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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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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: 27-AUG-2012

Account: RANSIL

CERTIFICATE WH12177491

Project: KEG (Group 5)

P.O. No.:

This report is for 68 Rock samples submitted to our lab in Whitehorse, YT, Canada on 31-JUL-2012.

The following have access to data associated with this certificate:

MATT DUMALA

JOAN MARIACHER

HEATHER SMITH

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
Aq-OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
W-XRF05	Trace Level W XRF Analysis	XRF
Pb-VOL70	Pb by Titration	
Sn-XRF05	Sn-Trace Level XRF Analysis	XRF

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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: 3 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH12177491

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA24 Au ppm	Au-GRA22 Au 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
		0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
L840602		0.47	0.005		4.01	4.02	1925	220	3.96	1.14	0.10	0.26	86.0	0.6	8	19.65
L840603		2.21	0.134		>100	2.00	8010	80	2.78	0.47	0.13	1.17	21.1	1.2	6	8.87
L840604		0.45	0.008		3.66	7.28	1105	120	4.55	0.37	0.09	0.49	96.2	1.7	10	25.5
L840605		0.83	<0.005		1.87	7.91	678	340	6.87	0.20	0.12	3.53	78.7	6.2	6	19.50
L840606		0.24	0.062		46.3	2.01	9310	150	5.27	12.50	0.05	46.9	13.50	3.6	6	17.55
L840607		0.24	0.064		78.2	4.24	>10000	360	3.18	0.32	0.08	31.6	18.15	7.4	5	12.70
L840608		1.03	<0.005		2.86	9.18	320	370	6.98	0.17	0.41	6.94	56.5	7.8	4	22.2
L840609		0.69	0.006		43.2	8.30	685	310	6.67	0.13	0.20	6.93	52.4	5.6	5	20.3
L840610		1.18	0.136		>100	3.91	3420	100	4.30	0.40	0.05	2.39	24.5	1.8	7	9.86
L840611		1.33	0.029		>100	4.43	2450	80	4.16	0.34	0.09	2.46	20.8	0.9	6	12.25
L840612		1.83	0.019		15.25	5.80	1350	80	3.70	1.83	0.08	2.41	81.5	0.7	10	14.20
L840613		2.32	0.042		54.9	6.42	3440	130	5.11	20.3	0.21	7.50	34.7	2.5	4	22.4
L840614		0.60	0.179		>100	1.82	8550	40	2.36	0.39	1.52	22.6	17.10	2.8	12	7.41
L840615		0.39	0.401		>100	1.35	2760	250	1.60	0.20	0.06	15.40	15.30	1.0	20	8.28
L840616		0.66	0.090		69.7	1.26	988	60	1.32	6.08	0.23	37.4	16.65	4.3	14	4.45
L840617		1.01	0.142		>100	0.20	1260	30	0.32	0.07	0.11	47.8	3.32	0.2	9	2.61
L840618		1.06	0.367		>100	0.28	679	20	0.56	0.15	0.10	42.6	3.67	0.4	21	5.82
L840619		0.68	>10.0	23.4	>100	0.99	>10000	30	0.84	0.04	0.02	5.70	25.3	1.9	27	12.95
L840620		0.54	0.115		>100	0.18	213	50	0.31	0.07	0.03	58.4	2.37	0.4	11	2.42
L840621		1.21	0.126		>100	0.19	797	40	0.35	0.07	0.05	61.2	3.58	0.4	12	1.95
L840622		0.57	0.164		>100	1.10	1770	70	2.09	0.65	0.06	8.30	14.15	0.4	48	7.51
L840623		0.88	0.373		>100	1.07	2670	80	2.15	1.34	0.04	14.60	9.10	0.4	31	8.98
L840624		0.53	0.009		39.9	2.36	178.0	30	1.49	0.85	3.55	4.68	12.75	4.7	22	6.59
L840625		0.78	0.025		29.8	4.42	242	160	2.61	1.20	0.04	0.27	37.8	1.5	17	13.75
L840626		0.57	0.005		32.1	1.45	41.9	80	1.30	40.8	0.03	<0.02	19.45	0.6	6	1.61
L840627		0.61	<0.005		5.83	6.15	10.6	130	3.95	3.63	0.02	0.51	34.7	0.4	10	6.07
L840628		0.44	0.005		8.37	3.48	28.1	120	1.68	9.40	0.04	<0.02	35.3	0.5	7	5.08
L840629		1.92	<0.005		3.93	5.48	19.3	250	3.16	4.60	0.05	0.23	56.4	0.5	8	6.65
L840630		1.94	<0.005		13.05	4.53	17.4	110	1.99	14.40	0.03	<0.02	35.3	0.6	10	3.30
L840631		3.10	<0.005		5.54	5.81	23.1	270	3.70	7.05	0.03	0.21	51.6	0.6	10	6.44
L840632		0.36	<0.005		10.20	3.99	38.9	70	1.85	15.55	0.02	<0.02	32.7	0.6	6	2.10
L840633		1.09	<0.005		15.00	3.06	76.8	70	2.77	2.28	0.06	60.7	28.6	3.3	11	12.10
L840634		2.71	<0.005		4.85	3.65	34.7	100	2.57	6.35	0.05	0.50	32.9	0.5	17	11.55
L840635		4.14	0.230		1.11	5.02	2520	110	3.64	0.50	0.07	4.04	52.2	1.0	14	16.55
M676433		1.09	<0.005		3.23	1.48	8.1	20	1.24	3.85	0.02	0.24	13.70	0.3	21	2.82
M676434		0.80	<0.005		1.56	2.98	11.1	140	4.43	0.75	0.02	<0.02	29.9	0.2	13	20.7
M676435		1.17	<0.005		1.27	2.08	16.9	120	5.35	1.86	0.04	0.03	21.1	0.2	20	24.7
M676436		0.91	0.105		0.56	2.53	1520	80	1.92	0.18	0.01	0.18	39.0	0.2	16	5.56
M676437		1.16	0.037		4.62	3.13	3830	90	6.07	0.48	0.08	12.70	34.5	2.5	18	11.05
M676438		4.01	0.078		72.5	2.81	>10000	60	2.25	0.60	0.06	1.76	20.1	1.2	8	9.70



