

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

T COLUMN T

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)]	TOTAL COST
2010 Exploration and Fieldwork on the Seebach Claims	\$12,057.05
AUTHOR(S) Andy Hoffman, Geol I.T.; Patrick Kluczny, P.G	
	Hotrilly Kurpy
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S)	YEAR OF WORK
STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S))/DATE(S) Event No.'s 4796725, 4796727 (September 29, 2010)
PROPERTY NAME SEEBACH CLAIMS	
CLAIM NAME(S) (on which work was done) SEEBACH 1-3	
COMMODITIES SOUGHT RARE EARTH ELEMENTS; GOL	_D
MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN	
MINING DIVISION Cariboo	NTS 93J/08
LATITUDE <u>54</u> ⁰ <u>23</u> <u>30</u> LONGI	SITUDE <u>122</u> ^o <u>05</u> ' <u>30</u> " (at centre of work)
OWNER(S)	
1) Jody Richard Dahrouge	2)
MAILING ADDRESS	
11 Country Lane	
Stony Plain, AB T7Z 2T2	
DPERATOR(S) [who paid for the work]	
1) _ Zimtu Capital Corp.	2) 877384 Alberta Ltd.
10 - D	
MAILING ADDRESS	
Suite 1450, 789 West Pender Street	18, 10509 - 81 Ave
Vancouver, BC V6C 1H2	Edmonton, AB T6E 1X7
PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, s	structure, alteration, mineralization, size and attitude);
Rare Earth Elements, Gold, Bear Lake, Prince Geo	
REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSE	ESSMENT REPORT NUMBERS

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED
((incl. support)
GEOLOGICAL (scale, area	a)		
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilom	netres)		
Ground			
Magnetic			
Electromagnetic			
Induced Polarization	on		
GEOCHEMICAL			
(number of samples analys	sed for)		
Soil	9 soil	SEEBACH 1-3	\$ 348.93
Silt	2 stream sediment	SEEBACH 1-3	\$ 77.54
Rock	5 rock	SEEBACH 1-3	\$ 286.20
Other			
DRILLING			
(total metres; number of ho	oles, size)		
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying _			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, ar	ea) (1:100,000)	SEEBACH 1-3	\$ 11,344.30
PREPARATORY/PHYSICA	AL		
Line/grid (kilometres)			
Topographic/Photogra (scale, area)	ammetric		
Legal surveys (scale,	area)		
Road, local access (k	ilometres)/trail		
Trench (metres)			
Underground dev. (m	etres)		
		TOTAL COS	_

ZIMTU CAPITAL CORP. AND 877384 ALBERTA LTD.

2010 EXPLORATION AND FIELDWORK ON THE SEEBACH CLAIMS

Cariboo Mining Division

Mineral Tenures:

627643, 627663 and 627665

Geographic Coordinates Approximate Center: 54°23'30" N 122°5'30" W

NTS Sheets 93J/08

Owner/Operator(s):	Zimtu Capital Corp. Suite 1450, 789 West Pender Street Vancouver, British Columbia V6C 1H2
	877384 Alberta Ltd. 18, 10509 - 81 Avenue Edmonton, Alberta T6E 1X7
Consultant:	Dahrouge Geological Consulting Ltd. 18, 10509 - 81 Avenue Edmonton, Alberta T6E 1X7
Author:	Andy Hoffman, Geol. I.T. Patrick Kluczny, P.Geol.
Date Submitted:	January 12, 2011

TABLE OF CONTENTS

1.	Introduction 1.1 Geographic Setting	1
	1.1.1 Location and Access.	1
	1.1.2 Topography, Vegetation, and Climate.	1
	1.2 Property	2
	1.3 History and Previous Investigations.	2
	1.4 Purpose of Work	2
	1.5 Summary of Work	3
2.	Regional Geology	3
3.	Property Geology	5
4.	Results of 2010 Exploration	5
5.	Discussion and Conclusions.	6
6.	References	7

LIST OF TABLES

Table 1.1 List of Seebach Claims	2
Table 2.1 Stratigraphic Units in the Rocky Mountain Assemblage.	4

Page

LIST OF FIGURES

Fig. 1.1	Location Map	F1
Fig. 1.2	Access Map	F2
Fig. 1.3	Claim Map	F3
Fig. 1.4	2010 Exploration Northern Tenures	n pocket)
Fig. 1.5	2010 Exploration Southern Tenure	n pocket)
Fig. 2.1	Regional Geology.	n pocket)

LIST OF APPENDICES

Appendix 1:	Itemized Cost Statement.	A1
Appendix 2:	Acme Analytical Laboratory Information and Techniques	A3
Appendix 3:	Acme Analytical Laboratory Ltd. Assay Results	A5
Appendix 4:	Statement of Qualifications.	A21

Page

1.

INTRODUCTION

The mineral tenures described in this report are registered in the name of Jody Richard Dahrouge, who holds tenures for joint owner/operator(s) Zimtu Capital Corp. (Zimtu) and 877384 Alberta Ltd. (877384). They were acquired through Mineral Titles Online on September 2, 2009. The Seebach Property consists of two contiguous, and one non-contiguous, mineral tenures covering an area of 1,261.39 ha. Dahrouge Geological Consulting Ltd. (Dahrouge) has been commissioned to conduct exploration for economic mineralization, and in September 2010, a four person crew prospected the claim group and surrounding area and collected sixteen stream, soil and rock samples. This report will discuss the results of the 2010 exploration program and give a brief interpretation of the results.

Two statements of work (Event No.'s 4796725 and 4796727) have been filed with respect to the exploration described in this report. The total assessment credit has been proportionally divided between the two contiguous, and one noncontiguous, tenures.

1.1 GEOGRAPHIC SETTING

1.1.1 Location and Access

The Seebach claims are located just east of the community of Bear Lake, about 75 km north of Prince George, British Columbia (Fig.'s 1.1 & 1.2). Prince George, with a population of around 82,000, is the self-acclaimed capital of northern British Columbia and has facilities and services expected for a community of its size. Bear Lake, with a population of approximately 170, has only basic services, including a gas station and motel. The economy of the region is driven mainly by the forestry industry, although mining and prospecting have shown a steady increase in the area over the last several years.

The Seebach claims are most easily accessed by helicopter. A network of decommissioned logging roads provide access to and throughout the property; however, overgrowth and decommissioned bridges limit access to ATV's and hiking.

1.1.2 Topography, Vegetation and Climate

The topography in the Bear Lake region ranges from 2,400 m to 3,300 m in elevation. Glacial deposits cover most of the region, resulting in scarce outcrop exposure. The Bear Lake area is characterized by gently rolling hills and the overgrowth consists of moderate to thick, coniferous to deciduous vegetation, including significant amounts of Devils Club.

The Bear Lake area experiences long winters and short summers. Winter conditions are expected from the end of November to the end of April, with an average snowfall of 216 cm and average temperatures rarely below -20°C. The summer season has an average temperature ranging from 20°C to 25°C, with approximately 260 mm of precipitation.

1.2 PROPERTY

The Seebach Property consists of two contiguous, and one noncontiguous, mineral tenures with a total area of 1,261.39 ha (Table 1.1, Fig. 1.3). The tenures were acquired through Mineral Titles Online on September 2, 2009 by Jody Dahrouge, on behalf of Zimtu and 877384.

TABLE 1.1:

LIST OF SEEBACH CLAIMS

Claim Name	Issue Date	Current Expiry Date	Area (ha)
SEEBACH01	2009/Sept/02	2010/Sept/02	471.36
SEEBACH02	2009/Sept/02	2010/Sept/02	470.2
SEEBACH03	2009/Sept/02	2010/Sept/02	319.83
	SEEBACH01 SEEBACH02	SEEBACH01 2009/Sept/02 SEEBACH02 2009/Sept/02	Claim Name Issue Date Date SEEBACH01 2009/Sept/02 2010/Sept/02 SEEBACH02 2009/Sept/02 2010/Sept/02

1.3 HISTORY AND PREVIOUS INVESTIGATIONS

In June 1987, Teck Exploration Ltd. conducted a trenching and soil sampling program in an area approximately ten to twenty kilometres north-northeast of the Seebach claims (Lovang, 1987). The purpose of the program was to follow up on a previously collected stream sediment sample found to be anomalous in Nb. The trenching portion of the program returned rock samples with elevated concentrations of light rare earth elements, whereas silt samples returned anomalous values of Nb (Lovang, 1987). In 2008, Spectrum Mining Corp. conducted a drill program to expand on the work completed in 1987 (Lane, 2009). The program consisted of four diamond drill holes, totaling 866 m. Each drill hole intersected carbonatite, including intervals enriched in La, Ce, Pr, and Nd (Lane, 2009).

