	0.1	<0.05	3	<0.5	<0.2
CW028	Soil	19	0.60	68	0.061	<1	1.30	0.003	0.22	0.1	0.02	2.1	0.3	<0.05	4	<0.5	<0.2



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

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Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004368.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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																					
BE006M	Soil	0.7	18.5	11.9	64	0.3	20.3	9.7	394	2.54	4.3	1.4	4.3	12	0.3	0.3	0.4	17	0.23	0.057	21
REP BE006M	QC	0.7	20.2	12.7	65	0.3	20.4	9.9	409	2.66	5.2	<0.5	4.7	12	0.3	0.3	0.4	17	0.25	0.058	22
BK002	Soil	0.9	35.6	9.4	58	<0.1	33.0	12.1	97	3.29	7.2	<0.5	11.8	11	<0.1	2.4	0.3	18	<0.01	0.032	28
REP BK002	QC	0.9	36.5	9.1	57	<0.1	33.1	12.5	101	3.33	7.5	<0.5	11.8	11	<0.1	2.3	0.3	18	0.01	0.036	30
BK020	Soil	0.6	18.2	9.7	58	0.4	27.3	10.4	145	3.33	37.1	1.7	6.0	4	<0.1	4.1	0.3	15	0.03	0.059	29
REP BK020	QC	0.6	18.3	9.7	60	0.4	28.1	10.0	151	3.40	37.0	1.7	5.9	4	<0.1	4.0	0.3	15	0.03	0.060	30
BK044	Soil	0.9	25.0	39.8	87	0.6	27.3	10.6	238	3.62	7.4	1.6	7.4	13	0.4	1.1	0.5	18	0.22	0.051	38
REP BK044	QC	0.9	25.5	39.8	89	0.6	27.4	10.6	238	3.63	7.4	1.8	6.6	14	0.4	1.2	0.5	19	0.23	0.050	39
BK051	Soil	0.9	20.0	12.8	52	0.3	21.7	7.5	104	3.16	22.2	1.8	6.3	7	<0.1	2.0	0.5	18	0.09	0.026	24
REP BK051	QC	0.9	18.8	11.8	49	0.2	20.1	6.9	96	2.92	19.6	2.9	6.2	6	<0.1	1.8	0.4	18	0.09	0.024	24
BK082	Soil	0.8	49.0	18.2	126	0.4	63.0	23.0	1033	5.13	28.6	3.7	12.8	10	0.4	1.9	0.4	18	0.18	0.082	34
REP BK082	QC	0.7	46.7	17.4	120	0.4	59.7	21.2	984	4.73	27.4	4.6	11.9	9	0.4	1.8	0.4	18	0.18	0.078	30
BK095	Soil	0.5	29.6	10.1	85	0.3	42.7	12.1	224	4.43	7.4	<0.5	9.7	5	<0.1	0.9	0.5	20	<0.01	0.042	14
REP BK095	QC	0.5	30.4	10.4	85	0.3	43.6	12.7	220	4.48	7.4	1.0	10.3	5	<0.1	0.9	0.5	19	<0.01	0.042	17
BK112	Soil	0.7	29.1	17.8	99	0.4	34.3	13.9	292	4.79	9.9	0.7	10.7	4	0.1	1.0	0.8	24	0.03	0.029	24
REP BK112	QC	0.6	28.3	17.2	96	0.4	32.2	13.2	275	4.55	9.4	<0.5	9.7	4	0.1	1.0	0.8	23	0.03	0.027	23
BK133	Soil	1.5	21.9	9.8	61	0.2	17.6	6.2	122	3.99	1.5	0.7	9.7	7	<0.1	0.6	0.4	25	0.02	0.029	33
REP BK133	QC	1.3	24.0	10.2	63	0.2	18.8	6.5	129	4.14	1.5	<0.5	10.1	7	<0.1	0.7	0.4	25	0.02	0.030	35
BK153	Soil	2.1	41.3	16.1	97	0.4	24.9	10.1	145	4.93	3.2	<0.5	12.2	4	0.2	0.9	0.4	23	0.01	0.047	24
REP BK153	QC	2.0	39.1	15.4	94	0.4	25.3	10.1	146	4.98	3.3	<0.5	12.8	4	0.2	1.0	0.4	24	0.01	0.051	30
BK159	Moss	0.8	40.1	11.9	101	0.2	69.0	16.0	340	3.31	0.9	<0.5	7.4	18	0.3	0.2	0.5	16	0.34	0.067	54
REP BK159	QC	0.7	38.7	11.5	97	0.2	63.8	15.1	329	3.27	<0.5	0.5	8.2	17	0.4	0.1	0.4	17	0.32	0.066	54
BK182	Silt	0.3	16.7	7.6	61	0.2	25.2	9.4	348	2.61	2.1	0.5	4.4	20	0.1	0.3	0.2	17	0.37	0.051	29
REP BK182	QC	0.3	16.9	7.7	62	0.2	24.6	9.3	356	2.55	1.8	<0.5	4.8	19	0.2	0.3	0.2	18	0.38	0.052	29
CW004	Soil	0.8	20.4	13.6	51	0.2	16.0	6.7	126	3.49	9.4	<0.5	7.0	2	<0.1	0.6	0.5	24	0.02	0.034	18
REP CW004	QC	0.9	21.1	13.6	52	0.2	16.4	6.5	129	3.40	9.2	1.2	6.8	2	0.1	0.5	0.4	25	0.02	0.032	17
CW025	Soil	0.8	17.8	13.0	53	0.1	18.0	9.6	200	2.79	5.3	1.1	7.1	8	<0.1	0.3	0.6	24	0.13	0.042	24
REP CW025	QC	0.7	17.8	13.2	54	0.1	18.7	10.0	203	2.82	5.8	1.1	7.2	8	<0.1	0.3	0.6	25	0.11	0.041	25

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY

Report Date: October 03, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004368.1

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																	
BE006M	Soil	13	0.45	60	0.036	<1	1.02	0.003	0.22	<0.1	0.01	1.1	0.2	<0.05	3	0.7	<0.2
REP BE006M	QC	14	0.48	65	0.037	1	1.06	0.003	0.23	<0.1	0.02	1.4	0.2	<0.05	3	0.9	<0.2
BK002	Soil	17	0.60	36	0.025	<1	1.18	0.003	0.26	<0.1	<0.01	1.8	0.3	<0.05	3	<0.5	<0.2
REP BK002	QC	16	0.63	38	0.026	<1	1.21	0.003	0.26	<0.1	<0.01	1.9	0.3	<0.05	3	<0.5	<0.2
BK020	Soil	13	0.33	14	0.012	1	0.80	0.002	0.10	<0.1	<0.01	1.4	0.2	<0.05	3	<0.5	<0.2
REP BK020	QC	14	0.35	14	0.013	<1	0.85	0.002	0.10	<0.1	<0.01	1.2	0.2	<0.05	3	<0.5	<0.2
BK044	Soil	20	0.77	37	0.019	<1	1.35	0.003	0.20	<0.1	0.02	2.0	0.3	<0.05	4	<0.5	<0.2
REP BK044	QC	20	0.78	37	0.022	<1	1.38	0.004	0.21	<0.1	0.02	2.0	0.3	<0.05	4	<0.5	<0.2
BK051	Soil	15	0.47	27	0.014	2	0.92	0.003	0.14	<0.1	0.02	1.5	0.2	<0.05	3	<0.5	<0.2
REP BK051	QC	13	0.45	26	0.014	2	0.90	0.003	0.13	<0.1	0.02	1.4	0.2	<0.05	3	<0.5	<0.2
BK082	Soil	17	0.59	36	0.020	<1	1.01	0.003	0.18	<0.1	0.02	3.3	0.3	<0.05	3	<0.5	<0.2
REP BK082	QC	16	0.56	35	0.017	<1	0.98	0.003	0.18	<0.1	0.02	3.2	0.3	<0.05	3	<0.5	<0.2
BK095	Soil	16	0.36	38	0.013	<1	1.09	0.002	0.19	<0.1	0.03	2.0	0.3	<0.05	4	<0.5	<0.2
REP BK095	QC	16	0.36	38	0.012	<1	1.11	0.002	0.18	<0.1	0.03	2.1	0.3	<0.05	4	<0.5	<0.2
BK112	Soil	30	0.77	33	0.051	<1	1.95	0.003	0.28	<0.1	0.04	2.4	0.3	<0.05	5	<0.5	<0.2
REP BK112	QC	28	0.73	32	0.048	<1	1.77	0.003	0.27	<0.1	0.04	2.3	0.3	<0.05	5	<0.5	<0.2
BK133	Soil	19	0.46	33	0.014	<1	1.29	0.003	0.13	0.1	0.03	1.7	0.2	<0.05	5	<0.5	<0.2
REP BK133	QC	19	0.45	33	0.014	<1	1.27	0.003	0.13	<0.1	0.03	1.6	0.2	<0.05	5	<0.5	<0.2
BK153	Soil	23	0.59	31	0.009	<1	1.60	0.003	0.13	<0.1	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
REP BK153	QC	24	0.62	33	0.015	<1	1.65	0.004	0.14	<0.1	0.02	1.9	0.2	0.06	5	<0.5	<0.2
BK159	Moss	20	0.69	38	0.015	2	1.23	0.004	0.11	<0.1	0.03	1.7	0.2	0.05	3	1.5	<0.2
REP BK159	QC	20	0.65	39	0.019	4	1.21	0.004	0.12	<0.1	0.03	1.7	0.2	0.07	3	1.2	<0.2
BK182	Silt	18	0.60	32	0.040	<1	1.05	0.003	0.22	<0.1	0.03	1.6	0.2	<0.05	3	<0.5	<0.2
REP BK182	QC	18	0.62	34	0.039	<1	1.07	0.003	0.23	<0.1	0.02	1.6	0.2	<0.05	3	<0.5	<0.2
CW004	Soil	22	0.55	44	0.059	<1	1.47	0.004	0.26	<0.1	0.02	1.7	0.2	<0.05	4	<0.5	<0.2
REP CW004	QC	23	0.55	45	0.061	<1	1.45	0.004	0.27	<0.1	0.03	1.8	0.2	<0.05	4	<0.5	<0.2
CW025	Soil	22	0.66	44	0.074	<1	1.31	0.003	0.25	<0.1	0.02	1.9	0.3	<0.05	5	<0.5	<0.2
REP CW025	QC	23	0.67	47	0.075	<1	1.32	0.003	0.27	<0.1	0.01	2.0	0.3	<0.05	5	<0.5	<0.2