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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	ME-MS61
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
L840602		9.9	2.93	13.55	0.17	1.7	0.029	1.79	43.8	103.0	0.15	192	0.41	0.04	9.5	1.9
L840603		127.5	13.00	6.35	0.17	0.4	0.008	0.86	12.2	79.0	0.11	1510	0.83	0.02	1.9	1.7
L840604		26.5	4.91	23.0	0.19	1.6	0.023	3.18	49.7	37.0	0.24	927	0.62	0.04	8.0	2.2
L840605		43.7	3.73	22.8	0.19	1.7	0.034	3.72	37.6	270	0.25	6870	0.81	0.07	9.0	2.9
L840606		148.0	5.90	7.80	<0.05	0.3	0.914	0.87	7.2	66.0	0.08	622	0.57	0.02	1.9	1.3
L840607		65.2	5.35	10.80	0.06	1.2	0.089	1.86	8.2	55.4	0.15	3870	0.61	0.02	3.8	1.6
L840608		8.3	4.10	19.35	0.13	2.9	0.058	3.62	26.5	118.0	0.29	5420	0.99	0.06	8.7	5.4
L840609		33.2	4.36	17.30	0.24	2.7	0.095	3.51	24.3	113.0	0.26	4140	1.08	0.03	7.6	3.1
L840610		79.3	4.68	10.80	0.08	1.1	0.029	1.66	14.3	68.0	0.13	1060	0.72	0.02	3.3	1.7
L840611		47.8	3.53	12.10	0.06	1.5	0.049	1.87	12.5	59.9	0.15	560	0.74	0.02	3.9	1.2
L840612		13.9	2.68	17.75	0.18	1.7	0.123	2.39	43.8	40.1	0.17	322	0.42	0.02	6.9	1.6
L840613		41.5	5.25	16.45	0.13	2.0	0.436	2.67	23.8	113.5	0.25	3630	1.18	0.02	6.1	1.7
L840614		74.0	2.97	11.25	<0.05	0.4	0.023	0.72	9.5	77.8	0.20	40200	0.29	0.01	2.5	2.9
L840615		233	1.71	7.35	<0.05	0.2	0.023	0.53	9.5	182.0	0.05	17950	0.45	0.02	1.6	1.7
L840616		202	2.68	8.80	<0.05	0.3	0.067	0.49	9.1	135.0	0.09	33100	0.39	0.01	1.6	2.3
L840617		331	3.62	9.00	<0.05	<0.1	<0.005	0.03	3.9	166.5	0.01	59600	0.14	0.01	0.1	1.1
L840618		320	3.06	7.28	<0.05	<0.1	<0.005	0.05	3.5	157.0	0.02	46800	0.38	0.01	0.1	1.9
L840619		359	3.78	9.65	<0.05	0.1	0.072	0.32	14.5	141.5	0.03	3390	8.84	0.02	0.3	2.8
L840620		394	2.74	4.86	<0.05	<0.1	<0.005	0.02	4.0	134.0	<0.01	25600	0.29	0.01	0.1	1.7
L840621		518	2.95	5.45	<0.05	<0.1	<0.005	0.03	4.2	137.0	0.01	31900	0.21	0.01	0.1	1.6
L840622		462	2.71	4.24	<0.05	0.2	0.028	0.42	7.6	147.5	0.04	935	0.76	0.01	0.9	2.1
L840623		1615	2.74	4.66	<0.05	0.1	0.010	0.42	4.9	113.5	0.04	778	0.87	0.02	0.5	1.6
L840624		126.0	3.42	11.45	<0.05	0.1	0.026	1.04	6.7	123.5	0.66	15000	0.45	0.01	0.7	5.4
L840625		40.3	1.45	17.15	0.08	0.9	0.019	2.35	18.7	88.6	0.19	867	0.56	0.03	6.2	2.1
L840626		370	28.0	7.01	0.33	0.3	10.85	0.26	10.2	25.8	0.02	175	0.55	0.01	2.7	1.4
L840627		160.0	7.72	22.0	0.08	1.6	7.35	1.83	17.3	116.5	0.12	145	0.98	0.03	9.1	1.2
L840628		344	18.70	12.75	0.26	0.9	13.30	0.96	17.0	31.9	0.05	171	0.51	0.02	5.1	1.6
L840629		177.5	10.55	19.80	0.16	1.5	7.71	1.76	28.0	43.3	0.10	204	0.60	0.05	7.9	1.2
L840630		243	12.85	20.9	0.13	1.1	15.00	0.72	16.4	52.6	0.04	181	0.47	0.02	7.0	1.5
L840631		148.0	5.53	21.3	0.11	1.5	10.75	2.14	25.2	73.2	0.12	204	2.06	0.07	11.7	1.4
L840632		176.5	9.84	16.65	0.09	0.8	5.29	0.40	15.6	83.6	0.03	125	1.99	0.01	5.4	1.1
L840633		226	3.22	11.15	<0.05	0.7	6.79	1.16	13.8	50.9	0.11	798	0.23	0.02	4.2	1.4
L840634		29.0	1.25	12.55	0.05	0.9	0.122	1.50	16.9	38.6	0.14	201	0.27	0.02	4.9	1.4
L840635		15.4	1.45	17.95	0.12	1.4	0.073	1.99	26.8	67.6	0.20	445	0.93	0.03	6.8	1.3
M676433		39.3	1.33	4.99	<0.05	0.3	2.42	0.50	6.8	28.6	0.04	80	2.37	0.01	1.1	1.7
M676434		68.6	1.36	9.70	<0.05	0.8	1.075	1.02	16.0	165.0	0.07	91	1.04	0.04	5.3	1.0
M676435		26.0	0.86	6.91	<0.05	0.5	0.894	0.78	10.1	133.5	0.05	82	1.20	0.03	3.3	1.4
M676436		130.5	0.62	8.81	<0.05	0.8	0.649	1.06	19.1	191.0	0.07	91	0.17	0.03	3.3	1.0
M676437		32.9	3.21	11.30	0.07	0.7	0.157	1.49	18.1	98.1	0.14	1240	0.56	0.03	3.4	2.3
M676438		102.5	8.77	8.33	0.10	0.6	0.031	1.17	11.2	59.3	0.10	1200	1.05	0.02	3.0	1.2