1.4 PURPOSE OF WORK

The work described in this report was undertaken to provide information on the presence and quality of any economic mineralization within the Seebach claims. This included all common economic elements with a main focus on rare earth elements (REE's).

3

1.5 SUMMARY OF WORK

In September 2010, Dahrouge Geological Consulting Ltd., on behalf of Zimtu Capital Corp. and 877384 Alberta Ltd., conducted exploration for economic mineralization on the Seebach claims. On September 22, 2010, a four man crew conducted a prospecting program within/surrounding the property. A total of two stream, nine soil and five rock samples were collected (Fig. 1.4).

Stream sample collection sites were determined by observing the strength of water flow in the stream. Samples were collected at sites where there was an observed decrease in the water flow, which could be the result of a change in slope, bend in the stream channel, or interruption of flow due to an obstacle.

Soil samples were collected by taking a specimen weighing between 0.5 kg and 1.0 kg at a desired location. When taking a soil sample, the 'B' soil horizon was the portion of interest, because it is the zone with the highest proportion of weathered products and will therefore give the best representation of the underlying bedrock.

Rock samples were acquired by first locating an outcrop, then collecting chips/pieces based on the lithology of the outcrop. Every lithology, or variation of lithology, that the field crew encountered was sampled. Some lithologies were sampled on different occasions to test if there were any unobserved changes in lithology or chemistry.

Field maps were utilized at a 1:100,000 scale, which displayed the entire Seebach Property. A magnetic declination of 19.3° east was used during exploration. Personnel were based in a hotel in Prince George. Primary mode of transportation to and from the claims was by helicopter; access within the property was by hiking.

2.

REGIONAL GEOLOGY

Glacial deposits of various types, exceeding 100 metres in thickness in places, cover much of the area around Prince George and Bear Lake, resulting in sparse outcrop exposure. Various features of the bedrock geology in the Prince George and surrounding area have received attention, mostly from L.C. Struik.

Regional mapping by the Geological Survey of Canada (Muller and Tipper, 1969), at a scale of 1 inch to 4 miles covering the area north and east of Prince George, has been superseded by that of Struik (1994). Details on some features of the regional geology have also been described by Struik and Fuller (1988), Deville and Struik (1989), Struik (1989), and Struik, Fuller, and Lynch (1990).

Struik (1989) indicates there are two strike-slip fault trends in the region. One trend follows the McLeod Lake Fault Zone at approximately 160°. Movement along this feature is interpreted as mid-Tertiary. The other set includes the older northern Rocky Mountain Trench fault system, which trends approximately 140°.

TABLE 2.1 STRATIGRAPHIC UNITS IN THE ROCKY MOUNTAIN ASSEMBLAGE

	ROO		AIN ASSEMBLAGE*
Permian	-	-	cherty tuffs and rhyolitic flows
Carboniferous	-	-	slate, argillite and minor siltstone
Devonian	-	-	limestone, dolostone and minor basalt, syenite and carbonatite
Upper Devonian	-	-	isolated beds of grey limestone in black argillite and chert sequences
Middle Devonian	-	-	light-grey, fossiliferous limestone
Lower Devonian	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Tapioca	delectore, condu delectore, and quartaits
Upper Silurian	~ -	Sandstone	dolostone, sandy dolostone and quartzite
Lower Silurian	-	-	shale, siltstone, limestone and dolostone
Upper Ordovician	-	-	fine to coarse, thinly bedded quartzite, limestone and light grey dolostone
Middle Ordovician	-	Monkman Quartzite	clean white sand to granular quartzite
Lower Ordovician	Kechika Group	-	siltstone, sandstone, limestone, phyllite, and dolostone
Upper Cambrian		-	dolostone, limestone, sandy dolostone, shale, siltstone and quartzite
	Gog Group	-	archeocyathid-bearing limestone and associated quartzite
Lower Cambrian	Misinchinka Group	-	olive slate and siltstone with minor quartzite
Precambrian	Hadrynian	-	siltstone, fine-grained quartzite, and grey to black slate

* Modified after Struik, 1994

According to Struik (1994), the Seebach claims are underlain by the Rocky Mountain Assemblage (Table 2.1; Fig. 2.1). Ranging from Triassic to Precambrian in age, the Rocky Mountain Assemblage contains a wide variety of lithologies, including a Permian cherty tuff/rhyolitic flow, a middle Ordovician quartzite (Monkman Quartzite), a lower Ordovician siltstone, sandstone, limestone and dolostone unit (Kechika Group), a lower Cambrian Archeocyathid bearing limestone (Gog Group), and a lower Cambrian olive slate and siltstone unit (Misinchinka Group). Most units within the Rocky Mountain Assemblage have undergone a complex system of folding, faulting, and metamorphism that ranges from sub-greenschist to amphibolite grade.

PROPERTY GEOLOGY

3.

4.

Due to the presence of vast fluvial and glacial deposits in low-relief areas, outcrop exposures on the property are rare; therefore, the bedrock geology of the Seebach claims is largely unknown.

The outcrops of limestone and siltstone discovered on the Seebach claims are believed to be part of the lower Ordovician Kechika Group. They were described as predominantly medium-grey lime mudstone that was often locally moderately to strongly marbleized. Outcrops of medium- to dark-grey siliceous mudstone to siltstone were also observed. Outcrops of quartzite discovered in the northern part of the property are believed to belong to the middle Ordovician Monkman Quartzite. They were described as white to light-brown, massive quartzite with minor interbedded dark grey slate/mudstone.

The intrusives were described as medium- to dark-greenish-grey, very-fine-grained gabbro or basalt. Amphibole, plagioclase and olivine were the only minerals identified. It was not possible to determine if the intrusives belong to a unit within the Rocky Mountain Assemblage, or if they belong to a much younger suite of intrusives.

RESULTS OF 2010 EXPLORATION

The 2010 prospecting program was conducted in order to identify the presence and quantity/quality of any potential mineral deposits within the Seebach claims. Secondary objectives were to map out possible access routes to each claim. In total, sixteen samples were collected, including five rock, nine soil and two stream sediment samples (Fig. 1.4). It was determined that helicopter is the most efficient way to access the property, although a combination of ATV's and hiking may also be utilized.

The samples were sent to Acme Analytical Laboratories in Vancouver, British Columbia for analysis. Some anomalies were identified in the soil and stream sediment samples. All eleven samples returned values anomalous in Zr, ranging from a low of 286.5 ppm in sample 75260 to a high of 425.6 ppm in sample 75319. Most of the samples were also slightly anomalous in Ba. Both Zr and Ba are possible indicators of carbonatite or syenite bodies at depth. The rock samples did not return any significant anomalous values; however, the whole rock results reveal that the intrusives are mafic to ultramafic in composition.

Mafic intrusives were discovered within sedimentary rocks in both the southern and northern parts of the property. Although initial assay results did not reveal any economic concentrations of REE's or precious metals, the scale and geological characteristics of the intrusions have not yet been determined.

5. DISCUSSION AND CONCLUSIONS

A total of sixteen prospecting samples were collected from the Seebach claims and surrounding area in 2010. Several of the samples returned slightly anomalous values for elements such as Zr and Sr.

The regional aeromagnetic anomalies appear to be caused by mafic intrusives. Rock samples collected from the intrusive bodies did not return any values of economic significance; however, the discovery of intrusive bodies on the property is very encouraging considering carbonatite and syenite intrusive systems are present in the region.

The next phase of exploration should consist of a detailed soil sampling, rock sampling and geological mapping program focused on the intrusive bodies and surrounding area. This will give a more accurate idea of the scale and geology of the intrusions, and their economic potential. A more detailed airborne magnetic survey, possibly helicopter-borne, is also recommended in the area to further delineate the existing anomalies and potentially discover new targets.