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY

Report Date: October 03, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004368.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Reference Materials		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	12.7	105.4	123.6	308	1.8	37.1	7.4	606	2.39	23.9	107.4	5.8	61	2.3	5.5	6.0	41	0.68	0.077	14
STD DS8	Standard	13.9	109.0	125.6	311	1.8	38.0	7.3	587	2.46	24.2	111.8	6.4	65	2.3	5.5	6.1	43	0.70	0.079	16
STD DS8	Standard	12.0	106.2	125.8	308	1.7	36.0	7.5	594	2.43	26.3	118.5	6.3	66	2.3	5.0	6.5	39	0.66	0.076	13
STD DS8	Standard	13.9	111.4	116.0	308	1.8	37.8	7.6	629	2.48	25.6	108.9	5.9	61	2.5	5.2	6.0	44	0.70	0.081	14
STD DS8	Standard	10.5	96.8	103.2	285	1.7	33.2	6.7	539	2.21	23.1	104.2	4.7	53	2.1	4.8	5.1	38	0.59	0.074	10
STD DS8	Standard	11.6	117.8	128.4	319	1.8	40.3	8.0	615	2.57	26.5	116.6	6.3	60	2.3	5.4	6.9	44	0.66	0.080	12
STD DS8	Standard	12.6	121.5	130.1	330	1.8	36.9	7.4	594	2.45	26.0	121.7	6.8	75	2.6	6.8	7.7	40	0.68	0.083	15
STD DS8	Standard	13.4	98.6	120.0	309	2.0	36.7	6.5	603	2.39	23.3	106.1	6.1	68	2.5	5.2	6.6	38	0.64	0.075	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 03, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004368.1

		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
		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
Reference Materials																	
STD DS8	Standard	115	0.57	262	0.109	2	0.84	0.082	0.40	3.1	0.20	1.9	5.5	0.14	5	5.2	4.8
STD DS8	Standard	115	0.62	276	0.119	2	0.92	0.084	0.40	3.2	0.22	2.1	5.6	0.18	5	5.4	5.0
STD DS8	Standard	108	0.62	252	0.101	2	0.91	0.098	0.41	2.8	0.19	2.1	5.4	0.15	5	5.2	4.7
STD DS8	Standard	119	0.62	277	0.112	3	0.94	0.108	0.43	3.1	0.21	2.6	5.6	0.18	5	5.7	5.0
STD DS8	Standard	101	0.55	244	0.089	2	0.79	0.087	0.39	2.7	0.18	2.1	4.8	0.14	4	5.3	4.5
STD DS8	Standard	123	0.61	269	0.110	3	0.85	0.084	0.42	3.1	0.19	2.1	5.6	0.15	5	5.1	5.1
STD DS8	Standard	113	0.61	272	0.128	3	0.89	0.092	0.42	3.2	0.22	2.6	5.4	0.15	5	5.5	4.8
STD DS8	Standard	112	0.59	269	0.104	3	0.88	0.083	0.42	2.8	0.22	1.9	5.5	0.16	5	5.4	4.7
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Brocade Metals Corp.**
620 - 1100 Melville St.
Vancouver BC V6E 4S3 Canada

Submitted By: Bob Lane
Receiving Lab: Canada-Vancouver
Received: August 31, 2011
Report Date: November 05, 2011
Page: 1 of 5

CERTIFICATE OF ANALYSIS

VAN11004564.1

CLIENT JOB INFORMATION

Project: RUBY
Shipment ID: RU-1
P.O. Number
Number of Samples: 101

SAMPLE DISPOSAL

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

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

Invoice To: Brocade Metals Corp.
620 - 1100 Melville St.
Vancouver BC V6E 4S3
Canada

CC: Ken MacDonald

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	101	Dry at 60C			VAN
SS80	100	Dry at 60C sieve 100g to -80 mesh			VAN
RJSV	100	Saving all or part of Soil Reject			VAN
1DX2	101	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.



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: November 05, 2011

Page: 2 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN11004564.1

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	0.1	2	0.01	0.001	1
CW029	Soil			0.7	16.1	11.2	63	0.3	19.2	11.6	252	2.49	4.2	2.0	7.4	9	0.2	0.4	0.5	20	0.17	0.066	30	
CW030	Soil			1.2	24.9	24.4	73	0.3	23.4	16.8	367	3.03	11.5	2.2	8.9	12	0.2	0.7	0.7	19	0.25	0.064	29	
CW031	Soil			0.8	21.1	13.3	74	0.3	20.9	9.7	271	2.84	4.5	2.9	7.3	14	0.1	0.3	0.6	25	0.25	0.048	33	
CW032	Soil			0.7	20.9	14.9	44	0.1	16.9	6.7	109	2.47	6.3	1.9	8.0	3	<0.1	0.7	0.5	19	0.04	0.030	23	
CW033	Soil			0.8	21.5	11.9	51	0.2	18.1	13.3	313	2.52	5.6	1.6	8.0	9	<0.1	0.5	0.4	22	0.13	0.045	29	
CW034	Soil			0.5	8.5	7.7	20	0.2	7.6	2.8	56	1.05	2.2	1.0	2.3	6	<0.1	0.2	0.3	14	0.07	0.023	21	
CW035	Soil			0.6	12.0	11.4	40	<0.1	12.6	5.1	98	2.46	6.0	7.2	5.5	6	<0.1	0.6	0.4	19	0.07	0.029	19	
CW036	Soil			0.9	24.1	13.0	62	0.2	22.0	21.2	527	3.86	7.9	2.6	11.4	9	0.2	0.5	0.4	21	0.12	0.048	41	
CW037	Soil			0.7	20.3	16.9	56	1.0	17.9	7.0	186	2.53	5.6	1.4	2.9	12	0.1	0.7	0.6	25	0.18	0.063	28	
CW038	Soil			1.7	33.7	31.1	70	0.2	16.5	7.4	217	5.15	8.0	0.8	14.0	10	<0.1	1.0	0.9	30	<0.01	0.052	34	
CW039	Soil			1.0	21.5	9.9	37	0.3	10.1	5.7	109	1.83	3.0	1.5	3.4	3	<0.1	0.4	0.5	30	0.02	0.030	30	
CW040	Soil			0.3	2.0	8.0	7	0.2	1.3	0.6	23	0.36	<0.5	0.9	0.2	4	<0.1	0.1	0.3	10	0.01	0.014	23	
CW041	Soil			1.1	17.1	11.0	36	0.1	12.7	5.4	104	2.86	4.0	1.7	7.1	2	<0.1	0.6	0.5	42	<0.01	0.033	22	
CW042	Soil			1.1	12.4	11.3	43	0.3	12.0	5.5	137	2.49	3.9	1.4	3.9	4	<0.1	0.3	0.5	23	0.07	0.041	20	
CW043	Soil			1.0	14.3	9.5	36	0.4	11.0	4.9	135	2.59	5.6	1.4	3.7	3	<0.1	0.5	0.5	39	0.02	0.040	23	
CW044	Soil			0.9	9.4	7.5	22	0.2	7.9	3.5	90	1.86	3.7	1.9	1.6	3	<0.1	0.5	0.4	36	0.02	0.032	24	
CW045	Soil			0.8	12.2	10.1	42	0.2	14.5	5.8	114	2.56	6.3	<0.5	4.6	5	<0.1	0.5	0.5	28	0.07	0.038	22	
CW046	Soil			0.5	10.2	11.3	37	0.1	14.5	5.3	110	2.04	1.7	0.8	5.3	4	<0.1	0.2	0.3	26	0.04	0.021	27	
CW047	Soil			0.7	25.1	17.9	116	0.6	42.0	28.4	1399	3.63	2.9	0.6	7.1	20	0.5	0.3	0.7	31	0.30	0.064	37	
CW048	Soil			1.1	25.5	17.0	71	0.3	26.2	33.6	903	3.91	9.4	0.8	7.6	10	<0.1	0.6	0.9	29	0.12	0.042	31	
CW049	Soil			0.9	21.7	13.7	56	0.1	17.8	7.4	145	3.65	10.5	1.8	8.0	3	<0.1	0.6	0.5	27	0.04	0.036	25	
CW050	Soil			1.1	17.9	11.5	50	<0.1	11.5	5.2	134	3.79	12.8	1.0	8.7	2	<0.1	0.5	0.5	27	<0.01	0.028	26	
CW051	Soil			1.6	21.9	15.1	63	0.2	16.5	7.6	204	4.72	29.0	1.5	9.7	3	<0.1	0.8	0.7	33	0.02	0.035	27	
CW052	Soil			1.6	26.9	11.6	45	0.3	15.1	5.6	128	4.65	8.0	<0.5	8.1	4	0.1	0.8	0.6	31	0.03	0.043	38	
CW053	Soil			1.0	20.5	12.3	77	0.3	23.5	13.3	694	3.70	6.1	0.8	7.5	8	0.1	0.6	0.5	34	0.09	0.047	37	
CW054	Soil			1.4	15.0	11.0	90	0.4	29.4	12.5	299	2.88	7.1	1.1	7.2	32	0.1	0.3	0.3	24	0.55	0.069	28	
CW055	Soil			1.8	29.0	14.5	81	0.5	35.1	14.1	520	3.31	10.5	1.8	11.1	29	0.3	0.4	0.4	28	0.54	0.071	77	
CW056	Soil			2.7	15.3	11.7	51	0.1	17.0	8.3	189	2.42	4.8	0.7	6.9	18	0.2	0.4	0.3	25	0.22	0.041	24	
CW057	Soil			1.9	15.8	7.8	56	<0.1	19.7	10.2	193	2.61	2.8	1.0	7.5	13	<0.1	0.2	0.2	27	0.18	0.046	25	
CW058	Soil			1.2	9.8	6.8	22	0.1	7.4	3.1	86	1.19	1.6	<0.5	2.1	5	<0.1	0.3	0.2	19	0.03	0.024	25	

