

**BC Geological Survey
Assessment Report
34410**

Prospecting Report

JOCELYN CLAIM

NTS 082F03SW

N49° 09' 51" W 117° 14' 04"

11U 482906E 5445737N

NELSON MINING DIVISION

Martin Ross
PO Box 323
Salmo BC V0G 1Z0

Feb 02, 2013

**PROSPECTING REPORT
JOCELYN MINERAL CLAIM**

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INTRODUCTION

The claim lies adjacent to the HB Mine (082FSW009) an important lead-zinc producer in the Salmo Belt. Historically limited prospecting has taken place due to heavy overburden. Recent construction of the new Woodchuck Forest Service Road and logging has improved access.

PROPERTY LOCATION AND ACCESS

Proceed 5.6 kilometers south of Salmo BC on Airport Road. Turn left on Sheep Creek Road for 2.5 kilometers easterly. Sheep Creek Road is an all-weather gazetted gravel road with year round access to the new Woodchuck FSR. Proceed 550 meters northwesterly along the Woodchuck FSR to the southern boundary of the claim. The Woodchuck FSR extends for the full length of the claim. Active logging on the claim in 2012 improved conditions over large areas for prospecting. Limited trail building was undertaken and few areas of bedrock were exposed in the heavy overburden.

The claim lies at the western edge of the Salmo Belt within the famed Kootenay Arc to the west of the HB Mine and northwest of the Canex Mine.

TENURE

Table 1. **Tenure and Property**

Tenure Number	Tenure Type	Owner	Map Number	Good to Date	Status	Mining Division	Area (ha)
845525	Mineral	203025	82F	2014/MAY/01	GOOD	Nelson	211.1
950532	Mineral	203025	82F	2014/MAY/01	GOOD	Nelson	528.1
953809	Mineral	203025	82F	2014/MAY/01	GOOD	Nelson	105.6
984462	Mineral	203025	82F	2014/MAY/01	GOOD	Nelson	105.6

HISTORY

Due to the claim's proximity to both the mines of the Salmo Belt and Sheep Creek Gold camp the general area has been heavily prospected. The northern two thirds of the claim is heavily covered in overburden with limited outcropping which limited any finds in earlier prospecting attempts. Review of historical references has turned up no information pertaining to exploration activity within the claim boundaries.

GEOLOGY

REGIONAL

Regional mapping depicts the claim area largely within an assumed area of the Upper Laib Formation of the Cambrian period. The formation is sedimentaries consisting of mica schist, micaceous quartzite, calcareous phyllite and minor limestone. The property is bordered to the north, northwest and south by the granodiorite of the Cretaceous Anstey Pluton. To the east lies the Laib formation, sedimentaries with phyllite, limestone and dolomite. A thrust fault generally extends north, south along Woodchuck creek.

PROPERTY

The claim is covered in heavy overburden except for an area in the southeast of the claim. Road construction cut numerous upturned layered units of varying rock types. A lower elevation area of siliceous argillite rock cut contained swarms of sub-centimeter and centimeter narrow quartz veining. Two areas viewed consisted of highly oxidized, fractured and sheared zones of siliceous rock. Exposed in the bank cut of the road, both extended for of 100-125 meters and trended east west. Generally it appeared as an argillized phyllite with numerous centimeter wide quartz veins swarming throughout. Another unit 30 meters in width was comprised of fine bedded pyrites in dolomite exposed at a switchback.

MINERALIZATION

At the lower site, siliceous argillite had fine pyrites visible. Assays for 2011 returned anomalous amounts of some Rare Earth Elements (REEs), although a full rare earth element spectrum was not completed. Anomalous amounts of REEs were evident in 2012 sampling results. Visible mineralization in the rusty sheared and fractured areas consisted of pyrite in the quartz veining. No notable values were returned from sampling of this unit. Fine pyrite was evident in the dolomite. No notable values were returned from sampling of this unit. An area of road cut 50 meters south of Woodchuck Creek exposed areas of a metallic material with a gray lustre and greasy feel. These areas were sampled for graphite with only negligible amounts indicated in the sampling results.