Andy Hoffman, B.Sc., Geol. I.T.



Patrick Kluczny, B.Sc., P.Geol.

Edmonton, Alberta 2011 01 12

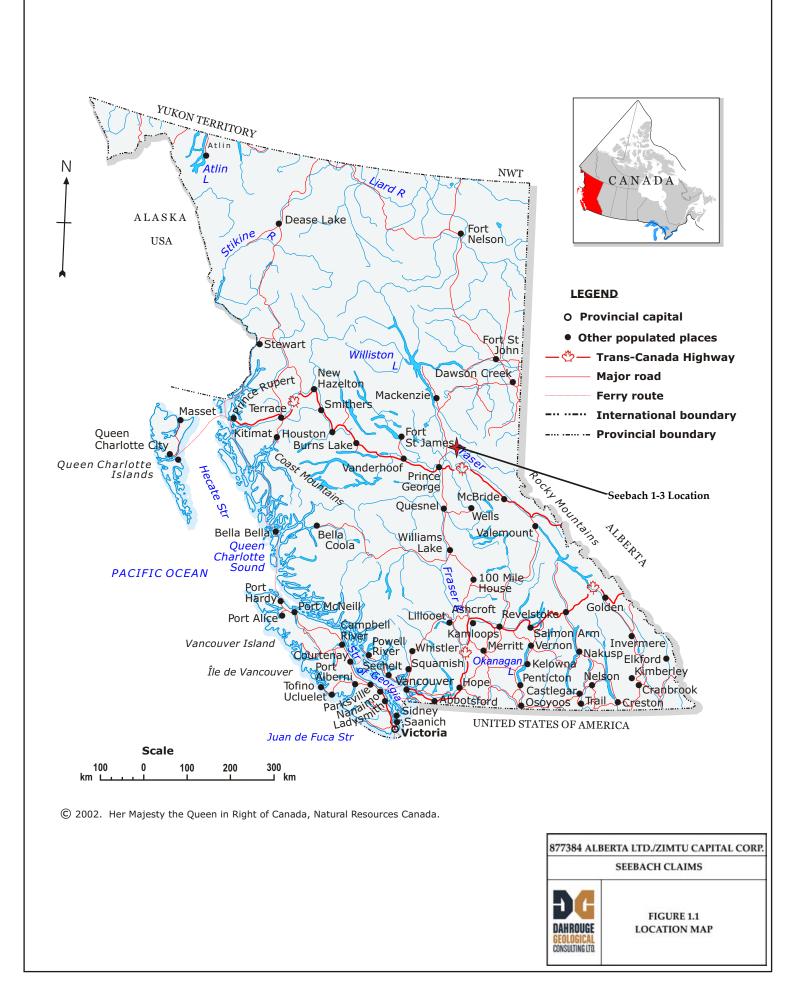
6

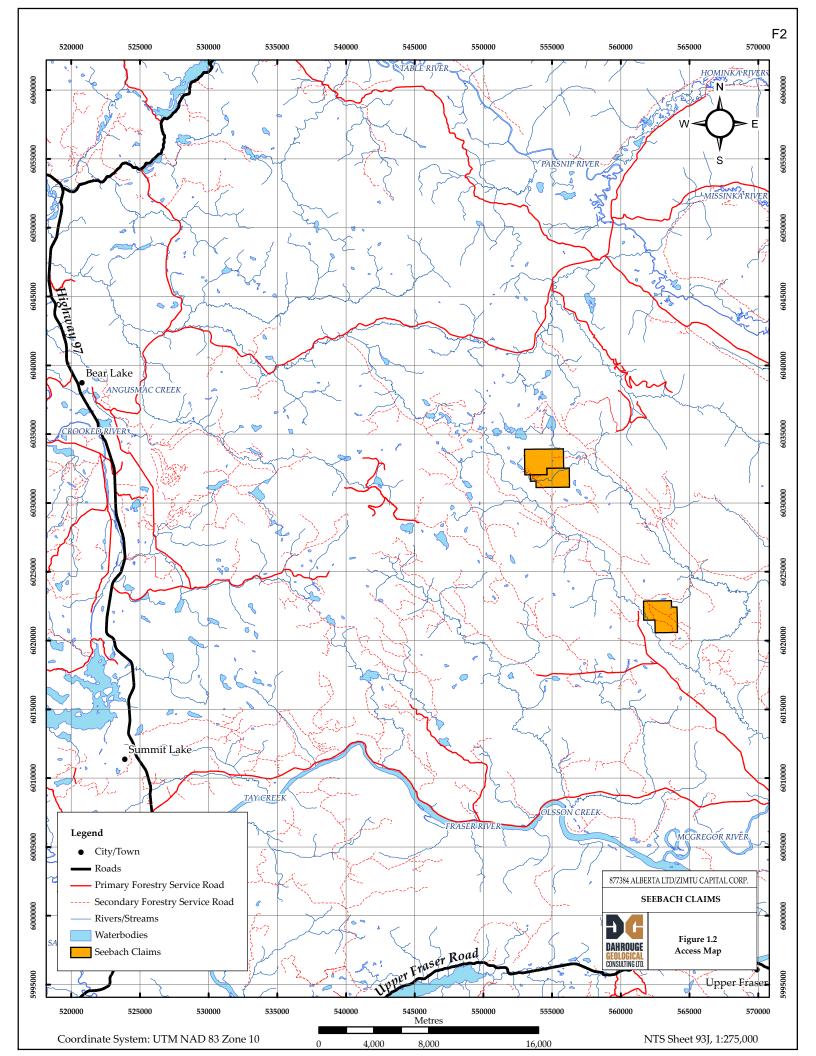
REFERENCES

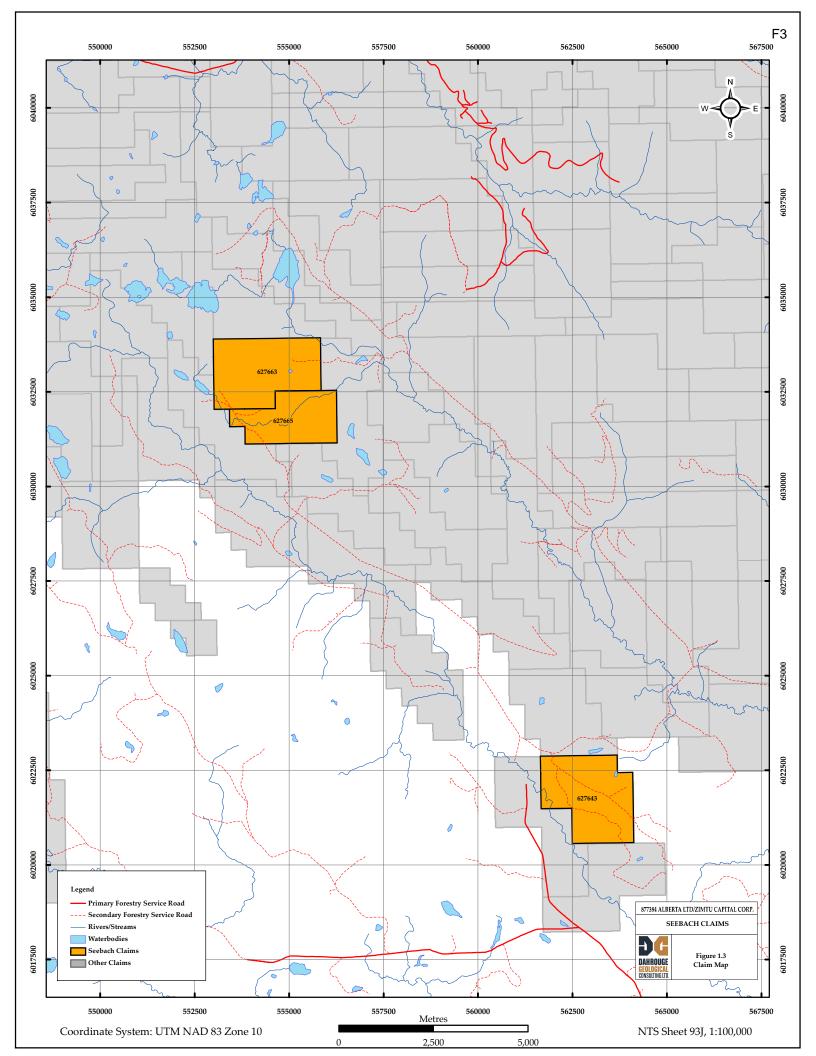
6.

