



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

To: **SILVER RANGE RESOURCES LTD.**  
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**1016-510 W HASTINGS ST**  
**VANCOUVER BC V6B 1L8**

Page: 1  
Finalized Date: 31-JUL-2012  
Account: RANSIL

**CERTIFICATE WH12163460**

Project: Hammer-Keg

P.O. No.: Batch 14

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 12-JUL-2012.

The following have access to data associated with this certificate:

MATT DUMALA

JOAN MARIACHER

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-23	Pulp Login - Rcvd with Barcode

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Sn-XRF05	Sn-Trace Level XRF Analysis	XRF
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **SILVER RANGE RESOURCES LTD.**  
**ATTN: JOAN MARIACHER**  
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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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Page: 2 - A  
Total # Pages: 2 (A - D)  
Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH12163460**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA24 Au ppm	Sn-XRF05 Sn ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm
L845969		1.24	<0.005	18	>100	7.45	11.8	520	5.55	0.70	0.21	4.34	74.2	2.9	15	20.3
L845970		6.64	<0.005	10	0.47	7.41	3.2	590	5.49	0.71	1.02	0.32	82.0	2.0	14	9.34
L845971		1.47	<0.005	11	1.65	6.98	9.0	470	6.19	0.42	0.21	0.22	72.1	3.0	8	26.9
L845972		<0.02	<0.005	9	1.17	7.27	8.8	480	6.08	0.44	0.22	0.21	78.6	2.7	7	27.1
L845973		3.06	<0.005	11	0.50	7.45	0.8	440	5.80	1.25	0.97	0.12	60.4	1.7	11	12.35
L845974		3.98	<0.005	11	0.08	7.45	3.4	530	5.94	0.38	0.99	0.02	74.1	2.6	11	17.25
L845975		3.99	<0.005	10	0.08	7.12	10.1	520	5.51	0.26	0.91	0.02	72.5	2.7	8	18.40
L845976		4.05	<0.005	15	0.17	9.62	0.4	630	9.24	0.65	1.30	0.04	84.5	1.9	9	15.15
L845977		2.50	<0.005	5	0.40	7.45	3.2	500	5.57	0.66	0.76	0.07	72.7	2.4	9	21.7
L845978		1.94	0.008	6	0.36	7.17	80.3	400	4.73	0.44	0.30	0.03	84.9	3.5	10	42.2