Table 2. **Sample Result** (ppm or %)

Element	Be	Ce	Co	Cs	Ga	Hf	Nb	Rb	Sr	V	Sc	Sr	V	Y	Zr
Sample WC1208	5.0	93.8	24.2	8.6	19.2	4.3	16.5	162.6	164.1	79.0	14.7	557.9	72	26.6	159.4
	La	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu		
	47.1	10.9	41.7	6.93	1.21	5.7	0.85	4.81	1.0	2.72	0.41	2.82	0.4		

Element	C/GRA%
Sample WC1201	0.07
WC1202	0.03

EXPLORATION

The full extent of the FSR had not been prospected in 2011. Further prospecting of the various cut bank areas exposing rock from the road construction were prospected in 2012 and a sample taken for rare earths of the area sampled in the previous season. Two samples were taken from an area of road cut for graphite potential. General prospecting of the logged areas was undertaken when possible as the area was active throughout the season. Limited bedrock exposures of sedimentaries similar to others

on the site were found, were small in area (the largest up to approximately 2 meter²) and did not show signs of mineralization. Geological inferences as to strike and dip were not readily apparent.

SAMPLE PREPARATION AND ANALYSES

Rock samples were collected in sealable plastic bags, tagged and sent via priority post to Acme Laboratories (Vancouver) Ltd. Geochemical analyses were conducted using ICP and fire assay techniques. A detailed description of analysis techniques is provided in Appendix III.

CONCLUSIONS

The claim area lies within the assumed boundaries of the Upper Laib formation the northern portion includes a contact with the Anstey Pluton. Due to heavy overburden most of the claim area has not been well prospected, but recent road construction has allowed for numerous rock cuts to be made visible. Geology is indicative of both Upper Laib and Laib formations. A sample site at the southern boundary of the property in an oxidized area has produced anomalous results of Rare Earth Elements (REEs). Completion of logging operations will allow for further prospecting opportunities on the property.

REFERENCES

- Fyles, J.T. and Hewlett, C.G.-** (1959) Stratigraphy and Structure of the Salmo Lead-Zinc Area, Bulletin No. 41
- Little, H.W.-** (1965) Geological Survey of Canada, Map 1145A, Geology Salmo British Columbia
- Mathews, W.H.-** (1953) Geology of the Sheep Creek Camp. British Columbia Department of Mines, Bulletin No. 31
- Paradis, S., MacLeod, R.F. and Emperingham, R.** (Compilers)- (2009): Bedrock Geology, Salmo, British Columbia. Geological Survey of Canada, Open File 6048
- Walker, J.F.-** (1934) Geology and Mineral Deposits of Salmo Map-area, British Columbia. Geological Survey of Canada, Memoir 172
- Walker, J.F. and Steeves, S.M.-** (1934) Geological Survey of Canada, Map 299A, Salmo Sheet, Kootenay District, British Columbia

AUTHOR'S QUALIFICATIONS

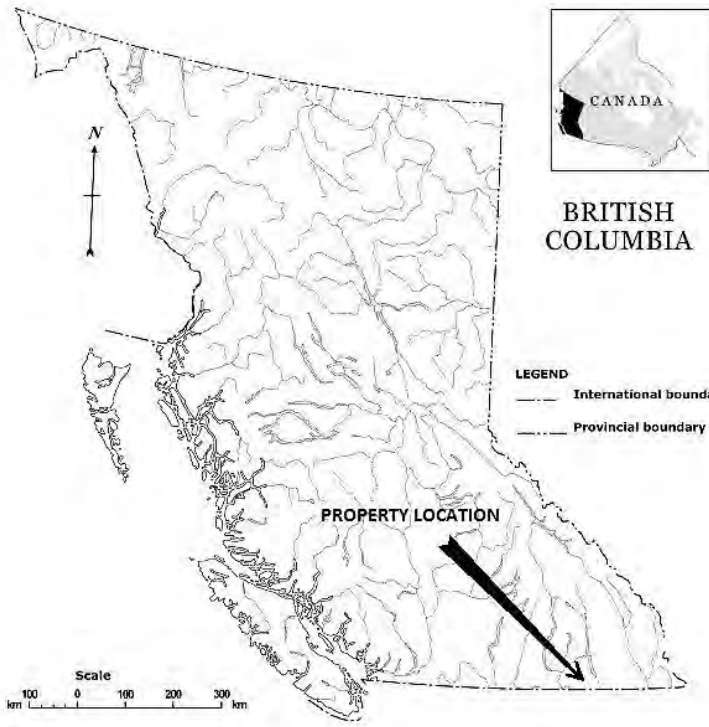
I MARTIN ROSS residing at 20 Nasa Villas, Dubai, United Arab Emirates, certify as author of this report:

- 1) I am tenure holder of the Jocelyn Claim (845525, 950532, 953809, 984462);
- 2) I have prepared the report: "Prospecting Report, Jocelyn Mineral Claim, Nelson Mining Division" dated Feb 2013 and am responsible for its content;
- 2) I have been an active prospector for 10 years and was directly involved in the 2012 exploration of the Jocelyn Claim;
- 3) I am a graduate of Selkirk College with a diploma in Aviation Technology;
- 4) I am a graduate of the Rossland School of Mining with a certificate in Underground Mining.

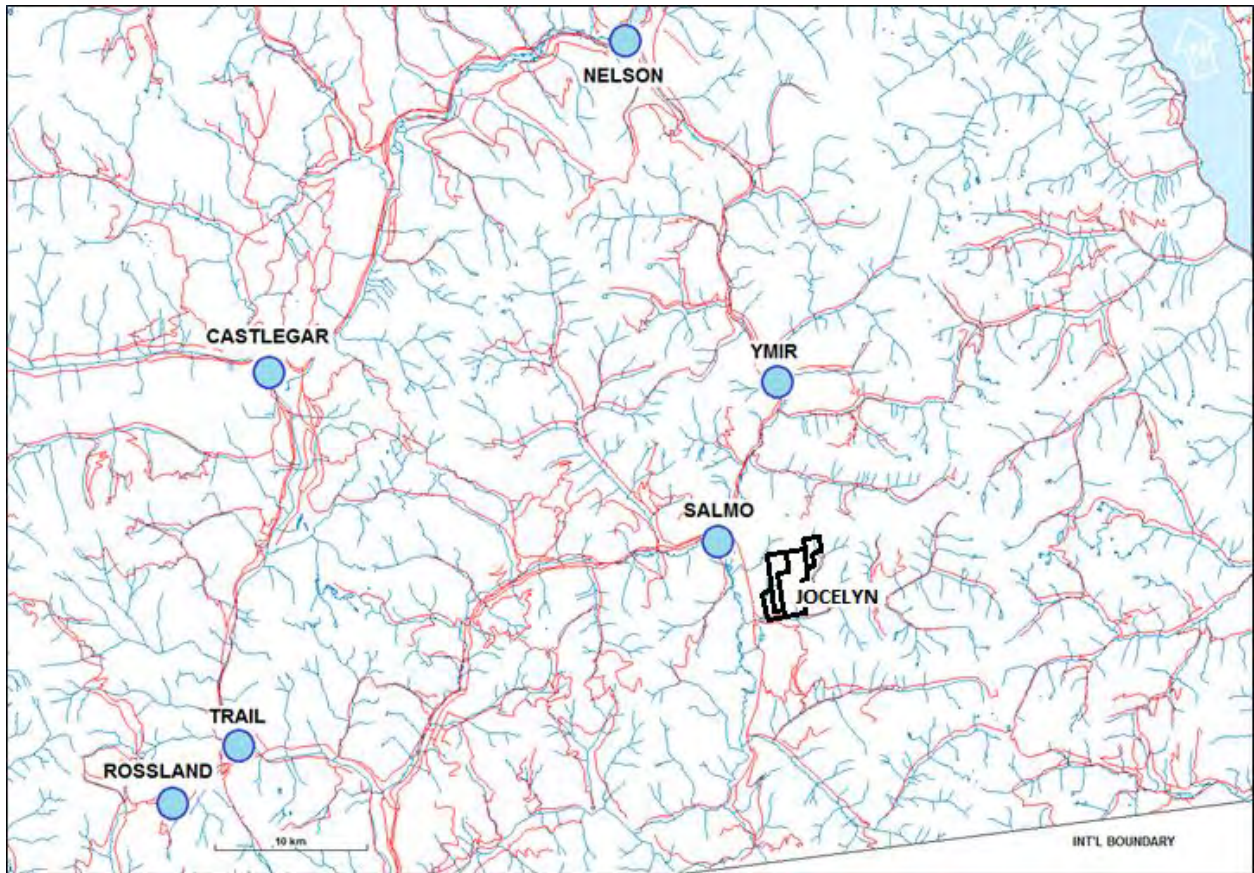
This day the 02nd of Feb 2013...