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		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		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	ppm 0.02
L840602		500	1930	219	<0.002	0.53	21.1	2.8	<1	11.0	92.2	0.90	<0.05	21.3	0.159	5.45
L840603		230	>10000	126.5	<0.002	0.94	263	1.7	1	129.5	28.4	0.11	<0.05	6.6	0.041	12.00
L840604		470	913	385	<0.002	0.39	14.25	4.7	<1	31.4	77.7	0.81	<0.05	26.3	0.171	12.15
L840605		690	469	439	<0.002	0.12	8.36	7.1	1	15.6	62.9	1.03	<0.05	20.5	0.199	6.99
L840606		150	>10000	140.0	<0.002	4.05	82.2	1.1	2	28.0	20.7	0.29	0.05	2.9	0.021	4.94
L840607		270	>10000	225	<0.002	1.78	173.5	5.7	2	87.9	14.1	0.25	<0.05	3.7	0.167	5.30
L840608		870	986	449	<0.002	0.04	6.16	15.3	1	4.8	18.1	0.58	<0.05	8.1	0.371	7.93
L840609		750	9070	394	<0.002	0.09	38.3	13.3	2	25.2	18.5	0.52	<0.05	7.8	0.329	8.25
L840610		340	>10000	214	<0.002	1.01	305	4.6	1	189.0	15.8	0.24	<0.05	6.2	0.122	4.00
L840611		440	>10000	239	<0.002	0.45	172.0	5.0	1	96.3	17.1	0.28	<0.05	6.3	0.151	4.61
L840612		280	3880	289	<0.002	0.13	23.5	4.6	1	36.5	23.3	0.46	<0.05	18.3	0.186	7.53
L840613		580	>10000	375	<0.002	0.16	64.9	10.0	3	22.5	25.5	0.39	0.10	6.6	0.269	12.85
L840614		150	1800	88.6	<0.002	1.73	168.0	1.1	1	37.2	27.1	0.29	<0.05	3.1	0.034	1.78
L840615		80	>10000	64.7	<0.002	1.31	>10000	0.8	1	118.5	10.8	0.15	<0.05	2.7	0.030	1.10
L840616		60	3430	52.1	<0.002	1.65	2180	0.7	3	82.8	6.5	0.15	0.06	2.9	0.022	1.08
L840617		30	>10000	3.1	<0.002	2.10	>10000	0.2	2	290	5.2	<0.05	<0.05	<0.2	<0.005	0.39
L840618		20	>10000	7.2	<0.002	2.23	>10000	0.3	3	259	5.4	<0.05	<0.05	0.4	<0.005	0.63
L840619		30	1590	42.2	0.013	1.99	1200	0.4	3	184.5	7.7	<0.05	<0.05	1.1	0.007	0.78
L840620		20	>10000	2.4	<0.002	3.58	>10000	0.2	4	373	3.8	<0.05	<0.05	<0.2	<0.005	0.54
L840621		20	>10000	3.8	<0.002	3.43	>10000	0.2	3	439	4.1	<0.05	<0.05	0.3	<0.005	0.45
L840622		920	>10000	50.7	<0.002	0.58	4400	0.8	1	95.4	10.1	0.07	0.31	2.4	0.019	1.16
L840623		870	>10000	52.7	<0.002	0.86	5940	0.6	7	181.5	11.8	<0.05	0.30	3.2	0.012	1.33
L840624		50	2770	137.0	<0.002	1.25	106.5	3.1	1	29.1	38.5	<0.05	0.07	0.8	0.022	1.63
L840625		150	266	254	<0.002	0.55	83.7	2.7	<1	13.5	19.0	0.50	0.05	8.1	0.112	3.12
L840626		630	423	33.7	<0.002	0.19	16.85	1.0	5	>500	139.5	0.18	0.08	6.2	0.040	0.60
L840627		500	571	237	<0.002	0.09	16.35	4.3	<1	120.0	10.8	0.84	0.05	14.0	0.167	4.67
L840628		670	314	118.0	<0.002	0.14	14.95	2.5	1	395	166.5	0.41	<0.05	12.0	0.098	2.21
L840629		740	381	210	<0.002	0.09	10.35	3.7	<1	175.5	210	0.69	<0.05	17.6	0.144	3.73
L840630		430	196.5	91.2	<0.002	0.11	7.18	2.7	1	460	148.5	0.69	<0.05	12.9	0.122	1.51
L840631		450	805	281	<0.002	0.12	16.50	4.3	1	222	91.3	1.49	0.06	15.8	0.141	4.54
L840632		380	227	50.1	<0.002	0.07	5.65	1.9	1	>500	108.0	0.43	0.08	9.0	0.101	0.64
L840633		250	>10000	170.0	<0.002	2.07	22.9	1.8	3	36.5	12.6	0.39	0.06	7.0	0.059	2.82
L840634		280	666	205	<0.002	0.12	6.58	2.1	<1	28.5	17.8	0.48	<0.05	8.6	0.067	2.70
L840635		350	167.0	280	<0.002	0.17	49.4	2.9	<1	13.5	28.0	0.64	<0.05	12.7	0.093	3.58
M676433		130	1000	62.2	<0.002	0.05	6.68	0.6	<1	19.2	3.9	0.16	<0.05	4.1	0.017	1.20
M676434		170	326	144.0	<0.002	0.16	8.11	2.0	<1	130.0	23.1	0.50	<0.05	8.5	0.070	2.39
M676435		100	183.0	122.5	<0.002	0.17	9.89	1.3	<1	28.0	18.6	0.33	<0.05	5.2	0.057	2.62
M676436		80	38.3	150.5	<0.002	0.11	35.3	1.2	<1	34.7	15.2	0.40	<0.05	7.3	0.033	1.21
M676437		350	1250	218	<0.002	0.24	33.1	2.2	<1	15.9	31.8	0.31	<0.05	10.0	0.063	4.89
M676438		190	>10000	167.5	<0.002	0.92	152.5	2.3	1	73.8	23.2	0.25	<0.05	5.4	0.082	9.07