L845979		0.24	0.096	26	63.6	5.25	2840	620	0.75	4.40	7.27	132.0	29.0	12.8	46	2.95
L845980		1.01	<0.005	7	0.11	7.15	1.5	580	4.67	0.38	1.02	0.06	78.9	2.2	10	7.77
L845981		6.17	<0.005	7	0.09	7.03	0.4	590	4.87	0.52	0.67	0.06	79.9	2.4	10	9.27
L845982		6.09	<0.005	9	0.21	7.25	0.5	610	4.64	0.40	0.78	0.04	80.2	3.4	11	8.07
L845983		1.10	<0.005	11	0.19	7.25	1.7	550	5.73	0.69	0.55	0.06	76.8	2.5	9	16.40
L845984		4.52	<0.005	9	0.34	7.26	5.1	540	5.83	1.59	1.18	0.06	72.3	2.3	10	21.9
L845985		4.53	<0.005	<5	0.01	0.10	<5	20	0.10	0.02	21.6	0.05	1.40	1.3	1	0.45
L845986		6.75	<0.005	6	0.11	7.32	1.1	590	5.05	0.65	1.11	0.04	79.6	2.2	13	11.80
L845987		6.47	<0.005	9	0.10	7.45	2.4	540	5.45	0.63	1.10	0.03	71.3	2.1	13	14.15
L845988		4.61	<0.005	8	0.14	7.40	4.0	530	5.17	0.71	1.20	0.03	71.2	2.2	12	15.85
L845989		0.04	NSS	659	>100	0.24	>10000	160	0.06	0.13	0.01	248	3.53	0.5	13	0.34
L845990		1.23	<0.005	<5	2.22	7.68	30.3	560	5.55	0.74	1.11	0.21	73.7	2.2	13	12.20
L845991		1.88	<0.005	8	0.39	7.43	4.5	580	5.37	0.56	1.09	0.05	76.0	2.3	16	11.25
L845992		3.22	<0.005	8	0.40	7.57	4.2	570	5.65	1.01	0.84	0.09	85.3	3.0	15	15.70
L845993		3.79	<0.005	8	0.22	7.23	1.8	580	5.01	0.68	1.05	0.05	77.9	2.3	13	8.98
L845994		3.03	<0.005	7	0.31	7.44	3.0	560	5.39	0.52	1.08	0.06	81.9	2.6	12	17.95
L845995		2.00	<0.005	6	0.16	7.33	1.3	580	5.20	0.77	0.98	0.04	80.0	2.6	13	6.59
L845996		6.56	<0.005	8	0.19	7.27	0.6	580	5.22	0.78	1.16	0.05	76.6	2.5	21	9.01
L845997		3.13	<0.005	8	0.15	7.37	0.8	590	5.41	0.64	1.19	0.07	78.6	2.6	13	9.04
L845998		4.50	<0.005	8	0.12	6.75	1.8	500	5.62	0.46	1.63	0.03	64.8	2.9	12	21.7
L845999		4.65	<0.005	8	0.14	7.22	0.9	570	5.60	0.58	1.14	0.06	73.0	2.4	13	17.85
L846000		3.38	<0.005	8	0.15	6.80	0.9	550	5.57	0.49	1.65	0.08	60.4	2.2	11	21.0
L840001		3.05	<0.005	6	0.14	7.17	8.1	460	4.83	0.30	0.66	0.08	66.8	3.1	13	23.5
L840002		2.15	<0.005	<5	0.01	0.07	<5	10	0.06	0.03	20.2	0.05	1.35	1.2	1	0.22
L840003		2.33	<0.005	10	1.18	7.15	36.4	310	4.75	0.43	0.66	0.28	77.1	3.4	13	21.4
L840004		1.91	0.167	19	3.46	4.15	3710	100	3.35	0.27	0.45	1.10	43.0	7.3	14	12.90