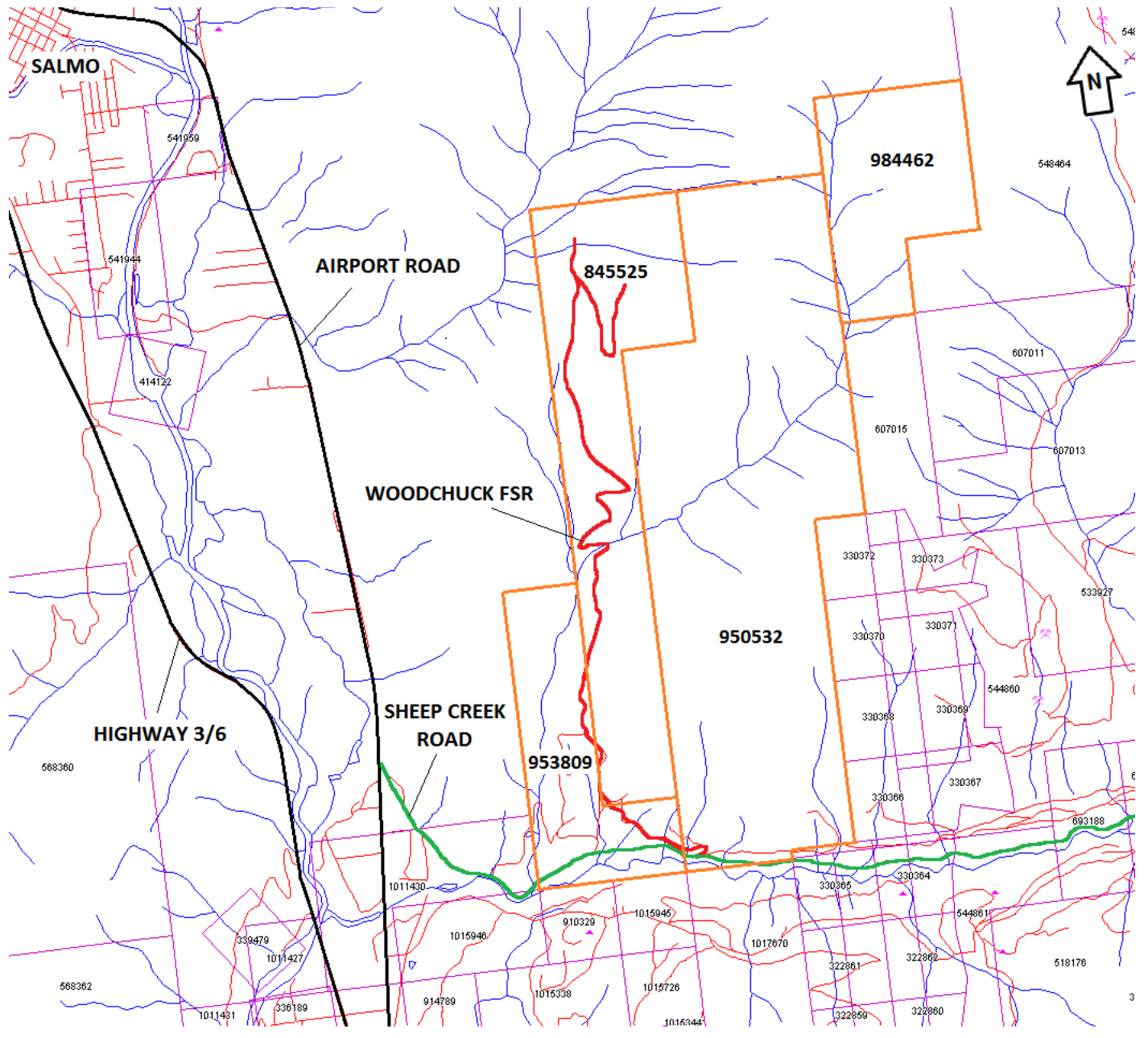
Martin Ross










**JOCELYN MINERAL CLAIM
 PROPERTY AND CLAIM LOCATION**

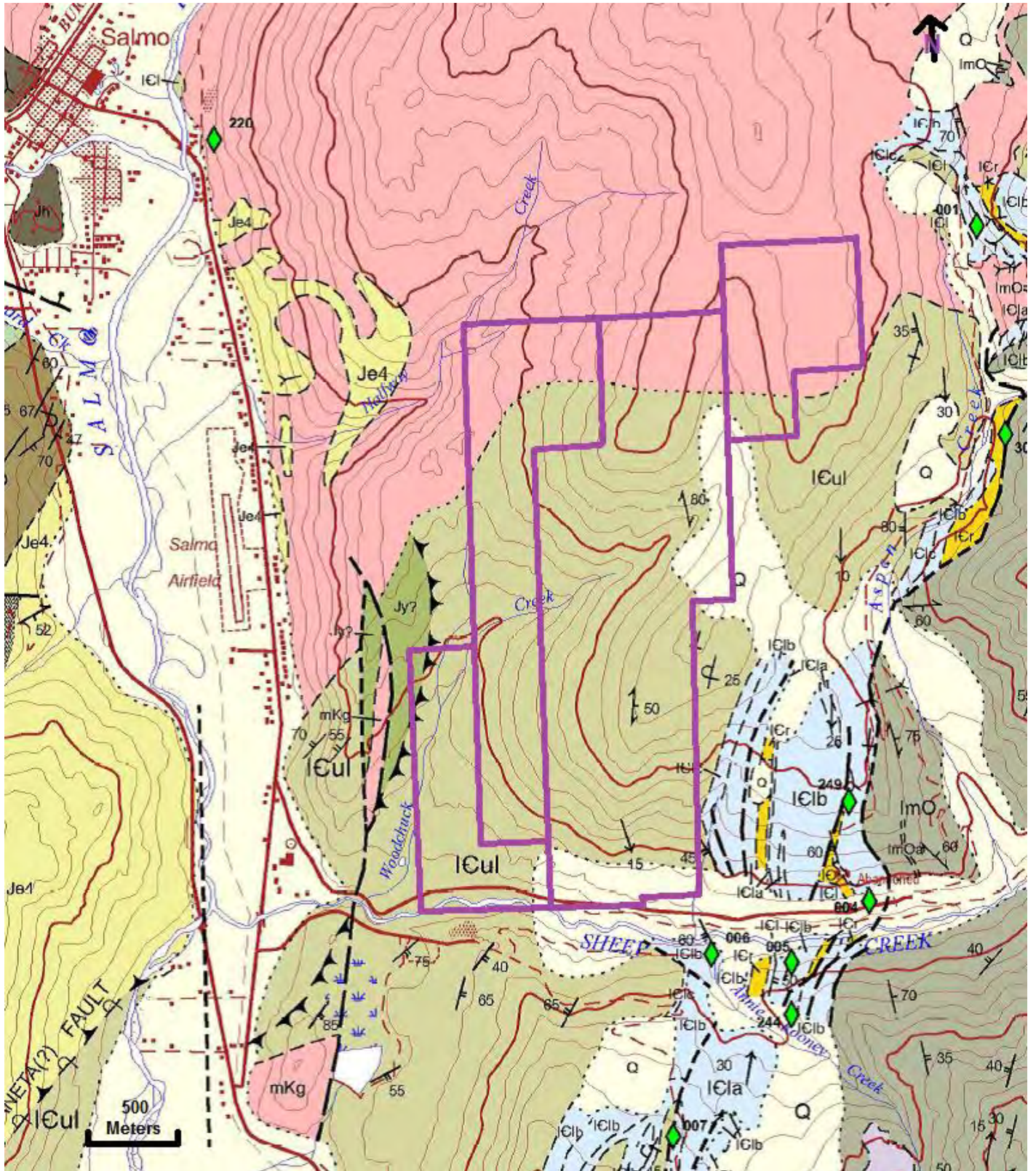


REGIONAL VIEW Scale 1:500,000



- | | |
|--|--|
|  Highways |  Secondary Gravel Roads |
|  Sheep Creek Access |  Water Features |
|  Mineral Tenures |  Lakes, Ponds |

Jocelyn Claim Map
 Scale 1:25,000




PROPERTY GEOLOGY Scale 1:33,000



Plate 1 & 2. Areas of Material Sampled For Graphite

Jocelyn Claim Statement of Costs 2012

Salaries

Prospecting & Sample Collection	(2 @ \$350/1 @ \$225/per day/2 days 2 @ \$350/per day/ 5 days)	\$5,450.00
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Rentals

Truck	(7 days @ \$100 per day)	\$700.00
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Assays		\$173.34
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TOTAL		\$6,223.34
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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: **Ross, Martin**
P.O. Box 323
Salmo BC V0G 1Z0 Canada