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CERTIFICATE OF ANALYSIS WH12177491

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	Ag-GRA21 Ag ppm 5	W-XRF05 W ppm 10	Pb-VOL70 Pb % 0.01	Sn-XRF05 Sn ppm 5
L840602		5.6	15	10.7	3.1	169	62.5							
L840603		6.2	9	7.3	4.3	3030	14.5	153	4.28					
L840604		9.7	23	7.6	4.0	882	64.9							
L840605		7.0	38	5.7	9.2	1550	62.9							
L840606		5.5	4	2.6	1.5	>10000	8.5			1.350	1.510			
L840607		4.2	43	8.4	7.6	>10000	44.2			1.660	1.205			
L840608		4.1	91	6.3	20.2	2950	104.5							
L840609		9.2	80	8.5	17.0	2530	96.1							
L840610		12.4	24	4.7	5.5	2200	41.9	775	6.78					
L840611		11.0	30	6.4	5.3	1500	52.0	275	3.85					
L840612		7.4	25	8.3	3.8	776	65.9							
L840613		20.7	66	16.8	14.2	2160	70.9			1.275				
L840614		3.8	4	0.6	4.5	9420	13.6	163						
L840615		1.3	5	0.7	1.7	6650	6.3	>1500	1.540		1535			
L840616		3.6	3	0.5	2.8	>10000	12.7			1.615				
L840617		0.4	<1	0.2	1.9	>10000	7.4	>1500	2.46	2.05	2580			
L840618		3.0	<1	25.0	2.0	>10000	1.3	>1500	3.45	2.20	2390			
L840619		1.0	42	940	0.7	4050	2.3	284				1160		
L840620		2.1	<1	2.3	1.3	>10000	0.8	>1500	3.75	3.31	1995			
L840621		2.1	<1	2.1	1.6	>10000	0.9	>1500	3.66	2.92	2310			
L840622		21.5	4	0.8	1.3	880	6.9	>1500	1.425		3270			
L840623		25.0	3	1.0	0.9	959	3.5	>1500	2.17		6210			
L840624		1.2	19	0.5	4.8	3040	4.5							
L840625		2.2	15	1.6	2.3	156	31.4							
L840626		4.6	7	8.3	2.4	1520	12.6							>10000
L840627		4.7	26	8.8	3.6	581	55.9							
L840628		8.2	15	8.0	3.8	965	33.9							
L840629		5.9	28	5.7	5.5	646	56.4							
L840630		4.0	17	9.5	3.8	779	41.1							
L840631		8.7	23	8.8	5.6	422	48.4							
L840632		4.2	10	10.6	3.3	575	28.9							1660
L840633		4.1	8	4.8	4.2	>10000	24.4		1.005	1.400				
L840634		3.8	10	2.2	4.4	249	31.0							
L840635		7.0	13	2.6	8.2	253	45.6							
M676433		2.0	3	0.9	1.0	232	8.7							
M676434		1.8	16	7.6	2.2	143	23.3							
M676435		1.1	7	3.1	1.6	28	15.4							
M676436		12.4	2	1.3	2.0	19	20.6							
M676437		5.8	11	5.6	4.8	1990	21.5							
M676438		4.0	21	6.1	3.9	1790	18.8			1.620				



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CERTIFICATE OF ANALYSIS WH12177491