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Project: Hammer-Keg

**CERTIFICATE OF ANALYSIS WH12163460**

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
L845969		100.0	1.38	26.4	0.14	2.3	0.033	4.29	35.0	189.0	0.19	3260	0.56	0.33	9.9	2.1
L845970		0.3	1.23	25.9	0.17	2.4	0.034	3.80	40.5	47.3	0.30	347	0.33	2.14	10.1	2.1
L845971		2.1	2.16	24.8	0.16	2.1	0.029	3.89	34.4	171.5	0.19	5600	0.69	0.17	9.7	2.0
L845972		1.4	2.18	25.4	0.15	2.2	0.030	4.09	38.8	160.0	0.20	5700	0.70	0.21	9.8	1.8
L845973		3.8	1.09	24.4	0.16	1.9	0.031	3.95	29.4	38.2	0.21	400	0.45	2.30	11.1	2.1
L845974		2.3	1.20	26.3	0.17	1.9	0.034	3.80	35.2	77.3	0.27	252	0.27	1.98	11.7	2.6
L845975		0.4	1.20	23.7	0.18	1.9	0.027	3.81	35.4	98.6	0.27	362	0.24	1.62	12.2	2.2
L845976		3.0	1.35	33.0	0.20	3.1	0.025	5.34	37.9	72.9	0.46	308	0.18	2.99	12.9	2.2
L845977		<0.2	1.36	25.2	0.16	2.2	0.033	3.95	35.0	233	0.33	791	0.34	0.64	11.7	2.4
L845978		1.3	1.05	23.9	0.15	2.3	0.028	3.37	40.9	235	0.22	662	0.30	0.07	9.3	2.9
L845979		1090	3.95	11.30	0.16	1.4	0.081	1.44	14.6	15.9	0.71	2950	5.52	1.30	4.5	25.4
L845980		1.3	1.22	23.5	0.18	1.9	0.027	3.70	38.8	68.7	0.33	215	0.35	2.19	10.5	2.2
L845981		<0.2	1.31	24.5	0.18	2.2	0.034	3.63	38.8	63.1	0.41	217	0.44	1.73	10.1	2.2
L845982		0.6	1.38	24.3	0.17	2.3	0.035	3.69	39.1	64.9	0.51	276	0.32	1.24	12.2	2.9
L845983		1.6	1.18	25.6	0.17	2.0	0.036	3.82	37.2	82.5	0.31	235	0.32	0.98	10.1	2.4
L845984		2.2	1.50	24.9	0.19	2.2	0.032	4.37	34.0	149.5	0.29	1340	1.15	0.95	10.8	2.9
L845985		1.9	0.49	0.53	0.27	<0.1	<0.005	0.05	0.7	1.6	12.90	218	0.12	0.01	0.4	2.6
L845986		0.3	1.36	25.4	0.26	2.4	0.032	3.79	38.4	52.7	0.34	278	0.39	2.08	10.8	2.5
L845987		1.1	1.20	24.1	0.23	2.1	0.032	3.73	34.9	73.1	0.35	448	0.40	1.83	11.1	2.1
L845988		0.4	1.30	24.9	0.22	2.0	0.034	3.91	35.4	83.1	0.31	458	0.34	1.62	11.5	2.3
L845989		3680	12.40	1.98	0.11	0.1	0.139	0.13	2.1	6.0	0.01	40	1.15	0.01	0.5	2.6
L845990		3.8	1.38	25.6	0.14	2.0	0.030	3.85	36.6	61.9	0.33	280	0.34	2.12	10.4	2.4
L845991		3.1	1.28	24.9	0.18	2.1	0.033	3.62	37.5	64.9	0.32	253	0.41	2.12	10.8	5.4
L845992		5.3	1.69	25.2	0.18	2.3	0.035	4.19	41.9	58.4	0.32	1300	0.49	1.19	11.4	3.9
L845993		<0.2	1.30	24.5	0.18	2.2	0.032	3.79	37.7	47.9	0.35	248	0.35	1.96	10.3	2.4
L845994		1.2	1.41	23.7	0.18	2.3	0.033	4.40	39.5	47.6	0.26	949	0.34	0.79	10.3	2.5
L845995		3.5	1.42	24.3	0.18	2.2	0.033	3.68	39.1	69.6	0.38	251	0.37	2.15	10.8	2.7
L845996		1.8	1.38	24.3	0.17	2.2	0.035	3.60	37.1	64.3	0.36	254	0.35	1.94	10.8	2.7
L845997		1.6	1.37	24.4	0.18	2.2	0.035	3.68	38.5	66.4	0.36	248	0.34	1.96	11.1	2.8
L845998		2.3	1.49	23.1	0.17	2.0	0.031	3.44	30.2	60.6	0.31	471	0.30	1.32	10.3	2.9
L845999		0.5	1.18	23.4	0.17	2.1	0.031	3.80	34.7	86.7	0.27	319	0.41	1.33	12.0	2.6
L846000		3.6	1.17	22.5	0.18	2.0	0.031	3.86	27.4	153.5	0.24	474	0.39	0.89	10.6	2.4
L840001		4.4	1.23	24.1	0.14	1.7	0.035	3.65	32.0	470	0.24	916	0.32	0.12	10.3	3.5
L840002		1.7	0.45	0.46	0.28	<0.1	<0.005	0.03	0.6	1.8	12.05	205	0.14	0.01	0.3	2.5
L840003		6.9	1.79	24.2	0.26	1.7	0.035	3.22	37.3	450	0.35	2640	0.40	0.07	11.1	3.5
L840004		4.1	2.10	15.90	0.10	1.0	0.021	1.88	21.3	72.4	0.29	15450	0.25	0.03	6.7	1.9