Submitted By: Martin Ross
Receiving Lab: Canada-Vancouver
Received: August 07, 2012
Report Date: September 04, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003674.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 8

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	8	Crush, split and pulverize 500 g rock to 200 mesh			VAN
G601	5	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
G6	5	Lead collection fire assay fusion - Grav finish	30	Completed	VAN
1DX3	5	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
4B03	1	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN
2A09	2	Ignite 600 Deg. C., HCl leach, residue by Leco	0.1	Completed	VAN

ADDITIONAL COMMENTS

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

Invoice To: Ross, Martin
P.O. Box 323
Salmo BC V0G 1Z0
Canada

CC:



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



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Project: None Given
 Report Date: September 04, 2012

Page: 2 of 2

Part: 1 of 4

CERTIFICATE OF ANALYSIS

VAN12003674.1

Method	WGHT	G6	G6Gr	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	50	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	
G1	Prep Blank	<0.01	<0.005	<50	<0.1	2.6	6.8	52	<0.1	3.9	4.3	562	1.90	<0.5	<0.5	4.6	58	<0.1	<0.1	<0.1	34
HCR1203	Rock	0.58	<0.005	<50	<0.1	36.7	19.2	42	<0.1	13.2	9.5	400	1.41	2.4	<0.5	2.0	31	0.2	<0.1	0.3	9
HCR1204	Rock	0.78	0.246	<50	0.5	163.1	11.6	53	0.7	45.1	61.9	398	5.03	0.9	222.6	7.7	82	<0.1	<0.1	1.1	28
HCR1205	Rock	0.42	0.174	<50	<0.1	59.1	23.6	19	0.2	11.6	4.8	286	3.72	1.3	43.1	12.2	19	<0.1	<0.1	0.2	11
HCR1206	Rock	0.95	5.274	<50	0.3	376.6	737.0	113	7.0	16.4	13.4	387	4.46	1.0	5600	5.7	114	0.6	<0.1	16.2	39
HCR1207	Rock	0.60	0.009	<50	3.8	30.2	8.6	84	<0.1	48.2	22.7	678	4.09	1.1	4.3	13.2	69	<0.1	<0.1	0.2	33
WC1208	Rock	0.94	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
WC1201	Rock	0.46	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
WC1202	Rock	0.32	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Page: 2 of 2