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA24 Au ppm	Au-GRA22 Au 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
M676439		2.32	<0.005		2.08	8.56	213	500	6.60	0.09	0.10	5.35	62.5	7.5	4	21.0
M676440		1.26	0.133		>100	2.70	1850	210	2.23	0.28	0.03	15.55	15.75	2.0	5	6.27
M676441		1.04	0.336		75.5	1.05	>10000	20	2.31	0.15	6.04	4.18	19.60	1.9	6	3.49
M676442		0.94	0.007		>100	1.73	69.9	140	0.98	399	0.03	4.12	8.31	1.8	21	2.74
M676443		1.15	<0.005		44.3	2.10	35.9	100	0.83	78.0	0.03	2.64	13.10	1.4	22	2.90
M676444		0.71	<0.005		>100	0.21	1285	50	0.34	1.95	0.16	55.8	3.23	0.8	6	2.49
M676445		0.63	0.018		17.75	3.79	244	730	2.65	0.65	0.04	0.62	49.7	3.4	20	9.73
M676446		0.93	0.030		>100	2.06	447	190	2.77	0.54	0.03	0.80	24.4	0.3	24	12.10
M676447		1.05	0.093		4.37	3.33	1340	260	2.43	0.65	0.02	0.04	21.7	0.4	30	11.10
M676448		0.92	0.173		12.80	3.06	2220	170	2.42	0.49	0.02	0.23	27.2	0.5	30	12.95
M676449		0.76	0.027		3.55	4.10	10.6	80	1.71	61.9	0.06	0.15	8.60	1.2	12	4.35
M676450		0.96	0.009		13.90	2.70	40.0	160	3.99	2.70	0.03	2.25	19.75	0.5	12	17.90
M676451		1.48	0.031		21.7	2.49	1035	440	2.83	6.30	0.02	9.39	31.6	0.7	12	22.7
M676452		1.28	0.045		75.0	2.14	1350	490	2.44	37.3	0.02	4.69	23.6	1.2	8	15.00
M676453		1.28	0.396		2.16	1.39	1905	90	1.02	0.47	0.01	2.14	20.0	0.5	20	3.92
M676454		1.11	0.007		31.3	1.89	114.5	90	0.95	40.5	0.01	0.36	13.80	0.4	13	3.43
M676455		1.40	0.006		15.00	2.34	126.5	110	1.38	23.7	0.01	1.43	19.10	0.6	4	2.84
M676456		2.08	<0.005		3.91	3.04	34.3	80	2.94	2.45	0.02	0.38	25.1	0.4	10	14.95
M676457		0.92	<0.005		9.77	0.89	2.8	20	0.50	16.05	0.01	0.02	8.08	0.2	14	1.29
M676458		3.97	<0.005		31.2	3.01	46.6	110	4.46	2.19	0.04	98.6	29.5	2.4	13	10.15
M676459		0.86	<0.005		7.89	5.07	20.9	240	5.11	1.73	0.06	11.45	46.7	1.1	9	13.45
M676460		1.02	0.045		>100	2.01	51.1	70	4.76	1.72	0.03	113.5	17.25	3.1	11	12.10
M676461		2.37	0.008		>100	1.88	46.1	60	2.12	0.82	0.02	230	16.45	6.1	7	6.81
M676462		1.78	0.606		6.92	2.75	4980	110	4.29	0.21	0.02	4.60	23.6	1.0	13	9.93
M676463		1.03	1.605		83.4	3.00	>10000	120	4.26	4.34	0.03	32.7	26.7	7.3	10	10.30
M676464		1.45	0.397		11.20	5.04	5080	90	4.25	2.09	0.02	19.80	45.6	1.8	10	17.85
M676465		1.88	0.012		>100	2.74	747	50	2.22	291	0.03	1.71	21.5	0.9	14	6.83
M676466		1.65	0.014		11.80	2.75	384	160	1.82	22.2	0.03	9.98	23.4	1.5	12	5.81