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: November 05, 2011

Page: 2 of 5 Part 2

CERTIFICATE OF ANALYSIS

VAN11004564.1

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	
CW029	Soil	18	0.51	52	0.052	1	1.14	0.003	0.23	0.1	0.02	1.6	0.2	<0.05	4	<0.5	<0.2
CW030	Soil	19	0.53	48	0.046	1	1.08	0.004	0.22	0.2	0.02	1.6	0.2	<0.05	3	<0.5	<0.2
CW031	Soil	21	0.61	64	0.063	2	1.35	0.004	0.30	0.1	0.02	2.0	0.3	<0.05	4	<0.5	<0.2
CW032	Soil	18	0.47	30	0.044	<1	1.14	0.003	0.17	<0.1	0.01	1.3	0.2	<0.05	3	<0.5	<0.2
CW033	Soil	18	0.55	61	0.061	1	1.17	0.004	0.25	0.1	<0.01	1.7	0.3	<0.05	4	<0.5	<0.2
CW034	Soil	10	0.25	32	0.025	<1	0.61	0.003	0.12	<0.1	0.02	0.7	0.1	<0.05	3	<0.5	<0.2
CW035	Soil	16	0.44	29	0.043	<1	1.01	0.003	0.16	<0.1	0.02	1.3	0.2	<0.05	3	<0.5	<0.2
CW036	Soil	19	0.49	50	0.049	1	1.20	0.004	0.20	<0.1	0.02	2.1	0.2	<0.05	3	<0.5	<0.2
CW037	Soil	20	0.49	55	0.040	<1	1.18	0.005	0.23	<0.1	0.04	1.3	0.2	<0.05	4	<0.5	<0.2
CW038	Soil	16	0.44	59	0.079	<1	1.16	0.006	0.20	<0.1	0.01	1.5	0.3	0.10	5	<0.5	<0.2
CW039	Soil	9	0.20	38	0.023	<1	0.77	0.003	0.09	<0.1	0.02	1.0	0.1	<0.05	5	<0.5	<0.2
CW040	Soil	4	0.09	20	0.010	<1	0.47	0.002	0.05	<0.1	0.01	0.2	0.1	<0.05	5	<0.5	<0.2
CW041	Soil	9	0.16	16	0.057	<1	0.71	0.002	0.06	<0.1	<0.01	0.9	0.1	<0.05	5	<0.5	<0.2
CW042	Soil	19	0.52	40	0.055	<1	1.12	0.004	0.19	0.2	0.01	1.3	0.2	<0.05	4	<0.5	<0.2
CW043	Soil	17	0.43	38	0.055	<1	1.11	0.003	0.17	<0.1	<0.01	1.3	0.2	<0.05	6	<0.5	<0.2
CW044	Soil	10	0.18	22	0.030	<1	0.67	0.003	0.10	<0.1	<0.01	0.7	0.1	<0.05	6	<0.5	<0.2
CW045	Soil	22	0.65	45	0.068	1	1.38	0.004	0.28	<0.1	0.02	1.7	0.3	<0.05	4	<0.5	<0.2
CW046	Soil	32	0.57	34	0.066	<1	1.24	0.004	0.22	<0.1	0.01	1.6	0.2	<0.05	5	<0.5	<0.2
CW047	Soil	26	0.70	116	0.042	<1	1.77	0.005	0.37	<0.1	0.03	2.5	0.3	<0.05	6	0.6	<0.2
CW048	Soil	25	0.71	65	0.070	<1	1.57	0.005	0.36	<0.1	0.03	2.1	0.3	<0.05	5	<0.5	<0.2
CW049	Soil	26	0.70	41	0.070	<1	1.60	0.004	0.30	<0.1	0.01	1.9	0.3	<0.05	5	<0.5	<0.2
CW050	Soil	20	0.55	44	0.063	<1	1.27	0.003	0.24	<0.1	0.02	1.6	0.2	<0.05	4	<0.5	<0.2
CW051	Soil	23	0.66	38	0.059	<1	1.63	0.003	0.23	<0.1	0.03	1.8	0.2	<0.05	6	<0.5	<0.2
CW052	Soil	14	0.31	31	0.030	<1	1.06	0.002	0.15	<0.1	0.02	1.2	0.2	<0.05	5	<0.5	<0.2
CW053	Soil	32	0.78	79	0.067	<1	1.90	0.005	0.37	<0.1	0.02	2.5	0.4	<0.05	6	<0.5	<0.2
CW054	Soil	25	0.69	62	0.076	1	1.49	0.005	0.31	<0.1	0.02	2.3	0.3	<0.05	4	0.6	<0.2
CW055	Soil	29	0.69	69	0.065	1	1.77	0.005	0.40	<0.1	0.03	3.1	0.3	<0.05	5	0.8	<0.2
CW056	Soil	21	0.55	46	0.059	<1	1.26	0.005	0.20	<0.1	<0.01	1.7	0.2	<0.05	4	<0.5	<0.2
CW057	Soil	26	0.82	56	0.099	<1	1.52	0.004	0.37	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
CW058	Soil	10	0.19	37	0.015	<1	0.81	0.004	0.09	<0.1	0.01	0.9	0.1	<0.05	4	<0.5	<0.2

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: November 05, 2011

Page: 3 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN11004564.1

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
CW059	Soil			0.2	1.6	6.2	6	<0.1	1.5	0.6	18	0.20	<0.5	<0.5	1.6	3	0.1	<0.1	0.1	5	0.01	0.009	28
CW060	Soil			1.0	12.0	8.4	41	0.1	15.4	6.8	158	2.06	2.8	<0.5	6.6	14	<0.1	0.3	0.3	28	0.16	0.021	32
CW061	Soil			0.5	5.5	6.5	23	<0.1	8.8	3.6	62	1.17	1.9	<0.5	5.4	6	<0.1	0.3	0.2	20	0.04	0.014	29
CW062	Soil			0.7	20.0	9.5	67	0.2	25.8	10.0	173	3.99	10.2	0.7	12.0	4	<0.1	1.0	0.3	32	0.01	0.047	45
CW063	Soil			0.4	3.6	8.2	14	0.2	4.1	1.7	50	0.72	1.1	<0.5	3.5	6	<0.1	0.2	0.3	22	0.03	0.019	26
CW064	Soil			2.0	16.7	15.4	49	0.2	17.6	7.5	195	2.74	3.7	<0.5	5.8	7	<0.1	0.4	0.3	38	0.04	0.027	24
CW065	Soil			0.6	5.4	6.5	19	0.2	7.1	2.9	69	1.00	1.9	<0.5	2.4	4	<0.1	0.2	0.3	26	0.02	0.017	24
CW066	Soil			0.8	38.7	12.2	70	0.5	30.6	12.5	237	3.47	5.4	3.7	16.4	14	<0.1	0.5	0.5	37	0.09	0.055	78
CW067	Soil			0.9	22.0	12.1	48	0.1	16.6	6.6	165	4.61	2.4	<0.5	11.8	4	<0.1	0.4	0.6	59	0.02	0.076	31
CW068	Soil			0.7	23.2	11.1	49	0.1	20.3	7.7	132	4.47	4.0	1.1	10.4	3	<0.1	0.5	0.5	51	0.02	0.065	26
CW069	Soil			0.9	53.8	14.7	93	0.4	48.7	19.3	946	4.01	7.4	0.9	13.4	23	0.1	0.9	0.5	34	0.29	0.055	65
CW070	Soil			0.8	35.2	10.7	77	1.2	34.1	11.9	460	3.26	7.7	0.5	4.2	67	0.2	0.8	0.4	30	0.80	0.081	84
CW071	Soil			0.6	4.4	6.7	17	0.3	4.9	2.0	48	0.90	2.1	<0.5	7.7	5	<0.1	0.3	0.2	19	0.02	0.025	29
CW072	Soil			0.5	7.3	12.1	35	1.3	12.7	4.7	83	2.21	7.9	0.5	8.2	5	<0.1	0.6	0.4	32	0.04	0.032	30
CW073	Soil			1.4	16.6	9.6	39	0.2	13.3	5.6	172	2.36	6.2	1.5	4.5	10	<0.1	0.8	0.4	53	0.05	0.038	20
CW074	Soil			0.6	22.2	10.6	68	1.0	27.7	13.2	497	3.30	22.0	2.2	3.8	51	<0.1	1.5	0.3	21	0.81	0.071	31
CW075	Soil			1.0	43.0	12.4	90	0.2	38.2	13.1	258	7.01	22.6	<0.5	6.6	2	<0.1	2.0	0.6	24	0.01	0.142	19
CW076	Soil			0.4	15.5	9.4	44	0.1	18.6	6.5	135	2.69	6.8	<0.5	8.4	5	<0.1	1.0	0.4	37	0.04	0.065	29
CW077	Soil			0.7	16.6	11.0	49	0.3	19.0	7.7	283	5.83	6.3	1.6	7.1	8	<0.1	0.8	0.5	56	0.05	0.161	22
CW078	Soil			0.6	28.3	15.4	70	0.4	24.3	8.8	283	5.82	20.8	<0.5	11.6	4	0.1	2.2	0.5	49	0.02	0.158	28
CW079	Soil			0.1	4.1	11.1	24	0.5	10.3	3.4	54	1.37	1.2	<0.5	8.4	5	<0.1	0.2	0.3	20	0.03	0.024	34
CW080	Soil			0.4	21.0	9.5	69	<0.1	33.5	11.2	161	4.82	4.5	<0.5	12.8	3	<0.1	0.8	0.3	26	0.01	0.057	33
CW081	Soil			0.4	14.3	10.2	51	0.3	17.2	6.2	97	2.76	6.1	0.5	10.9	5	<0.1	0.8	0.2	21	0.03	0.056	28
CW082	Soil			0.6	25.6	18.7	54	0.4	26.6	8.9	198	4.19	21.3	0.6	11.3	5	<0.1	3.0	0.3	22	0.03	0.090	27
CW083	Soil			0.4	23.5	7.7	62	<0.1	30.4	11.2	138	4.12	4.2	<0.5	12.9	5	<0.1	0.4	0.2	32	0.03	0.073	37
CW084	Soil			0.6	12.0	9.1	63	0.1	21.4	9.0	179	4.63	5.5	<0.5	8.7	8	<0.1	0.3	0.3	41	0.05	0.086	28
CW085	Soil			0.5	21.3	11.5	59	0.5	30.4	10.8	181	4.32	11.1	<0.5	11.3	6	<0.1	1.0	0.3	35	0.02	0.054	31
CW086	Soil			1.7	48.9	16.2	106	0.4	68.2	21.4	694	4.21	19.6	9.0	18.9	18	0.2	1.5	0.4	21	0.29	0.070	54
CW087	Soil			0.6	34.8	21.8	76	0.5	45.2	16.1	428	3.82	30.8	3.2	13.0	19	0.3	3.3	0.3	7	0.22	0.042	33
CW088	Soil			0.7	15.7	8.6	50	0.2	28.3	8.4	132	3.48	12.9	1.7	9.6	5	<0.1	0.8	0.3	28	0.02	0.039	32

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

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Client: **Brocade Metals Corp.**
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Page: 3 of 5 Part 2