- Bichler, A. and Bobrowsky, P.T. (1999) Barkerville Project: Regional Till Geochemistry (93H/4,5) and Orientation (93A/14) Studies
- B.C. (2000) Minfile Mineral Inventory (about 12,000 mineral occurrences); Geol. Surv. Branch, B.C. Min. Energy, Mines Petr. Res.
- Dahrouge, J.R. and Fraser, S. (2005) 2005 Magnetometer survey and exploration of the Pat claims; B.C. Min. Energy, Mines, Petr. Res. assessment report 27900, 26 p., 7 fig., 4 appendices.
- Dahrouge, J.R. and Kluczny, P.J. (2007a) 2006 exploration of the Hansard-Purden limestone claims; B.C. Min. Energy, Mines, Petr. Res. assessment report 28818, 17 p., 2 fig., 3 appendices.
- Dahrouge, J.R. and Kluczny, P.J. (2007b) 2006 Diamond drilling of the Pat claims; B.C. Min. Energy, Mines, Petr. Res. assessment report 29089, 17 p., 6 fig., 6 appendices.
- Lane, B. (2009) Diamond drilling on the Wicheeda Property; B.C. Min. Energy, Mines, Petr. Res. assessment report 30873, 22 p., 4 fig., 8 appendices.
- Lovang, G. (1987) Trenching, stream silt concentrate and soil sampling on the George Group; B.C. Min. Energy, Mines, Petr. Res. assessment report 16246, 4 p., 5 fig., 1 appendix.
- Mawer, A.B. (1986a) Geological and lake sediment geochemical report, Tach Claim; B.C. Min. Energy, Mines, Petr Res. assessment report 15322, 4 p., 4 fig., 4 appendices.
- Mawer, A.B. (1986b) Geological and geochemical report, Eeda Claim; B.C. Min. Energy, Mines, Petr Res. assessment report 15329, 4 p., 6 fig., 4 appendices.
- Muller, J.E., and Tipper, H.W. (1968) McLeod Lake, British Columbia; Geol. Surv. Can., Map 1204A.
- Struik, L.C. (1979) Stratigraphy and structure of the Barkerville-Cariboo River area, central British Columbia; *in* Current Research Part B, Geol. Surv Can. Paper 79-1B, p. 33 38.
- Struik, L.C. (1981) A re-examination of the type area of the Devono-Mississippian Cariboo orogeny, central British Columbia; Can. J. Earth Sci., v. 18, p. 1767 1775.
- Struik, L.C. (1985) Pre-Cretaceous terranes and their thrust and strike-slip contacts, Prince George (east half) and McBride (west half), British Columbia; *in* Current Research Part A, Geol. Surv. Can. Paper 85-1A, p. 267 - 272.
- Struik, L.C. (1988) Structural geology of the Cariboo gold mining district, east-central British Columbia; Geol. Surv. Can. Mem. 421.
- Struik, L.C. (1989a) Regional geology of the McLeod Lake map areas, British Columbia *in* Current Research Part A, Geol. Surv. Can. Paper 89-1E, p. 109 114.

- Struik, L.C. (1989b) Devonian, Silurian, Cambrian and Precambrian stratigraphy, McLeod Lake area, British Columbia *in* Current Research Part E Cordillera and Pacific Margin, Geol. Surv. Can. Paper 89-1E, p. 119 124.
- Struik, L.C. (1994) Geology of the McLeod Lake Map Area (93J), British Columbia, Geol. Surv. Can. Open File 2439.
- Struik, L.C., and Fuller, E.A. (1988) Preliminary report on the geology of McLeod Lake area, British Columbia *in* Current Research Part E Cordillera and Pacific Margin, Geol. Surv. Can. Paper 88-1E, p. 39 - 42.
- Struik, L.C., Fuller, E.A. and Lynch, T.E. (1990) Geology of Prince George (East Half) Map Area (93 G/E) descriptive notes and fossil list, Geol. Surv. Can. Open File 2172.
- Tipper, H.W. (1960) Prince George map-area, Cariboo District, British Columbia; Geol. Surv. Can. Map 49-1960.
- Tipper, H.W. (1971) Glacial geomorphology and Pleistocene history of central British Columbia; Geol. Surv. Can. Bull. 196.







APPENDIX 1: ITEMIZED COST STATEMENT FOR THE 2010 EXPLORATION

a) <u>Personnel</u>

a) <u>Personnel</u>					
J. Dahrouge, geo	logist				
0.50 days		project supervision			
0.50 days	@	\$ 840.00	\$ 420.00		
A. Hoffman, geolo	ogist				
1.00 days		field work and travel September 22			
6.00 days		project planning and supervision, reporting			
7.00 days	@	\$ 450.00	\$ 3,150.00		
P. Kluczny, geolo	gist				
1.00 days		field work and travel September 22			
<u>3.00</u> days		project planning and supervision, reporting			
4.00 days	@	\$ 590.00	\$ 2,360.00		
Danny Gorham, a	assistan				
1.00 days		field work and travel September 22			
1.00 days	@	\$ 400.00	\$ 400.00		
Thomas Fortier, a	assistan				
1.00 days		field work and travel September 22			
1.00 days	@	\$ 325.00	\$ 325.00	\$	6,655.00
FIELD WORK SU	JMMAR	Y		Ψ	0,000.00
Seebach Claims	Prosp	ecting Program			
Claims SE	EEBACI	H 1-3; 1,261.39 ha			
5 rock, 9 s	soil, 2 s	tream samples collected			
		for outcrops and access			
-	-	A. Hoffman, P. Kluczny, T. Fortier, D. Gorham			
b) <u>Food and Accon</u>	nmodat	ion			
4 man-days	s @	\$ 82.50 accommodations	\$ 330.00		
4 man-days	s @	\$ 55.00 meals	\$ 220.00		
				\$	550.00
c) <u>Transportation</u>					
Vehicles	s:	Tuck Rental	\$ 55.00		
		Taxi	\$ 22.00		
		LR Helicopters	\$ 3,608.00		
		Fuel	\$ 44.00		
			 	\$	3,729.00
				Ψ	0,120.00
d) <u>Instrument Rent</u>	al	Software (ArcGIS)	\$ 55.00		
		Scintillometer	\$ 143.00		
		Garmin GPS	\$ 44.00		
		Iridium Sat Phone	\$ 44.00		
		Radios	\$ 35.20		
		Chainsaw	\$ 33.00		
			 	\$	354.20

e) <u>Drilling</u>

n/a

f) Analyses	Acme Analytical Laboratories Inc.		
11 samples	@ \$ 38.77 soil and stream sediment samples	\$ 426.47	
5 samples	@ \$ 57.24 rock samples	\$ 286.20	
			\$ 712.75
g) Other			
	Courier and Shipping	\$ 11.00	
	Disposable Supplies	\$ 22.00	
	Prints/copies	\$ 1.10	
	Plots	\$ 22.00	
			\$ 56.10
Total			\$ 12,057.05

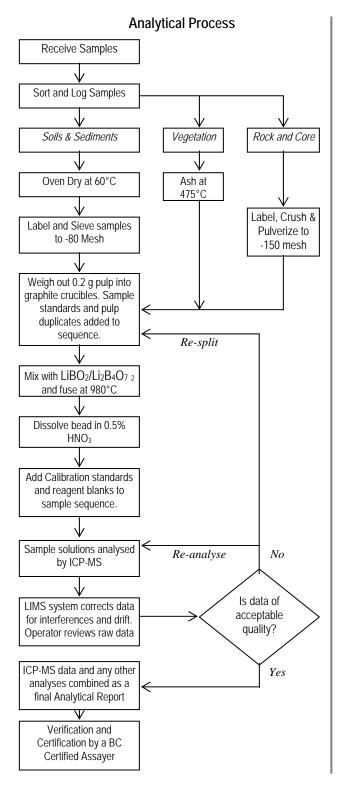
11 Patrick Kluczny, B.Sc., P.Geol.