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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
M676439		29.2	4.99	19.40	0.12	2.3	0.059	2.78	27.6	730	0.19	2860	1.01	0.03	10.7	2.5
M676440		89.8	3.92	7.16	0.05	0.9	<0.005	1.16	7.8	45.1	0.09	1620	0.39	0.01	2.2	1.0
M676441		63.4	3.57	14.90	<0.05	0.2	0.039	0.43	9.9	58.4	0.67	87700	0.23	0.01	1.0	1.5
M676442		2210	2.10	10.30	0.08	0.2	1.655	0.74	4.1	36.3	0.09	272	1.08	0.03	1.0	1.5
M676443		4020	2.42	9.41	0.05	0.4	0.420	1.13	6.9	32.0	0.09	320	0.47	0.01	1.8	1.5
M676444		559	3.92	10.05	<0.05	<0.1	<0.005	0.09	4.7	134.5	0.03	68000	0.12	0.01	0.1	1.5
M676445		18.2	3.77	12.55	0.11	0.7	0.067	1.89	27.0	212	0.11	319	0.43	0.04	4.4	5.2
M676446		14.0	0.94	8.76	<0.05	0.4	0.021	0.87	12.9	146.0	0.08	1000	0.66	0.03	2.0	1.3
M676447		10.5	1.01	11.80	<0.05	0.4	0.016	1.95	10.5	150.0	0.11	76	4.53	0.03	2.9	1.5
M676448		21.6	0.84	11.95	<0.05	0.6	0.027	1.47	13.0	134.0	0.13	130	1.32	0.02	3.4	1.4
M676449		5.9	1.24	23.6	<0.05	0.1	0.019	1.57	2.5	36.1	0.38	313	0.26	0.16	0.3	1.7
M676450		180.0	1.05	9.68	<0.05	0.6	0.252	1.03	10.2	134.5	0.10	128	0.21	0.05	3.1	1.1
M676451		492	2.01	9.45	<0.05	1.0	1.720	1.15	15.2	83.9	0.07	117	0.90	0.03	4.9	1.2
M676452		1155	3.65	7.61	0.05	0.7	4.62	1.06	12.2	86.9	0.07	134	1.11	0.03	4.3	1.1
M676453		80.1	1.44	6.03	<0.05	0.5	1.675	0.68	10.5	82.6	0.04	108	0.41	0.02	2.1	1.6
M676454		227	0.96	10.05	0.06	0.2	2.89	0.92	6.4	19.5	0.05	55	3.07	0.02	1.7	1.0
M676455		423	28.8	9.05	0.48	0.4	5.93	0.63	8.5	15.9	0.03	186	1.05	0.01	4.0	1.0
M676456		23.5	2.21	11.00	0.08	0.7	0.845	1.16	12.4	91.3	0.08	156	0.57	0.02	5.1	1.0
M676457		9.0	0.61	3.29	0.05	0.1	0.172	0.41	3.6	17.3	0.03	61	2.74	0.01	1.2	1.4
M676458		387	4.01	13.10	0.13	0.6	9.69	1.22	14.3	115.5	0.11	590	0.81	0.03	4.0	1.6
M676459		322	2.77	19.05	0.12	1.1	3.49	2.42	23.9	126.0	0.16	550	1.30	0.06	6.6	1.6
M676460		346	2.22	8.34	0.10	0.4	4.72	0.87	9.7	112.0	0.07	523	0.37	0.02	3.4	1.2
M676461		692	2.58	8.71	0.08	0.3	4.29	0.84	7.8	73.8	0.06	758	0.43	0.03	2.7	1.2
M676462		57.2	2.89	12.00	0.09	0.4	0.867	1.23	11.3	96.7	0.12	197	0.62	0.03	3.5	1.5
M676463		1230	4.43	11.45	0.13	0.6	1.285	1.42	12.6	84.6	0.12	271	0.39	0.03	4.4	2.7
M676464		496	3.48	21.2	0.12	1.2	1.200	2.05	23.6	68.4	0.16	253	0.64	0.03	7.5	1.6
M676465		134.5	1.26	11.00	0.09	0.4	4.34	1.25	11.3	32.7	0.11	140	1.35	0.02	3.2	2.0
M676466		83.8	0.85	9.58	0.09	0.5	0.562	1.61	10.8	33.3	0.07	208	0.33	0.04	3.0	1.1