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				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		
				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	
CW059	Soil			4	0.06	15	0.009	<1	0.47	0.004	0.04	<0.1	<0.01	0.3	0.1	<0.05	4	<0.5	<0.2
CW060	Soil			23	0.58	46	0.075	<1	1.19	0.005	0.26	<0.1	<0.01	1.9	0.2	<0.05	5	<0.5	<0.2
CW061	Soil			14	0.32	30	0.036	<1	0.90	0.004	0.15	<0.1	<0.01	1.0	0.2	<0.05	5	<0.5	<0.2
CW062	Soil			22	0.37	27	0.046	<1	1.16	0.003	0.18	<0.1	<0.01	1.8	0.2	<0.05	5	<0.5	<0.2
CW063	Soil			8	0.14	19	0.038	<1	0.69	0.004	0.07	<0.1	<0.01	0.8	0.1	<0.05	5	<0.5	<0.2
CW064	Soil			25	0.44	38	0.052	<1	1.45	0.005	0.17	<0.1	<0.01	1.8	0.2	<0.05	6	<0.5	<0.2
CW065	Soil			11	0.31	23	0.039	5	0.81	0.004	0.16	<0.1	0.02	1.0	0.2	<0.05	5	<0.5	<0.2
CW066	Soil			29	0.91	80	0.099	5	1.76	0.006	0.51	<0.1	0.04	3.9	0.3	<0.05	6	<0.5	<0.2
CW067	Soil			22	0.43	31	0.141	4	1.28	0.004	0.16	<0.1	0.02	1.6	0.2	0.05	9	<0.5	<0.2
CW068	Soil			24	0.61	30	0.133	6	1.45	0.004	0.19	<0.1	0.02	1.8	0.2	<0.05	8	<0.5	<0.2
CW069	Soil			34	0.92	112	0.069	4	2.13	0.006	0.41	<0.1	0.02	4.2	0.4	<0.05	6	0.9	<0.2
CW070	Soil			25	0.84	91	0.044	5	1.58	0.006	0.35	<0.1	0.04	2.7	0.3	0.10	5	1.3	<0.2
CW071	Soil			7	0.18	28	0.017	2	1.12	0.004	0.08	<0.1	0.03	0.8	0.2	0.06	5	<0.5	<0.2
CW072	Soil			20	0.50	34	0.028	3	1.43	0.004	0.18	<0.1	0.04	1.6	0.2	<0.05	5	<0.5	<0.2
CW073	Soil			14	0.27	27	0.054	2	0.91	0.005	0.08	0.2	0.02	1.3	0.1	<0.05	6	<0.5	<0.2
CW074	Soil			18	0.49	35	0.026	3	0.95	0.004	0.22	<0.1	0.04	2.2	0.2	0.07	3	1.2	<0.2
CW075	Soil			24	0.37	24	0.052	2	1.24	0.003	0.18	<0.1	0.02	2.5	0.3	<0.05	4	<0.5	<0.2
CW076	Soil			14	0.35	22	0.059	4	0.98	0.003	0.13	0.1	0.01	1.6	0.2	<0.05	6	<0.5	<0.2
CW077	Soil			31	0.49	29	0.103	3	1.45	0.005	0.18	0.2	0.03	1.9	0.2	<0.05	7	<0.5	<0.2
CW078	Soil			21	0.34	30	0.088	5	1.21	0.003	0.15	0.1	0.03	1.8	0.3	<0.05	8	0.6	<0.2
CW079	Soil			15	0.33	26	0.033	2	1.16	0.003	0.14	<0.1	0.04	1.2	0.2	<0.05	6	<0.5	<0.2
CW080	Soil			36	0.83	43	0.080	3	1.97	0.004	0.35	<0.1	0.02	2.5	0.4	<0.05	6	<0.5	<0.2
CW081	Soil			21	0.47	32	0.023	3	1.60	0.004	0.17	<0.1	0.05	1.7	0.2	<0.05	4	<0.5	<0.2
CW082	Soil			19	0.38	29	0.015	4	1.37	0.003	0.15	<0.1	0.04	1.8	0.2	<0.05	5	<0.5	<0.2
CW083	Soil			28	0.73	31	0.090	3	1.65	0.004	0.30	<0.1	0.02	2.2	0.3	<0.05	6	<0.5	<0.2
CW084	Soil			28	0.60	34	0.092	4	1.61	0.005	0.19	0.1	0.02	1.9	0.2	<0.05	7	<0.5	<0.2
CW085	Soil			26	0.56	36	0.069	2	1.54	0.003	0.22	<0.1	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
CW086	Soil			19	0.97	58	0.047	1	1.37	0.005	0.36	<0.1	0.02	2.9	0.3	<0.05	4	1.0	<0.2
CW087	Soil			10	0.31	24	0.005	3	1.04	0.003	0.10	<0.1	0.02	1.5	0.2	<0.05	2	1.0	<0.2
CW088	Soil			20	0.52	31	0.027	1	1.39	0.003	0.18	<0.1	0.02	1.7	0.3	<0.05	4	<0.5	<0.2



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

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 Vancouver BC V6E 4S3 Canada

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 Report Date: November 05, 2011

Page: 4 of 5 Part 1

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VAN11004564.1

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	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
CW089	Soil		1.5	35.7	14.1	95	0.3	98.4	23.0	342	5.02	36.6	2.1	16.0	4	<0.1	4.4	0.3	12	0.01	0.066	49
CW090	Soil		1.0	34.5	7.4	49	<0.1	24.5	7.8	87	4.05	1.2	1.1	16.1	8	<0.1	0.3	0.3	22	0.01	0.042	42
CW091	Soil		1.5	45.7	6.2	59	<0.1	25.8	7.3	96	4.34	1.3	1.7	16.1	16	<0.1	0.2	0.3	23	0.01	0.052	49
CW092	Soil		1.8	32.2	12.2	34	<0.1	7.8	2.6	37	3.77	<0.5	<0.5	17.5	9	<0.1	<0.1	0.4	29	0.01	0.055	53
CW093	Soil		0.9	36.5	8.2	48	<0.1	13.1	4.3	117	4.94	<0.5	<0.5	22.8	18	<0.1	<0.1	0.4	32	0.02	0.084	75
CW094	Soil		1.0	19.2	6.9	45	<0.1	32.4	9.3	101	4.29	5.2	0.9	12.0	4	<0.1	1.1	0.2	23	0.01	0.084	40
CW095	Soil		1.3	32.5	25.7	75	0.2	16.2	8.7	214	3.86	8.9	<0.5	10.4	9	0.2	0.9	0.7	24	0.06	0.048	39
CW096	Soil		1.8	23.2	22.1	96	0.3	18.7	12.4	536	4.28	9.3	1.6	2.4	8	<0.1	0.7	1.1	43	0.07	0.053	25
CW097	Soil		1.6	46.0	29.6	89	0.6	26.4	17.4	471	4.68	10.2	3.3	9.6	8	0.2	3.0	0.8	19	0.07	0.067	35
CW098	Soil		0.7	21.5	12.6	105	0.5	29.9	6.7	516	2.37	4.3	<0.5	5.1	6	0.2	0.5	0.5	16	0.11	0.054	34
CW099	Soil		1.2	38.5	18.2	139	0.7	35.6	10.8	603	3.64	10.5	2.7	7.4	16	0.2	0.8	0.7	22	0.27	0.065	43
CW100	Soil		1.1	25.3	16.9	98	0.2	23.9	10.8	534	3.45	10.6	2.3	7.8	7	0.2	0.8	0.6	21	0.13	0.059	32
CW101	Soil		1.5	36.4	22.5	111	0.2	62.1	16.7	1594	4.04	8.5	1.0	12.0	14	0.4	0.8	0.6	25	0.18	0.047	52
CW102	Soil		1.2	34.0	26.5	82	0.5	27.7	12.0	345	5.26	13.6	1.5	10.5	5	0.1	1.1	0.7	32	0.05	0.054	24
CW103	Soil		1.3	17.2	20.5	70	0.1	17.3	7.9	218	3.79	10.8	0.8	6.1	4	0.1	0.5	0.7	35	0.06	0.054	20
CW104	Soil		1.6	25.3	24.0	79	0.1	21.0	12.5	498	3.88	10.0	1.4	5.7	19	0.2	0.7	0.7	34	0.27	0.045	31
CW105	Soil		1.4	22.5	19.1	63	0.4	17.0	6.7	192	3.83	10.8	1.2	4.5	5	0.2	0.7	0.7	35	0.03	0.052	20
CW106	Soil		1.2	28.7	21.2	73	0.3	24.1	9.3	273	3.45	10.5	2.2	7.5	8	0.2	0.6	0.7	26	0.15	0.053	30
CW107	Soil		0.8	29.6	20.8	102	0.6	29.8	11.7	378	3.39	12.1	2.6	8.2	14	0.2	0.5	0.6	27	0.27	0.061	32
CW108	Soil		0.8	25.2	16.5	102	0.4	28.1	11.5	318	3.10	5.4	1.5	13.5	5	0.3	0.4	0.5	24	0.12	0.066	27
CW109	Soil		1.7	20.2	22.5	151	0.5	22.0	13.1	401	4.19	18.5	1.5	6.6	5	0.3	0.4	0.5	27	0.11	0.065	26
CW110	Soil		1.9	36.7	37.9	153	0.9	30.3	16.3	467	3.85	11.2	1.8	6.3	8	0.7	0.6	0.9	32	0.10	0.062	46
CW111	Soil		1.5	18.7	19.2	57	0.2	13.5	5.4	156	3.45	9.7	0.6	5.3	3	0.1	0.5	0.4	24	0.05	0.049	16
CW112	Soil		1.1	22.2	23.5	106	0.4	18.8	9.2	371	3.49	6.7	0.8	5.4	9	0.3	0.3	0.7	27	0.17	0.069	28
CW113	Soil		1.1	29.0	31.1	108	0.7	26.7	27.2	728	3.36	6.9	0.6	6.2	10	0.3	0.3	0.7	26	0.21	0.069	42
CW114	Soil		1.2	23.7	17.9	86	0.1	18.9	10.3	270	3.58	7.4	1.0	9.0	8	0.2	0.5	0.7	26	0.17	0.052	22
CW115	Soil		1.0	22.5	22.2	72	0.4	13.8	11.9	359	3.05	5.5	2.4	5.4	6	0.2	0.3	0.5	25	0.09	0.050	31
CW116	Soil		0.9	11.8	19.4	49	0.1	9.2	4.3	127	2.66	5.9	<0.5	5.7	3	<0.1	0.3	0.5	28	0.04	0.041	19
CW117	Soil		0.9	11.6	19.1	64	0.4	11.4	5.2	149	2.43	4.6	1.0	4.3	6	0.4	0.3	0.5	26	0.10	0.046	20
CW118	Soil		1.1	18.3	25.6	73	0.6	14.2	10.5	269	2.88	6.0	2.3	6.3	5	0.2	0.4	0.5	23	0.09	0.052	24

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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: Brocade Metals Corp.
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

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Report Date: November 05, 2011