Edmonton, Alberta January 12, 2011





$\begin{array}{l} \mbox{Methods and Specifications for Analytical Package} \\ \mbox{Group 4B} & - \mbox{Whole Rock Trace Elements by ICP-MS} \end{array}$



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 μ m). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 μ m) in a mild-steel ring-and-puck mill.

Sample Digestion

A 0.2 g samples aliquot is weighed into a graphite crucible and mixed with 1.5 g of LiBO₂/Li₂B₄O_{7 2} flux. The flux/sample charge is heated in a muffle furnace for 30 minutes at 980°C. The cooled bead is dissolved in 100 mL of 5% HNO₃ (ACS grade nitric acid in de-mineralised water). An aliquot of the solution is poured into a polypropylene test tube. Calibration standards, verification standards and reagent blanks are included in the sample sequence.

Sample Analysis

Sample solutions are aspirated into an ICP mass spectrometer (Perkin-Elmer Elan 6000 or 9000) for the determination of the basic package consisting of the following 34 elements: Ba, Co, Cs, Ga, Hf, Nb, Rb, Sn, Sr, Ta, Th, Tl, U, V, W, Y, Zr, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu. A second sample split of 0.5 g is digested in Aqua Regia and analysed by ICP-MS (see Group 1DX) to determine: Au, Ag, As, Bi, Cd, Cu, Hg, Mo, Ni, Pb, Sb, Se, Tl and Zn.

Quality Control and Data Verification

An Analytical Batch comprises 36 samples. QA/QC protocol incorporates a sample-prep blank (G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), a reagent blanks to measure background and an aliquot of in-house Standard Reference Materials like STD SO-18 to monitor accuracy. STD SO-18 was certified in-house against Certified Reference Materials including CANMET SY-4 and USGS AGV-2, G-2, BCR-2 and W-2.

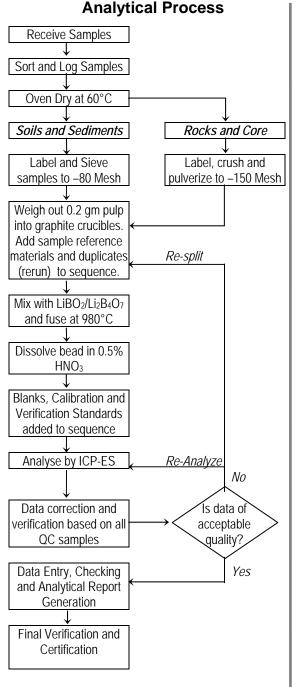
Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client.

852 East Hastings Street, Vancouver, BC Canada V6A 1R6 Phone (604) 253 3158 Fax (604) 253 1716 e-mail: <u>acmeinfo@acmelab.com</u>





METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 4A: WHOLE ROCK ANALYSIS BY ICP



Comments

Sample Preparation

Soil or sediment is dried (60°C) and sieved to -80 mesh (-177 μ m). Vegetation is dried (60°C) and pulverized or ashed (475°C). Moss-mat is dried (60°C), pounded and sieved to yield -80 mesh sediment. Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 95% passing 150 mesh (100 μ m) in a mild-steel ring-and-puck mill.

Sample Digestion

A 0.2 g aliquot is weighed into a graphite crucible and mixed with 1.5 g of LiBO₂/Li₂B₄O₇ flux. Crucibles are placed in an oven and heated to 980°C for 30 minutes. The cooled bead is dissolved in 5% HNO₃ (ACS grade nitric acid diluted in demineralised water). Calibration standards and reagent blanks are added to the sample sequence.

Sample Analysis

Sample solutions are aspirated into an ICP emission spectrograph (Spectro Ciros Vision) for the determination of the basic package consisting of the following 18 major oxides and elements: SiO₂, Al₂O₃, Fe₂O₃, CaO, MgO, Na₂O, K₂O, MnO, TiO₂, P₂O₅, Cr₂O₃, Ba, Nb, Ni, Sr, Sc, Y and Zr. The extended package also includes: Ce, Co, Cu, Ta and Zn. Loss on ignition (LOI) is determined for both packages by igniting a 1 g sample split at 950°C for 90 minutes then measuring the weight loss. Total Carbon and Sulphur are determined by the Leco method (Group 2A).

Quality Control and Data Evaluation

An Analytical Batch (1 page) comprises 36 samples. QA/QC protocol includes inserting a duplicate of pulp to measure analytical precision, a coarse (10 mesh) rejects duplicate to measure method precision (drill core samples only), an analytical blanks to measure background and an aliquot of in-house reference material SO-18 and CSC to measure accuracy in each analytical batch of 36 samples. STD SO-18 was certified in-house against Certified Reference Materials including CANMET SY-4 and USGS AGV-2, BCR-2, GSP-2 and W-2.

Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who must sign the analytical report before release to the client.



CERTIFICATE OF ANALYSIS

See Bach

80040

5

Acme Analytical Laboratories (Vancouver) Ltd.

Client: **Dahrouge Geological Consulting** 18 - 10509 - 81 Ave Edmonton AB T6E 1X7 Canada

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

ADDITIONAL COMMENTS

Submitted By:	Andy Hoffman
Receiving Lab:	Canada-Vancouver
Received:	October 08, 2010
Report Date:	October 25, 2010
Page:	1 of 2

VAN10005343.1

CLIENT JOB INFORMATION

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	5	Crush, split and pulverize 250 g rock to 200 mesh			VAN
4A4B	5	Whole Rock Analysis Majors and Trace Elements	0.2	Completed	VAN

SAMPLE DISPOSAL

Number of Samples:

Project: Shipment ID: P.O. Number

CC:

RTRN-PLP Return RTRN-RJT Return

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

Dahrouge Geological Consulting Invoice To: 18 - 10509 - 81 Ave Edmonton AB T6E 1X7 Canada

CLARENCE LEONG GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.

"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

ß

Page:

Dahrouge Geological Consulting 18 - 10509 - 81 Ave

VAN10005343.1

Edmonton AB T6E 1X7 Canada

Project: See Bach

Report Date: October 25, 2010

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

www.acn	nelab.cor	n

Acme Analytical Laboratories (Vancouver) Ltd.

2 of 2 Part 1

CERTIFICATE OF ANALYSIS

	Method Analyte	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Unit	Wgt kg	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ni ppm	Sc ppm	LOI %	Sum %	Ba ppm	Be ppm	Co ppm	Cs ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
75259	Rock	1.24	44.59	13.28	13.16	6.49	12.47	2.46	0.64	3.17	0.42	0.15	0.026	77	26	2.8	99.68	345	<1	52.2	0.4
75312	Rock	0.73	47.46	14.77	16.07	3.67	3.80	2.96	0.59	3.22	0.27	0.19	0.034	112	25	6.7	99.80	195	2	57.1	1.0
75313	Rock	0.60	43.79	16.18	12.95	3.72	7.70	2.62	0.69	3.63	0.68	0.19	0.036	110	29	7.5	99.69	370	2	56.5	1.0
75314	Rock	0.82	42.18	14.32	13.68	6.71	13.65	1.59	0.32	3.22	0.48	0.19	0.034	109	26	3.3	99.65	404	1	54.4	0.4
75315	Rock	0.29	44.38	13.50	14.21	6.30	8.53	3.38	1.63	2.65	0.32	0.14	0.067	236	34	4.6	99.74	411	1	60.4	0.6



Page:

Dahrouge Geological Consulting 18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

Project: See Bach

Report Date:

October 25, 2010

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

www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

2 of 2 Part 2 VAN10005343.1

CERTIFICATE OF ANALYSIS

		ethod nalyte	4A-4B Ga	4A-4B Hf	4A-4B Nb	4A-4B Rb	4A-4B Sn	4A-4B Sr	4A-4B Ta	4A-4B Th	4A-4B U	4A-4B V	4A-4B W	4A-4B Zr	4A-4B Y	4A-4B La	4A-4B Ce	4A-4B Pr	4A-4B Nd	4A-4B Sm	4A-4B Eu	4A-4B Gd
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
		MDL	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
75259	Rock		19.7	4.5	39.8	13.1	2	573.6	2.5	3.6	1.0	342	<0.5	155.4	23.4	27.8	64.2	7.64	32.2	6.91	2.42	6.50
75312	Rock		19.9	4.1	43.2	26.4	1	247.8	2.6	4.4	1.2	306	0.7	150.0	17.5	24.3	54.5	6.47	27.4	5.34	1.89	4.93
75313	Rock		22.4	5.0	47.6	19.3	1	749.0	2.9	4.6	1.3	337	0.7	165.8	27.8	40.4	85.6	10.14	42.0	8.43	2.80	7.63
75314	Rock		20.5	4.1	44.6	5.3	2	787.4	2.5	3.8	1.0	315	0.5	153.5	23.2	31.3	69.0	8.44	34.9	7.07	2.41	6.29
75315	Rock		19.1	3.5	33.9	31.5	1	304.0	1.9	3.0	0.6	220	<0.5	130.7	16.8	20.9	46.2	5.60	22.9	5.09	1.69	4.70



Page:

Dahrouge Geological Consulting 18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

Part 3

VAN10005343.1

Project: See Bach

Report Date:

October 25, 2010

2 of 2

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

www.acmelab.com

CERTIFICATE OF ANALYSIS

	Method	4A-4B 2	A Leco 2	A Leco	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX						
	Analyte	Tb	Dy	Но	Er	Tm	Yb	Lu	TOT/C	TOT/S	Мо	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au
	Unit	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb						
	MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1	0.1	0.5
75259	Rock	0.96	4.81	0.89	2.12	0.28	1.68	0.24	0.26	0.02	0.7	55.3	2.4	93	55.0	0.5	<0.1	<0.1	<0.1	0.2	4.2
75312	Rock	0.74	3.79	0.66	1.68	0.21	1.37	0.18	0.71	0.10	0.5	53.6	4.5	76	98.4	2.6	<0.1	<0.1	<0.1	<0.1	<0.5
75313	Rock	1.11	5.40	0.98	2.51	0.32	2.16	0.28	1.00	0.06	0.5	69.4	3.2	132	100.6	1.7	<0.1	<0.1	<0.1	<0.1	<0.5
75314	Rock	0.94	4.62	0.79	2.05	0.27	1.68	0.23	0.27	0.03	1.0	57.1	2.5	78	70.8	0.8	<0.1	<0.1	<0.1	<0.1	<0.5
75315	Rock	0.71	3.46	0.65	1.52	0.20	1.29	0.17	0.44	<0.02	0.2	9.1	0.9	59	155.0	<0.5	<0.1	<0.1	<0.1	<0.1	<0.5

A8





Client: Dahrouge Geological Consulting

Project:

Page:

Report Date:

18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

October 25, 2010

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

www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

2 of 2

See Bach

Part 4 VAN10005343.1

CERTIFICATE OF ANALYSIS

	Metho	d 1DX	1DX	1DX
	Analyte	e Hg	TI	Se
	Uni	t ppm	ppm	ppm
	MDI	L 0.01	0.1	0.5
75259	Rock	<0.01	<0.1	<0.5
75312	Rock	<0.01	<0.1	<0.5
75313	Rock	<0.01	<0.1	<0.5
75314	Rock	<0.01	<0.1	<0.5
75315	Rock	<0.01	<0.1	<0.5

β

Acme Analytical Laboratories (Vancouver) Ltd.

Project:	See Bach	

1 of 1

Report Date:

Page:

Client:

October 25, 2010

18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

Part 1

Dahrouge Geological Consulting

VAN10005343.1

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

www.acmelab.com

QUALITY CONTROL REPORT

	Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	WGHT	SiO2	AI2O3	Fe2O3	MgO	CaO	Na2O	4A-4D K2O	TiO2	P2O5	MnO	Cr2O3	HA-HD Ni	Sc	LOI	Sum	4д-4D Ва	HA-4D Be	Co	4A-4D Cs
	Unit	kg	%	%	%	go %	%	% %	%	%	· 200 %	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
Pulp Duplicates																					
75312	Rock	0.73	47.46	14.77	16.07	3.67	3.80	2.96	0.59	3.22	0.27	0.19	0.034	112	25	6.7	99.80	195	2	57.1	1.0
REP 75312	QC																				
Reference Materials																					
STD CSC	Standard																				
STD DS7	Standard																				
STD OREAS45PA	Standard																				
STD OREAS76A	Standard																				
STD SO-18	Standard		58.29	14.03	7.57	3.36	6.31	3.68	2.13	0.69	0.83	0.39	0.547	50	24	1.9	99.74	525	<1	27.2	7.3
STD SO-18	Standard		58.03	14.08	7.65	3.38	6.36	3.72	2.16	0.70	0.83	0.40	0.554	45	25	1.9	99.76	510	<1	25.8	7.0
STD CSC Expected																					
STD OREAS76A Expected																					
STD DS7 Expected																					
STD OREAS45PA Expected																					
STD SO-18 Expected			58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1
Prep Wash																					
G1	Prep Blank	<0.01	66.70	15.91	3.44	1.21	3.64	3.68	3.66	0.40	0.19	0.10	<0.002	<20	6	0.8	99.75	1047	3	4.7	4.9

Client: **Dahrouge Geological Consulting**

18 - 10509 - 81 Ave Edmonton AB T6E 1X7 Canada

See Bach Report Date:

1 of 1

Project:

Page:

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

www.acmelab.com

October 25, 2010

Acme Analytical Laboratories (Vancouver) Ltd.

Part 2 VAN10005343.1

QUALITY CONTROL REPORT

	Method	4A-4B																			
	Analyte	Ga	Hf	Nb	Rb	Sn	Sr	Та	Th	U	v	w	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
	Unit	ppm																			
	MDL	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
Pulp Duplicates																					
75312	Rock	19.9	4.1	43.2	26.4	1	247.8	2.6	4.4	1.2	306	0.7	150.0	17.5	24.3	54.5	6.47	27.4	5.34	1.89	4.93
REP 75312	QC																				
Reference Materials																					
STD CSC	Standard																				
STD DS7	Standard																				
STD OREAS45PA	Standard																				
STD OREAS76A	Standard																				
STD SO-18	Standard	17.9	9.1	22.7	29.2	16	416.8	7.0	9.9	16.5	212	14.6	295.9	32.0	12.5	28.4	3.41	13.8	2.95	0.87	2.98
STD SO-18	Standard	17.3	9.0	22.0	28.7	15	404.0	7.0	9.7	16.2	203	14.4	286.9	31.4	12.0	27.1	3.27	13.7	2.80	0.83	2.87
STD CSC Expected																					
STD OREAS76A Expected																					
STD DS7 Expected																					
STD OREAS45PA Expected																					
STD SO-18 Expected		17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45	14	3	0.89	2.93
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	1.3	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
Prep Wash																					
G1	Prep Blank	19.2	3.9	29.6	140.7	2	764.3	1.8	13.0	3.6	53	<0.5	139.5	17.9	31.4	65.2	7.17	27.0	4.49	1.10	3.50

Prep Wash G1

Acme Analytical Laboratories (Vancouver) Ltd.