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Sample Description	Method Analyte Units LOR	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Ti ppm 0.02
M676439		770	1660	350	<0.002	0.08	5.82	15.3	1	6.5	49.6	0.71	<0.05	11.4	0.357	5.98
M676440		250	>10000	142.5	<0.002	5.00	963	3.4	1	297	69.9	0.15	<0.05	2.3	0.101	2.75
M676441		70	1720	57.5	<0.002	1.50	218	0.8	<1	5.2	45.2	0.09	<0.05	2.0	0.017	1.12
M676442		60	>10000	73.3	<0.002	0.45	7.15	0.8	26	4.8	6.6	0.12	2.82	2.2	0.022	0.93
M676443		100	7660	109.5	<0.002	0.71	15.25	1.1	15	6.4	8.7	0.18	0.69	3.1	0.034	1.39
M676444		20	>10000	7.7	<0.002	3.88	>10000	0.3	4	207	3.0	<0.05	<0.05	0.2	<0.005	1.86
M676445		260	188.0	163.0	<0.002	1.81	119.0	2.5	<1	5.9	36.1	0.36	<0.05	12.4	0.084	3.02
M676446		100	1030	104.0	<0.002	0.30	664	1.3	<1	6.8	29.0	0.17	<0.05	5.7	0.040	0.79
M676447		130	49.3	194.5	<0.002	0.34	50.4	1.8	<1	3.3	30.1	0.27	<0.05	5.2	0.050	1.77
M676448		100	110.5	169.5	<0.002	0.19	110.5	2.0	<1	5.0	27.0	0.32	<0.05	6.0	0.065	1.75
M676449		150	89.9	146.5	<0.002	0.02	8.49	7.4	<1	7.1	21.1	<0.05	0.42	1.5	0.092	0.97
M676450		160	4120	141.0	<0.002	0.45	45.7	1.4	<1	22.5	28.8	0.40	<0.05	4.9	0.050	5.11
M676451		120	7880	158.0	<0.002	1.06	79.2	1.5	<1	87.6	26.1	0.60	<0.05	7.3	0.057	5.77
M676452		140	>10000	139.5	<0.002	2.46	152.0	1.3	1	200	25.6	0.54	0.12	4.7	0.053	10.85
M676453		180	575	78.0	<0.002	0.55	45.4	0.7	<1	27.0	34.2	0.32	<0.05	6.0	0.024	4.42
M676454		350	2340	95.9	<0.002	0.30	13.60	0.6	2	13.8	19.6	0.30	0.34	6.5	0.021	2.91
M676455		390	490	71.9	<0.002	0.20	6.43	1.5	2	154.5	174.5	0.40	<0.05	6.8	0.053	1.84
M676456		190	389	156.0	<0.002	0.07	12.35	2.1	1	87.4	8.0	0.60	<0.05	5.8	0.077	3.22
M676457		40	115.5	48.8	<0.002	0.01	2.11	0.4	2	7.0	3.4	0.13	0.11	3.4	0.014	0.56
M676458		180	>10000	184.0	<0.002	2.35	36.1	1.9	3	101.5	15.8	0.44	<0.05	6.8	0.058	2.60
M676459		330	3550	304	<0.002	0.35	11.30	3.1	1	49.8	31.7	0.68	<0.05	12.1	0.100	3.92
M676460		140	>10000	123.5	<0.002	3.50	150.0	1.2	4	63.9	12.7	0.32	0.16	5.5	0.049	2.20
M676461		110	>10000	105.0	<0.002	8.37	414	1.0	6	165.0	8.8	0.26	<0.05	4.6	0.043	2.06