Page: 4 of 5 Part 2

CERTIFICATE OF ANALYSIS

VAN11004564.1

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	
CW089	Soil	11	0.18	30	0.007	3	0.75	0.002	0.10	<0.1	<0.01	3.7	0.2	<0.05	2	<0.5	<0.2
CW090	Soil	29	0.80	52	0.070	<1	1.69	0.011	0.43	<0.1	0.02	2.4	0.4	<0.05	5	<0.5	<0.2
CW091	Soil	27	0.75	63	0.063	2	1.64	0.009	0.46	<0.1	0.01	2.8	0.5	<0.05	4	<0.5	<0.2
CW092	Soil	30	0.72	67	0.063	1	1.57	0.011	0.41	<0.1	0.01	2.7	0.3	<0.05	5	0.7	<0.2
CW093	Soil	31	0.85	96	0.106	2	1.85	0.020	0.52	<0.1	<0.01	3.1	0.5	0.17	7	0.6	<0.2
CW094	Soil	21	0.34	26	0.039	<1	0.95	0.004	0.18	<0.1	0.02	1.6	0.3	<0.05	4	<0.5	<0.2
CW095	Soil	16	0.61	62	0.078	<1	1.18	0.005	0.24	<0.1	0.02	1.4	0.2	0.06	4	1.2	<0.2
CW096	Soil	22	0.64	58	0.057	<1	1.53	0.005	0.19	0.2	0.01	1.5	0.3	<0.05	7	<0.5	<0.2
CW097	Soil	16	0.66	77	0.065	<1	1.19	0.005	0.28	0.1	0.02	1.8	0.5	0.11	4	1.7	<0.2
CW098	Soil	18	0.58	55	0.046	<1	1.22	0.004	0.16	0.1	0.03	1.6	0.2	<0.05	4	0.9	<0.2
CW099	Soil	22	0.77	77	0.055	1	1.56	0.005	0.22	0.2	0.04	2.3	0.3	<0.05	5	1.4	<0.2
CW100	Soil	19	0.68	46	0.054	<1	1.32	0.004	0.16	0.3	0.02	1.7	0.3	<0.05	4	1.7	<0.2
CW101	Soil	28	0.83	80	0.071	1	1.66	0.005	0.29	0.2	0.04	2.9	0.4	<0.05	5	1.4	<0.2
CW102	Soil	28	0.73	49	0.053	2	1.85	0.004	0.26	0.1	0.04	2.4	0.3	<0.05	5	<0.5	<0.2
CW103	Soil	28	0.68	43	0.087	<1	1.41	0.003	0.16	0.2	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
CW104	Soil	21	0.61	109	0.054	1	1.45	0.004	0.17	0.3	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
CW105	Soil	20	0.39	45	0.051	<1	1.29	0.003	0.16	0.2	0.03	1.4	0.2	<0.05	6	<0.5	<0.2
CW106	Soil	25	0.71	65	0.055	1	1.48	0.004	0.26	0.4	0.03	2.0	0.3	<0.05	5	<0.5	<0.2
CW107	Soil	24	0.74	76	0.060	1	1.46	0.004	0.26	0.2	0.02	2.1	0.3	<0.05	5	0.6	<0.2
CW108	Soil	25	0.75	59	0.064	<1	1.56	0.003	0.22	0.3	0.02	2.1	0.3	<0.05	4	<0.5	<0.2
CW109	Soil	30	0.67	51	0.054	1	1.57	0.003	0.18	0.6	0.03	1.9	0.2	<0.05	5	<0.5	<0.2
CW110	Soil	29	0.71	118	0.042	2	1.86	0.004	0.27	0.4	0.05	2.4	0.3	<0.05	6	1.4	<0.2
CW111	Soil	22	0.54	32	0.051	1	1.21	0.003	0.16	0.4	0.02	1.4	0.2	<0.05	4	<0.5	<0.2
CW112	Soil	21	0.57	91	0.051	1	1.37	0.004	0.19	0.2	0.03	1.8	0.2	<0.05	5	<0.5	<0.2
CW113	Soil	19	0.67	79	0.061	1	1.49	0.003	0.24	0.2	0.04	1.9	0.3	<0.05	5	0.6	<0.2
CW114	Soil	21	0.74	84	0.078	<1	1.39	0.003	0.27	0.2	0.01	1.9	0.2	<0.05	5	0.5	<0.2
CW115	Soil	20	0.55	95	0.054	1	1.34	0.004	0.19	0.1	0.03	1.8	0.2	<0.05	5	<0.5	<0.2
CW116	Soil	19	0.54	50	0.080	<1	1.20	0.003	0.20	0.1	0.02	1.4	0.2	<0.05	5	<0.5	<0.2
CW117	Soil	21	0.53	63	0.065	1	1.19	0.004	0.20	0.1	0.03	1.5	0.2	<0.05	5	<0.5	<0.2
CW118	Soil	20	0.57	59	0.058	1	1.32	0.003	0.25	0.2	0.02	1.6	0.2	<0.05	4	<0.5	<0.2

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

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 Vancouver BC V6E 4S3 Canada

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 Report Date: November 05, 2011

Page: 5 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN11004564.1

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	0.1	2	0.01	0.001	1
CW119	Soil	1.4	13.4	13.4	46	0.1	11.4	5.3	154	2.90	4.5	0.8	5.8	3	<0.1	0.3	0.5	24	0.06	0.039	19
CW120	Soil	1.1	16.1	20.0	54	0.3	11.8	5.7	133	2.73	6.5	0.8	4.5	3	<0.1	0.4	0.4	22	0.05	0.038	22
CW121	Soil	0.8	11.9	24.9	65	0.6	11.0	6.3	94	1.93	5.1	2.3	3.7	6	0.2	0.2	0.4	17	0.09	0.045	25
CW122	Soil	1.1	18.2	21.9	63	0.4	12.7	5.8	212	2.81	9.1	3.8	6.0	4	0.1	0.4	0.4	21	0.09	0.051	20
CW123	Soil	1.3	20.2	23.5	60	0.1	15.7	6.3	172	4.13	9.7	0.9	8.7	5	<0.1	0.8	0.6	41	0.03	0.039	22
CW124	Soil	0.6	15.1	23.1	65	0.5	12.2	8.3	181	2.04	4.0	1.0	3.8	6	0.2	0.5	0.4	21	0.10	0.048	25
CW125	Soil	0.5	9.7	24.7	50	0.2	8.4	5.2	156	1.89	3.8	4.2	2.6	7	0.1	0.3	0.4	21	0.08	0.046	24
CW126	Soil	0.7	12.9	19.2	42	0.4	8.1	3.4	92	2.16	5.9	<0.5	4.8	2	0.2	0.4	0.3	12	0.04	0.030	14
CW127	Soil	0.5	15.7	19.3	63	0.6	18.3	7.2	992	2.23	16.7	0.6	5.4	26	0.3	0.5	0.3	15	0.30	0.061	30
CW128	Soil	0.8	13.6	32.8	74	0.5	15.1	10.1	245	3.10	5.2	1.1	3.5	5	0.1	0.4	0.4	24	0.05	0.042	29
CW129	Rock Pulp	57.7	7222	13.2	59	2.8	24.9	8.6	376	2.88	10.7	622.7	0.9	35	0.6	5.5	0.9	52	0.68	0.050	3



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

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 Vancouver BC V6E 4S3 Canada

Project: RUBY
Report Date: November 05, 2011

Page: 5 of 5 Part 2

CERTIFICATE OF ANALYSIS

VAN11004564.1

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	0.1	0.05	1	0.5	0.2
CW119	Soil	19	0.65	36	0.072	<1	1.30	0.003	0.20	0.2	0.02	1.6	0.2	<0.05	5	<0.5	<0.2
CW120	Soil	19	0.53	49	0.052	1	1.20	0.003	0.21	0.2	0.03	1.4	0.2	<0.05	4	<0.5	<0.2
CW121	Soil	14	0.44	102	0.048	<1	0.97	0.002	0.17	0.2	0.03	1.2	0.2	<0.05	3	<0.5	<0.2
CW122	Soil	19	0.63	51	0.067	<1	1.15	0.003	0.25	0.1	0.03	1.5	0.2	<0.05	4	<0.5	<0.2
CW123	Soil	22	0.50	55	0.063	1	1.57	0.003	0.19	0.1	0.02	1.8	0.2	<0.05	7	<0.5	<0.2
CW124	Soil	18	0.47	83	0.053	<1	1.05	0.003	0.18	0.1	0.02	1.3	0.1	<0.05	4	<0.5	<0.2
CW125	Soil	16	0.42	62	0.047	3	0.94	0.003	0.12	0.1	0.02	1.2	0.1	<0.05	4	<0.5	<0.2
CW126	Soil	13	0.34	26	0.038	<1	0.93	0.002	0.12	0.1	0.03	0.9	0.1	<0.05	2	<0.5	<0.2
CW127	Soil	16	0.50	83	0.044	2	1.17	0.004	0.17	0.4	0.03	1.7	0.2	<0.05	3	<0.5	<0.2
CW128	Soil	22	0.55	83	0.036	1	1.60	0.003	0.18	0.1	0.04	1.5	0.3	<0.05	5	<0.5	<0.2
CW129	Rock Pulp	37	0.66	88	0.104	3	1.41	0.085	0.13	2.1	0.06	3.6	<0.1	0.64	5	1.9	0.3



Acme Analytical Laboratories (Vancouver) Ltd.

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

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Client: Brocade Metals Corp.
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY

Report Date: November 05, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11004564.1

