



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
www.alsglobal.com

To: EQUITY EXPLORATION CONSULTANTS LTD.  
1510-250 HOWE STREET  
VANCOUVER BC V6C 3R8

Page: 1  
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Plus Appendix Pages  
Finalized Date: 11-AUG-2015  
Account: EIASUM

**CERTIFICATE WH15116330**

Project: SUM15-01

P.O. No.: SUM-15-01\_5

This report is for 9 Rock samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2015.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL

THOMAS BRANSON

SUMAC MINES

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
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

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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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.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH15116330**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
Q930021		1.04	<0.005	0.2	1.07	3	<10	110	1.6	<2	0.59	<0.5	3	6	7	2.96
Q930022		0.84	<0.005	0.6	2.18	2	<10	550	1.6	3	1.43	0.6	12	15	23	5.37
Q930023		0.95	0.462	2.1	0.39	14	<10	30	0.5	9	0.68	1.2	9	20	2980	1.07
Q930024		1.32	0.056	2.3	0.87	12	<10	60	0.5	2	0.57	0.9	13	47	3990	2.05
Q930025		1.27	0.062	1.6	0.96	7	<10	50	0.7	3	0.58	1.1	10	37	2050	1.97
Q930026		1.27	0.025	1.6	0.96	18	<10	40	1.0	3	0.38	0.8	12	35	1630	2.33
Q930027		1.24	<0.005	0.2	1.32	2	<10	40	0.6	<2	0.99	<0.5	5	15	111	1.20
R203252		0.60	<0.005	<0.2	3.67	3	<10	190	2.5	<2	2.69	<0.5	7	38	36	1.93
R203253		0.58	<0.005	0.3	3.46	2	<10	110	1.4	<2	2.57	0.6	7	19	41	0.88



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**CERTIFICATE OF ANALYSIS WH15116330**

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		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
Q930021		10	<1	0.21	30	0.25	583	<1	0.07	2	720	33	0.02	<2	5
Q930022		10	<1	0.65	20	1.14	1195	586	0.20	6	1540	14	0.02	2	12
Q930023		<10	1	0.03	<10	0.43	249	5	0.01	40	2560	12	0.02	<2	1
Q930024		<10	<1	0.08	10	0.86	266	4	0.01	65	2070	4	0.02	<2	3
Q930025		<10	<1	0.05	10	0.95	401	1	0.01	48	1890	9	0.02	<2	2
Q930026		10	<1	0.08	10	0.69	456	2	0.01	38	1160	15	0.02	<2	2
Q930027		<10	<1	0.05	20	0.08	74	2	0.14	17	500	10	0.20	<2	1
R203252		10	<1	0.22	10	0.31	157	1	0.46	29	440	14	0.17	2	2
R203253		10	<1	0.09	20	0.09	88	2	0.30	38	890	30	0.14	<2	1



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
Q930021		<20	0.20	<10	<10	13	<10	157
Q930022		<20	0.35	<10	<10	62	<10	232
Q930023		<20	0.02	<10	10	62	<10	84
Q930024		<20	0.05	<10	<10	204	<10	71
Q930025		<20	0.05	<10	<10	130	<10	120
Q930026		<20	0.02	<10	<10	88	<10	121
Q930027		<20	0.08	<10	<10	7	<10	9
R203252		<20	0.19	<10	<10	26	<10	21
R203253		<20	0.13	<10	<10	17	<10	28



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**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	CRU-31	CRU-QC	LOG-21	PUL-32
	PUL-QC	SPL-21	WEI-21	
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA23	ME-ICP41		