Client: **Dahrouge Geological Consulting** 18 - 10509 - 81 Ave

Part 3

Edmonton AB T6E 1X7 Canada

Project:	See Bach
Report Date:	October 25, 2010

Page:

1 of 1

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

Prep Blank

0.53

2.87

0.56

1.66

0.27

1.86

0.29

0.03

< 0.02

0.1

2.0

14.1

45

3.0

2.6

<0.1

0.2

www.acmelab.com

VAN10005343.1

1DX

ppm

0.1

<0.1

4.5

0.2

4.5

0.18

<0.1

<0.1

Bi

1DX

ppm

0.1

<0.1

0.9

0.3

0.9

0.3

<0.1

<0.1

Ag

1DX

ppb

0.5

< 0.5

56.7

44.8

70

43

< 0.5

<0.5

Au

QUALITY CON	NTROL	REP	OR	Г												VA	N10	0053
	Method Analyte	4A-4B Tb	4A-4B Dy	4A-4B Ho	4A-4B Er	4A-4B Tm	4A-4B Yb	4A-4B 2 Lu	A Leco 2 TOT/C	A Leco TOT/S	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ni	1DX As	1DX Cd	1DX Sb
	Unit	ppm	%	%	ppm													
	MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
Pulp Duplicates																		
75312	Rock	0.74	3.79	0.66	1.68	0.21	1.37	0.18	0.71	0.10	0.5	53.6	4.5	76	98.4	2.6	<0.1	<0.1
REP 75312	QC								0.72	0.10								
Reference Materials																		
STD CSC	Standard								3.14	4.18								
STD DS7	Standard										20.7	94.9	64.0	372	52.7	47.3	6.0	4.6
STD OREAS45PA	Standard										1.1	595.4	17.2	113	293.7	3.9	<0.1	0.2
STD OREAS76A	Standard								0.13	17.78								
STD SO-18	Standard	0.50	3.02	0.62	1.86	0.27	1.83	0.27										
STD SO-18	Standard	0.47	2.85	0.60	1.82	0.27	1.73	0.26										
STD CSC Expected									2.94	4.25								
STD OREAS76A Expected									0.16	18								
STD DS7 Expected											20.5	109	70.6	411	56	48.2	6.4	4.6
STD OREAS45PA Expected											0.9	600	19	119	281	4.2	0.09	0.13
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27										
BLK	Blank								<0.02	<0.02								
BLK	Blank										<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01										

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.

	18 - 10509 - 81 Ave Edmonton AB T6E 1X7 Canada
Project:	See Bach

Client:

Report Date:

Page:

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

www.acmelab.com

October 25, 2010

1 of 1

Part 4

Dahrouge Geological Consulting

QUALITY CONTROL REPORT

	Method	1DX	1DX	1DX
	Analyte	Hg	ті	Se
	Unit	ppm	ppm	ppm
	MDL	0.01	0.1	0.5
Pulp Duplicates				
75312	Rock	<0.01	<0.1	<0.5
REP 75312	QC			
Reference Materials				
STD CSC	Standard			
STD DS7	Standard	0.20	3.9	3.0
STD OREAS45PA	Standard	0.02	<0.1	<0.5
STD OREAS76A	Standard			
STD SO-18	Standard			
STD SO-18	Standard			
STD CSC Expected				
STD OREAS76A Expected				
STD DS7 Expected		0.2	4.2	3.5
STD OREAS45PA Expected		0.03	0.07	0.54
STD SO-18 Expected				
BLK	Blank			
BLK	Blank	<0.01	<0.1	<0.5
BLK	Blank			
Prep Wash				
G1	Prep Blank	<0.01	0.3	<0.5

VAN10005343.1



CERTIFICATE OF ANALYSIS

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Dahrouge Geological Consulting** 18 - 10509 - 81 Ave Edmonton AB T6E 1X7 Canada

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Method

Code

SS80

RJSV

4B02

Dry at 60C

Submitted By:	Andy Hoffman
Receiving Lab:	Canada-Vancouver
Received:	October 08, 2010
Report Date:	October 18, 2010
Page:	1 of 2

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Dry at 60C

Code Description

Dry at 60C sieve 100g to -80 mesh

LiBO2/Li2B4O7 fusion ICP-MS analysis

Saving all or part of Soil Reject

Number of

Samples

11

11

11

11

ADDITIONAL COMMENTS

VAN10005342.1

Test

0.2

Wgt (g)

Report

Status

Completed

Lab

VAN

VAN

VAN

VAN

CLIENT JOB INFORMATION

Project:	See Bach
Shipment ID:	
P.O. Number	80040
Number of Samples:	11

SAMPLE DISPOSAL

RTRN-PLP Return RTRN-RJT Return

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

Dahrouge Geological Consulting Invoice To: 18 - 10509 - 81 Ave Edmonton AB T6E 1X7 Canada

CC:

CLARENCE LEONG GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.

"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Project:

Page:

Dahrouge Geological Consulting 18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

See Bach

Report Date:

October 18, 2010

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

www.acmelab.com

2 of 2 Part 1 VAN10005342.1

CERTIFICATE OF ANALYSIS

	N	/lethod	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Α	nalyte	Ва	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Та	Th	U	v	w	Zr	Y	La	Ce	Pr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
75256	Soil		394	<1	4.0	1.6	8.3	7.5	19.5	46.7	1	71.3	0.9	7.3	1.9	46	0.9	287.9	17.6	36.0	73.9	8.65
75257	Soil		539	<1	7.2	1.8	11.9	7.8	21.0	65.0	1	104.0	1.1	11.4	2.2	64	1.0	297.5	18.1	64.7	121.3	12.77
75258	Soil		306	<1	4.6	1.4	8.8	9.8	14.9	54.0	<1	49.3	1.0	7.6	1.9	71	0.8	388.1	16.2	31.9	64.6	6.99
75260	Soil		451	<1	9.6	3.9	16.0	7.6	37.4	80.4	2	69.7	2.1	9.8	2.5	137	1.2	286.5	18.4	40.6	80.8	8.82
75261	Soil		520	<1	4.9	3.2	16.4	10.5	23.7	90.1	2	85.5	1.5	10.1	2.8	130	1.5	389.2	22.3	40.3	82.6	9.05
75316	Soil		632	<1	10.0	2.6	12.1	9.8	25.4	52.4	1	81.1	1.5	10.7	3.0	120	1.2	380.6	27.9	43.6	92.4	9.90
75317	Soil		345	<1	4.8	4.4	15.4	8.5	19.7	82.9	2	57.7	1.2	9.7	3.4	189	1.2	319.1	18.1	29.7	60.0	6.59
75318	Soil		471	<1	6.3	3.2	12.7	8.9	21.7	80.5	1	69.9	1.4	9.2	2.9	156	1.1	350.8	19.4	34.3	75.5	7.96
75319	Soil		623	<1	7.1	1.6	10.6	10.2	24.6	42.8	1	72.2	1.4	9.3	2.5	85	1.0	425.6	24.7	35.8	73.2	8.20
75320	Soil		330	<1	6.1	1.8	11.5	9.1	23.3	59.0	1	59.3	1.5	8.9	2.3	88	0.9	347.6	17.8	36.5	81.0	8.34
75321	Soil		421	<1	5.7	3.4	14.8	10.1	28.1	76.5	2	76.4	1.7	11.3	2.8	113	1.3	396.2	24.1	43.7	92.6	9.78



Project:

Page:

Dahrouge Geological Consulting 18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

See Bach

Report Date:

October 18, 2010

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

www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

2 of 2 Part 2 \/AN10005342 1

	Method Analyte	4B Nd	4B Sm	4B	4B Gd	4B Tb	4B	4B	4B Er	4B Tree	4B Yb	4B	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX	1DX	1DX Cd	1DX Sb	1DX
	Unit			Eu			Dy	Ho		Tm		Lu					Ni	As			Bi
	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm 4	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1
75256	Soil	36.3	6.39	1.13	4.20	0.55	3.14	0.59	1.76	0.28	1.81	0.28	0.1	2.9	2.9	42	12.1	0.6	<0.1	<0.1	<0.1
75257	Soil	46.0	6.71	1.26	4.63	0.63	3.45	0.61	1.86	0.28	1.87	0.27	0.2	5.3	5.9	58	24.2	0.9	<0.1	<0.1	<0.1
75258	Soil	25.1	3.62	0.66	2.71	0.45	2.83	0.58	1.74	0.28	1.92	0.29	0.8	7.7	8.9	25	6.8	3.1	0.1	0.3	0.1
75260	Soil	32.9	4.92	1.04	3.78	0.58	3.22	0.65	1.98	0.30	2.01	0.29	2.0	28.9	8.6	29	47.0	3.8	0.3	0.2	0.2
75261	Soil	33.0	5.03	0.96	4.04	0.66	3.82	0.78	2.39	0.38	2.53	0.39	1.2	15.4	13.4	37	11.9	5.0	0.4	0.2	0.2
75316	Soil	37.4	5.98	1.23	5.05	0.82	4.90	0.97	2.92	0.44	2.90	0.43	2.4	21.7	7.8	67	39.5	4.3	0.2	0.4	0.1
75317	Soil	24.3	3.70	0.66	2.87	0.48	3.05	0.60	1.97	0.30	2.20	0.33	9.1	38.2	17.6	119	28.6	9.0	0.2	1.6	0.3
75318	Soil	30.6	4.55	0.83	3.48	0.55	3.21	0.64	2.10	0.33	2.27	0.34	5.6	24.8	11.3	96	26.1	7.0	0.8	0.9	0.2
75319	Soil	31.2	4.96	1.04	4.22	0.67	4.05	0.79	2.40	0.36	2.31	0.35	1.4	11.2	7.4	39	24.4	3.8	0.4	0.2	0.1
75320	Soil	31.1	4.77	0.83	3.51	0.54	3.19	0.65	1.88	0.29	1.93	0.29	1.8	13.1	10.5	35	21.5	4.0	<0.1	0.3	0.1
75321	Soil	36.8	5.31	1.01	4.12	0.66	3.89	0.79	2.47	0.36	2.48	0.37	1.3	25.1	9.7	33	14.9	3.6	0.2	0.3	0.2