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																					
CW044	Soil	0.9	9.4	7.5	22	0.2	7.9	3.5	90	1.86	3.7	1.9	1.6	3	<0.1	0.5	0.4	36	0.02	0.032	24
REP CW044	QC	0.9	9.7	7.7	23	0.2	8.0	3.5	95	1.94	4.0	0.9	1.6	3	<0.1	0.5	0.4	38	0.02	0.034	25
CW059	Soil	0.2	1.6	6.2	6	<0.1	1.5	0.6	18	0.20	<0.5	<0.5	1.6	3	0.1	<0.1	0.1	5	0.01	0.009	28
REP CW059	QC	0.2	1.6	5.1	5	<0.1	1.5	0.6	20	0.21	<0.5	<0.5	1.8	3	<0.1	<0.1	0.1	6	0.01	0.009	30
CW071	Soil	0.6	4.4	6.7	17	0.3	4.9	2.0	48	0.90	2.1	<0.5	7.7	5	<0.1	0.3	0.2	19	0.02	0.025	29
REP CW071	QC	0.7	4.6	6.7	17	0.3	5.0	1.9	47	0.89	3.1	0.7	7.1	5	<0.1	0.2	0.2	21	0.02	0.023	29
CW089	Soil	1.5	35.7	14.1	95	0.3	98.4	23.0	342	5.02	36.6	2.1	16.0	4	<0.1	4.4	0.3	12	0.01	0.066	49
REP CW089	QC	1.5	36.8	13.4	96	0.3	102.6	23.1	353	5.14	37.5	3.0	16.1	4	<0.1	4.6	0.3	10	0.01	0.072	51
CW111	Soil	1.5	18.7	19.2	57	0.2	13.5	5.4	156	3.45	9.7	0.6	5.3	3	0.1	0.5	0.4	24	0.05	0.049	16
REP CW111	QC	1.6	18.5	19.3	59	0.2	13.6	5.6	157	3.46	9.8	<0.5	5.5	3	0.1	0.5	0.4	23	0.05	0.046	16
CW120	Soil	1.1	16.1	20.0	54	0.3	11.8	5.7	133	2.73	6.5	0.8	4.5	3	<0.1	0.4	0.4	22	0.05	0.038	22
REP CW120	QC	1.2	16.6	20.6	55	0.3	12.3	5.9	135	2.76	6.6	0.7	4.7	3	0.1	0.4	0.4	23	0.06	0.038	22
Reference Materials																					
STD DS8	Standard	12.7	98.7	123.3	295	1.7	34.2	6.9	579	2.50	22.7	110.8	6.8	66	2.2	5.2	5.9	42	0.65	0.076	15
STD DS8	Standard	13.5	118.3	123.6	328	2.0	40.7	7.9	636	2.56	25.7	112.8	6.5	67	2.1	6.6	7.1	49	0.70	0.082	15
STD DS8	Standard	13.0	111.9	121.2	294	1.7	38.8	7.7	586	2.35	22.2	105.7	7.0	63	2.1	5.2	5.4	44	0.66	0.076	16
STD DS8	Standard	12.7	107.1	121.9	305	1.8	35.2	7.0	588	2.38	26.0	104.9	6.9	61	2.3	5.6	6.8	40	0.64	0.080	14
STD DS8	Standard	13.4	112.1	127.3	297	1.7	37.6	7.5	573	2.33	24.2	109.6	6.8	67	2.4	5.7	7.1	41	0.67	0.084	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY

Report Date: November 05, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11004564.1

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																	
CW044	Soil	10	0.18	22	0.030	<1	0.67	0.003	0.10	<0.1	<0.01	0.7	0.1	<0.05	6	<0.5	<0.2
REP CW044	QC	11	0.19	23	0.033	<1	0.70	0.003	0.10	<0.1	<0.01	0.7	0.1	<0.05	6	<0.5	<0.2
CW059	Soil	4	0.06	15	0.009	<1	0.47	0.004	0.04	<0.1	<0.01	0.3	0.1	<0.05	4	<0.5	<0.2
REP CW059	QC	4	0.06	15	0.010	<1	0.51	0.003	0.05	<0.1	<0.01	0.3	0.1	<0.05	4	<0.5	<0.2
CW071	Soil	7	0.18	28	0.017	2	1.12	0.004	0.08	<0.1	0.03	0.8	0.2	0.06	5	<0.5	<0.2
REP CW071	QC	7	0.17	28	0.015	3	1.06	0.003	0.08	<0.1	0.02	0.8	0.2	<0.05	5	<0.5	<0.2
CW089	Soil	11	0.18	30	0.007	3	0.75	0.002	0.10	<0.1	<0.01	3.7	0.2	<0.05	2	<0.5	<0.2
REP CW089	QC	11	0.20	32	0.005	2	0.76	0.003	0.11	<0.1	0.01	3.8	0.3	<0.05	2	0.6	<0.2
CW111	Soil	22	0.54	32	0.051	1	1.21	0.003	0.16	0.4	0.02	1.4	0.2	<0.05	4	<0.5	<0.2
REP CW111	QC	22	0.54	32	0.051	<1	1.23	0.003	0.16	0.4	0.02	1.4	0.2	<0.05	4	<0.5	<0.2
CW120	Soil	19	0.53	49	0.052	1	1.20	0.003	0.21	0.2	0.03	1.4	0.2	<0.05	4	<0.5	<0.2
REP CW120	QC	19	0.56	48	0.051	<1	1.23	0.003	0.22	0.1	0.03	1.4	0.2	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	107	0.63	267	0.104	2	0.94	0.101	0.41	2.8	0.18	2.6	5.3	0.09	5	5.5	4.6
STD DS8	Standard	119	0.71	284	0.131	5	0.93	0.096	0.44	3.1	0.20	2.3	5.6	0.16	5	5.7	5.1
STD DS8	Standard	119	0.59	249	0.120	2	0.87	0.085	0.40	2.6	0.16	2.2	5.1	0.18	5	4.8	4.4
STD DS8	Standard	110	0.58	276	0.106	2	0.86	0.087	0.41	3.0	0.20	2.3	5.2	0.15	5	4.7	5.1
STD DS8	Standard	118	0.58	274	0.118	3	0.93	0.105	0.42	3.1	0.20	3.4	5.6	0.18	5	4.7	5.3
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: **Brocade Metals Corp.**
620 - 1100 Melville St.
Vancouver BC V6E 4S3 Canada

Submitted By: Bob Lane
Receiving Lab: Canada-Vancouver
Received: September 23, 2011
Report Date: October 24, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN11004971.1

CLIENT JOB INFORMATION

Project: RUBY
Shipment ID:
P.O. Number
Number of Samples: 31

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	30	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	30	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: Brocade Metals Corp.
620 - 1100 Melville St.
Vancouver BC V6E 4S3
Canada

CC: Ken MacDonald



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 24, 2011

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN11004971.1

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	%	ppb	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	
R11-BE005	Rock	1.29	0.2	1.5	1.4	7	<0.1	2.2	0.6	38	0.32	0.7	<0.5	0.2	<1	0.1	<0.1	<0.1	<2	<0.01	0.003
R11-BE015	Rock	2.02	0.1	1.0	0.9	<1	<0.1	0.7	0.2	25	0.20	<0.5	1.1	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
R11-BE019	Rock	2.28	0.1	7.0	1.5	8	<0.1	8.9	2.9	52	0.49	<0.5	<0.5	1.3	<1	<0.1	<0.1	0.1	3	<0.01	0.002
R11-BE030	Rock	1.65	0.3	2.3	0.9	1	<0.1	1.8	0.4	29	0.27	0.7	0.7	0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	0.001
R11-BE031	Rock	2.49	0.3	17.2	1.3	<1	<0.1	5.6	1.5	19	0.32	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
R11-BR003	Rock	3.43	0.3	3.8	4.0	6	<0.1	2.6	1.0	45	0.36	1.2	0.7	1.4	<1	0.2	0.1	<0.1	<2	<0.01	0.001
R11-BR004	Rock	2.85	0.3	6.1	1.9	2	0.3	2.6	1.0	27	0.40	9.9	1.4	0.3	<1	<0.1	0.8	<0.1	<2	<0.01	<0.001
R11-BR008	Rock	2.20	0.1	3.8	1.0	3	<0.1	3.0	1.1	159	0.42	<0.5	<0.5	<0.1	1	<0.1	0.1	<0.1	<2	0.11	<0.001
R11-BR011	Rock	1.84	3.7	8.2	10.9	26	<0.1	3.9	2.7	270	1.04	2.2	0.8	9.8	50	<0.1	0.1	0.2	4	0.41	0.039
R11-BR014	Rock	1.64	4.5	124.1	9.8	18	2.4	6.8	5.7	344	1.29	5.8	2.8	5.6	2	<0.1	0.3	5.4	5	0.03	0.019
R11-BR026	Rock	1.89	0.2	17.8	5.9	26	<0.1	11.7	6.2	73	1.40	3.3	<0.5	6.6	3	0.2	0.1	0.1	16	0.04	0.020
R11-BR032	Rock	0.93	0.4	10.1	2.7	4	<0.1	2.8	1.7	39	0.86	7.1	0.6	0.2	<1	<0.1	0.1	0.1	<2	<0.01	0.002
R11-BR033	Rock	1.40	0.2	8.5	2.5	4	<0.1	3.4	1.5	33	0.67	4.0	<0.5	0.4	<1	<0.1	0.1	<0.1	<2	<0.01	0.003
R11-BR037	Rock	1.66	0.2	6.8	13.5	6	0.5	2.6	0.8	29	0.83	5804	507.1	6.2	16	<0.1	7.9	0.1	<2	0.02	0.012
R11-BR040	Rock	0.67	0.1	16.7	9.8	29	<0.1	12.5	2.5	55	1.57	57.1	2.1	9.8	5	<0.1	1.7	0.2	3	<0.01	0.021
R11-BR042	Rock	1.65	0.3	21.5	121.7	18	14.6	4.4	1.3	30	0.67	25.0	2.0	0.5	<1	0.1	1.9	63.8	<2	<0.01	0.002
R11-BR051	Rock	1.82	0.3	30.3	20.9	129	0.3	20.0	8.9	684	1.85	11.9	0.7	7.3	15	0.7	5.9	0.7	4	0.63	0.018
R11-BR058	Rock	0.54	0.9	53.6	3.5	63	0.3	324.4	49.6	1171	4.63	25.4	1.4	2.9	183	0.2	21.6	0.9	72	7.39	0.063
R11-BR060	Rock	1.56	0.3	14.6	378.4	118	0.8	4.0	4.4	194	0.98	19.4	6.2	2.4	<1	0.4	79.9	<0.1	2	0.02	0.012
R11-BR063	Rock	2.67	0.3	102.8	10.5	7	0.1	43.0	33.1	172	3.52	2.2	0.6	1.1	8	<0.1	0.3	0.4	<2	0.16	0.010
R11-BR068	Rock	0.67	1.1	42.4	63.7	31	0.3	6.7	3.8	54	3.16	<0.5	3.9	7.0	11	0.2	0.6	0.6	8	0.07	0.025
R11-BR069	Rock	0.77	1.5	8.5	4.6	43	0.1	14.1	8.3	323	2.19	1.5	1.4	5.9	13	<0.1	0.7	0.2	14	0.63	0.027
R11-BR076	Rock	0.68	0.6	20.5	14.4	21	0.2	6.7	2.5	22	0.59	13.5	1.0	0.3	<1	<0.1	4.6	<0.1	<2	<0.01	0.001
R11-BL01	Rock	2.51	0.4	2.5	1.2	5	<0.1	3.6	0.9	106	0.55	5.0	<0.5	0.1	1	<0.1	0.4	<0.1	<2	0.02	0.002
R11-BL02	Rock	1.52	0.5	2.7	0.9	2	<0.1	2.2	0.5	25	0.23	2.8	<0.5	0.1	<1	<0.1	0.6	<0.1	<2	<0.01	<0.001
R11-BL03	Rock	2.26	0.2	9.0	16.4	34	0.4	5.0	2.3	113	0.67	670.8	71.2	3.9	4	0.3	13.9	0.3	<2	0.02	0.007
R11-BL05	Rock	2.42	0.5	143.1	1913	399	15.2	3.1	1.2	21	1.03	76.0	708.2	0.1	3	3.1	30.6	0.2	<2	<0.01	0.001
R11-BL06	Rock	1.77	0.5	9.4	13.9	95	0.3	4.5	1.2	62	2.43	44.1	24.1	1.9	5	0.2	8.4	<0.1	<2	<0.01	0.019
R11-BL07	Rock	1.99	0.3	7.7	81.2	75	0.6	2.8	0.6	26	0.94	23.2	10.8	2.3	2	<0.1	3.3	<0.1	<2	<0.01	0.006
R11-BL08	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.