Part: 2 of 4

CERTIFICATE OF ANALYSIS **VAN12003674.1**

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	4B	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Ba
Unit		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.01	0.001	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	1
GI	Prep Blank	0.65	0.073	10	7	0.67	226	0.122	<1	0.91	0.064	0.44	<0.1	0.01	2.2	0.3	<0.05	5	<0.5	<0.2	N.A.
HCR1203	Rock	1.82	0.177	5	9	0.11	26	0.061	<1	0.77	0.003	<0.01	0.3	<0.01	1.4	<0.1	0.10	3	<0.5	<0.2	N.A.
HCR1204	Rock	0.79	0.062	9	34	0.97	57	0.127	1	1.88	0.039	0.17	0.4	<0.01	3.1	0.1	2.30	6	<0.5	1.0	N.A.
HCR1205	Rock	0.30	0.060	13	18	0.29	31	0.060	2	1.05	0.059	0.19	6.9	<0.01	1.4	<0.1	0.09	3	<0.5	<0.2	N.A.
HCR1206	Rock	0.79	0.057	4	28	0.86	142	0.087	1	2.69	0.223	0.93	1.6	0.01	4.7	0.4	0.44	8	<0.5	0.4	N.A.
HCR1207	Rock	0.53	0.069	13	78	1.39	46	0.026	<1	3.05	0.144	0.23	<0.1	<0.01	4.3	<0.1	0.60	9	<0.5	<0.2	N.A.
WC1208	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	508
WC1201	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
WC1202	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Page: 2 of 2

Part: 3 of 4

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Method	Analyte	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		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	0.3
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1203	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1204	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1205	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1206	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1207	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
WC1208	Rock	5	24.2	8.6	19.2	4.3	16.5	162.6	2	164.1	1.1	14.9	3.9	79	2.4	159.4	26.6	47.1	93.8	10.88	41.7
WC1201	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
WC1202	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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 Salmo BC V0G 1Z0 Canada

Project: None Given
 Report Date: September 04, 2012

Page: 2 of 2

Part: 4 of 4

CERTIFICATE OF ANALYSIS

VAN12003674.1

Method		4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	2A-C
Analyte		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	C/GRA
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1203	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1204	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1205	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1206	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
HCR1207	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
WC1208	Rock	6.93	1.21	5.70	0.85	4.81	1.00	2.72	0.41	2.82	0.40	N.A.
WC1201	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.07
WC1202	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.03



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Client: **Ross, Martin**
 P.O. Box 323
 Salmo BC V0G 1Z0 Canada

Project: None Given
 Report Date: September 04, 2012

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Part: 1 of 4

QUALITY CONTROL REPORT

VAN12003674.1

		WGHT	G6	G6Gr	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30		
		Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V		
		kg	ppm	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm		
		0.01	0.005	50	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		
STD SO-18 Expected																							
BLK	Blank		<0.005																				
BLK	Blank		<0.005																				
BLK	Blank			<50																			
BLK	Blank			<50																			
BLK	Blank		<0.005																				
BLK	Blank		0.006																				
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	<0.1	<2	
BLK	Blank				<0.1	1.6	1.4	1	<0.1	0.3	<0.1	2	0.01	<0.5	11.0	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<2	
BLK	Blank																						
BLK	Blank																						
Prep Wash																							
G1	Prep Blank	<0.01	<0.005	<50	<0.1	2.6	6.8	52	<0.1	3.9	4.3	562	1.90	<0.5	<0.5	4.6	58	<0.1	<0.1	<0.1	<0.1	34	

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QUALITY CONTROL REPORT

VAN12003674.1

		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	4B		
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Ba	
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
STD SO-18 Expected		0.01	0.001	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	1	
BLK	Blank																				514	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.01	<0.001	<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	<0.01	<0.001	<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																					
BLK	Blank																					<1
Prep Wash																						
G1	Prep Blank	0.65	0.073	10	7	0.67	226	0.122	<1	0.91	0.064	0.44	<0.1	0.01	2.2	0.3	<0.05	5	<0.5	<0.2	N.A.	

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Part: 3 of 4

QUALITY CONTROL REPORT

VAN12003674.1

		4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		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	0.3
STD SO-18 Expected		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	14
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<1	<0.2	<0.1	<0.5	<0.1	0.4	<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
Prep Wash																					
G1	Prep Blank	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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QUALITY CONTROL REPORT

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		4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	2A-C
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	C/GRA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02
STD SO-18 Expected		3	0.89	2.93	0.53	3	0.62	1.84	0.27	1.79	0.27	
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											<0.02
BLK	Blank	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	
Prep Wash												
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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