



ALS USA Inc.
 4977 Energy Way
 Reno NV 89502
 Phone: 775 356 5395 Fax: 775 355 0179 www.alsglobal.com

To: MINE DEVELOPMENT ASSOCIATES
 210 S ROCK BLVD
 RENO NV 89502-2345

Page: 1
 Finalized Date: 28-SEP-2011
 Account: JTX

CERTIFICATE AC11180254

Project:
 P.O. No.:
 This report is for 5 Rock samples submitted to our lab in Anchorage, AK, USA on 8-SEP-2011.
 The following have access to data associated with this certificate:
 MICHAEL GUSTIN

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-21	Crush entire sample >70% -6 mm

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: MINE DEVELOPMENT ASSOCIATES
 ATTN: MICHAEL GUSTIN
 210 S ROCK BLVD
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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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Page: 2 - A
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CERTIFICATE OF ANALYSIS AC11180254

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP61 Ag ppm	ME-ICP61 Al %	ME-ICP61 As ppm	ME-ICP61 Ba ppm	ME-ICP61 Be ppm	ME-ICP61 Bi ppm	ME-ICP61 Ca %	ME-ICP61 Cd ppm	ME-ICP61 Co ppm	ME-ICP61 Cr ppm	ME-ICP61 Cu ppm	ME-ICP61 Fe %	ME-ICP61 Ga ppm
SUN-G-1		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
SUN-G-2		0.82	0.036	13.1	3.55	2850	1660	1.1	5	<0.01	2.6	18	31	3710	15.95	10
SUN-G-3		1.08	0.148	>100	0.24	2990	80	<0.5	75	<0.01	0.9	<1	3	4780	23.5	<10
SUN-12-106		1.01	0.013	1.0	6.34	21	560	1.8	3	0.13	<0.5	5	75	32	3.83	20
SUN-22-338		0.06	0.678	>100	0.14	7430	220	<0.5	147	0.01	228	300	3	>10000	30.8	<10
		0.12	0.129	>100	0.03	1140	20	<0.5	6	0.03	575	1	1	573	9.69	20



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Sample Description	Method	Analyte	Units	LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61			
					K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
					%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
					0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
SUN-G-1					1.63	10	0.46	463	14	0.06	<1	400	>10000	0.23	73	6	36	<20	0.05
SUN-G-2					0.12	10	0.01	13	7	0.01	<1	200	>10000	2.91	168	<1	3	<20	<0.01
SUN-G-3					1.66	10	0.98	322	3	0.38	13	720	888	0.02	9	13	56	<20	0.22
SUN-12-106					0.06	<10	0.02	72	15	0.01	17	20	>10000	>10.0	667	<1	2	<20	<0.01
SUN-22-338					<0.01	<10	0.01	72	13	<0.01	34	10	>10000	>10.0	169	<1	50	<20	<0.01