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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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 24, 2011

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

VAN11004971.1

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	0.01	0.1	0.01	0.05	1	0.5	0.2	
R11-BE005	Rock	<1	6	<0.01	2	<0.001	<1	0.02	0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<1	<0.5	<0.2	
R11-BE015	Rock	<1	7	<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	
R11-BE019	Rock	3	10	0.09	12	0.010	1	0.18	0.003	0.08	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
R11-BE030	Rock	<1	10	<0.01	2	<0.001	<1	0.02	0.002	0.01	<0.1	<0.01	<0.1	<0.05	<1	<0.5	<0.2	
R11-BE031	Rock	<1	9	<0.01	2	<0.001	1	<0.01	0.002	<0.01	<0.1	<0.01	<0.1	0.06	<1	<0.5	<0.2	
R11-BR003	Rock	2	10	0.03	4	0.003	<1	0.09	0.003	0.03	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
R11-BR004	Rock	1	10	<0.01	2	<0.001	2	0.03	0.001	0.01	<0.1	<0.01	<0.1	<0.05	<1	<0.5	<0.2	
R11-BR008	Rock	<1	6	0.01	2	<0.001	<1	0.02	0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
R11-BR011	Rock	29	2	0.07	37	<0.001	2	0.37	0.029	0.25	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2
R11-BR014	Rock	14	7	0.02	16	<0.001	2	0.19	0.024	0.14	<0.1	0.01	1.4	0.1	<0.05	<1	<0.5	<0.2
R11-BR026	Rock	15	20	0.39	10	0.002	1	0.70	0.038	0.09	<0.1	0.03	1.4	0.1	<0.05	3	<0.5	<0.2
R11-BR032	Rock	<1	7	<0.01	<1	<0.001	1	0.02	0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
R11-BR033	Rock	<1	8	<0.01	1	<0.001	<1	0.02	0.001	0.01	<0.1	<0.01	<0.1	<0.05	<1	<0.5	<0.2	
R11-BR037	Rock	11	7	<0.01	38	<0.001	3	0.13	0.003	0.10	0.1	<0.01	0.6	0.1	0.14	<1	<0.5	<0.2
R11-BR040	Rock	18	7	0.03	13	0.001	<1	0.37	0.002	0.07	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
R11-BR042	Rock	<1	8	<0.01	1	<0.001	1	0.02	0.002	<0.01	<0.1	<0.01	<0.1	<0.05	<1	0.8	7.7	
R11-BR051	Rock	10	8	0.39	14	0.001	2	0.28	0.011	0.17	<0.1	<0.01	0.9	<0.1	0.54	<1	<0.5	<0.2
R11-BR058	Rock	16	516	4.91	29	0.014	4	1.79	<0.001	0.28	<0.1	<0.01	20.7	0.3	<0.05	4	<0.5	<0.2
R11-BR060	Rock	13	7	0.01	13	<0.001	2	0.15	<0.001	0.06	<0.1	<0.01	0.5	0.1	<0.05	<1	<0.5	<0.2
R11-BR063	Rock	3	9	0.11	10	<0.001	<1	0.10	0.007	0.03	<0.1	<0.01	0.4	<0.1	1.90	<1	1.2	<0.2
R11-BR068	Rock	14	15	0.33	109	0.020	1	0.54	0.015	0.31	<0.1	<0.01	0.6	0.1	0.47	1	0.6	0.2
R11-BR069	Rock	17	23	0.52	139	0.035	3	0.79	0.026	0.50	<0.1	<0.01	2.1	0.3	0.06	3	<0.5	<0.2
R11-BR076	Rock	<1	36	<0.01	4	0.001	<1	0.03	0.001	0.02	<0.1	<0.01	<0.1	<0.01	0.05	<1	<0.5	<0.2
R11-BL01	Rock	<1	46	0.03	2	<0.001	<1	0.02	0.002	<0.01	<0.1	<0.01	<0.1	<0.01	<0.05	<1	<0.5	<0.2
R11-BL02	Rock	<1	60	<0.01	2	<0.001	2	0.02	0.003	<0.01	<0.1	<0.01	<0.1	<0.01	<0.05	<1	<0.5	<0.2
R11-BL03	Rock	11	25	0.02	6	<0.001	5	0.18	0.002	0.13	<0.1	0.06	0.6	<0.1	<0.05	<1	<0.5	<0.2
R11-BL05	Rock	<1	53	<0.01	243	<0.001	<1	0.02	<0.001	0.02	<0.1	0.10	<0.1	0.1	0.36	<1	3.8	0.2
R11-BL06	Rock	10	31	0.01	20	0.001	1	0.15	0.003	0.07	<0.1	0.02	0.3	<0.1	<0.05	<1	<0.5	<0.2
R11-BL07	Rock	8	26	<0.01	27	<0.001	3	0.15	0.001	0.09	<0.1	0.01	0.4	<0.1	0.06	<1	<0.5	<0.2
R11-BL08	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.

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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: Brocade Metals Corp.
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
Report Date: October 24, 2011

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN11004971.1

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	
R11-BL09	Rock	2.89	0.5	28.2	419.9	596	3.7	3.9	1.9	202	1.99	31.5	7.0	1.6	3	0.9	16.2	0.5	2	<0.01	0.014



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

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 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

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Report Date: October 24, 2011

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

VAN11004971.1

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	
R11-BL09	Rock	6	27	<0.01	10	<0.001	2	0.09	0.002	0.05	<0.1	<0.01	0.5	<0.1	<0.05	<1	0.7	0.4



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

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 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY

Report Date: October 24, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11004971.1

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																					
R11-BR008	Rock	2.20	0.1	3.8	1.0	3	<0.1	3.0	1.1	159	0.42	<0.5	<0.5	<0.1	1	<0.1	0.1	<0.1	<2	0.11	<0.001
REP R11-BR008	QC		0.1	4.2	0.9	4	<0.1	3.1	1.1	165	0.42	<0.5	<0.5	0.1	1	<0.1	0.1	<0.1	<2	0.11	<0.001
R11-BR037	Rock	1.66	0.2	6.8	13.5	6	0.5	2.6	0.8	29	0.83	5804	507.1	6.2	16	<0.1	7.9	0.1	<2	0.02	0.012
REP R11-BR037	QC		0.3	7.1	13.2	5	0.5	1.9	0.8	27	0.82	5874	528.6	6.7	15	<0.1	8.3	0.2	<2	0.02	0.012
Reference Materials																					
STD DS8	Standard		12.0	102.6	118.1	295	1.7	35.8	7.0	566	2.27	24.0	116.8	6.3	61	2.2	5.3	6.2	41	0.68	0.075
STD DS8	Standard		12.9	103.6	115.7	286	1.6	36.3	7.4	582	2.35	28.0	101.7	6.6	64	2.3	5.1	6.0	40	0.71	0.073
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	0.05	<0.001
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	<0.01	<0.1	2.4	2.9	42	<0.1	2.2	3.5	527	1.74	3.0	0.9	5.3	57	<0.1	<0.1	0.1	34	0.47	0.071
G1	Prep Blank	<0.01	0.1	2.7	2.9	45	<0.1	3.2	3.9	558	1.92	<0.5	<0.5	5.8	63	<0.1	<0.1	<0.1	37	0.52	0.078



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 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY

Report Date: October 24, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11004971.1

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	
Pulp Duplicates																		
R11-BR008	Rock	<1	6	0.01	2	<0.001	<1	0.02	0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
REP R11-BR008	QC	<1	7	0.01	2	<0.001	1	0.02	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
R11-BR037	Rock	11	7	<0.01	38	<0.001	3	0.13	0.003	0.10	0.1	<0.01	0.6	0.1	0.14	<1	<0.5	<0.2
REP R11-BR037	QC	11	6	<0.01	36	<0.001	3	0.13	0.002	0.11	<0.1	<0.01	0.6	0.1	0.14	<1	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	110	0.56	259	0.103	2	0.86	0.079	0.39	2.9	0.16	2.0	5.1	0.16	5	4.4	4.1
STD DS8	Standard	16	113	0.58	259	0.122	2	0.90	0.085	0.39	2.7	0.17	2.1	5.0	0.15	4	5.0	4.4
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
G1	Prep Blank	12	5	0.48	148	0.119	2	0.90	0.083	0.44	<0.1	<0.01	1.9	0.3	<0.05	4	<0.5	<0.2
G1	Prep Blank	13	6	0.52	166	0.129	1	0.95	0.096	0.48	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: **Brocade Metals Corp.**
620 - 1100 Melville St.
Vancouver BC V6E 4S3 Canada

Submitted By: Bob Lane
Receiving Lab: Canada-Vancouver
Received: September 23, 2011
Report Date: October 25, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN11004972.1

CLIENT JOB INFORMATION

Project: RUBY
Shipment ID:
P.O. Number
Number of Samples: 11

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: Brocade Metals Corp.
620 - 1100 Melville St.
Vancouver BC V6E 4S3
Canada

CC: Ken MacDonald

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	11	Dry at 60C			VAN
SS80	11	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	11	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.