M676462		140	927	202	<0.002	0.41	37.7	1.7	1	24.2	13.8	0.37	<0.05	4.9	0.048	2.41
M676463		140	>10000	209	<0.002	3.59	200	1.8	3	32.6	17.7	0.56	0.12	6.9	0.060	4.04
M676464		310	4060	290	<0.002	0.99	51.6	3.1	1	35.6	11.5	0.85	<0.05	11.2	0.099	6.30
M676465		110	3820	144.0	<0.002	0.04	9.30	1.5	5	10.1	5.9	0.37	1.28	4.8	0.047	1.83
M676466		200	1425	159.5	<0.002	0.14	4.09	1.5	2	7.9	22.9	0.50	0.09	6.4	0.046	1.76



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To: SILVER RANGE RESOURCES LTD.
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Project: KEG (Group 5)

CERTIFICATE OF ANALYSIS WH12177491

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	Ag-GRA21 Ag ppm 5	W-XRF05 W ppm 10	Pb-VOL70 Pb % 0.01	Sn-XRF05 Sn ppm 5
M676439		5.9	93	15.7	16.6	2100	67.3							
M676440		3.5	22	3.5	4.5	8810	29.2	>1500	>20.0		1620		26.36	
M676441		2.5	1	0.4	8.3	2690	7.4							
M676442		1.5	12	0.3	1.3	1400	7.1	152	1.065					
M676443		2.9	7	0.5	1.0	1100	12.8							
M676444		0.3	<1	0.2	1.9	>10000	1.5	>1500	5.88	3.23	7350			
M676445		6.0	16	1.3	3.8	597	25.1							
M676446		1.6	7	1.2	1.4	408	13.4	140						
M676447		3.4	9	1.0	1.6	16	15.9							
M676448		2.1	10	1.4	1.8	119	21.2							
M676449		2.3	30	3.4	1.0	94	3.5							
M676450		1.6	7	1.7	1.3	815	19.2							
M676451		2.3	5	3.5	2.1	998	27.1							
M676452		1.2	6	3.9	1.9	1340	21.9		2.66					
M676453		4.0	2	1.7	1.2	560	15.2							
M676454		4.3	5	1.0	0.7	82	7.7							
M676455		4.5	10	11.1	2.3	1400	17.9							
M676456		2.1	10	8.0	2.1	310	27.3							
M676457		0.6	3	0.6	0.6	15	7.2							
M676458		4.0	7	3.8	3.2	>10000	23.6		1.770	2.61				
M676459		8.4	11	5.4	5.2	3400	42.0							
M676460		9.8	6	2.6	2.5	>10000	17.0	178	10.90	3.26				
M676461		1.9	5	1.7	1.7	>10000	14.9	367	>20.0	6.37			29.27	
M676462		2.8	10	2.7	2.6	1000	17.2							
M676463		2.3	8	2.5	1.9	8310	24.9		4.66					
M676464		3.1	13	4.9	3.2	4250	48.1							
M676465		9.0	12	0.9	1.9	302	19.3	101						
M676466		2.3	7	2.0	2.6	1470	21.3							



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Method	CERTIFICATE COMMENTS
ME-MS61	REE's may not be totally soluble in this method.