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**CERTIFICATE OF ANALYSIS WH12163460**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.2	% 0.005
L845969		580	725	322	<0.002	0.14	21.5	4.2	1	8.6	94.2	0.97	<0.05	19.2	0.170
L845970		530	53.8	245	<0.002	<0.01	1.28	4.7	1	6.4	202	0.89	<0.05	19.7	0.183
L845971		490	59.8	318	<0.002	<0.01	4.41	4.6	1	9.1	197.0	0.95	<0.05	18.4	0.173
L845972		520	59.9	326	<0.002	<0.01	4.24	4.7	1	9.3	196.5	0.96	<0.05	19.7	0.181
L845973		690	61.9	305	<0.002	0.01	0.50	3.6	1	9.1	151.0	1.52	<0.05	15.0	0.143
L845974		540	43.3	275	<0.002	0.02	0.43	4.7	1	8.7	166.0	1.22	<0.05	18.9	0.166
L845975		530	42.1	265	<0.002	0.05	1.03	3.8	1	7.7	145.5	1.21	<0.05	18.5	0.163
L845976		580	53.3	353	<0.002	0.01	0.19	6.5	1	12.2	212	1.29	<0.05	22.2	0.197
L845977		510	47.8	292	<0.002	0.09	1.88	4.6	1	6.3	111.5	1.06	<0.05	19.2	0.185
L845978		460	45.1	253	<0.002	0.15	4.39	4.2	1	6.2	55.5	0.91	<0.05	20.5	0.184
L845979		690	>10000	64.6	0.002	2.97	53.1	8.4	4	2.9	449	0.33	0.18	4.7	0.214
L845980		500	52.3	255	<0.002	0.01	0.10	4.2	1	6.0	193.0	1.08	<0.05	19.9	0.166
L845981		480	45.5	229	<0.002	0.01	0.23	4.7	1	6.8	164.0	0.97	<0.05	20.2	0.184
L845982		570	43.9	234	<0.002	0.01	0.32	4.5	1	7.1	154.5	1.22	<0.05	20.1	0.185
L845983		550	50.2	269	<0.002	0.08	2.94	4.9	1	7.8	116.0	1.06	<0.05	19.3	0.169
L845984		500	52.2	292	<0.002	0.29	2.14	4.3	1	8.3	139.5	1.16	<0.05	18.4	0.169
L845985		190	2.2	3.1	<0.002	0.02	0.07	0.3	1	<0.2	44.0	<0.05	<0.05	0.2	<0.005
L845986		480	46.4	246	<0.002	0.01	0.43	4.4	1	6.5	190.0	1.03	<0.05	20.1	0.177
L845987		490	43.9	258	<0.002	0.02	0.94	4.2	1	6.9	167.5	1.16	<0.05	18.0	0.162
L845988		480	44.1	264	<0.002	0.07	0.85	4.5	1	6.7	158.0	1.02	<0.05	17.8	0.173
L845989		50	>10000	9.6	0.003	>10.0	3420	0.5	5	142.0	7.6	<0.05	<0.05	0.6	0.011
L845990		760	118.5	256	<0.002	0.03	2.95	4.8	1	7.2	186.5	0.95	<0.05	18.4	0.164
L845991		480	54.8	236	<0.002	0.02	0.63	4.5	1	6.4	195.5	1.04	<0.05	18.8	0.175
L845992		500	64.1	290	<0.002	0.19	2.52	4.9	1	7.9	151.0	1.08	<0.05	20.4	0.190
L845993		490	46.0	249	<0.002	0.01	0.34	4.7	1	6.5	179.5	0.99	<0.05	19.0	0.178
L845994		500	47.3	311	<0.002	0.18	2.59	4.4	1	6.4	131.0	1.10	<0.05	20.7	0.185
L845995		490	43.7	234	<0.002	0.01	0.26	4.6	1	6.1	199.5	0.98	<0.05	19.8	0.185
L845996		490	48.5	215	<0.002	0.01	0.20	4.7	1	6.4	194.5	0.99	<0.05	18.8	0.185
L845997		490	47.0	220	<0.002	<0.01	0.14	4.7	1	6.5	197.5	1.03	<0.05	19.2	0.189
L845998		420	42.2	212	<0.002	0.02	0.73	4.5	1	6.0	176.0	0.96	<0.05	16.4	0.183
L845999		490	45.7	242	<0.002	0.01	0.53	4.3	1	7.3	168.5	1.17	<0.05	18.2	0.194
L846000		490	45.0	237	<0.002	0.01	1.11	4.0	1	6.6	151.0	1.07	<0.05	15.3	0.178
L840001		540	44.8	265	<0.002	0.11	3.31	4.5	1	9.1	76.9	1.14	<0.05	17.1	0.180
L840002		150	1.6	1.8	<0.002	0.01	<0.05	0.3	1	<0.2	41.4	<0.05	<0.05	<0.2	<0.005
L840003		470	52.8	276	<0.002	0.53	8.33	4.7	1	12.5	49.7	1.30	<0.05	18.3	0.191
L840004		310	35.5	193.5	<0.002	0.41	63.9	2.7	1	18.9	9.6	1.03	<0.05	10.7	0.102