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: **Brocade Metals Corp.**
 620 - 1100 Melville St.
 Vancouver BC V6E 4S3 Canada

Project: RUBY
 Report Date: October 25, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN11004972.1

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	
R11-BL04	Silt	0.9	40.7	16.5	92	0.3	51.2	18.4	334	4.17	14.5	1.9	14.5	12	0.2	1.9	0.5	15	0.15	0.048	47
R11-BL10	Silt	1.1	13.6	147.1	140	1.3	12.8	12.4	666	2.36	3.4	<0.5	2.4	14	1.0	0.3	0.2	17	0.27	0.076	27
BR01	Silt	0.7	29.2	19.1	95	0.2	37.9	17.6	832	3.32	10.5	4.1	4.3	15	0.4	0.7	0.3	28	0.24	0.091	43
BE012	Silt	0.7	53.1	15.0	86	1.2	103.1	27.8	743	3.57	7.7	3.1	6.5	32	0.2	0.6	0.3	30	0.69	0.071	104
BE013	Silt	1.0	26.5	29.7	132	1.2	32.3	16.4	1193	2.69	4.0	3.0	2.6	33	2.2	0.7	0.3	21	0.64	0.105	77
BE014	Silt	0.9	38.5	36.3	211	1.0	57.4	19.4	827	3.81	20.4	1.3	2.4	28	0.9	1.5	0.4	22	0.54	0.120	60
BE015	Silt	0.7	29.4	35.2	195	0.7	49.8	17.0	524	3.74	14.8	3.3	3.0	23	0.8	1.3	0.4	22	0.41	0.105	54
BE012M	Silt	0.9	55.0	15.3	93	1.5	98.7	34.4	800	3.63	7.7	0.6	5.9	38	0.2	0.6	0.4	29	0.85	0.094	100
BE013M	Silt	1.3	25.6	29.3	130	1.0	32.9	19.7	1679	2.59	3.9	0.9	1.9	40	2.6	0.8	0.2	19	0.78	0.098	84
BE014M	Silt	0.7	36.4	32.1	172	0.5	55.0	15.8	1093	3.35	15.8	2.9	1.8	31	1.6	1.5	0.4	18	0.64	0.132	56
BE015M	Silt	0.8	34.7	30.0	177	0.5	58.6	18.3	938	3.25	14.7	2.7	1.5	29	1.5	1.3	0.3	18	0.59	0.118	65



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

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Project: RUBY
 Report Date: October 25, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN11004972.1

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	
R11-BL04	Silt	17	0.58	30	0.022	<1	0.99	0.003	0.15	<0.1	0.01	2.3	0.2	<0.05	3	<0.5	<0.2
R11-BL10	Silt	17	0.65	89	0.063	2	1.24	0.006	0.20	<0.1	0.03	1.6	0.2	0.06	3	2.7	<0.2
BR01	Silt	29	0.74	60	0.055	1	1.71	0.008	0.25	<0.1	0.02	2.0	0.3	0.05	6	1.6	<0.2
BE012	Silt	30	0.70	103	0.037	2	2.03	0.007	0.27	<0.1	0.08	3.8	0.4	0.05	5	2.2	<0.2
BE013	Silt	22	0.68	72	0.038	3	1.46	0.007	0.16	<0.1	0.05	1.7	0.3	0.12	4	5.4	<0.2
BE014	Silt	26	0.65	73	0.015	2	1.76	0.006	0.18	<0.1	0.08	1.9	0.3	0.09	5	1.9	<0.2
BE015	Silt	25	0.68	68	0.015	1	1.76	0.005	0.17	0.1	0.06	2.0	0.3	0.07	5	1.7	<0.2
BE012M	Silt	32	0.72	110	0.034	3	2.17	0.008	0.31	<0.1	0.10	4.1	0.4	0.06	6	2.5	<0.2
BE013M	Silt	21	0.64	79	0.037	2	1.31	0.011	0.46	<0.1	0.07	1.5	0.3	0.14	4	7.8	<0.2
BE014M	Silt	22	0.59	66	0.016	3	1.45	0.017	0.60	<0.1	0.06	1.6	0.3	0.14	4	3.3	<0.2
BE015M	Silt	22	0.58	62	0.017	3	1.42	0.011	0.45	<0.1	0.07	1.4	0.3	0.13	4	4.0	<0.2



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

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Project: RUBY

Report Date: October 25, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11004972.1

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	
Reference Materials																					
STD DS8	Standard	14.2	114.9	124.9	324	1.8	38.0	7.8	634	2.55	25.8	112.5	6.6	75	2.4	5.5	6.6	44	0.73	0.082	17
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Report Date: October 25, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11004972.1

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	
Reference Materials																	
STD DS8	Standard	122	0.63	285	0.124	3	1.00	0.110	0.44	2.9	0.19	2.7	5.4	0.15	5	6.5	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



Minerals

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Page: 1
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CERTIFICATE VA11196112

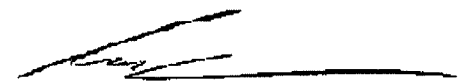
Project: RUBY
P.O. No.:
This report is for 9 Rock samples submitted to our lab in Vancouver, BC, Canada on 21- SEP- 2011.
The following have access to data associated with this certificate:
JOHN R. DEGRACE

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
BAG- 01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- GRA21	Au Ag 30g FA- GRAV finish	WST- SIM
ME- MS41L	51 anal. aqua regia ICPMS	

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager



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 North Vancouver BC V7H 0A7
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Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
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CERTIFICATE OF ANALYSIS VA11196112

Sample Description	Method Analyte Units LOR	WEI- 21	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.0002	0.002	0.01	0.02	10	0.5	0.05	0.01	0.01	0.01	0.02	0.1	0.5	0.05
R11- 5003		1.20	3.88	>100	0.10	964	<10	11.9	0.11	0.27	<0.01	2.79	9.24	2.9	137.5	0.56
R11- 5004		1.82	0.232	6.58	0.14	2030	<10	24.3	0.15	0.24	0.10	0.11	16.20	4.1	116.5	0.85
JD 03507		2.32	0.0369	1.435	0.32	598	<10	21.0	0.54	0.19	0.13	1.14	58.9	15.2	111.5	2.70
JD 03510		2.54	0.166	1.290	0.16	1330	<10	13.1	0.25	0.37	0.03	0.63	19.90	8.8	121.5	1.37
JD 03517		2.26	0.144	2.48	0.15	1030	<10	11.5	0.20	0.77	0.02	2.27	14.85	8.1	124.0	1.41
JD 03531		1.78	0.0302	1.305	0.31	194.0	<10	23.9	0.40	0.19	0.03	0.55	31.2	8.0	75.7	2.99
JD 03532		3.66	0.0909	3.84	0.25	757	<10	19.8	0.31	0.21	0.04	1.51	26.9	8.8	107.0	1.84
JD 03541		2.38	0.0582	1.535	0.45	700	<10	29.7	0.46	0.40	0.09	0.37	44.3	17.8	91.1	2.57
JD 03542		1.52	0.458	31.9	0.10	3480	<10	7.2	0.14	0.45	0.33	3.20	9.88	4.6	144.0	0.79

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 North Vancouver BC V7H 0A7
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Page: 2 - B
 Total # Pages: 2 (A - D)
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CERTIFICATE OF ANALYSIS VA11196112

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
		0.01	0.01	0.05	0.05	0.02	0.005	0.005	0.01	0.2	0.1	0.01	1	0.01	0.01	0.05
R11- 5003		180.5	0.97	0.41	<0.05	<0.02	0.458	0.019	0.07	4.3	0.7	0.01	27	0.94	0.01	<0.05
R11- 5004		5.91	1.85	0.58	<0.05	<0.02	0.057	0.014	0.11	8.1	0.7	0.04	70	1.37	0.01	<0.05
JD 03507		31.3	3.10	1.38	0.09	<0.02	0.083	0.019	0.24	28.6	1.8	0.42	999	1.32	0.01	<0.05
JD 03510		20.1	2.81	0.66	0.05	<0.02	0.082	0.014	0.12	9.4	0.9	0.12	302	1.10	0.01	<0.05
JD 03517		20.5	2.95	0.56	<0.05	<0.02	0.074	0.017	0.09	6.6	1.2	0.04	32	3.34	0.01	<0.05
JD 03531		19.75	5.82	1.09	0.07	<0.02	0.561	0.014	0.19	14.7	2.2	0.09	114	1.04	0.01	0.07
JD 03532		26.5	2.22	0.90	0.05	<0.02	0.097	0.016	0.16	12.7	1.6	0.14	387	0.99	0.01	<0.05
JD 03541		40.4	3.28	1.59	0.07	<0.02	0.092	0.020	0.27	21.2	4.2	0.30	401	1.13	0.01	0.05
JD 03542		31.8	1.73	0.44	<0.05	<0.02	0.057	0.011	0.07	4.5	1.0	0.21	603	0.91	0.01	<0.05



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 North Vancouver BC V7H 0A7
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Page: 2 - C
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
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CERTIFICATE OF ANALYSIS VA11196112

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.001	0.01	0.1	0.001	0.01	0.005	0.1	0.1	0.2	0.2	0.01	0.01	0.1	0.001
R11- 5003		7.6	0.001	458	4.9	<0.001	0.68	401	0.3	5.6	0.2	1.2	<0.01	0.07	1.8	0.001
R11- 5004		10.9	0.001	17.50	7.5	0.001	1.35	12.30	0.6	1.0	<0.2	6.8	<0.01	0.04	2.9	0.001
JD 03507		35.5	0.020	35.8	18.3	0.002	0.85	3.99	2.1	0.8	0.2	11.2	<0.01	0.05	11.3	0.003
JD 03510		18.1	0.003	26.6	10.1	0.001	2.09	13.00	1.3	0.5	<0.2	3.2	<0.01	0.08	3.6	0.002
JD 03517		16.8	0.004	65.7	8.1	0.001	2.81	11.75	0.8	0.5	0.2	2.9	<0.01	0.08	2.8	0.002
JD 03531		16.5	0.012	55.4	16.0	<0.001	5.39	6.25	1.4	0.8	0.2	4.5	<0.01	0.03	6.0	0.005
JD 03532		17.2	0.012	96.2	12.3	<0.001	0.74	7.47	1.4	0.6	0.2	3.9	<0.01	0.04	5.5	0.003
JD 03541		37.3	0.031	20.7	19.8	<0.001	1.87	6.49	2.0	0.7	0.2	5.6	<0.01	0.08	9.8	0.007
JD 03542		10.5	0.001	444	5.9	<0.001	0.59	47.0	1.0	0.9	<0.2	33.1	<0.01	0.06	1.5	0.002

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ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: DEGRACE, JOHN R.
 8072 ST. JOHN PLACE
 PRINCE GEORGE BC V2N 4G9

Page: 2 - D
 Total # Pages: 2 (A - D)
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CERTIFICATE OF ANALYSIS VA11196112

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- GRA21	ME- GRA21
		Tl	U	V	W	Y	Zn	Zr	Au	Ag
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.0001	0.05	0.1	0.5	0.05	5
R11- 5003		0.04	0.41	2	0.338	0.51	339	<0.5	4.39	1335
R11- 5004		0.11	0.32	2	0.292	0.98	24.6	<0.5		
JD 03507		0.26	2.08	4	0.331	4.91	225	<0.5		
JD 03510		0.77	0.75	3	0.382	1.68	115.5	<0.5		
JD 03517		0.53	0.43	3	0.361	1.56	371	<0.5		
JD 03531		1.96	2.36	5	0.342	3.36	126.5	<0.5		
JD 03532		0.26	1.33	4	0.394	2.61	265	<0.5		
JD 03541		0.55	2.49	6	0.294	5.18	92.8	<0.5		
JD 03542		0.07	0.42	2	0.386	1.42	511	<0.5		



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North Vancouver BC V7H 0A7
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Page: Appendix 1
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Finalized Date: 18- NOV- 2011
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CERTIFICATE OF ANALYSIS VA11196112

Method	CERTIFICATE COMMENTS
ME- MS41L	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).