AcmeLabs

CERTIFICATE OF ANALYSIS



Client: Dah

Project:

Page:

Report Date:

Dahrouge Geological Consulting 18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

Part 3

October 18, 2010

See Bach

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

www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

2 of 2

CERTIFICATE OF ANALYSIS

		Method	1DX	1DX	1DX	1DX	1DX
		Analyte	Ag	Au	Hg	ті	Se
		Unit	ppm	ppb	ppm	ppm	ppm
		MDL	0.1	0.5	0.01	0.1	0.5
75256	Soil		<0.1	<0.5	0.02	<0.1	<0.5
75257	Soil		<0.1	<0.5	0.02	<0.1	0.7
75258	Soil		<0.1	<0.5	0.01	<0.1	<0.5
75260	Soil		0.3	0.5	0.07	<0.1	<0.5
75261	Soil		0.4	0.6	0.05	<0.1	0.6
75316	Soil		0.4	1.1	0.06	0.2	1.1
75317	Soil		2.8	1.0	0.11	0.3	4.7
75318	Soil		0.8	0.6	0.07	0.2	2.7
75319	Soil		0.3	<0.5	0.03	<0.1	1.4
75320	Soil		0.1	0.6	0.03	<0.1	0.7
75321	Soil		0.1	<0.5	0.02	<0.1	<0.5

VAN10005342.1

Acme Analytical Laboratories (Vancouver) Ltd.

Client:	Dahrouge Geological Consulting
	18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

Project:	See Bach
Report Date:	October 18, 2010

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

www.acmelab.com

												Page:		1 of 1	Pa	rt 1					
QUALITY COI	QUALITY CONTROL REPORT VAN10005342.1																				
	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Ва	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Та	Th	U	v	w	Zr	Y	La	Ce	Pr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
Pulp Duplicates																					
75319	Soil	623	<1	7.1	1.6	10.6	10.2	24.6	42.8	1	72.2	1.4	9.3	2.5	85	1.0	425.6	24.7	35.8	73.2	8.20
REP 75319	QC																				
Reference Materials																					
STD DS7	Standard																				
STD OREAS45PA	Standard																				
STD SO-18	Standard	530	1	26.8	7.1	18.0	10.0	22.4	28.3	15	410.8	7.5	9.8	15.8	208	14.6	301.4	30.2	12.0	27.2	3.31
STD SO-18	Standard	515	1	26.8	7.0	17.8	9.5	22.3	28.3	15	410.3	7.1	9.9	15.9	213	14.5	299.6	29.8	11.7	26.8	3.22
STD DS7 Expected																					
STD OREAS45PA Expected																					
STD SO-18 Expected		514	1	26.2	7.1	17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45
BLK	Blank																				
BLK	Blank	<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02

A18

Acme Analytical Laboratories (Vancouver) Ltd.

Project:	See Bach

1 of 1

Report Date:

Page:

Client:

October 18, 2010

18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

Part 2

Dahrouge Geological Consulting

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

www.acmelab.com

QUALITY CONTROL REPORT VAN10005342.1 Method 1DX 1DX 1DX 4B 1DX 1DX 1DX 1DX 1DX 1DX Analyte Тb Dy Bi Nd Sm Eu Gd Нο Er Tm Yb Lu Мо Cu Pb Zn Ni As Cd Sb Unit ppm MDL 0.3 0.05 0.02 0.05 0.01 0.05 0.02 0.03 0.01 0.05 0.01 0.1 0.1 1 0.1 0.5 0.1 0.1 0.1 0.1 Pulp Duplicates 75319 Soil 31.2 4.96 1.04 4.22 0.67 0.79 2.40 0.36 2.31 0.35 1.4 11.2 7.4 39 24.4 3.8 0.4 0.2 0.1 4.05 QC REP 75319 1.5 11.2 7.4 39 23.8 3.9 0.5 0.2 0.1 **Reference Materials** STD DS7 Standard 22.3 109.5 69.6 399 56.0 49.8 6.2 5.0 4.7 0.2 0.2 STD OREAS45PA Standard 1.1 622.0 21.1 120 296.7 5.4 0.1 STD SO-18 Standard 13.9 2.79 0.84 2.84 0.48 2.85 0.60 1.77 0.28 1.73 0.27 STD SO-18 Standard 13.3 2.75 0.82 2.77 0.48 2.79 0.59 1.70 0.27 1.76 0.26 STD DS7 Expected 20.5 109 70.6 411 56 48.2 6.4 4.6 4.5 STD OREAS45PA Expected 0.9 600 19 119 281 4.2 0.09 0.13 0.18 STD SO-18 Expected 14 3 0.89 2.93 0.53 3 0.62 1.84 0.27 1.79 0.27 BLK Blank < 0.1 < 0.1 < 0.1 <1 <0.1 <0.5 < 0.1 <0.1 <0.1 BLK Blank <0.3 < 0.05 < 0.02 < 0.05 < 0.01 < 0.05 < 0.02 < 0.03 < 0.01 < 0.05 < 0.01



Dahrouge Geological Consulting 18 - 10509 - 81 Ave

Edmonton AB T6E 1X7 Canada

Part 3

See Bach

1 of 1

Report Date: C

Client:

Project:

Page:

October 18, 2010

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

www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

QUALITY CONTROL REPORT

	Method	1DX	1DX	1DX	1DX	1DX
	Analyte	Ag	Au	Hg	ті	Se
	Unit	ppm	ppb	ppm	ppm	ppm
	MDL	0.1	0.5	0.01	0.1	0.5
Pulp Duplicates						
75319	Soil	0.3	<0.5	0.03	<0.1	1.4
REP 75319	QC	0.3	<0.5	0.03	<0.1	1.4
Reference Materials						
STD DS7	Standard	0.9	57.1	0.23	4.1	3.2
STD OREAS45PA	Standard	0.3	57.2	0.03	<0.1	0.9
STD SO-18	Standard					
STD SO-18	Standard					
STD DS7 Expected		0.9	70	0.2	4.2	3.5
STD OREAS45PA Expected		0.3	43	0.03	0.07	0.54
STD SO-18 Expected						
BLK	Blank	<0.1	<0.5	<0.01	<0.1	<0.5
BLK	Blank					

VAN10005342.1

APPENDIX 5: STATEMENT OF QUALIFICATIONS

The field work described in this report was supervised by Patrick Kluczny, P.Geol.

P. Kluczny is a geological consultant with Dahrouge Geological Consulting Ltd. based in Edmonton, Alberta. He obtained a degree in Geology from the University of Alberta, Edmonton in 2006 and has been employed in the mineral exploration industry since. He is registered as a P.Geol. with the Association of Professional Engineers, Geologists, and Geophysicists of Alberta.

A. Hoffman is a geological consultant with Dahrouge Geological Consulting Ltd. based in Edmonton, Alberta. He obtained a degree in Geology from the University of Alberta, Edmonton in 2009 and has been employed in the mineral exploration industry since. He is registered as a Geol. I.T. with the Association of Professional Engineers, Geologists, and Geophysicists of Alberta.