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

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 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

Page: 2 - D  
 Total # Pages: 2 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 31-JUL-2012  
 Account: RANSIL

Project: Hammer-Keg

**CERTIFICATE OF ANALYSIS WH12163460**

Sample Description	Method Analyte Units LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
L845969		13.0	21	1.7	8.1	3890	77.4	426		
L845970		6.7	21	0.8	9.2	515	81.0			
L845971		8.1	19	1.7	8.4	454	71.5			
L845972		8.3	20	1.7	9.0	479	75.5			
L845973		9.0	16	0.9	7.9	89	64.7			
L845974		8.7	17	1.4	8.3	42	67.4			
L845975		7.8	16	1.7	8.1	46	64.2			
L845976		10.4	24	2.9	10.5	49	109.5			
L845977		8.4	20	1.7	8.9	71	81.2			
L845978		6.9	21	8.4	7.9	52	81.4			
L845979		2.2	66	8.8	12.9	>10000	44.2		1.925	1.985
L845980		7.4	18	0.6	8.0	52	67.1			
L845981		6.6	19	1.4	8.1	52	81.5			
L845982		7.4	20	2.3	9.1	49	82.7			
L845983		9.1	19	1.2	8.8	64	67.4			
L845984		7.1	18	1.6	8.8	85	75.5			
L845985		1.9	3	0.1	0.9	16	0.6			
L845986		7.1	19	0.8	8.6	55	85.6			
L845987		8.0	17	1.3	8.2	80	74.5			
L845988		8.7	18	1.1	8.4	51	71.5			
L845989		0.6	7	136.5	0.8	>10000	3.7	NSS	NSS	NSS
L845990		8.3	19	1.2	8.7	76	73.7			
L845991		10.1	19	1.3	8.4	53	76.8			
L845992		8.6	21	1.5	9.4	194	84.8			
L845993		8.2	20	0.9	8.7	52	81.5			
L845994		7.2	21	1.2	9.2	107	83.9			
L845995		8.1	20	1.8	8.7	51	82.0			
L845996		7.0	21	1.5	8.7	53	79.0			
L845997		6.9	22	1.3	8.8	55	80.6			
L845998		8.0	21	3.0	8.3	52	74.0			
L845999		7.4	22	2.3	8.7	57	81.2			
L846000		5.0	20	2.7	8.4	53	77.8			
L840001		9.0	21	7.0	8.0	54	65.3			
L840002		0.6	2	0.1	0.8	14	0.5			
L840003		8.1	23	8.8	8.5	179	63.6			
L840004		5.4	13	1.2	5.6	644	35.3			



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Page: Appendix 1  
Total # Appendix Pages: 1  
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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.